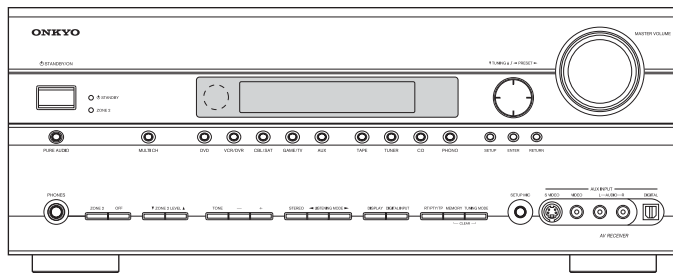


ONKYO SERVICE MANUAL

AV RECEIVER MODEL TX-SR705 MODEL TX-SA705



RC-693M


TX-SR705 Black, Golden and Silver models

| | |
|------------------------|----------------------|
| B MDC, S MDC, G MDT | 120V AC, 60Hz |
| B MMP, MMA, S MMP, MMA | 220-240V AC, 50Hz |
| B MMO, S MMO | 220-240V AC, 50/60Hz |
| G MMQ, MMK, MMT | 220-240V AC, 50/60Hz |

TX-SA705 Golden models

| | |
|-------|----------------------|
| G MMR | 220-240V AC, 50/60Hz |
|-------|----------------------|

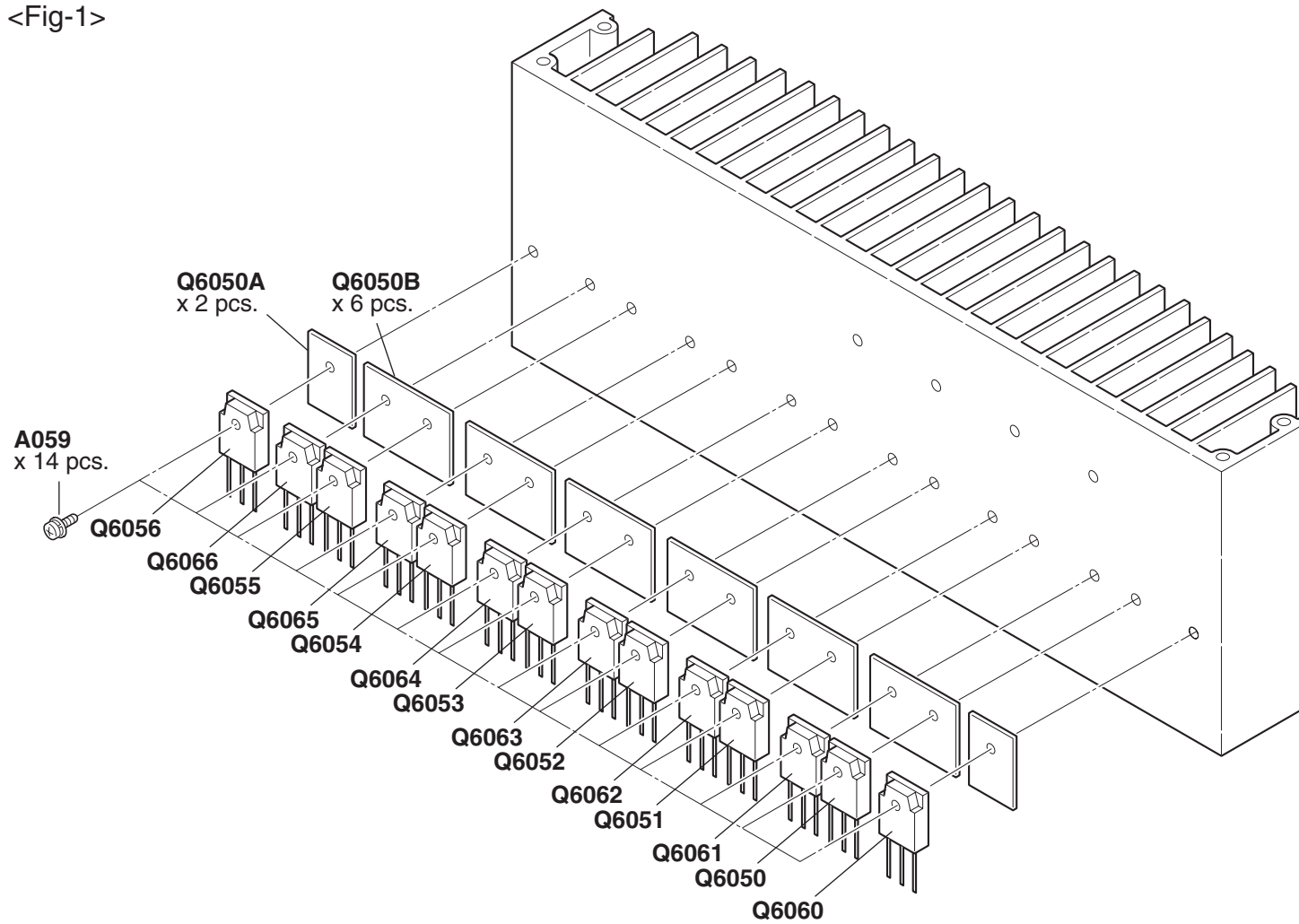
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

EXPLODED VIEWS-2

<Fig-1>



A B C D

BLOCK DIAGRAMS-1

AUDIO SECTION

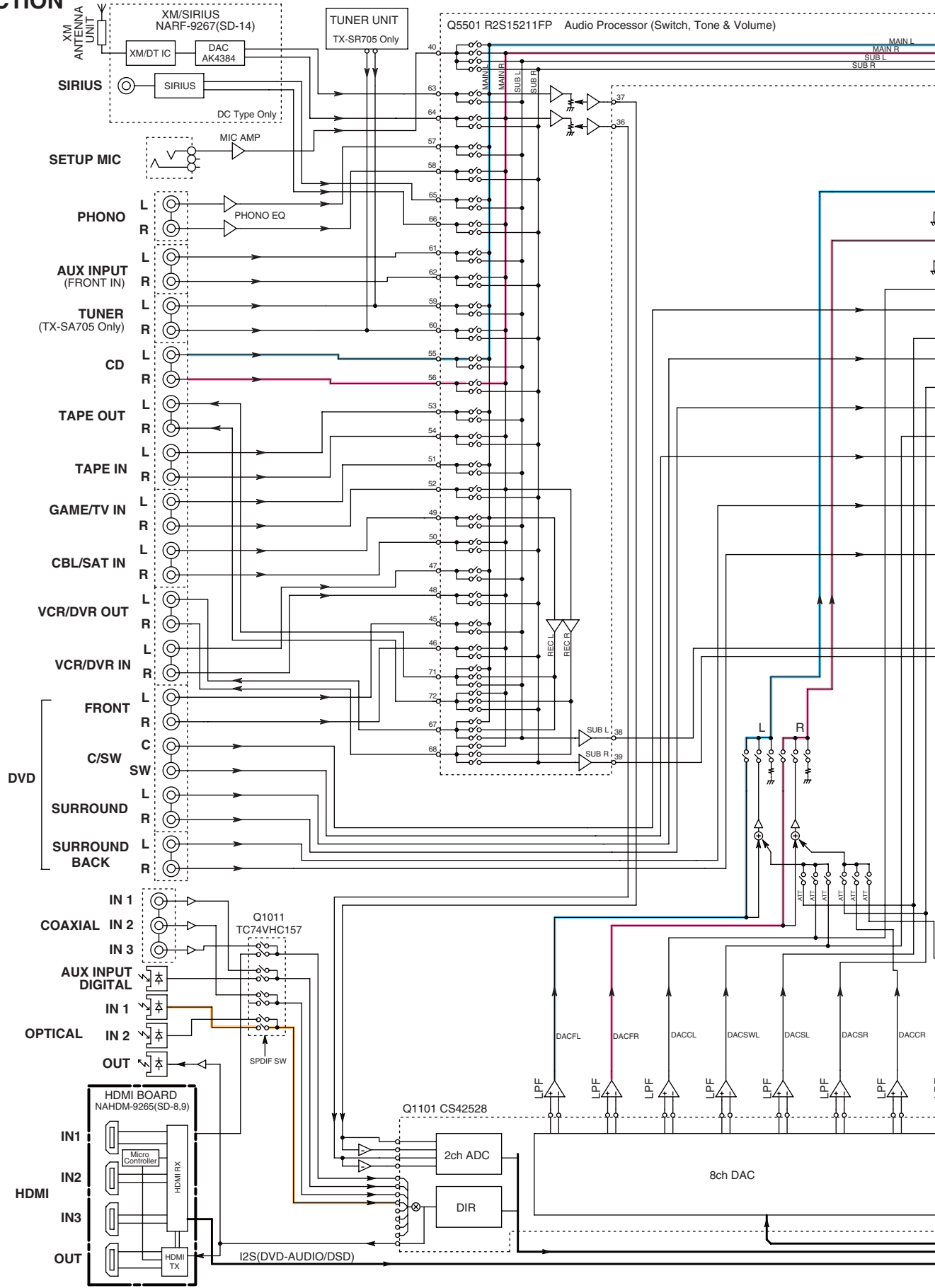
1

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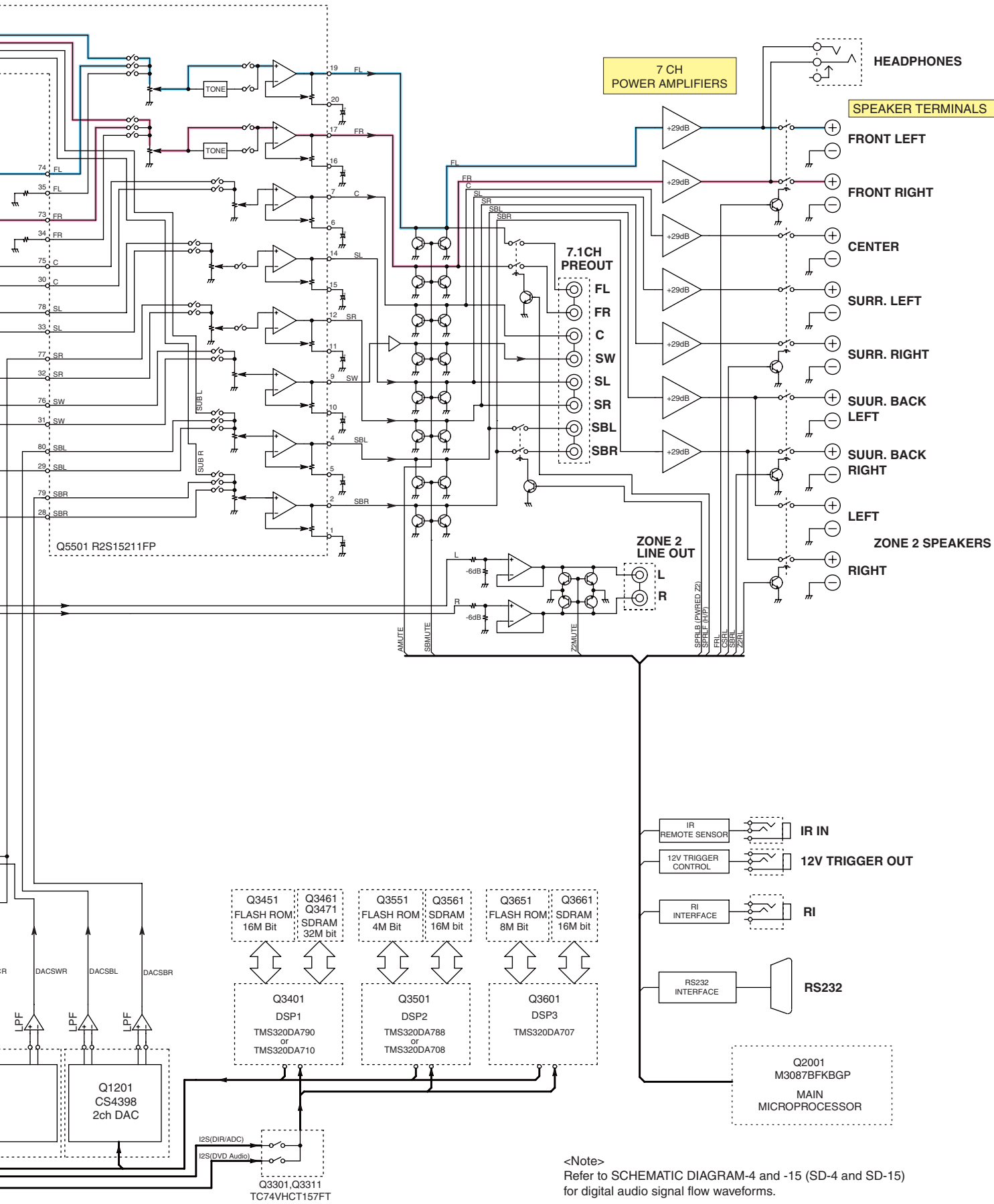


E

F

G

H



<Note>
Refer to SCHEMATIC DIAGRAM-4 and -15 (SD-4 and SD-15) for digital audio signal flow waveforms.

BLOCK DIAGRAMS-2
VIDEO AND HDMI SECTION

<Note>
Refer to SCHEMATIC DIAGRAM-8, -10 and -15 (SD-8, SD-10 and SD-15)
for video and HDMI signal waveforms.

VIDEO AND SP TERMINAL BOARD
NAVD-9270(SD-10)

COMPONENT VIDEO INPUT

- IN 1: Y1, CB1, CR1
- IN 2: Y2, CB2, CR2
- IN 3: Y3, CB3, CR3

COMPOSITE VIDEO INPUT

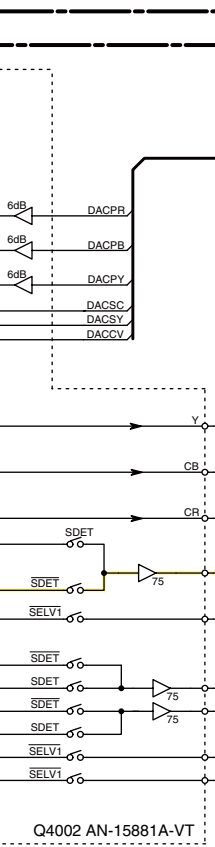
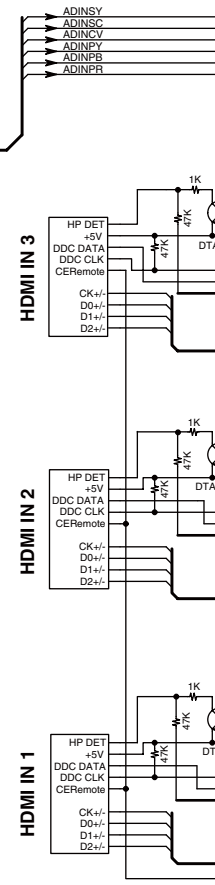
- DVD
- VCR/DVR
- CBL/SAT
- GAME/TV
- AUX INPUT (FRONT)

S VIDEO INPUT

- DVD
- VCR/DVR
- CBL/SAT
- GAME/TV
- AUX INPUT (FRONT)

Q4002 AN-15881A-VT
Video Amp & Switch

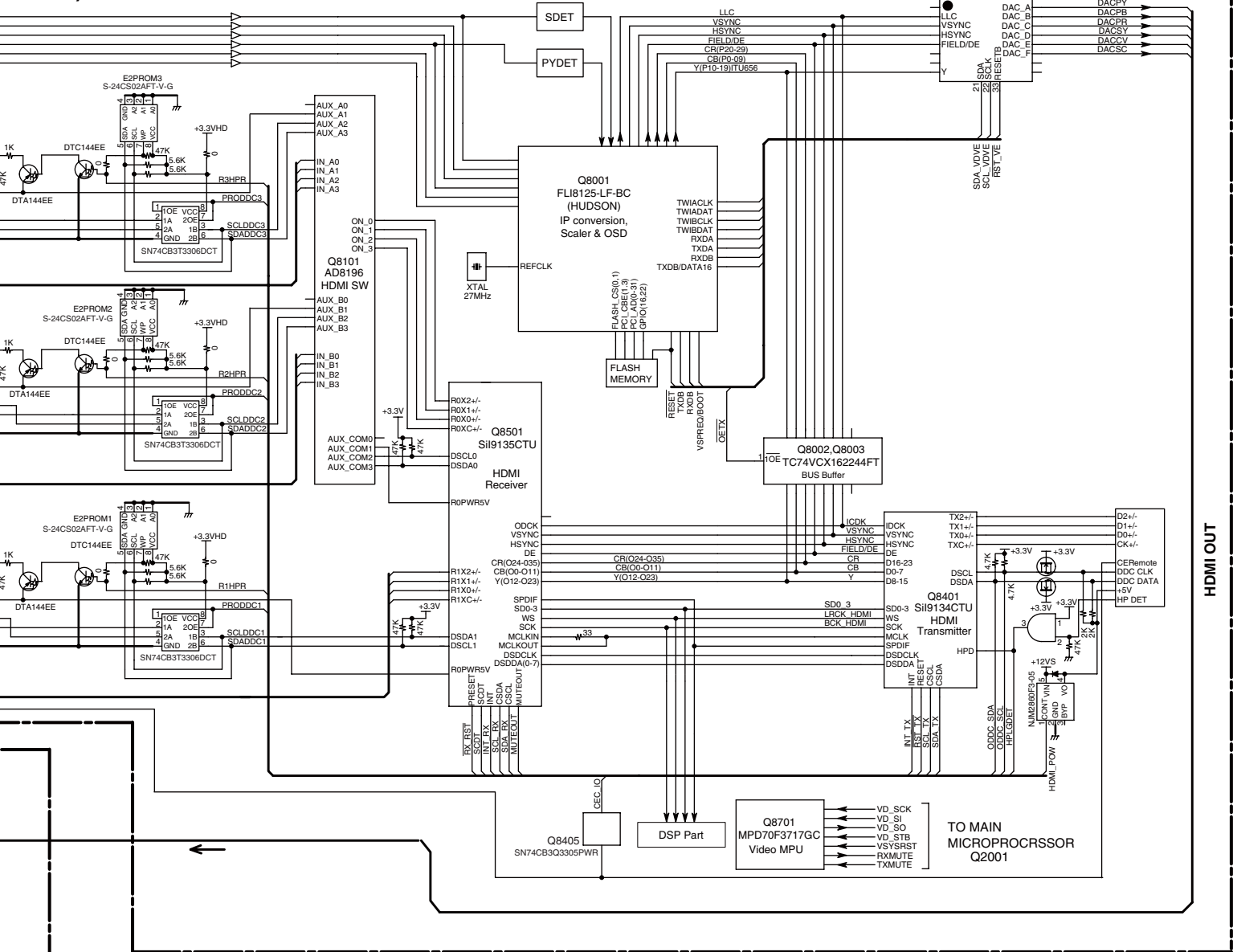
DSP AND HDMI I/O
NAHDM-9265(SD-10)



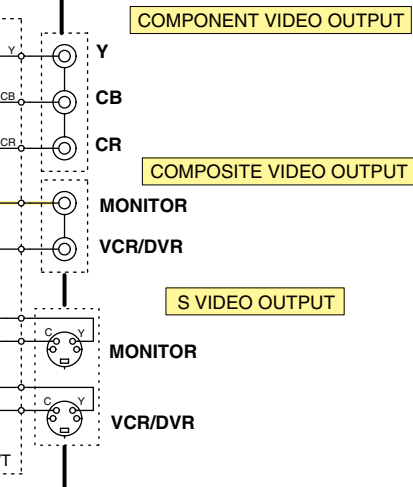
Q4002 AN-15881A-VT

1
2
3
4
5

MI BOARD
(SD-8&9)



HDMI OUT



COMPONENT VIDEO OUTPUT

COMPOSITE VIDEO OUTPUT

S VIDEO OUTPUT

MONITOR

VCR/DVR

MONITOR

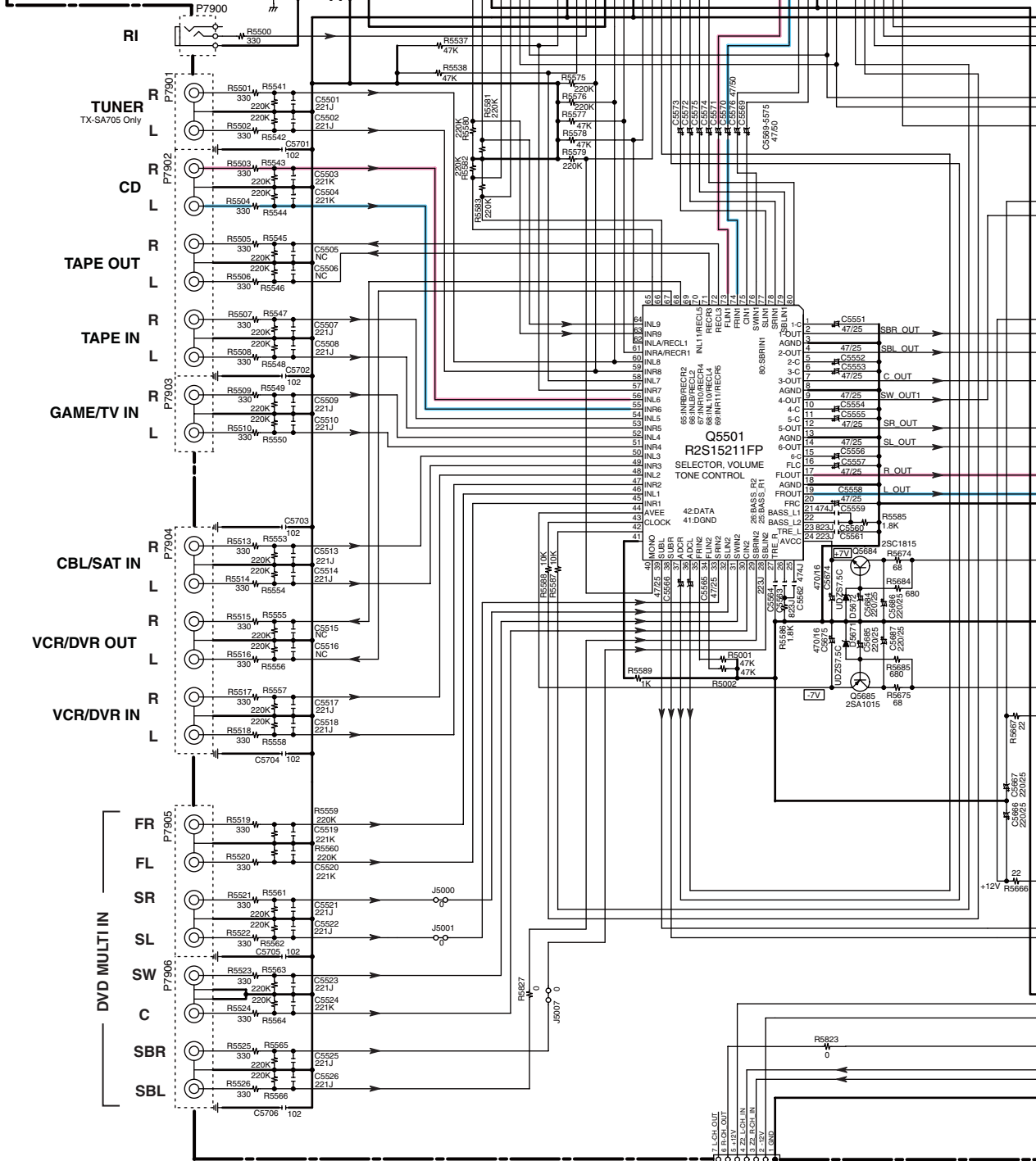
VCR/DVR

TO MAIN MICROPROCESSOR Q2001

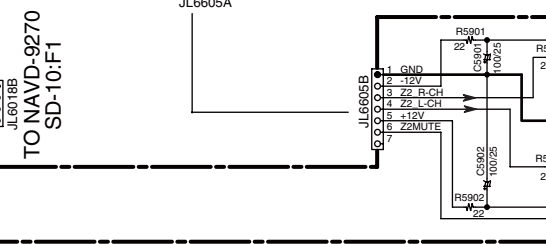
SCHEMATIC DIAGRAMS-1 (SD-1) AUDIO SECTION

DC Type Only TO NADG-9269 SD5:D5 TO NARF-9267 SD-14:G3 TO NADG-9269(2/2) SD-5:C5 TO NADG-9269(2/2) SD-5:D5

NAAF-9142(1/2) U01 AMPLIFIER PC BOARD



NAETC-9147 U05 RS232 PC BOARD



1

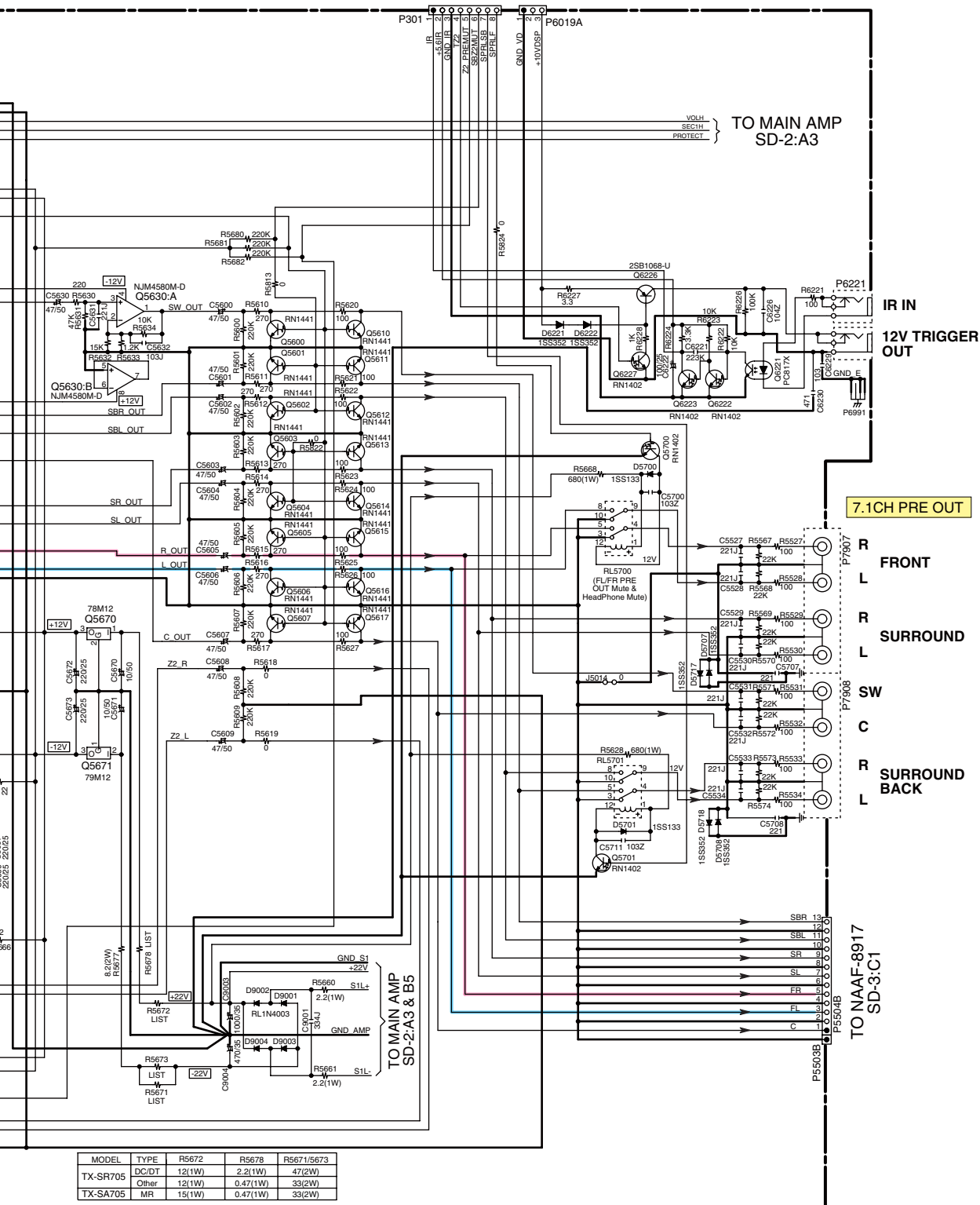
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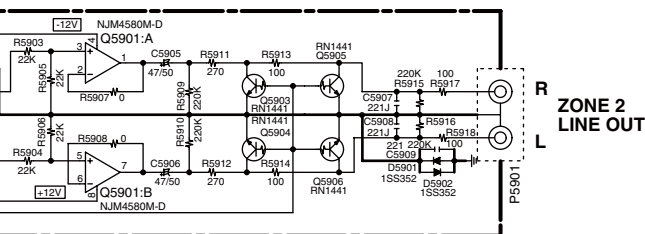
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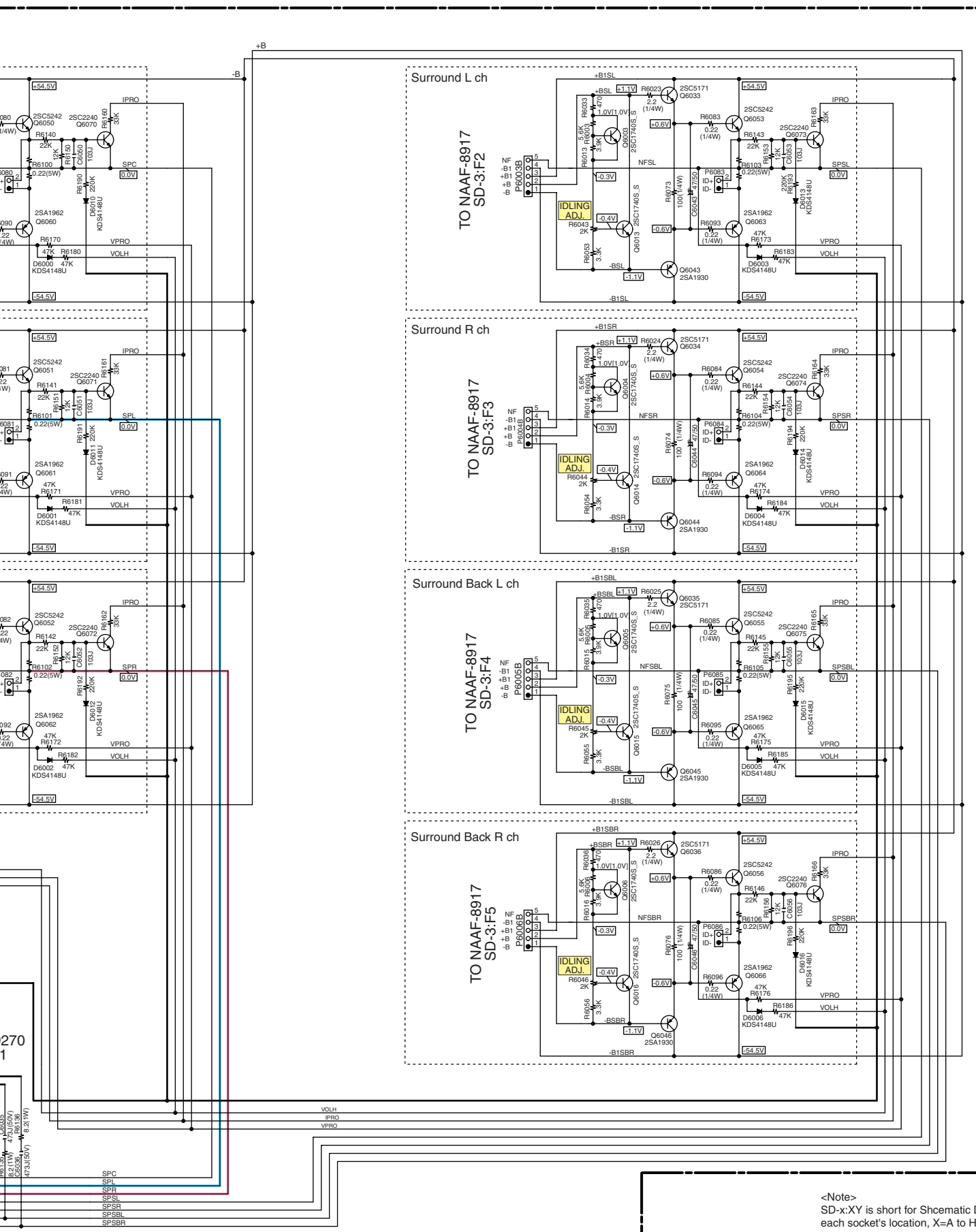
TO NADG-9269 SD-5:D5 TO NAVD-9270 SD-11:E5



| MODEL | TYPE | R5672 | R5678 | R5671/5673 |
|----------|-------|--------|----------|------------|
| TX-SR705 | DC/DT | 12(1W) | 2.2(1W) | 47(2W) |
| | Other | 12(1W) | 0.47(1W) | 33(2W) |
| TX-SA705 | MR | 15(1W) | 0.47(1W) | 33(2W) |



<Note>
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.



<Note>
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

A

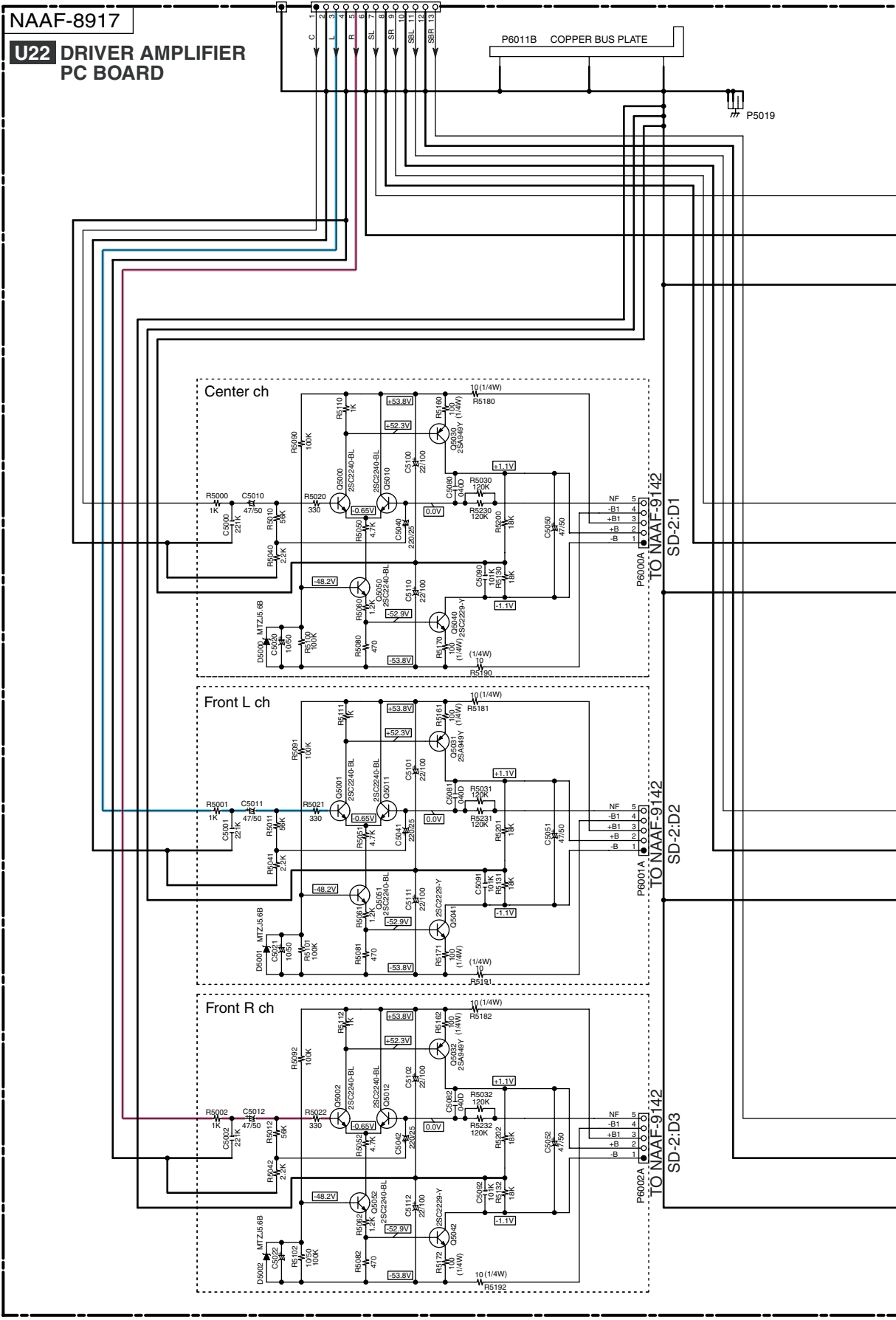
B

C

D

SCHEMATIC DIAGRAMS-3 (SD-3) POWER AMP SECTION-2

TO NAAF-9142(1/2)
SD-1:G4



1

2

3

4

5

NAAF-8917

**U22 DRIVER AMPLIFIER
PC BOARD**

P6011B COPPER BUS PLATE

P5019

Center ch

Front L ch

Front R ch

TO NAAF-9142
SD-2:D1

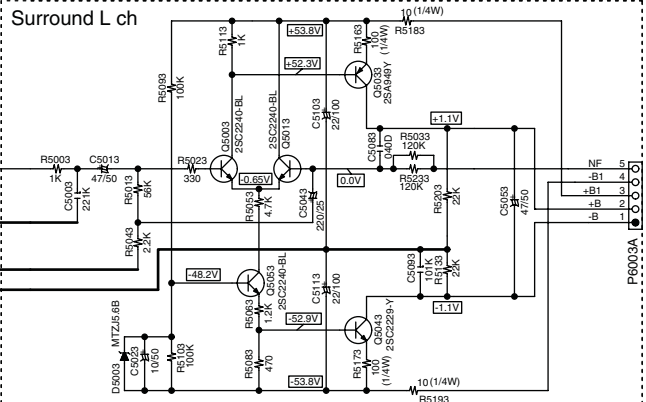
TO NAAF-9142
SD-2:D2

TO NAAF-9142
SD-2:D3

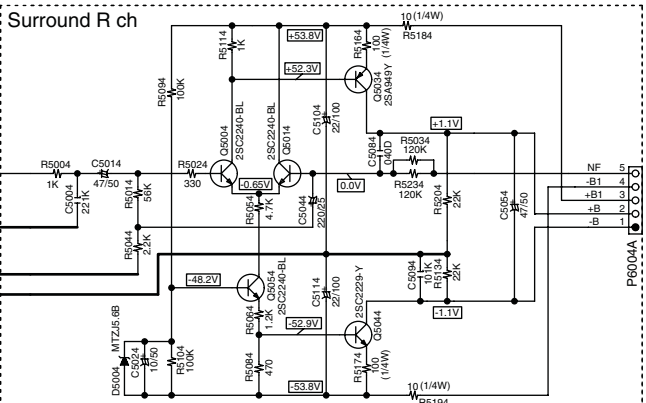
P6000A

P6001A

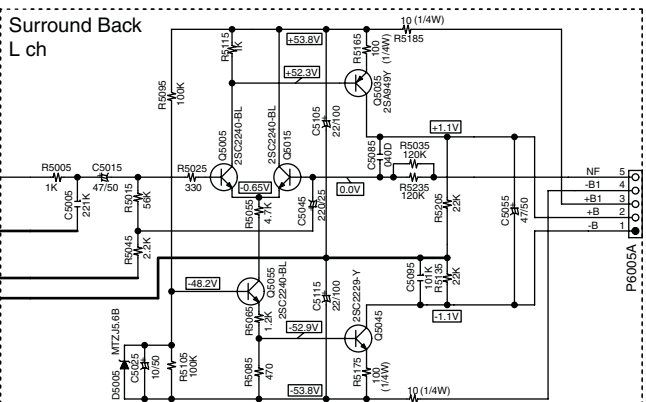
P6002A



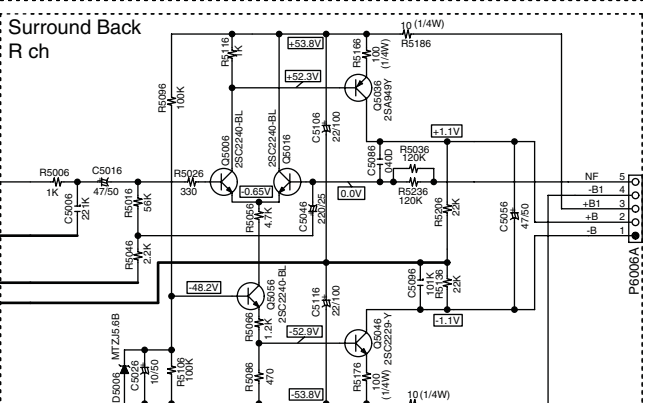
TO NAAF-9142
SD-2:F1



TO NAAF-9142
SD-2:F2



TO NAAF-9142
SD-2:F3



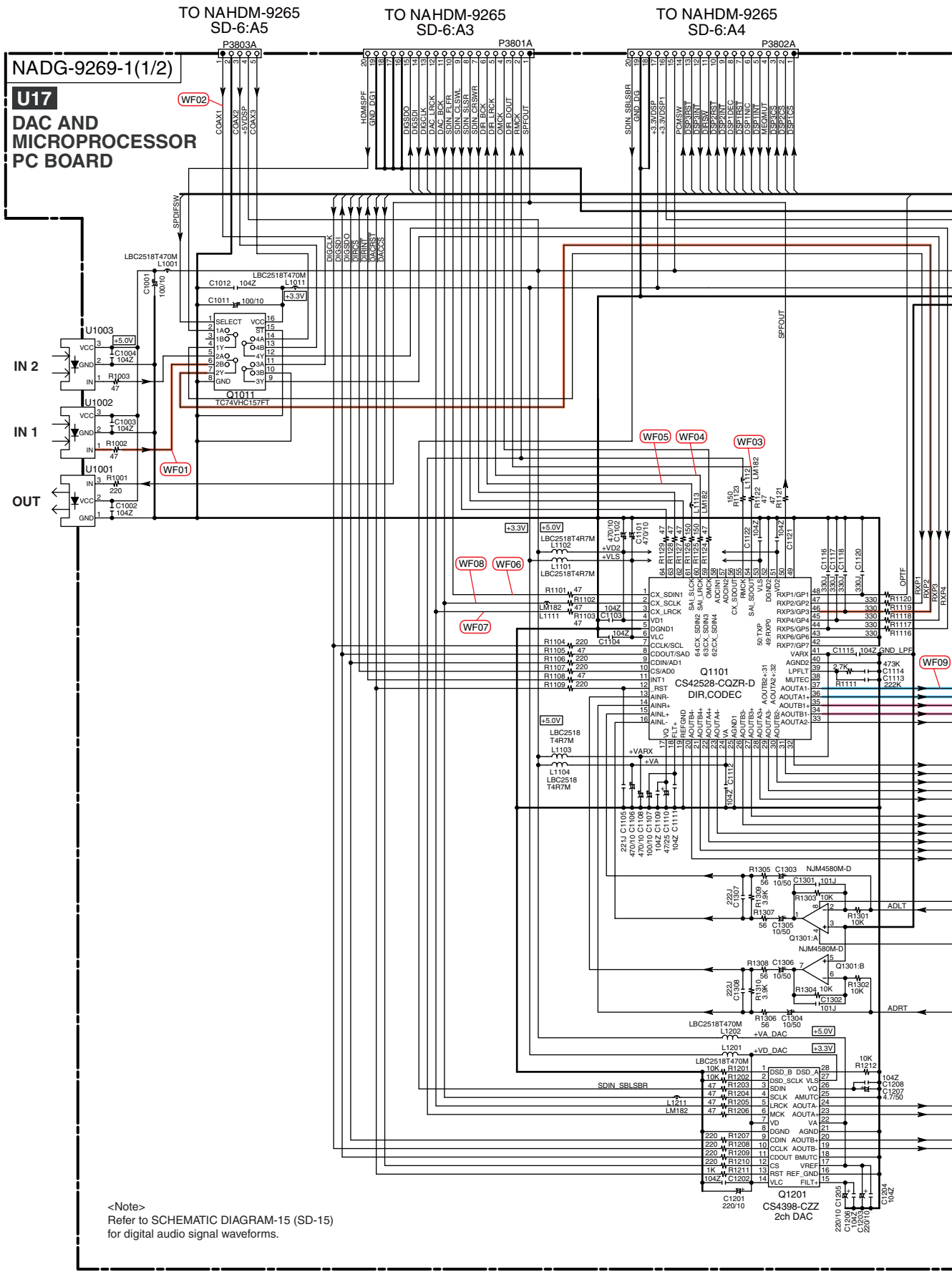
TO NAAF-9142
SD-2:F4

NOTE

- THE COMPONENTS IDENTIFIED BY MARK \triangle ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) \square IS DC VOLTAGE.(NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (---) ARE IN $\mu\text{F/WV}$.
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.
EX) 030- 3pF, 330- 33pF, 331- 330pF, 333- 0.033 μF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
EX) \square PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

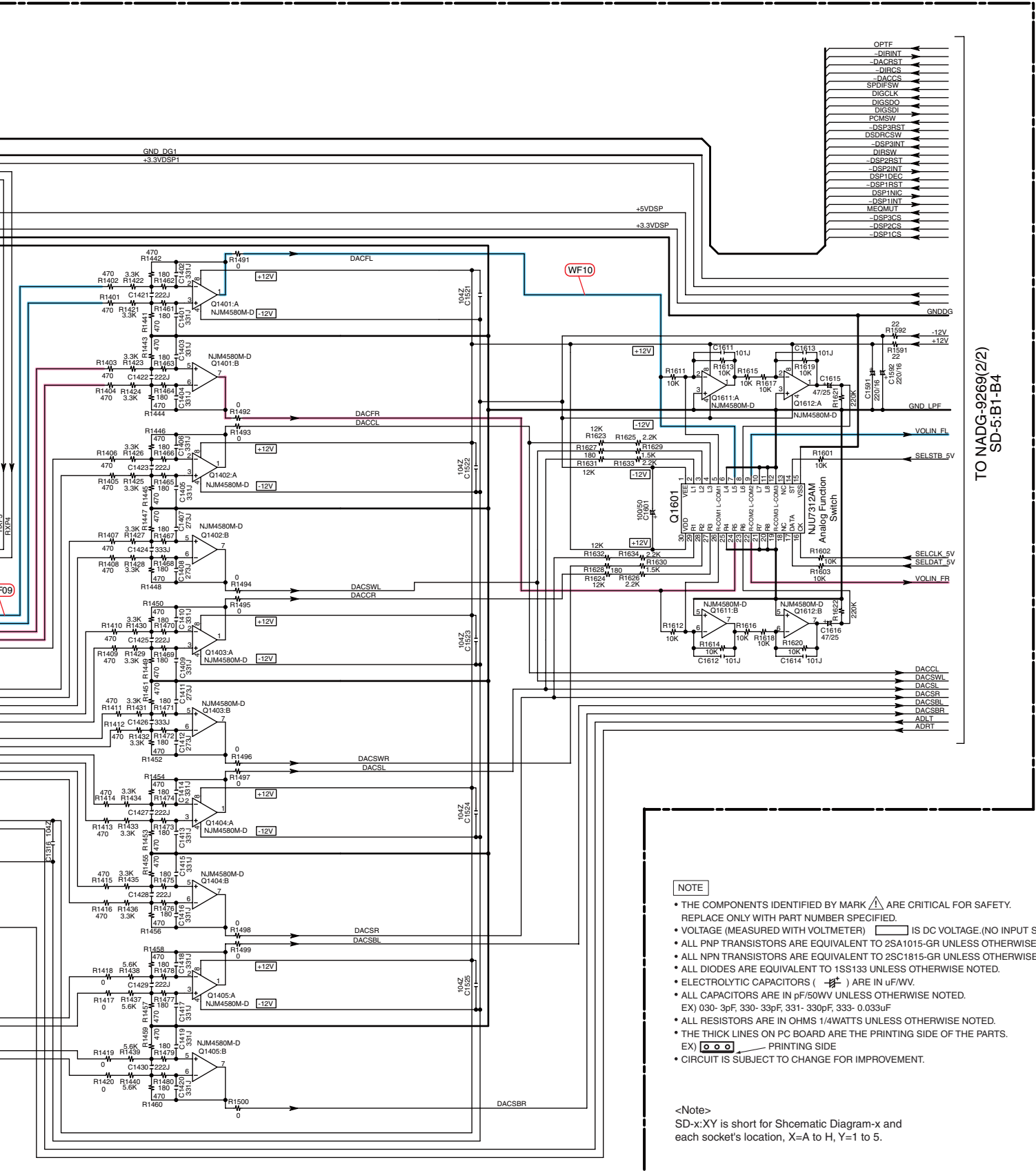
-Note>
SD-x:XY is short for Shcematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

SCHEMATIC DIAGRAMS-4 (SD-4) DAC SECTION



OPTICAL
IN 2
IN 1
OUT

<Note>
Refer to SCHEMATIC DIAGRAM-15 (SD-15)
for digital audio signal waveforms.



- OPTF
- DIRINT
- DACRST
- DIRCS
- DACCS
- SPDIFSW
- DIGCLK
- DIGSDO
- DIGSDI
- PCMSW
- DSPRST
- DSORCSW
- DSPRINT
- DIRSW
- DSP2RST
- DSP2INT
- DSP1DEC
- DSP1RST
- DSP1NIC
- DSP1INT
- MEQOUT
- DSP3CS
- DSP2CS
- DSP1CS

TO NADG-9269(2/2)
SD-5:B1-B4

NOTE

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- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (---) ARE IN μ F/WV.
- ALL CAPACITORS ARE IN pF/50VWV UNLESS OTHERWISE NOTED.
EX) 030- 3pF, 330- 33pF, 331- 330pF, 333- 0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
EX) \square PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

<Note>
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

SCHEMATIC DIAGRAMS-5 (SD-5)
MICROPROCESSOR SECTION

U17
DAC AND
MICROPROCESSOR
PC BOARD

TO NAETC-9161 SD-12:C5
TO NADIS-9148 SD-12:H2
TO TUNER UNIT TX-SR705 Only
TO NAVD-9270 SD-10:D1
TO P2004A

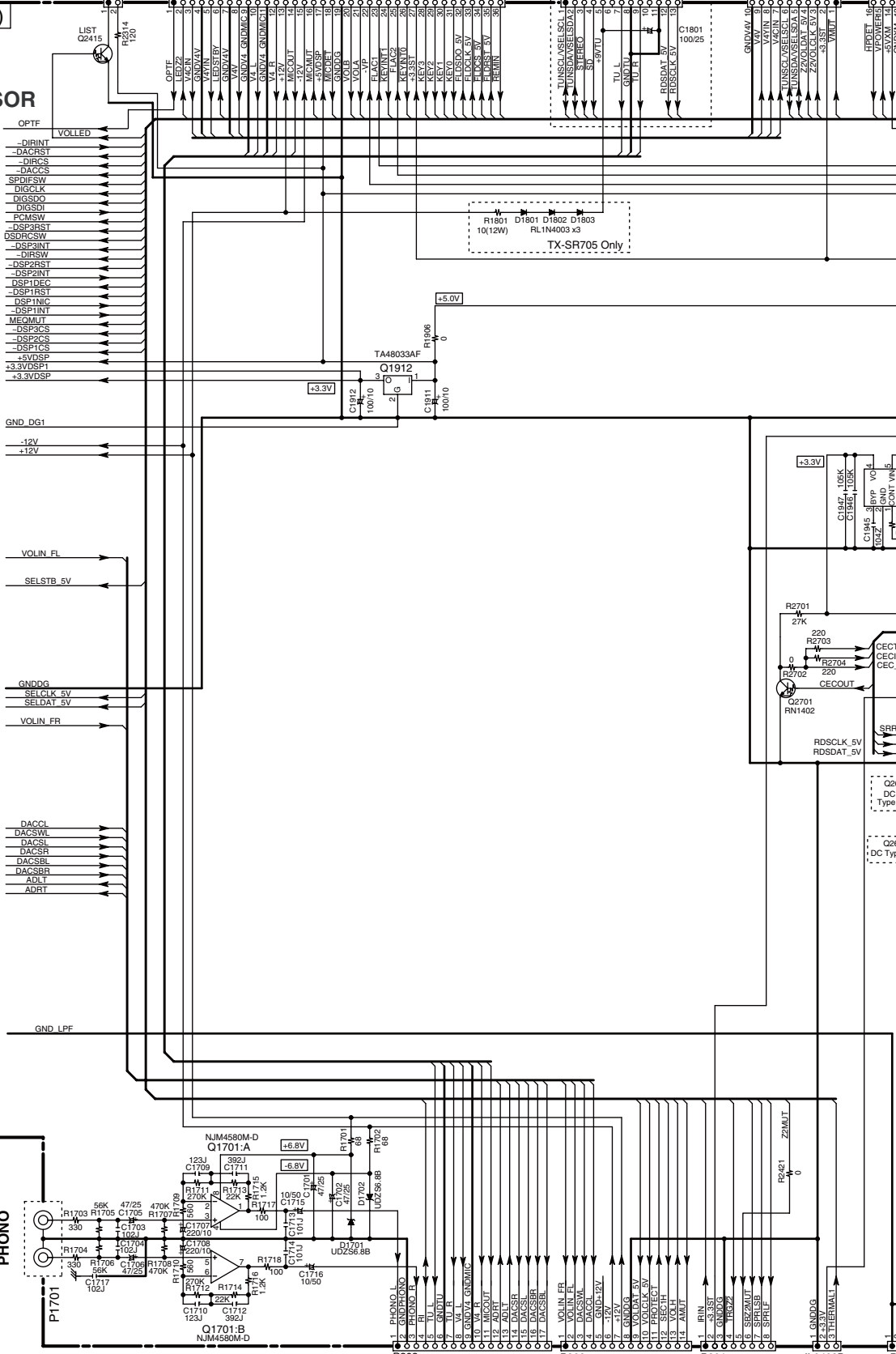
1

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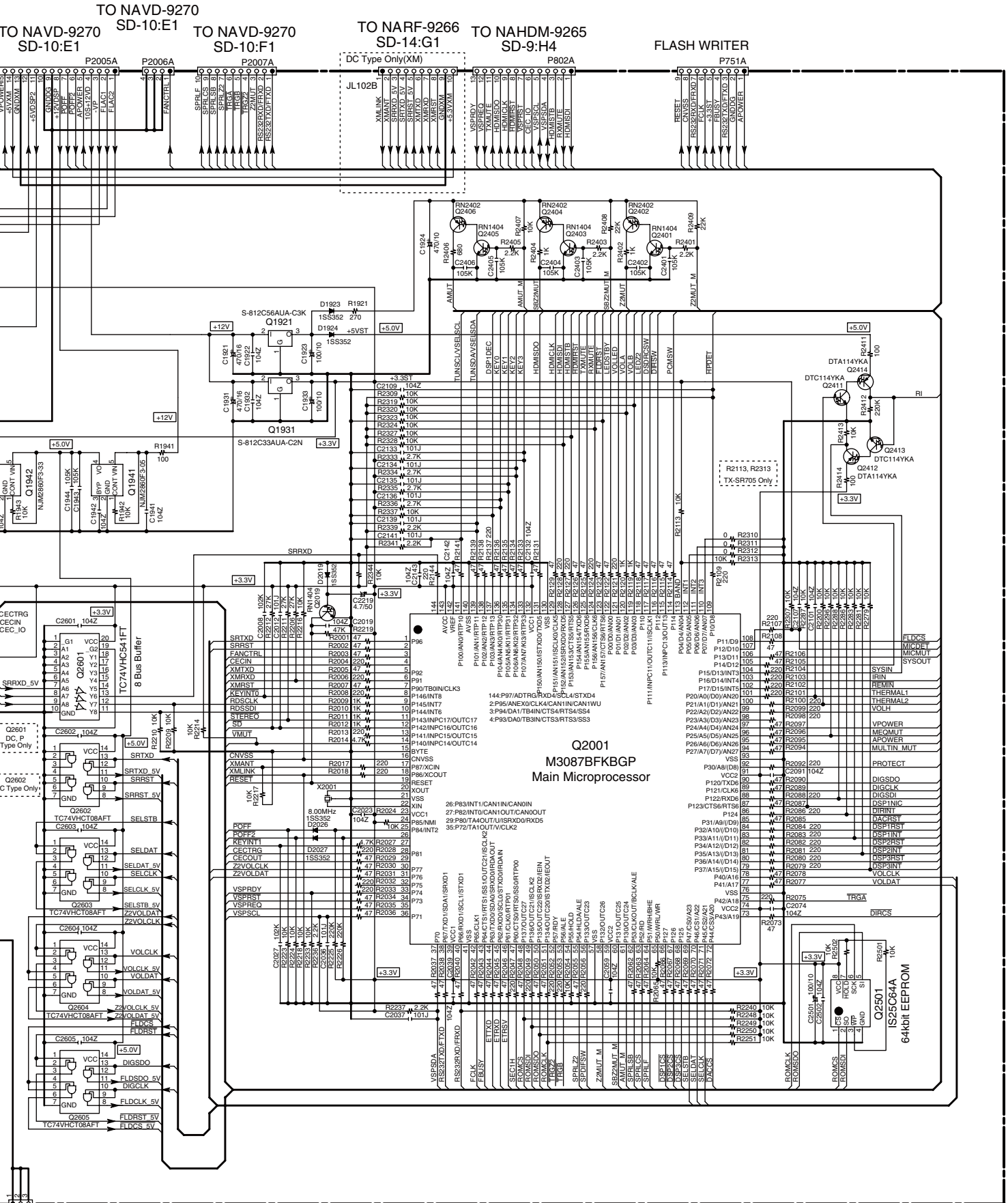
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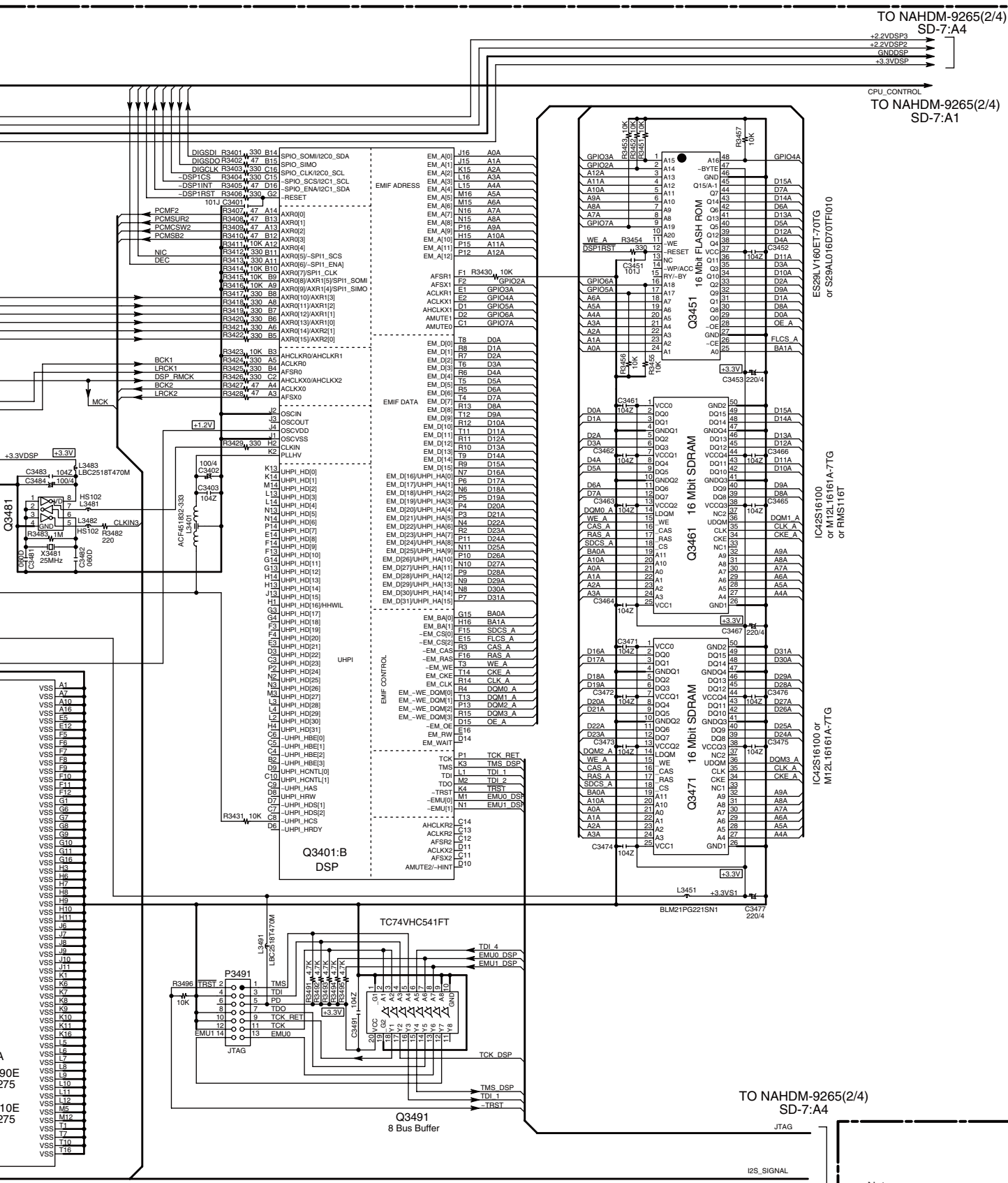
5



<Note>
SD-x:XY is short for Schematic Diagram-x and
each socket's location, X=A to H, Y=1 to 5.

TO NAAF-9142 SD-1:C1
TO NAAF-9142 SD-1:D1
TO NAAF-9142 SD-1:F1
TO NAETC-9144 SD-2:B2





<Note>
SD-x:Y is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

A

B

C

D

SCHEMATIC DIAGRAMS-7 (SD-7) DSP SECTION-2

1

NAHDM-9265(2/4) U24 DSP AND HDMI PC BOARD

2

TO NAHDM-9265(1/4)
SD-6:H1

CPU CONTROL

3

TO NAHDM-9265(1/4)
SD-6:H1,G5

4

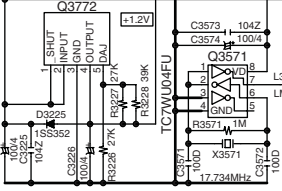
I2S SIGNAL

+2.5VDSP23

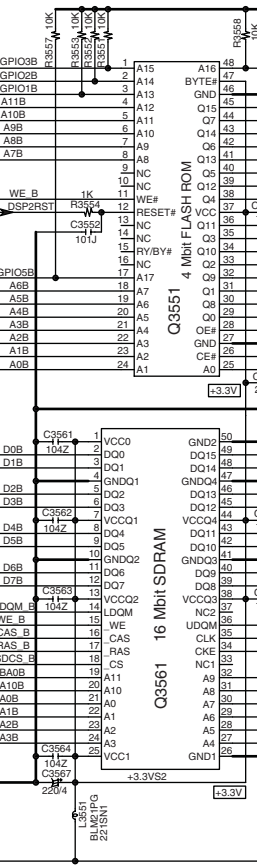
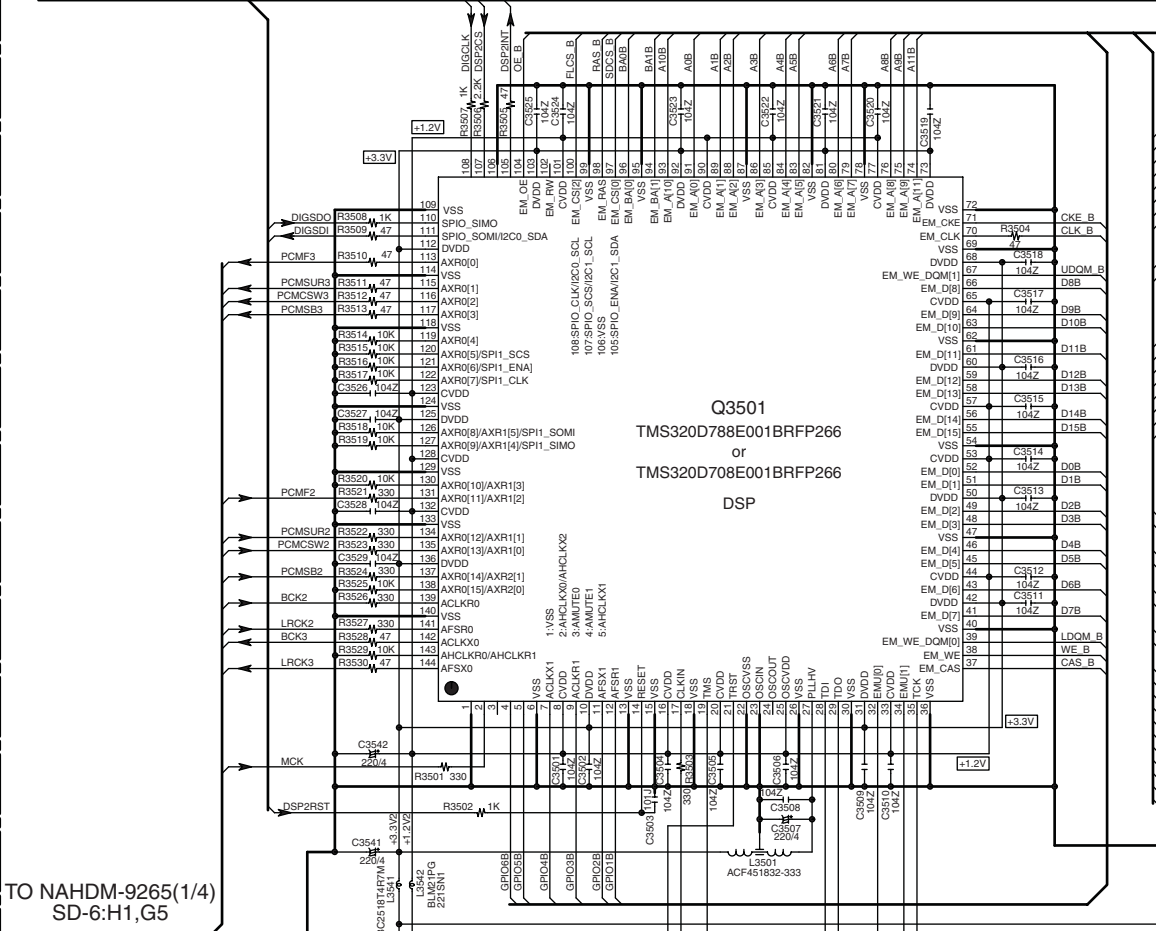
+3.3VDSP

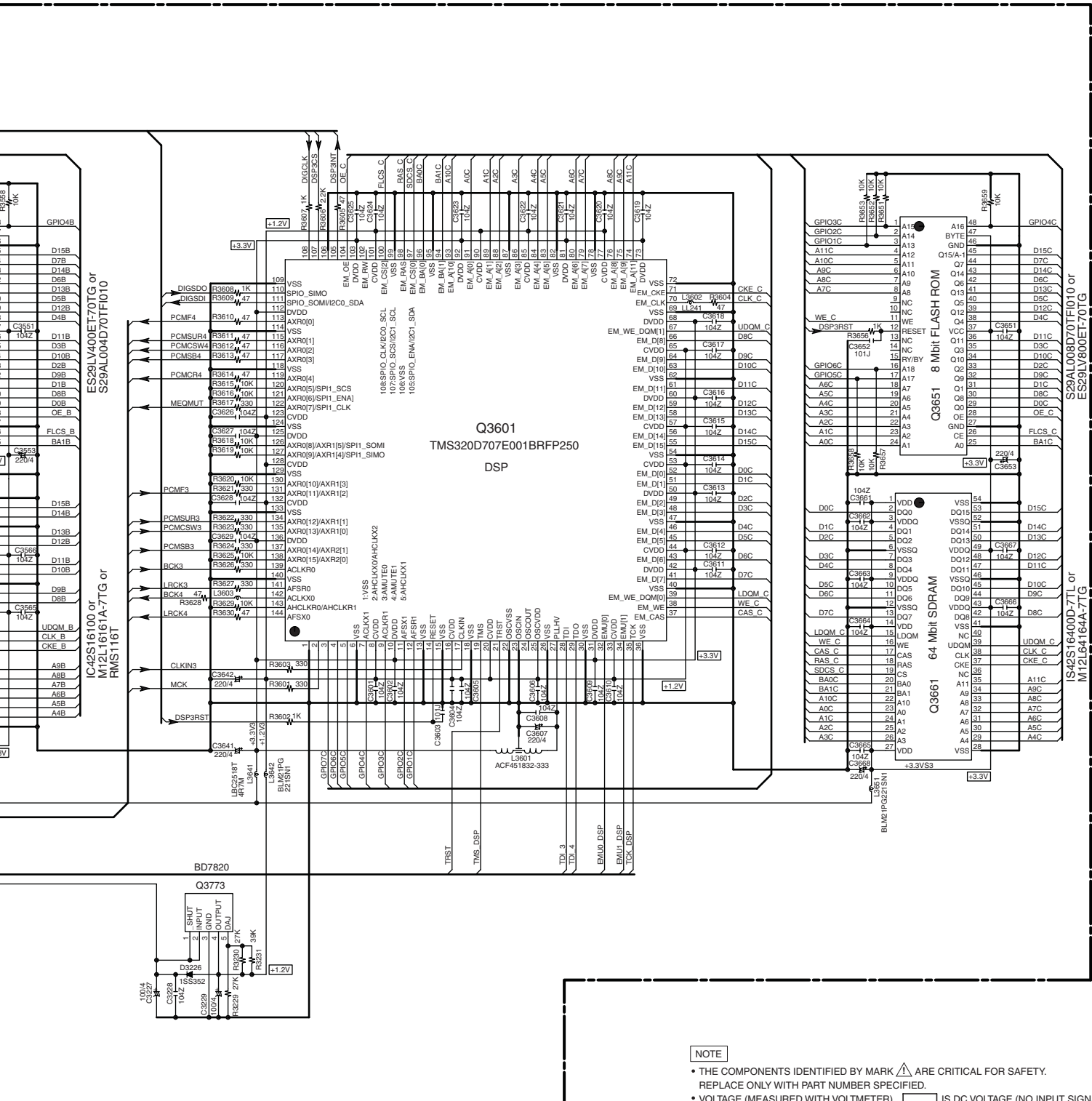
GNDDSP

JTAG



5





NOTE

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- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS (---) ARE IN $\mu\text{F}/\text{VW}$.
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.
EX) 030-3pF, 330-33pF, 331-330pF, 333-0.033 μF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
EX) --- LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
EX) --- PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

<Note>
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

A

B

C

D

SCHEMATIC DIAGRAMS-8 (SD-8)
HDMI SECTION-1

1

2

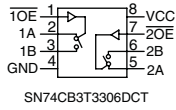
3

4

5

NAHDM-9265(3/4)

U24
DSP AND HDMI
PC BOARD

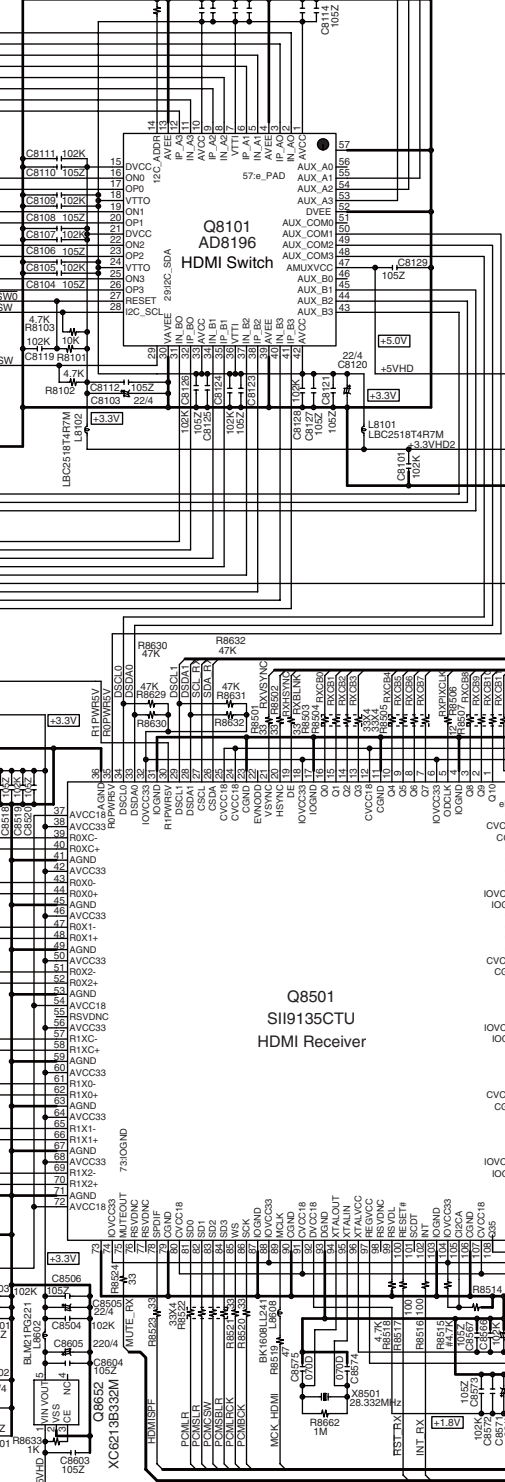


HDMI IN 3

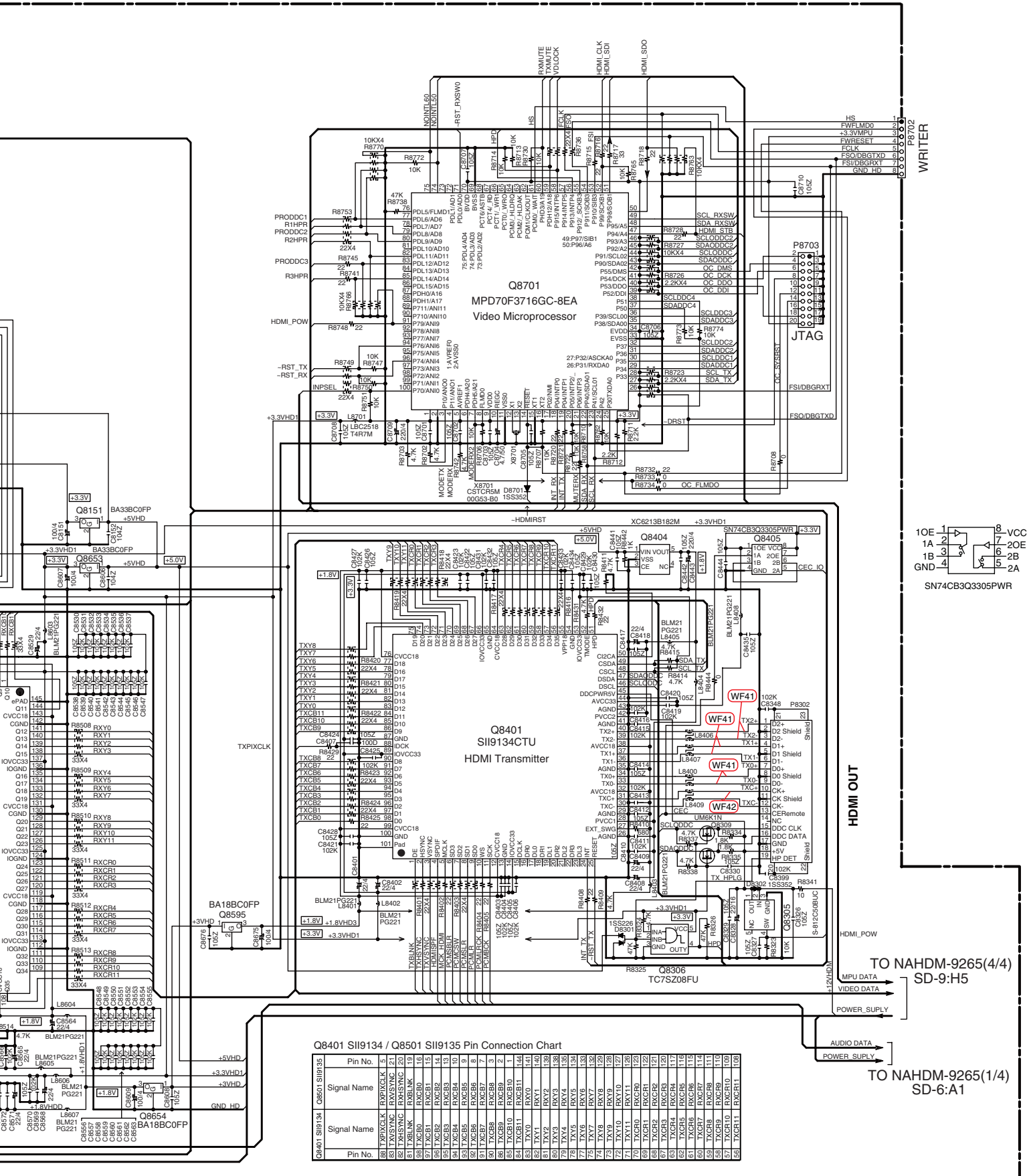
HDMI IN 2

HDMI IN 1

<Note>
Refer to SCHEMATIC DIAGRAM-15 (SD-15)
for HDMI signal waveforms.

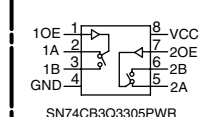


<Note>
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.



Q8401 SI19134 / Q8501 SI19135 Pin Connection Chart

| Pin No. | Signal Name | Pin No. | Signal Name |
|---------|---------------|---------|---------------|
| 1 | Q8401 SI19134 | 1 | Q8501 SI19135 |
| 2 | TX0 | 2 | TX0 |
| 3 | TX1 | 3 | TX1 |
| 4 | TX2 | 4 | TX2 |
| 5 | TX3 | 5 | TX3 |
| 6 | TX4 | 6 | TX4 |
| 7 | TX5 | 7 | TX5 |
| 8 | TX6 | 8 | TX6 |
| 9 | TX7 | 9 | TX7 |
| 10 | TX8 | 10 | TX8 |
| 11 | TX9 | 11 | TX9 |
| 12 | TX10 | 12 | TX10 |
| 13 | TX11 | 13 | TX11 |
| 14 | TX12 | 14 | TX12 |
| 15 | TX13 | 15 | TX13 |
| 16 | TX14 | 16 | TX14 |
| 17 | TX15 | 17 | TX15 |
| 18 | TX16 | 18 | TX16 |
| 19 | TX17 | 19 | TX17 |
| 20 | TX18 | 20 | TX18 |
| 21 | TX19 | 21 | TX19 |
| 22 | TX20 | 22 | TX20 |
| 23 | TX21 | 23 | TX21 |
| 24 | TX22 | 24 | TX22 |
| 25 | TX23 | 25 | TX23 |
| 26 | TX24 | 26 | TX24 |
| 27 | TX25 | 27 | TX25 |
| 28 | TX26 | 28 | TX26 |
| 29 | TX27 | 29 | TX27 |
| 30 | TX28 | 30 | TX28 |
| 31 | TX29 | 31 | TX29 |
| 32 | TX30 | 32 | TX30 |
| 33 | TX31 | 33 | TX31 |
| 34 | TX32 | 34 | TX32 |
| 35 | TX33 | 35 | TX33 |
| 36 | TX34 | 36 | TX34 |
| 37 | TX35 | 37 | TX35 |
| 38 | TX36 | 38 | TX36 |
| 39 | TX37 | 39 | TX37 |
| 40 | TX38 | 40 | TX38 |
| 41 | TX39 | 41 | TX39 |
| 42 | TX40 | 42 | TX40 |
| 43 | TX41 | 43 | TX41 |
| 44 | TX42 | 44 | TX42 |
| 45 | TX43 | 45 | TX43 |
| 46 | TX44 | 46 | TX44 |
| 47 | TX45 | 47 | TX45 |
| 48 | TX46 | 48 | TX46 |
| 49 | TX47 | 49 | TX47 |
| 50 | TX48 | 50 | TX48 |
| 51 | TX49 | 51 | TX49 |
| 52 | TX50 | 52 | TX50 |
| 53 | TX51 | 53 | TX51 |
| 54 | TX52 | 54 | TX52 |
| 55 | TX53 | 55 | TX53 |
| 56 | TX54 | 56 | TX54 |
| 57 | TX55 | 57 | TX55 |
| 58 | TX56 | 58 | TX56 |
| 59 | TX57 | 59 | TX57 |
| 60 | TX58 | 60 | TX58 |
| 61 | TX59 | 61 | TX59 |
| 62 | TX60 | 62 | TX60 |
| 63 | TX61 | 63 | TX61 |
| 64 | TX62 | 64 | TX62 |
| 65 | TX63 | 65 | TX63 |
| 66 | TX64 | 66 | TX64 |
| 67 | TX65 | 67 | TX65 |
| 68 | TX66 | 68 | TX66 |
| 69 | TX67 | 69 | TX67 |
| 70 | TX68 | 70 | TX68 |
| 71 | TX69 | 71 | TX69 |
| 72 | TX70 | 72 | TX70 |
| 73 | TX71 | 73 | TX71 |
| 74 | TX72 | 74 | TX72 |
| 75 | TX73 | 75 | TX73 |
| 76 | TX74 | 76 | TX74 |
| 77 | TX75 | 77 | TX75 |
| 78 | TX76 | 78 | TX76 |
| 79 | TX77 | 79 | TX77 |
| 80 | TX78 | 80 | TX78 |
| 81 | TX79 | 81 | TX79 |
| 82 | TX80 | 82 | TX80 |
| 83 | TX81 | 83 | TX81 |
| 84 | TX82 | 84 | TX82 |
| 85 | TX83 | 85 | TX83 |
| 86 | TX84 | 86 | TX84 |
| 87 | TX85 | 87 | TX85 |
| 88 | TX86 | 88 | TX86 |
| 89 | TX87 | 89 | TX87 |
| 90 | TX88 | 90 | TX88 |
| 91 | TX89 | 91 | TX89 |
| 92 | TX90 | 92 | TX90 |
| 93 | TX91 | 93 | TX91 |
| 94 | TX92 | 94 | TX92 |
| 95 | TX93 | 95 | TX93 |
| 96 | TX94 | 96 | TX94 |
| 97 | TX95 | 97 | TX95 |
| 98 | TX96 | 98 | TX96 |
| 99 | TX97 | 99 | TX97 |
| 100 | TX98 | 100 | TX98 |

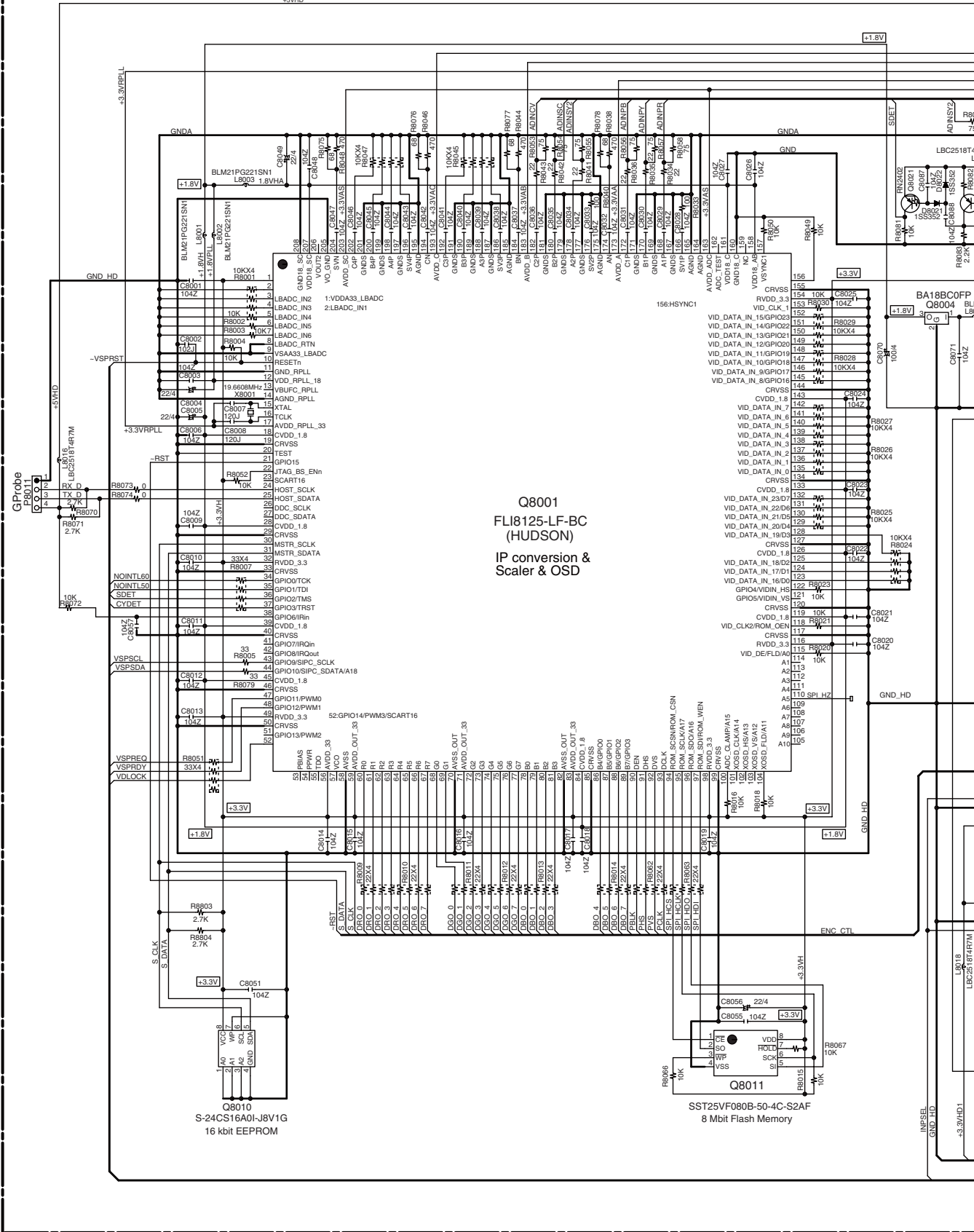


TO NAHDM-9265(4/4)
SD-9:H5
MPU DATA
VIDEO DATA
POWER_SUPPLY
AUDIO DATA
POWER_SUPPLY
TO NAHDM-9265(1/4)
SD-6:A1

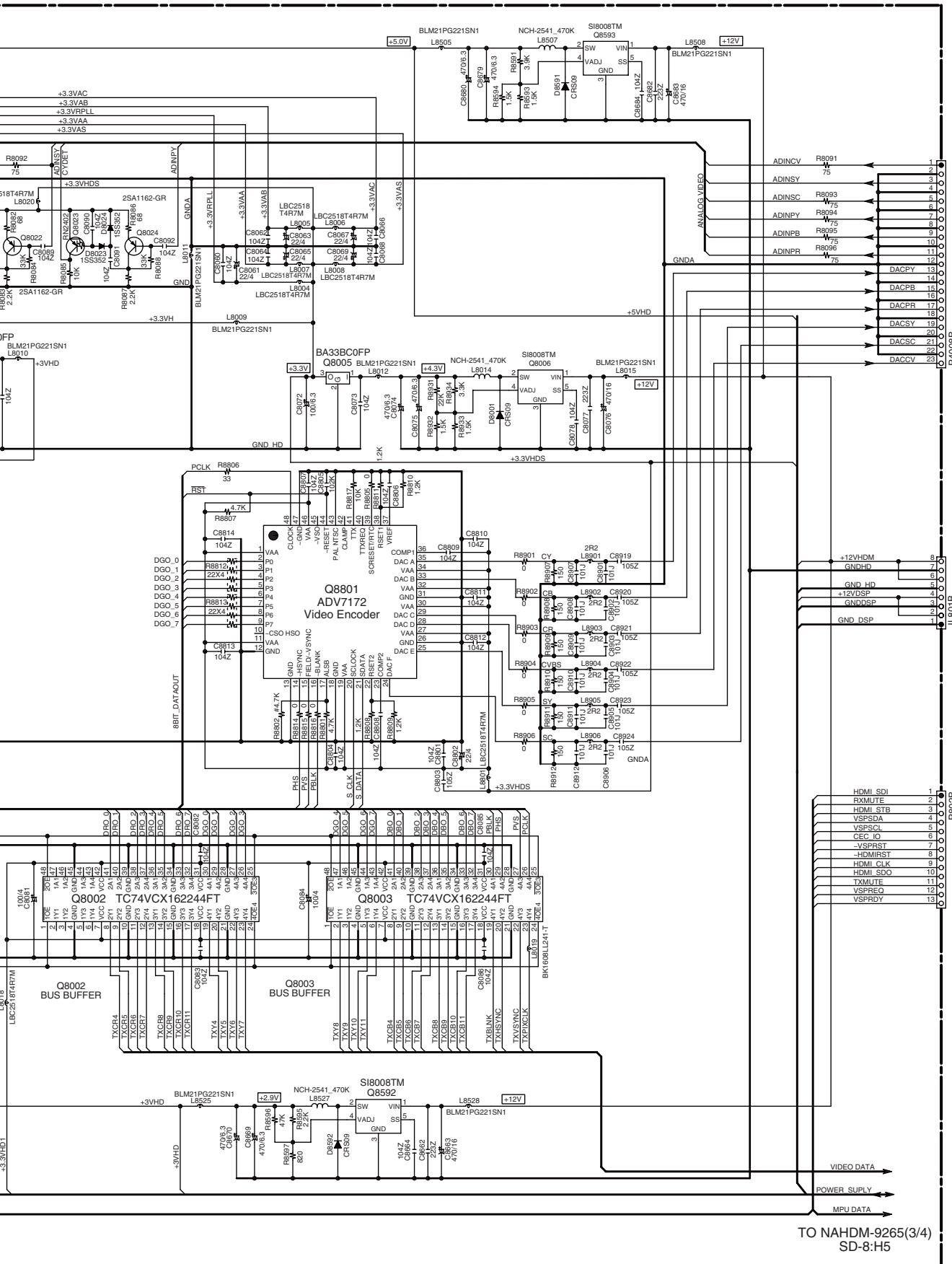
SCHEMATIC DIAGRAMS-9 (SD-9)
HDMI SECTION-2

NAHDM-9265(4/4) U24 DSP AND HDMI PC BOARD

1
2
3
4
5



<Note>
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.



TO NAVD-9270(1/2)
SD-10:F4

TO NAVD-9270(2/2)
SD-11:H3

TO NADG-9269(2/2)
SD-5:F1

TO NAHDM-9265(3/4)
SD-8:H5

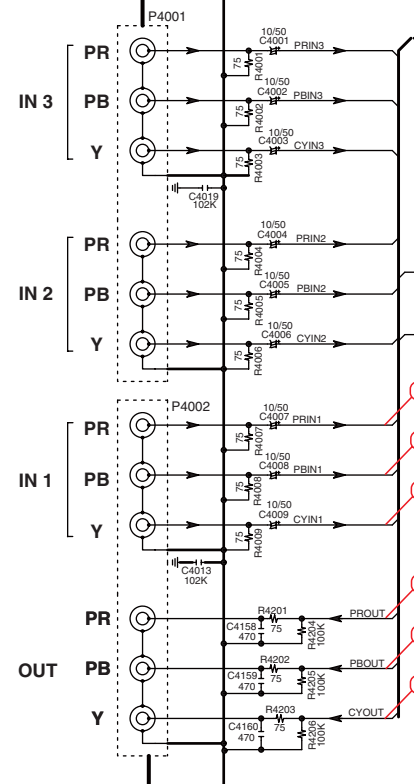
SCHEMATIC DIAGRAMS-10 (SD-10)
VIDEO SECTION

TO NADG-9269
SD-5:D1

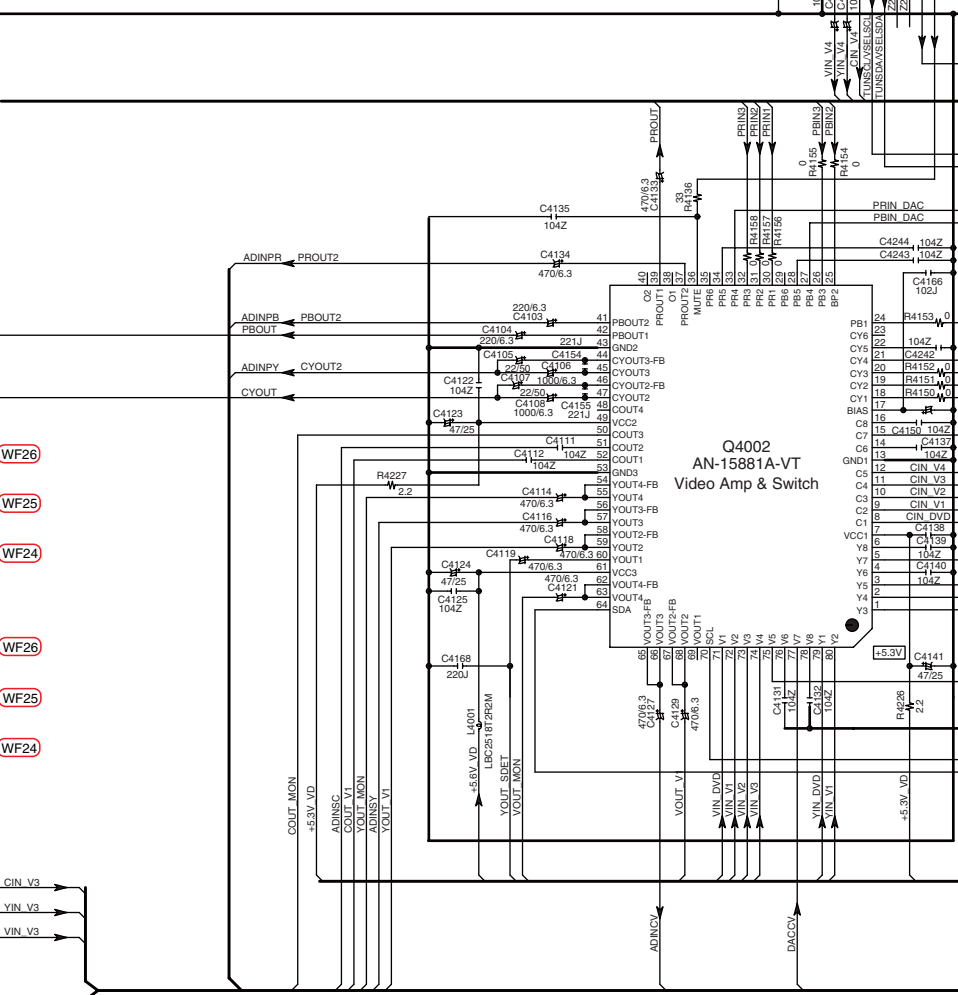
1

NAVD-9270(1/2) U18 VIDEO AND SP TERMINAL PC BOARD

COMPONENT VIDEO

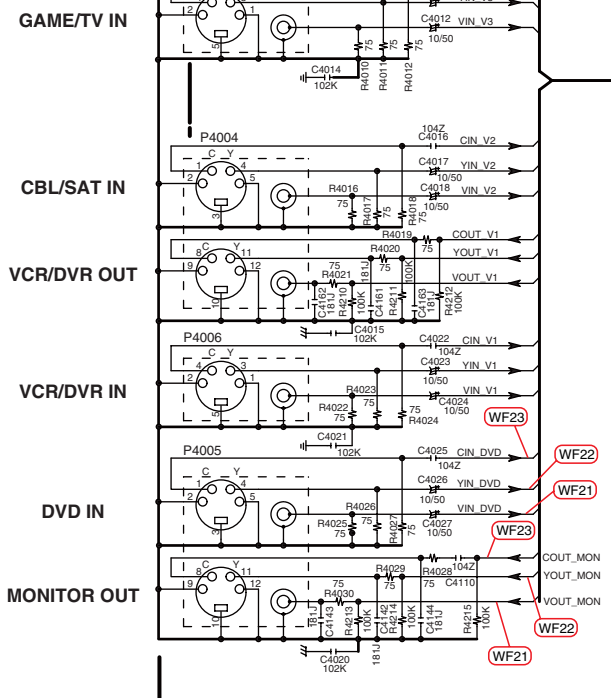


2



3

S VIDEO



4

<Note>
Refer to SCHEMATIC DIAGRAM-13 (SD-13)
for video signal waveforms.

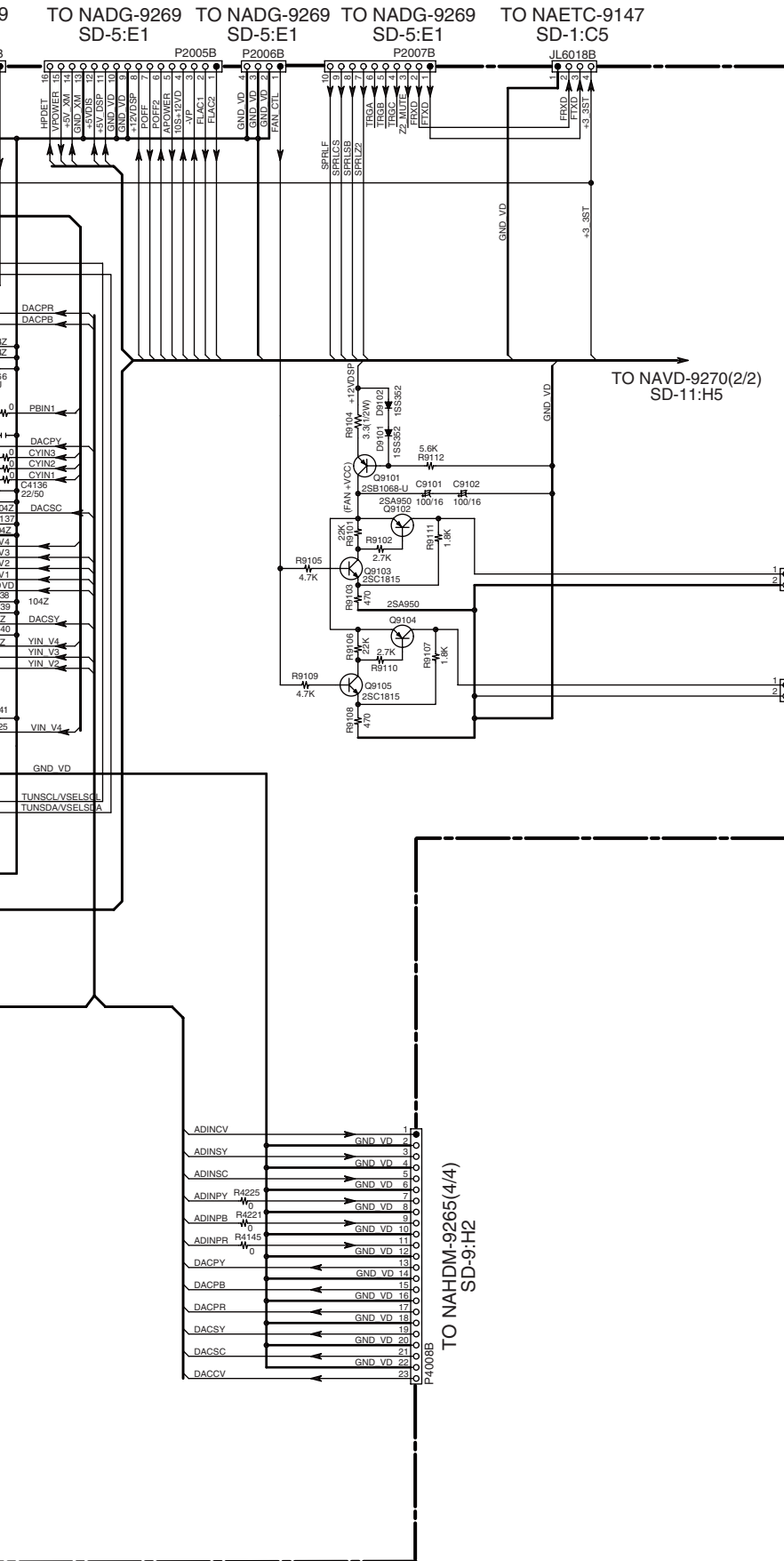
5

E

F

G

H



NOTE

- THE COMPONENTS IDENTIFIED BY MARK \triangle ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) \square IS DC VOLTAGE.(NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS ($\text{---} \text{---} \text{---}$) ARE IN $\mu\text{F/WV}$.
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.
EX) 030-3pF, 330-33pF, 331-330pF, 333-0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
EX) $\text{---} \text{---} \text{---}$ PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

<Note>
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

SCHEMATIC DIAGRAMS-11 (SD-11)
SPEAKER TERMINAL SECTION

NAVD-9270(2/2) U18 VIDEO AND SP TERMINAL PC BOARD

1

2

3

4

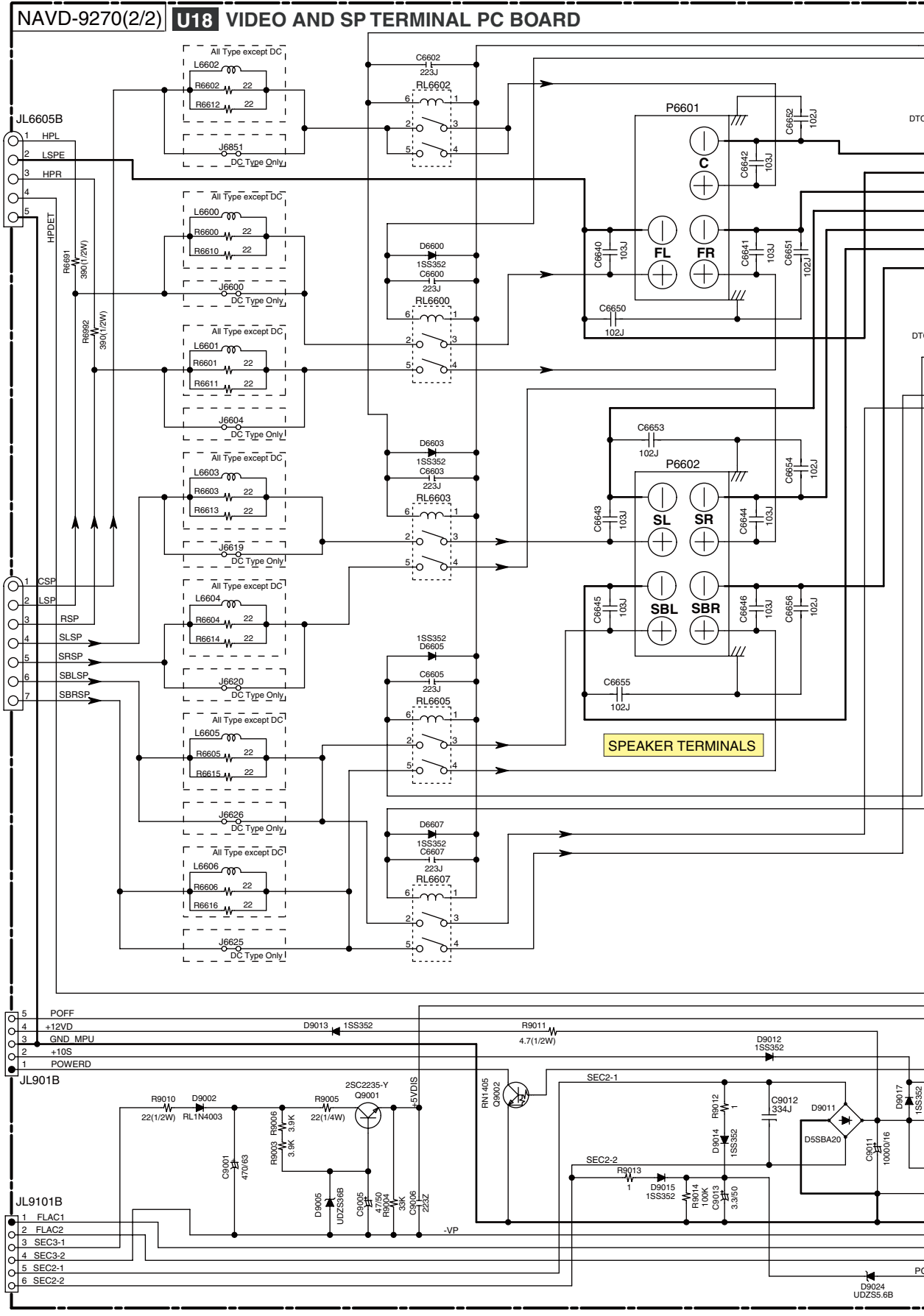
5

TO NAEIC-9153
SD-12:C1

TO NAAF-9142
SD-2:D5

TO NAPS-9150
SD-13:F1

TO NAPS-9151
SD-13:G2



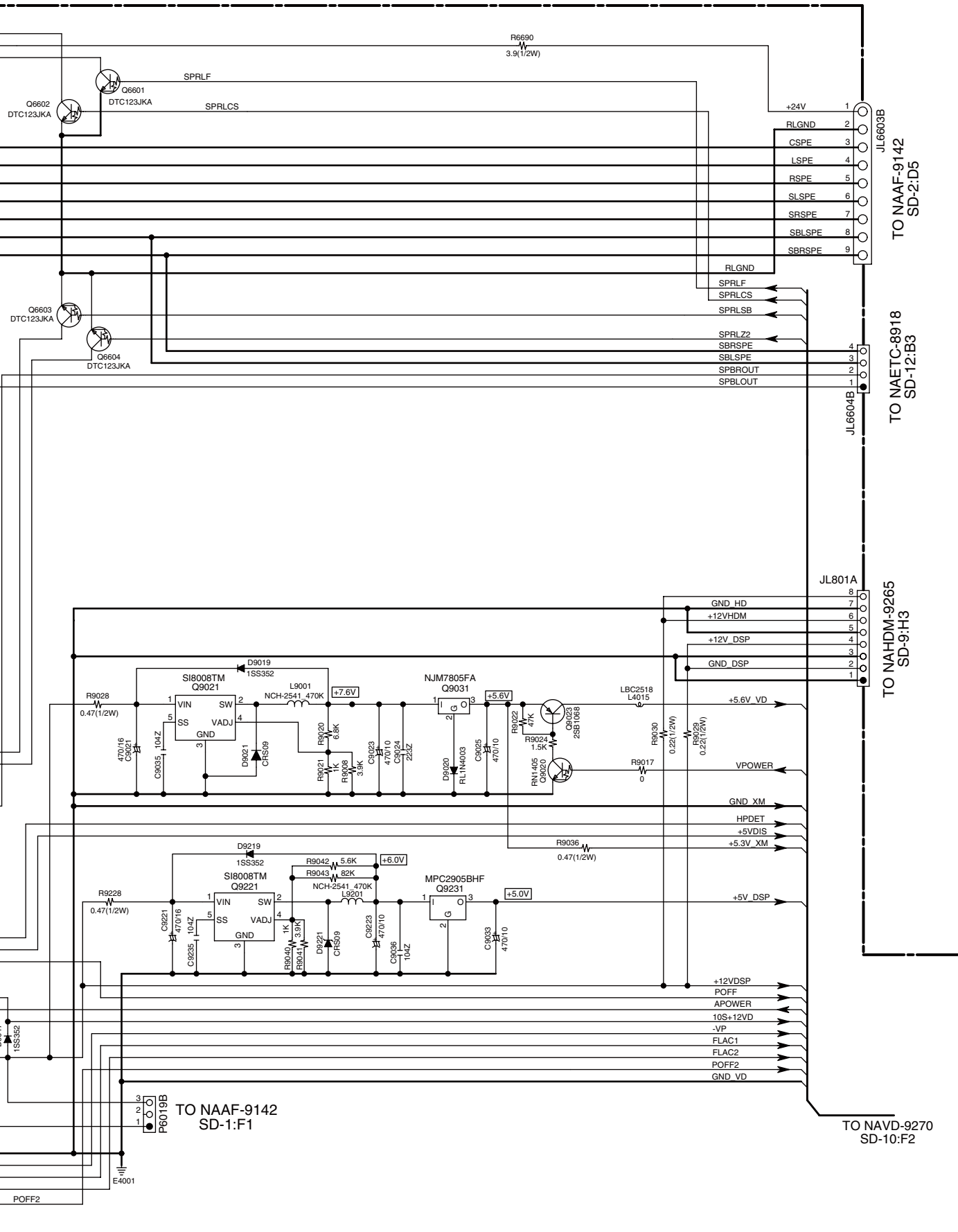
E

F

G

H

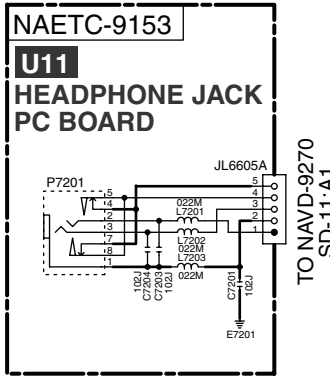
<Note>
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.



SCHEMATIC DIAGRAMS-12 (SD-12)
DISPLAY SECTION

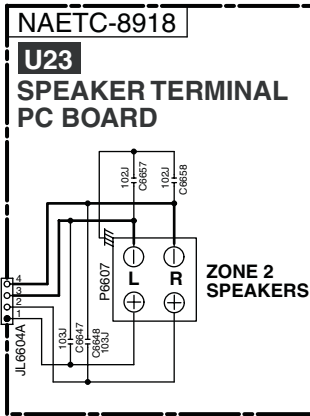
1

HEADPHONE



TO NAVD-9270
SD-11:A1

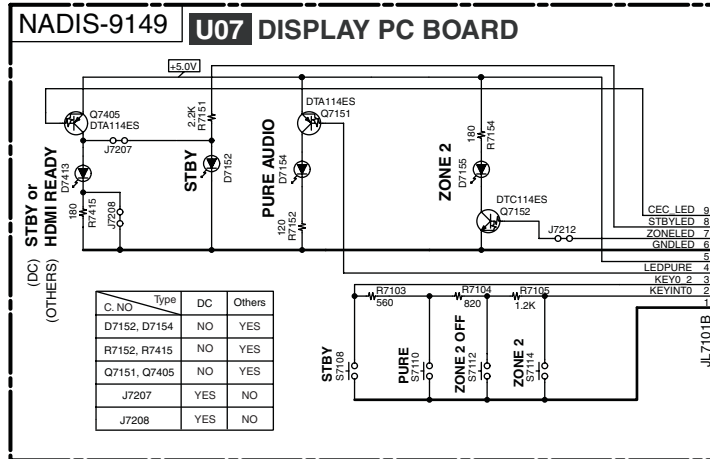
2



TO NAVD-9270
SD-11:H2

ZONE 2
SPEAKERS

3



4

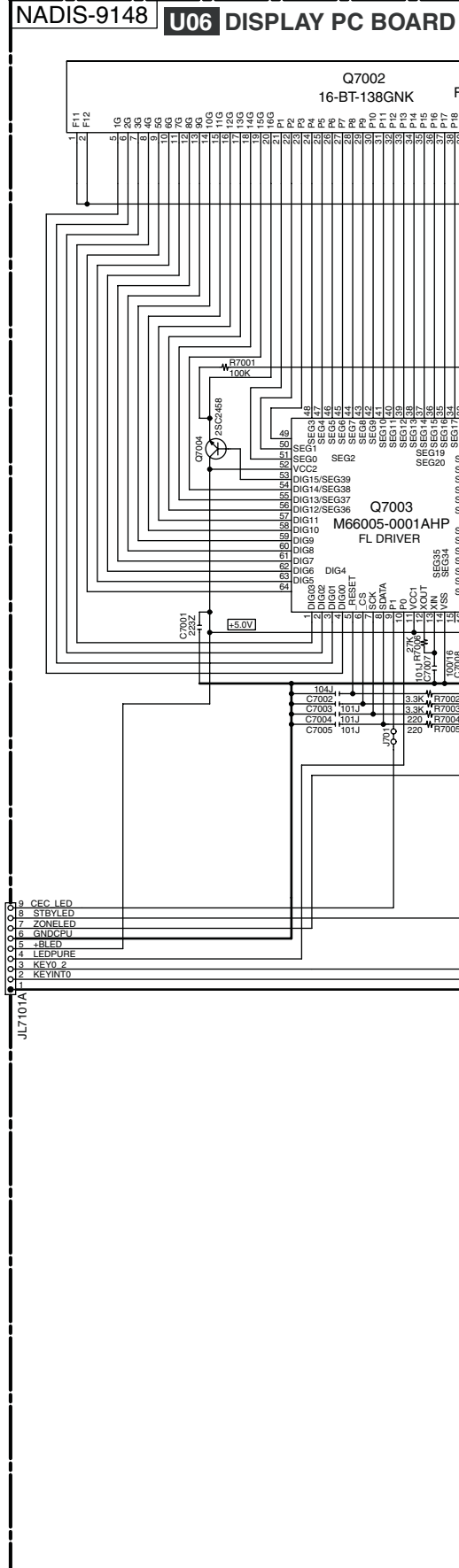
<Note>

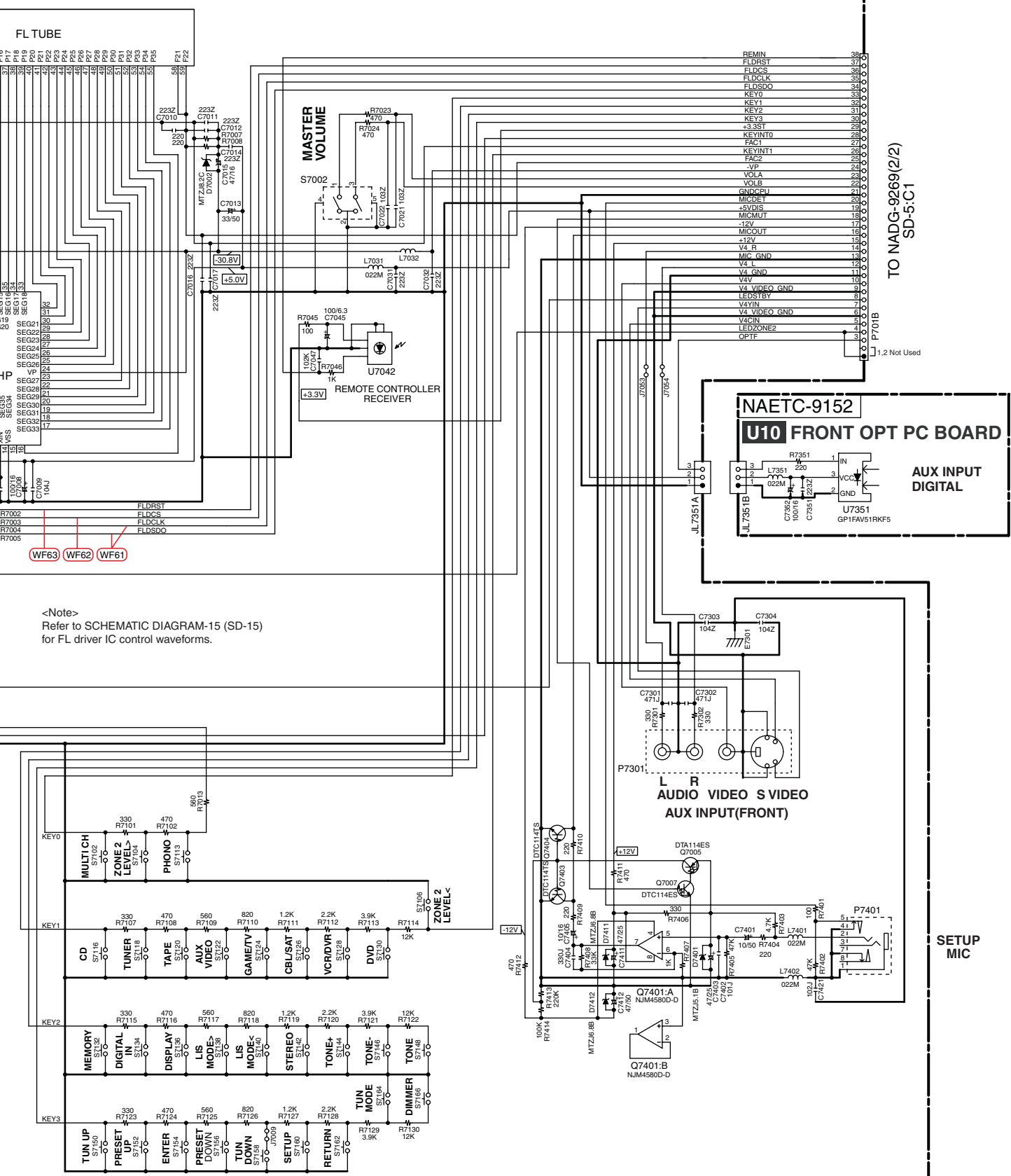
SD-x:XY is short for Shcematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

NOTE

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) IS DC VOLTAGE.(NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS () ARE IN uF/WV.
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.
EX) 030- 3pF, 330- 33pF, 331- 330pF, 333- 0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
EX) PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

5





TO NADG-9269(2/2)
SD-5:C1

WF63 WF62 WF61

<Note>
Refer to SCHEMATIC DIAGRAM-15 (SD-15)
for FL driver IC control waveforms.

SETUP
MIC

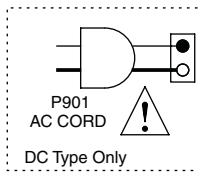
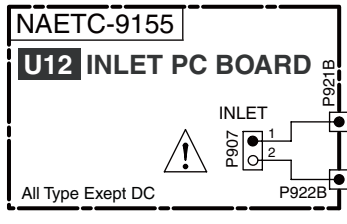
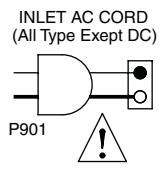
**SCHEMATIC DIAGRAMS-13 (SD-13)
POWER SUPPLY SECTION**

NOTE

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
- VOLTAGE (MEASURED WITH VOLTMETER) IS DC VOLTAGE. (NO INPUT SIGNAL).
- ALL PNP TRANSISTORS ARE EQUIVALENT TO 2SA1015-GR UNLESS OTHERWISE NOTED.
- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS () ARE IN uF/WV.
- ALL CAPACITORS ARE IN pF/50WV UNLESS OTHERWISE NOTED.
EX) 030- 3pF 330- 33pF 331- 330pF 333- 0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
EX) PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

<Note>
SD-x:XY is short for Schematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

| Type | AC Volt/Freq. |
|---------------------|--------------------|
| DC, DT | 120V / 60HZ |
| P, A | 220-240V / 50HZ |
| O, K, Q, T SA705 | 220-240V / 50,60HZ |

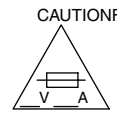


CAUTION

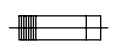


FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH FUSE OF SAME TYPE AND RATING INDICATED.

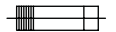
ATTENTION



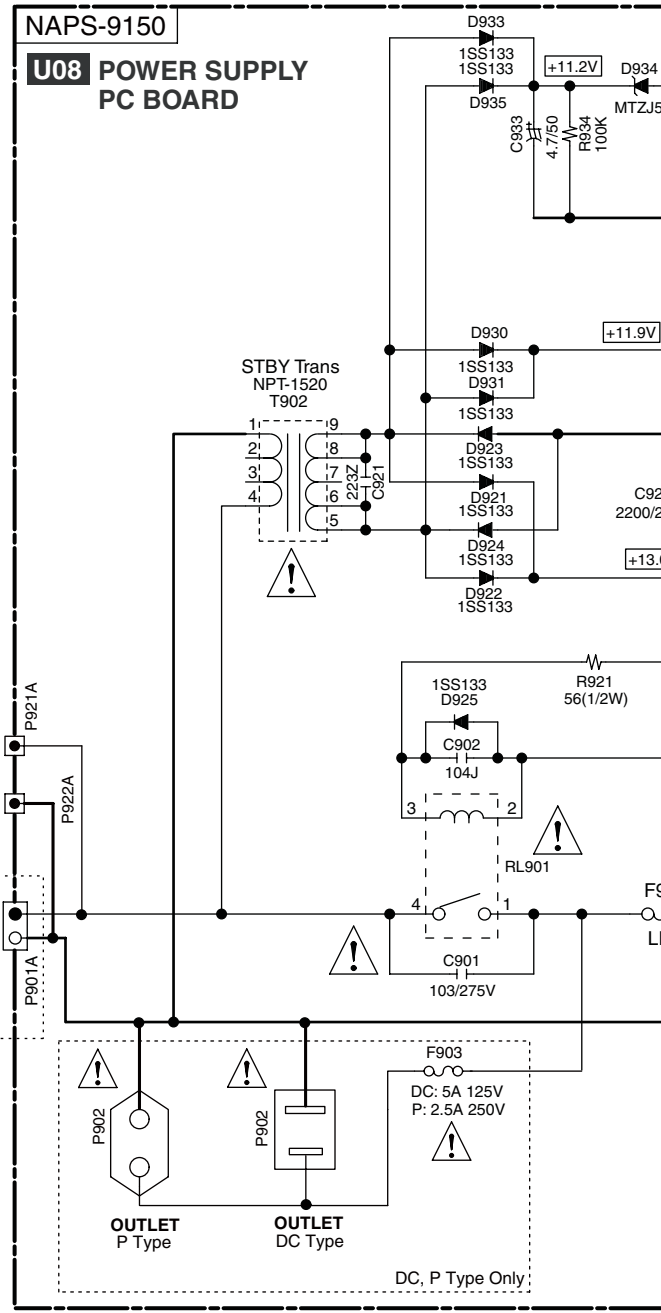
AFIN D'ASSURER UNE PROTECTION PERMANENTE CONTRE LES RISQUES D'INCENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE ET CALIBRATION COMME INDIQUE.



THIS SYMBOL LOCATED NEAR THE FUSE INDICATES THAT THE FUSE USED IS SLOW OPERATING TYPE FOR CONTINUED PROTECTION AGAINST FIRE FUSE HAZARD, REPLACE WITH SAME TYPE FUSE. FOR FUSE RATING REFER TO THE MAKING ADJACENT TO THE SYMBOL.



CE SYMBOLE INDIQUE QUE LE FUSIBLE UTILISE EST A LENT, E POUR UNE PROTECTION PERMANENTE, N'UTILISER QUE DES FUSIBLES DE MEME TYPE. CE DARNIER EST INDIQUE LA QU LE PRESENT SYMBOLE EST APPOSE.



STBY Trans T902

| Type | Rating |
|---------------------|------------|
| DC, DT | NPT-1520JQ |
| P, A | NPT-1520GQ |
| O, K, Q, T SA705 | NPT-1520GQ |

Fuse F901

| Type | Rating |
|---------------------|----------|
| DC, DT | 10A 125V |
| P, A | 5A 250V |
| O, K, Q, T SA705 | 5A 250V |

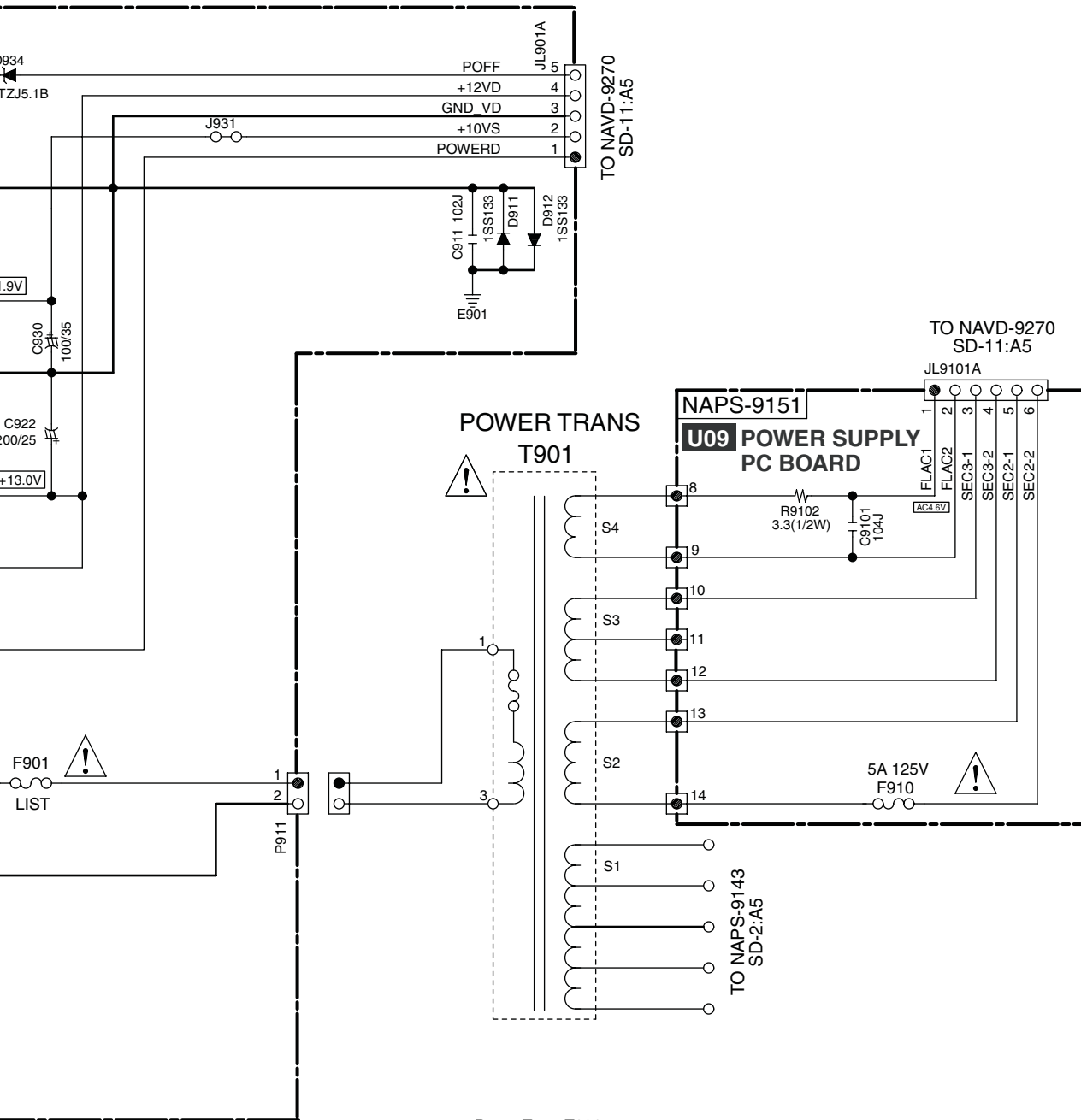
1

2

3

4

5



Power Trans T901

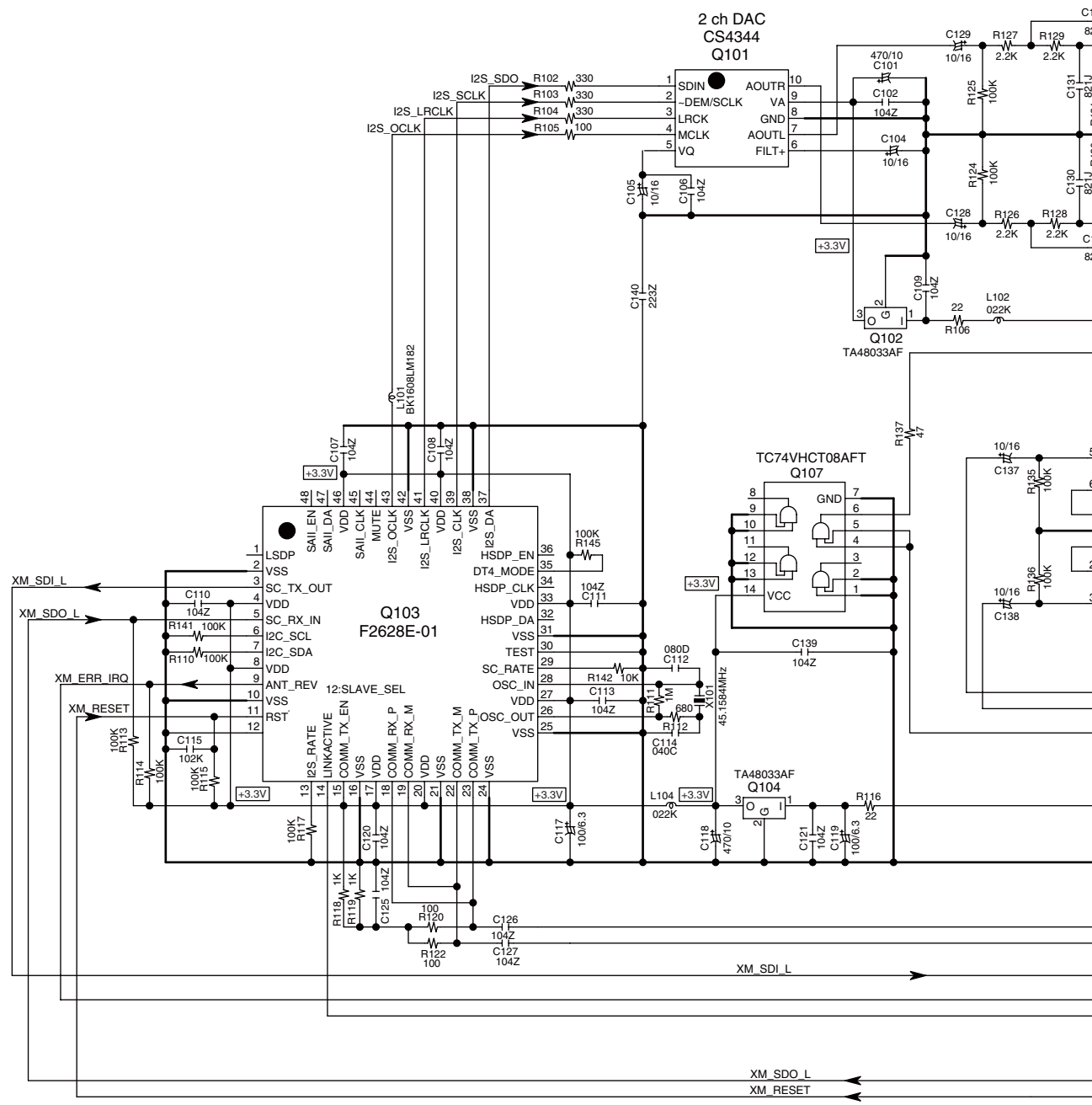
| Type | Rating |
|---------|-----------|
| DC,DT | NPT-1563D |
| P, A | NPT-1563M |
| O,K,Q,T | NPT-1563M |
| TX-SA | |

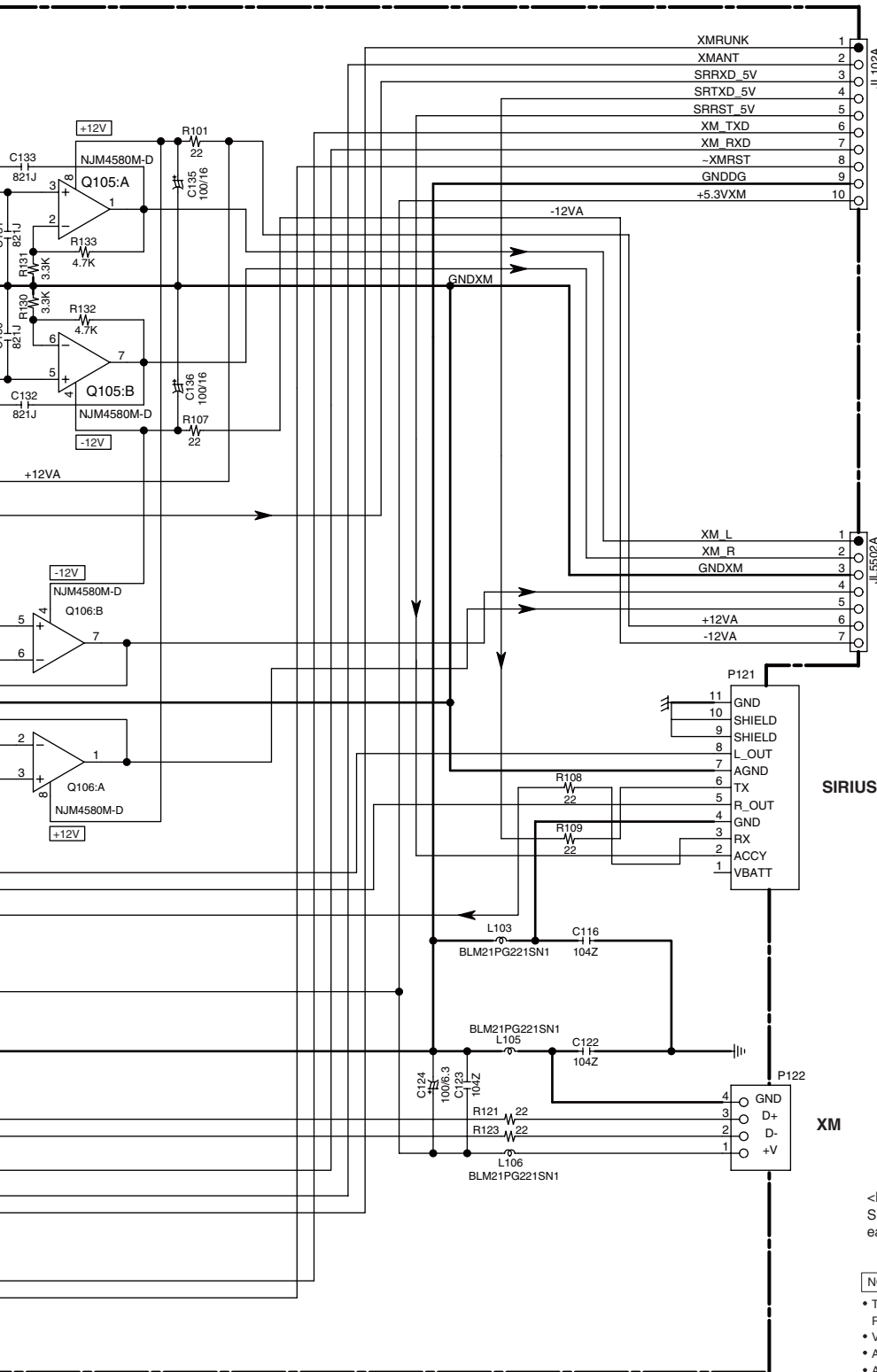
SCHEMATIC DIAGRAMS-14 (SD-14)
XM SECTION

1
2
3
4
5

NARF-9267

U20 XM PC BOARD
DC Type Only





TO NADG-9269
SD-5:F1

TO NAAF-9142(1/2)
SD-1:C1

SIRIUS

XM

<Note>
SD-x:XY is short for Shcematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

NOTE

- THE COMPONENTS IDENTIFIED BY MARK ARE CRITICAL FOR SAFETY. REPLACE ONLY WITH PART NUMBER SPECIFIED.
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- ALL NPN TRANSISTORS ARE EQUIVALENT TO 2SC1815-GR UNLESS OTHERWISE NOTED.
- ALL DIODES ARE EQUIVALENT TO 1SS133 UNLESS OTHERWISE NOTED.
- ELECTROLYTIC CAPACITORS () ARE IN uF/VV.
- ALL CAPACITORS ARE IN pF/50VV UNLESS OTHERWISE NOTED.
EX) 030- 3pF, 330- 33pF, 331- 330pF, 333- 0.033uF
- ALL RESISTORS ARE IN OHMS 1/4WATTS UNLESS OTHERWISE NOTED.
- THE THICK LINES ON PC BOARD ARE THE PRINTING SIDE OF THE PARTS.
EX) PRINTING SIDE
- CIRCUIT IS SUBJECT TO CHANGE FOR IMPROVEMENT.

A

B

C

D

SCHEMATIC DIAGRAMS-15(SD-15)
WAVEFORM SECTION

Digital Audio Waveform Part

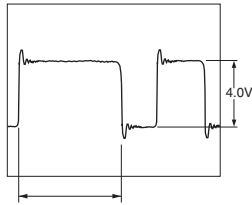
NOTE:

1. (WF01) is short for (Waveform01)
2. Refer to SD-4(SCHEMATIC DIAGRAM-4) for the location of each waveform on circuit.
3. SD-x:XY is short for Shcematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.

LR CLOCK (SAI_LRCK, CX_LRCK)
Fs=48kHz : DVD, Clock width=20.8us
Fs=44.1kHz : CD, Clock width=22.7us

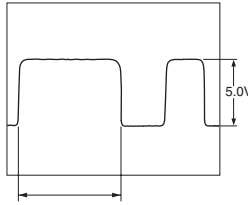
BIT CLOCK (SAI_SLCK, CX_SLCK)
64Fs=3072kHz : DVD, Clock width=325ns
64Fs=2822.4kHz : CD, Clock width=354ns

(WF01) OPT1 (SD-4:B2)



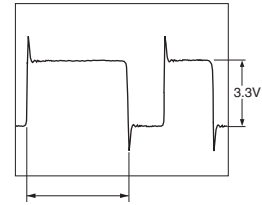
Duty varies according to audio data

(WF02) COAX1 (SD-4:B1)



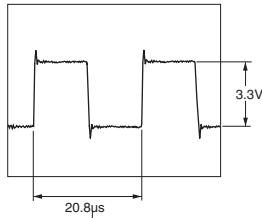
Duty always varies according to audio data

(WF03) SAI_SDOUT (SD-4:D2)

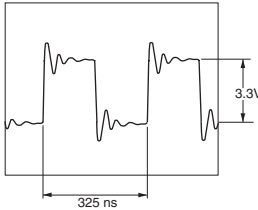


Duty varies according to audio data

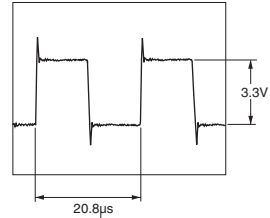
(WF04) SAI_LRCK (SD-4:C2)



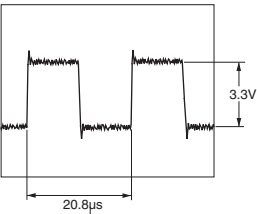
(WF05) SAI_SLCK (SD-4:C2)



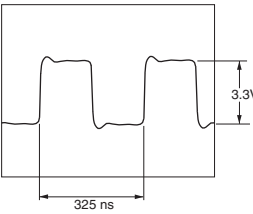
(WF06) CX_SDIN1 (SD-4:C3)



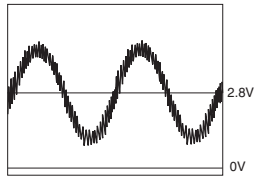
(WF07) CX_LRCK (SD-4:C3)



(WF08) CX_SCLK (SD-4:C3)

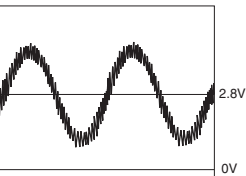


(WF09) DAC_OUT- (SD-4:D3)



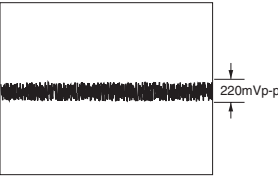
Analog audio waveform with aliasing noise

(WF10) AUDIO_FL (SD-4:G2)



Analog audio waveform with aliasing noise

(WF10) AUDIO_FL (SD-4:G2)



Aliasing noise in no audio data

1

2

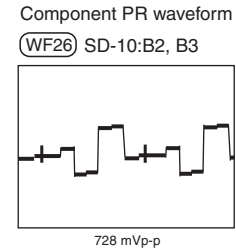
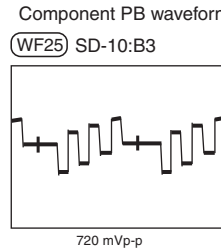
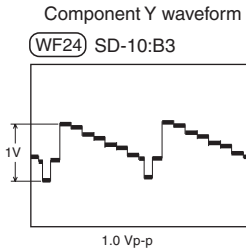
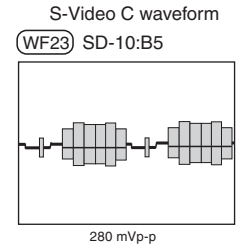
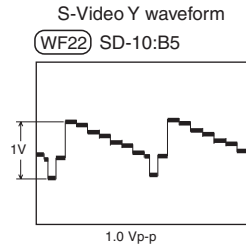
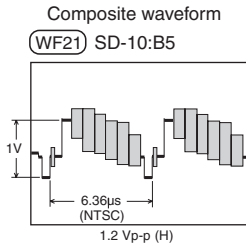
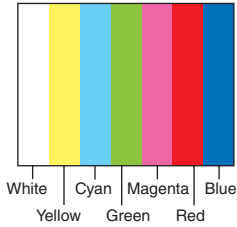
3

4

5

Video Waveform Part

Video source color and pattern

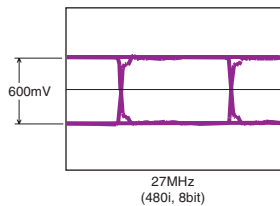
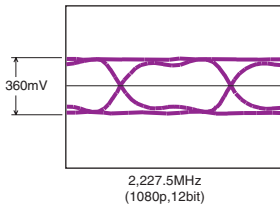


- NOTE:
1. (WF21) is short for (Waveform21)
 2. Refer to SD-10(SCHEMATIC DIAGRAM-10) for the location of each waveform on circuit.
 3. SD-x:XY is short for Shcematic Diagram-x and each socket's location, X=A to H, Y=1 to 5.
 4. In the case that video outputs are not connected to video devices, video signal output levels are doubled.

HDMI Waveform Part

HDMI D0,D1,D2 waveform

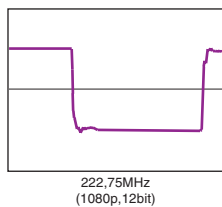
WF41 SD-8:B5, G4



D0,D1,D2 Eye-pattern waveform, frequency and level vary according to video resolution, aspect and profile. Waveforms above are examples.

HDMI CK waveform

WF42 SD-8:B5, G4

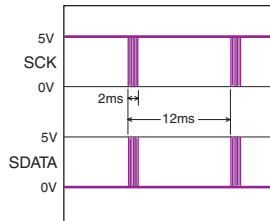


CK waveform, frequency and level differ according to video resolution, aspect and profile. D0,D1,D2 are just CK x10.

FL Driver IC Control Waveform Part

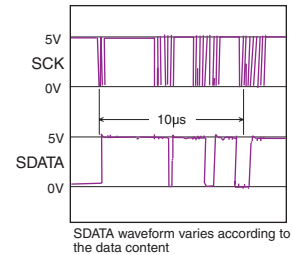
SCK/SDATA waveform

WF61 SD-12:E3



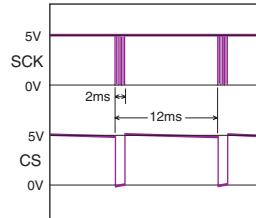
SCK/SDATA waveform

WF61 SD-12:E3



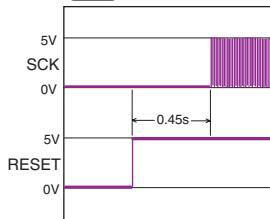
SCK/CS waveform

WF62 SD-12:E3



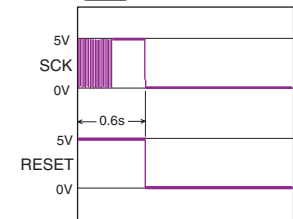
SCK/RESET waveform

WF63 SD-12:E3



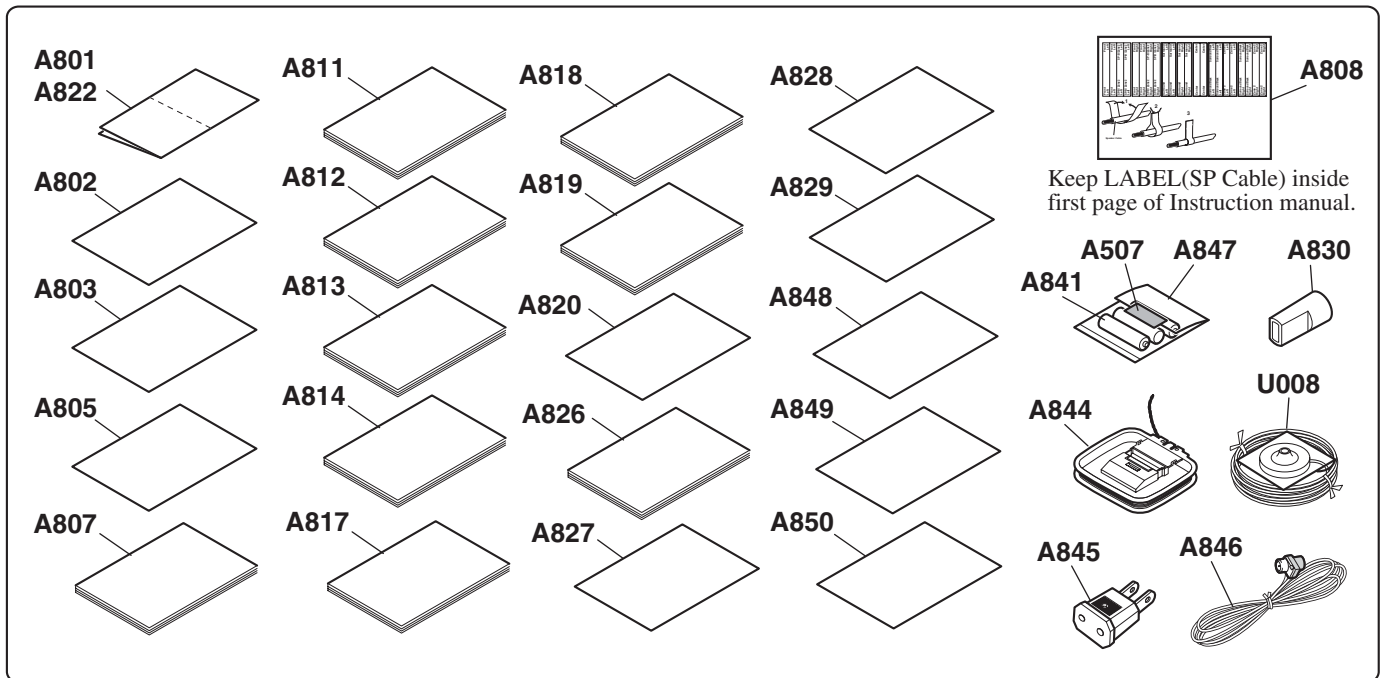
SCK/RESET waveform

WF63 SD-12:E3

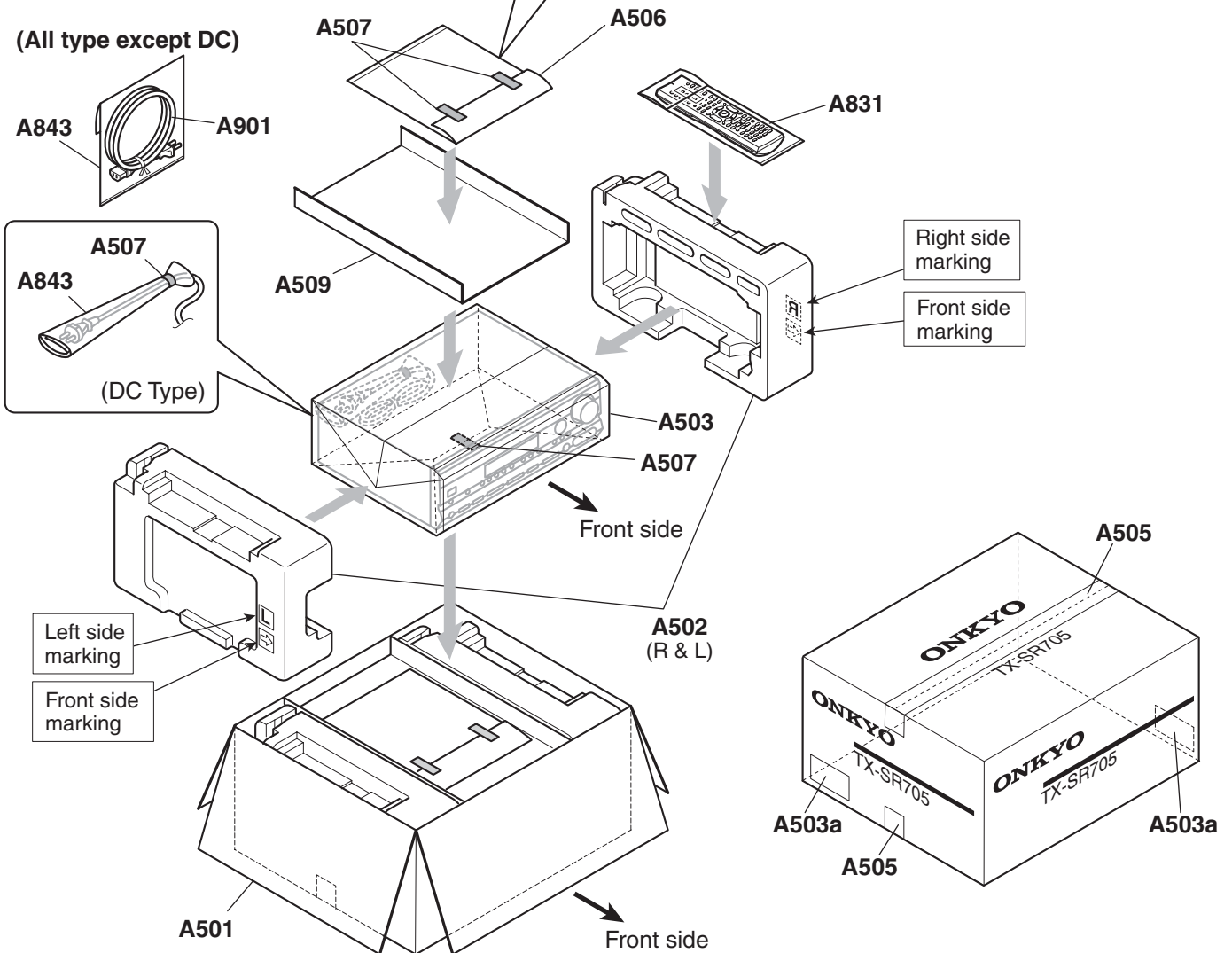


PACKING PROCEDURE-1

All Type Except MP

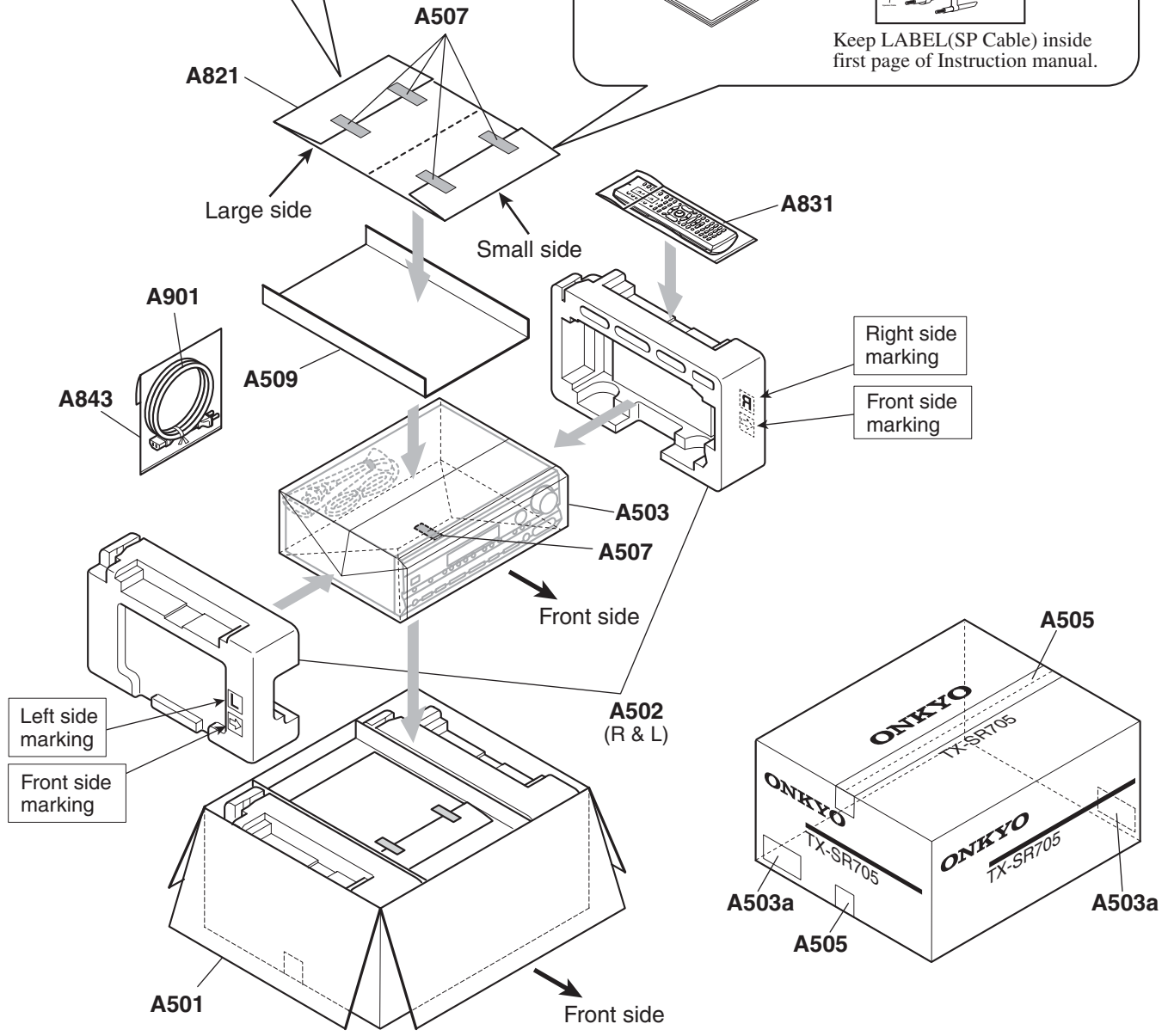
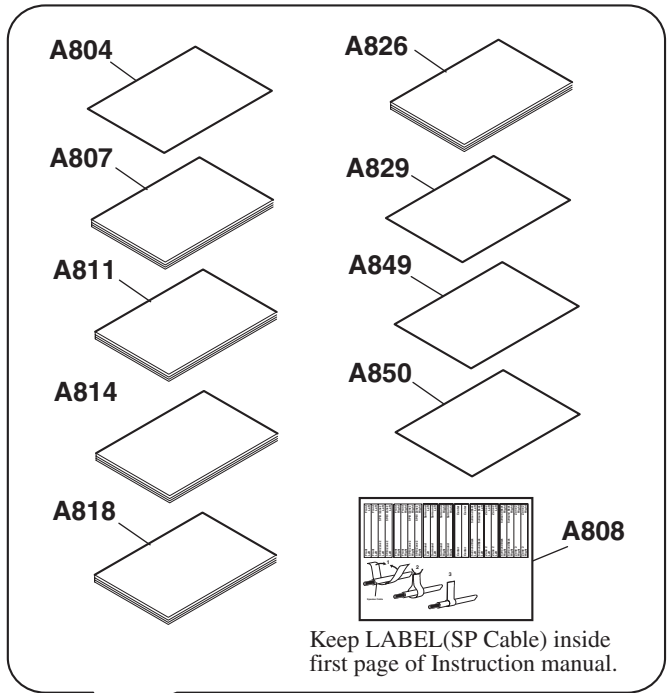
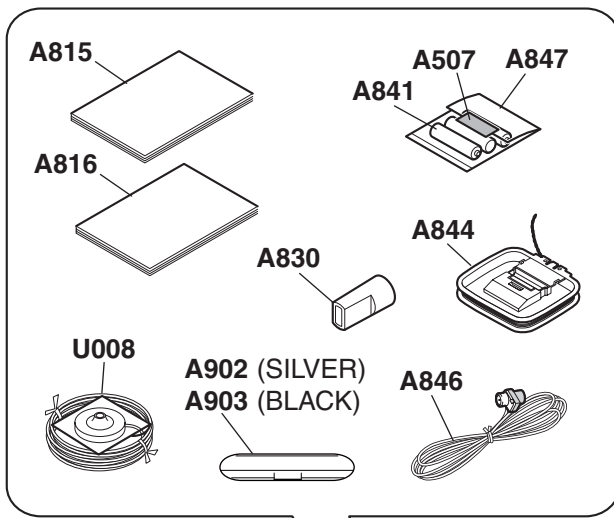


(All type except DC)



PACKING PROCEDURE-2

MP Type Only

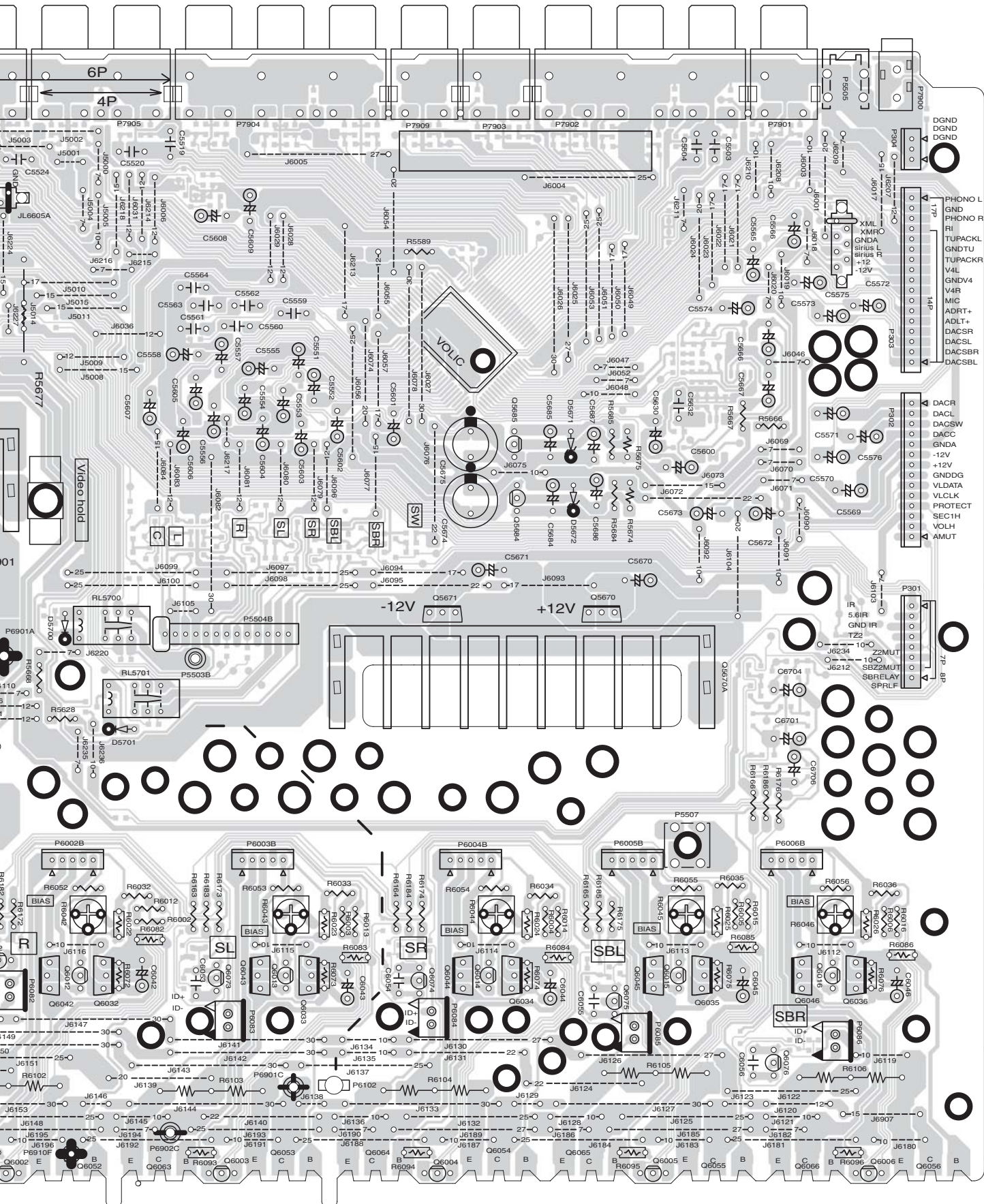


E

F

G

H



- 6P
- 4P
- PHONO L
- PHONO R
- TUPACKL
- GNDTU
- TUPACKR
- V4L
- GNDV4
- V4R
- MIC
- ADLT+
- DACSR
- DACSL
- DACSB
- DACSBL

- DACR
- DACL
- DACSW
- DACC
- GND
- +12V
- GNDDG
- VLDATA
- VLCLK
- PROTECT
- SEC1H
- VOLH
- AMUT

- IR
- 5.6IR
- GND IR
- TZ2
- J6234
- 22MUT
- J6212
- SBZ2MUT
- SBRELAY
- SPRLF

- 7P
- BP

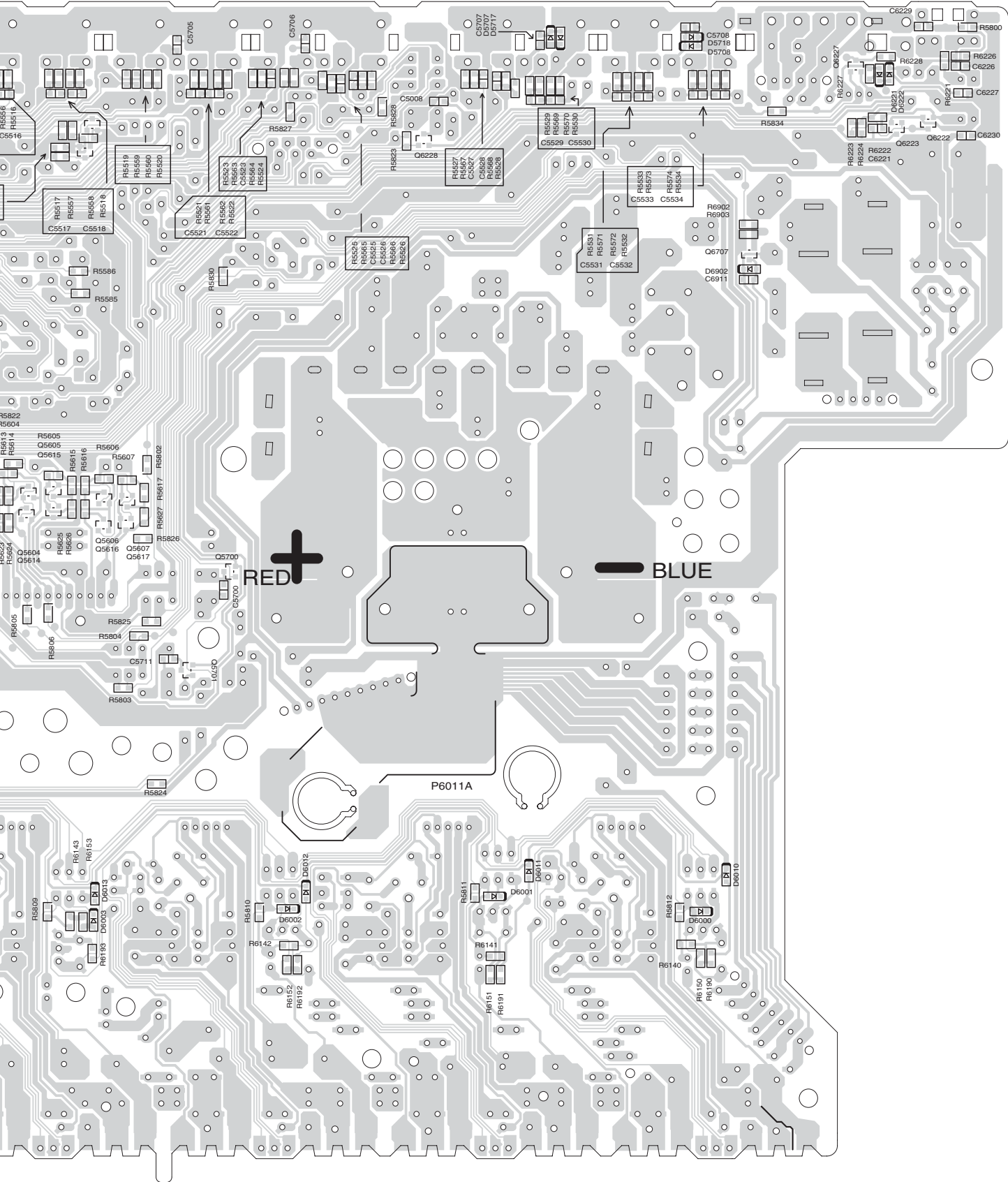
- P6002B
- P6003B
- P6004B
- P6005B
- P6006B

E

F

G

H



A

B

C

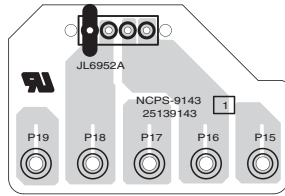
D

PRINTED CIRCUIT BOARD VIEWS-3

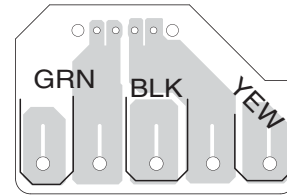
1

U02 POWER SUPPLY PC BOARD (NAPS-9143)

Component side



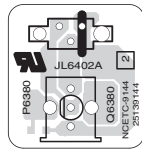
Soldering side



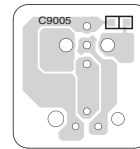
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U03 THERMAL SENSOR PC BOARD (NAETC-9144)

Component side



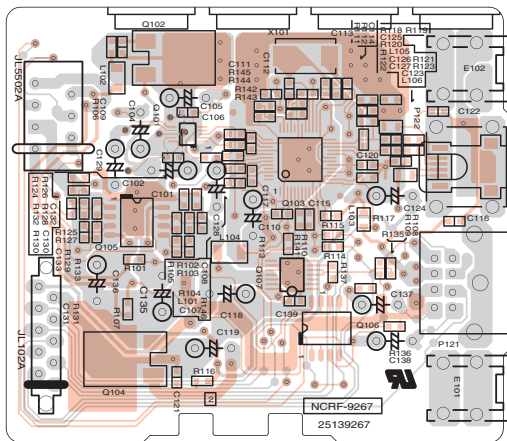
Soldering side



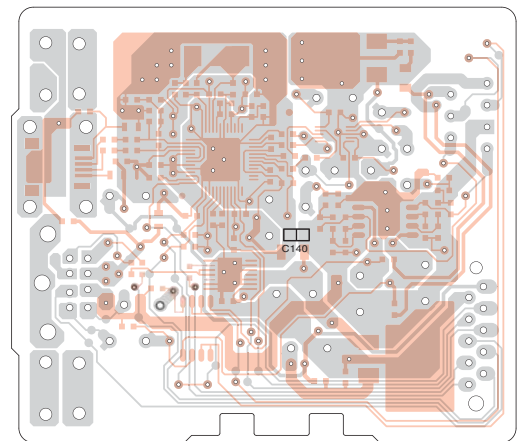
3

U20 XM PC BOARD (NARF-9267)

Component side



Soldering side



4

5

A

B

C

D

PRINTED CIRCUIT BOARD VIEWS-4

U06 DISPLAY PC BOARD (NADIS-9148)

Component side

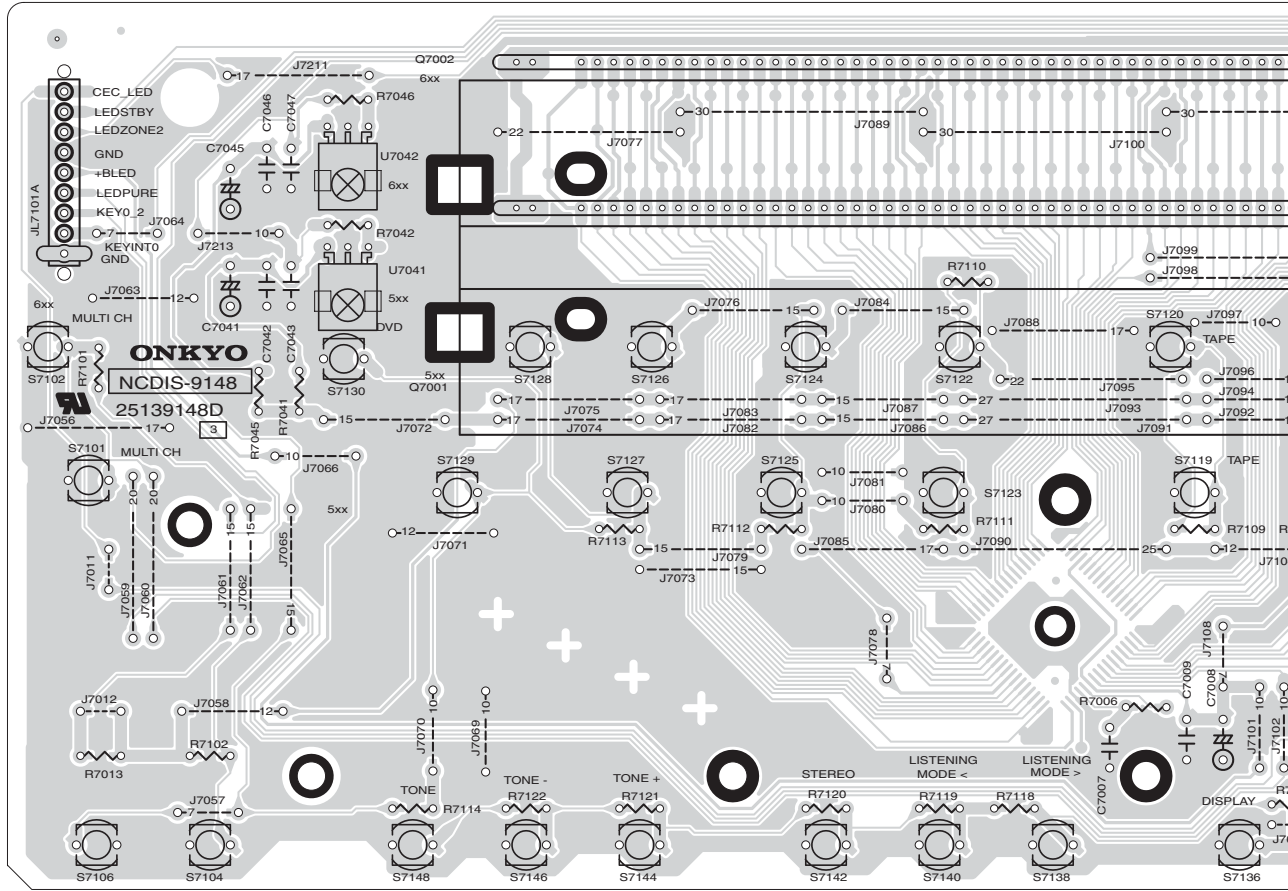
1

2

3

4

5



A

B

C

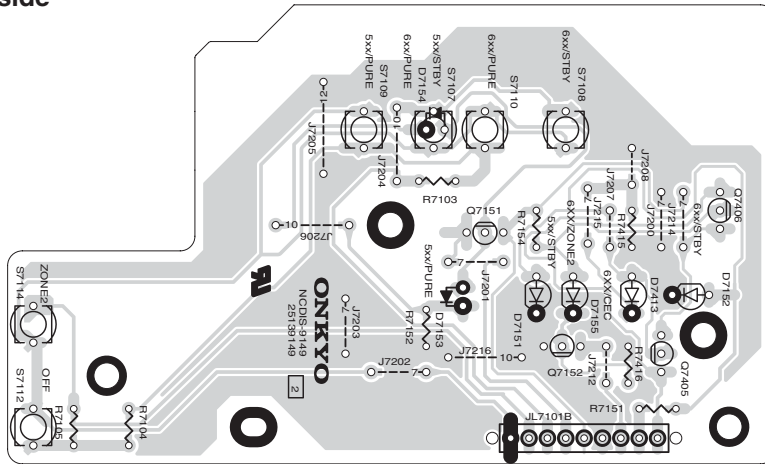
D

PRINTED CIRCUIT BOARD VIEWS-5

1

U07 DISPLAY PC BOARD (NADIS-9149)

Component side

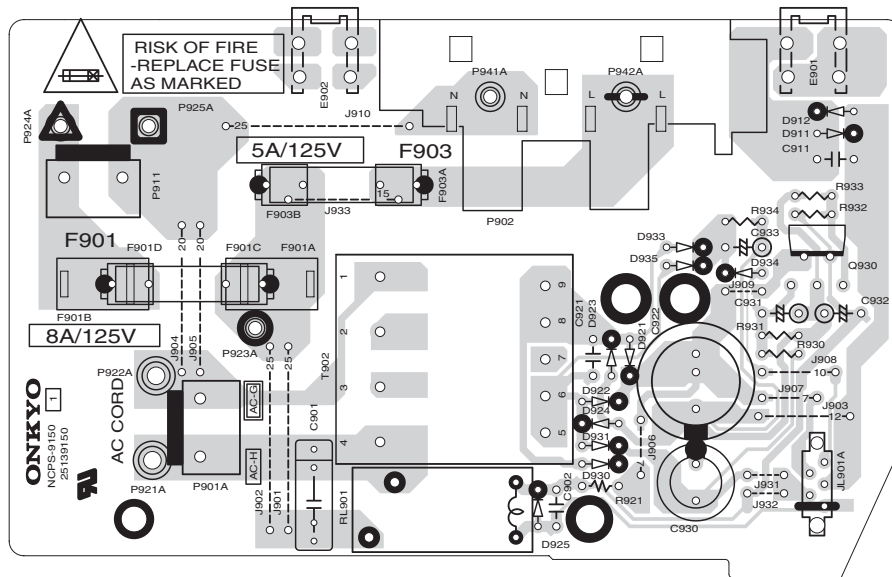


2

3

U08 POWER SUPPLY PC BOARD (NAPS-9150)

Component side



4

5

A

B

C

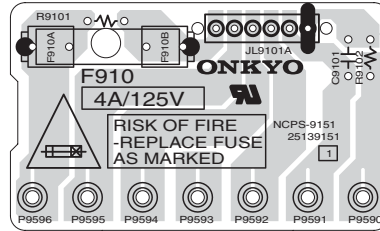
D

PRINTED CIRCUIT BOARD VIEWS-6

1

U09 POWER SUPPLY PC BOARD (NAPS-9151)

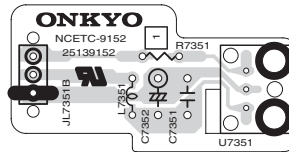
Component side



2

U10 FRONT OPT PC BOARD (NAETC-9152)

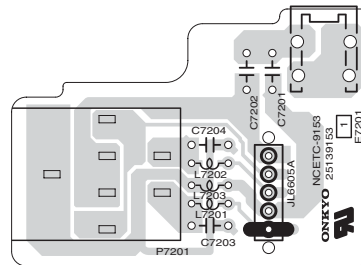
Component side



3

U11 HEADPHONE JACK PC BOARD (NAETC-9153)

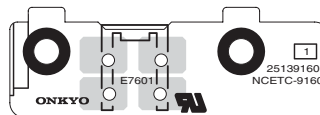
Component side



4

U15 HOLDER PC BOARD (NAETC-9160)

Component side



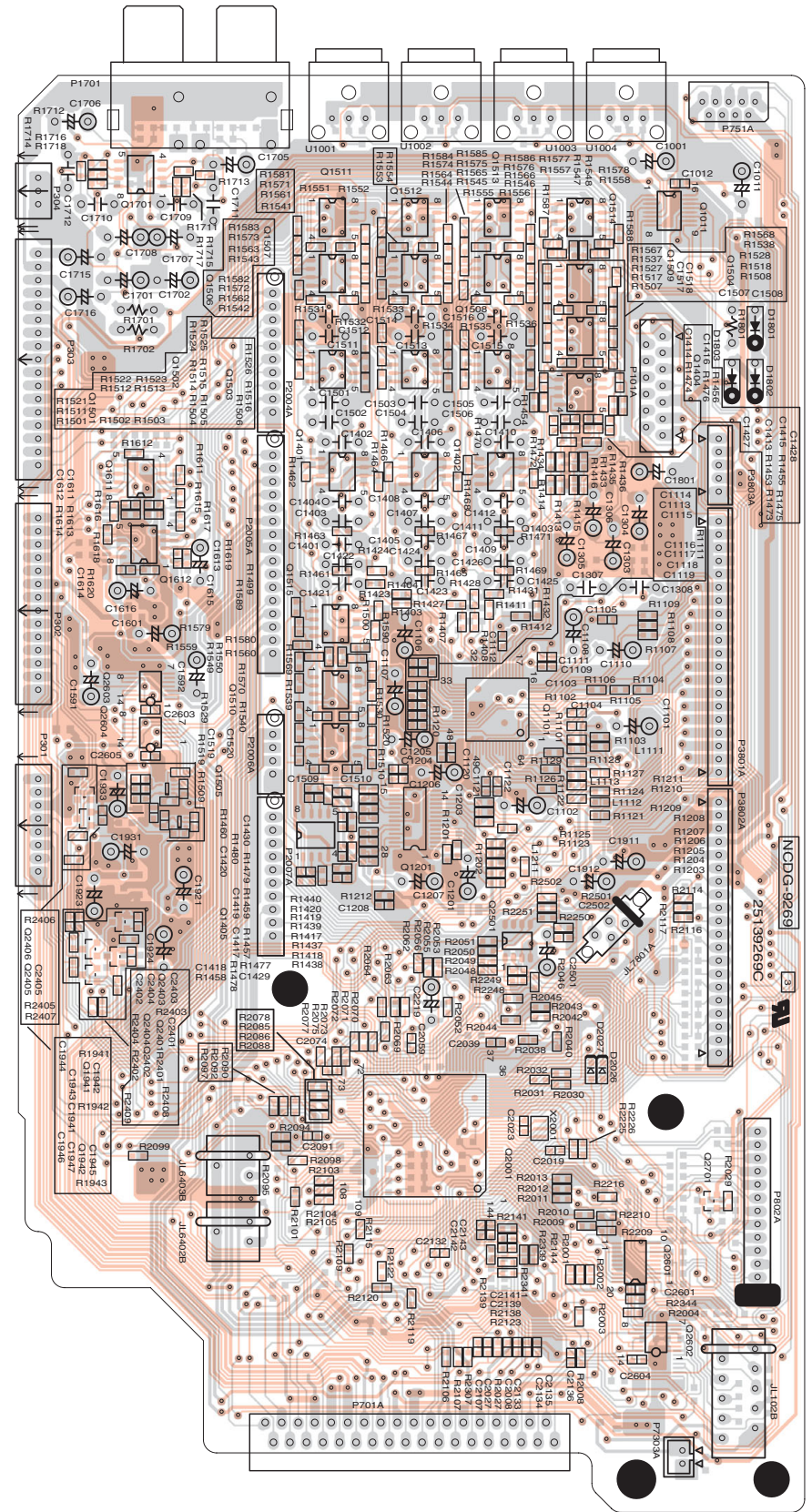
5

PRINTED CIRCUIT BOARD VIEWS-7

U17 DAC AND MICROPROCESSOR PC BOARD (NADG-9269)

Side-A

1
2
3
4
5



A

B

C

D

PRINTED CIRCUIT BOARD VIEWS-8

U17 DAC AND MICROPROCESSOR PC BOARD (NADG-9269)

Side-B

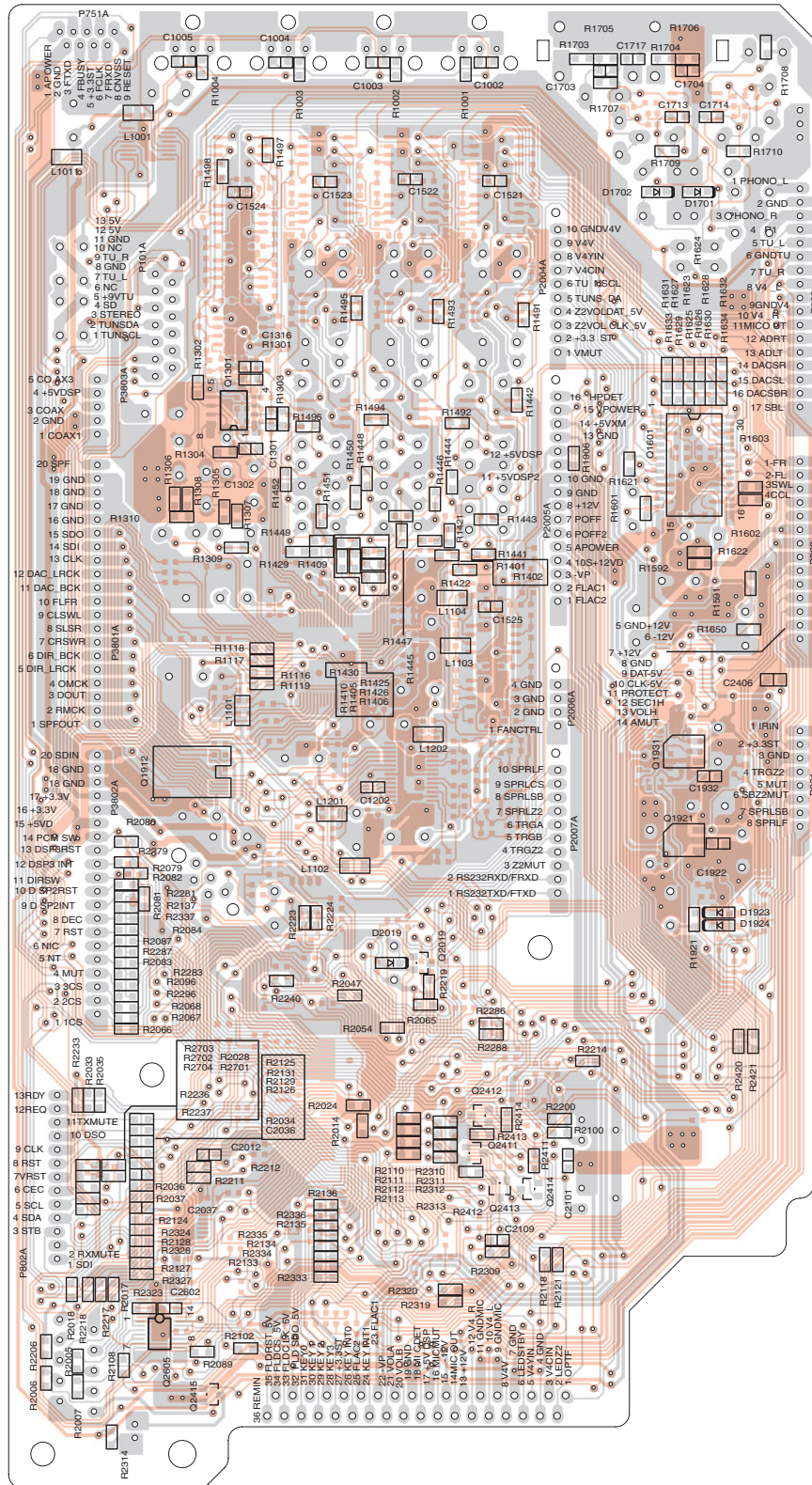
1

2

3

4

5

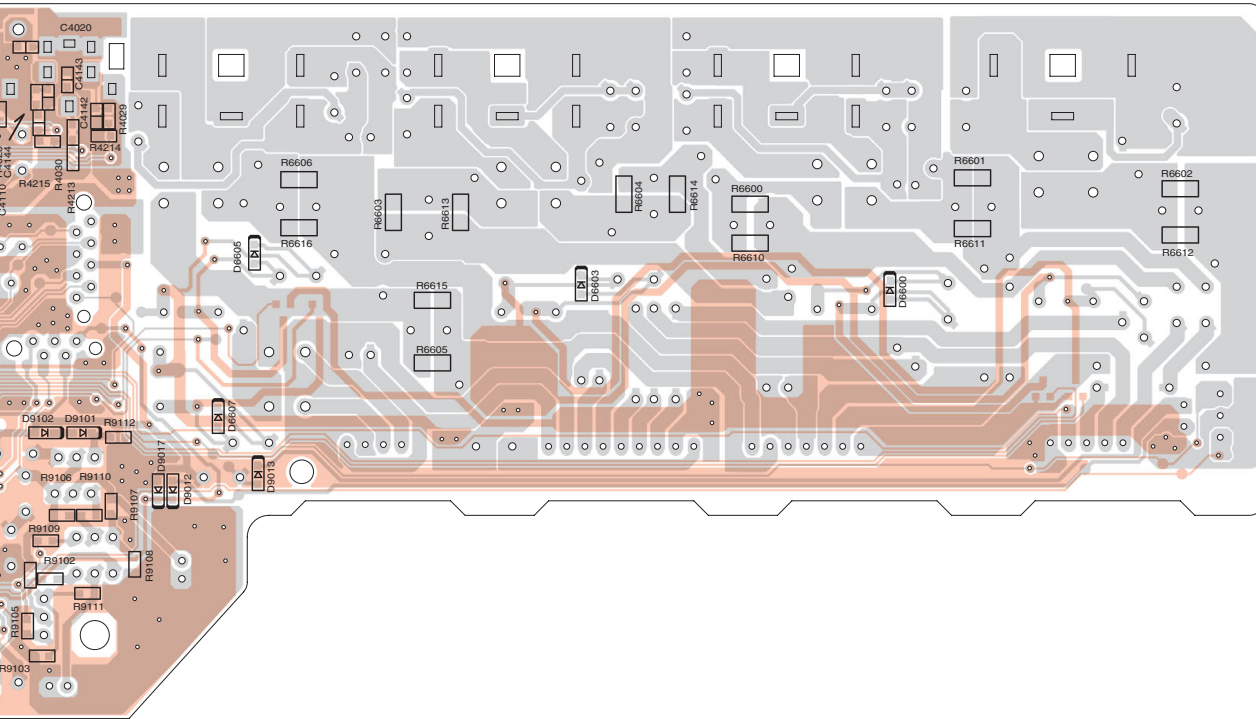


E

F

G

H



A

B

C

D

PRINTED CIRCUIT BOARD VIEWS-11

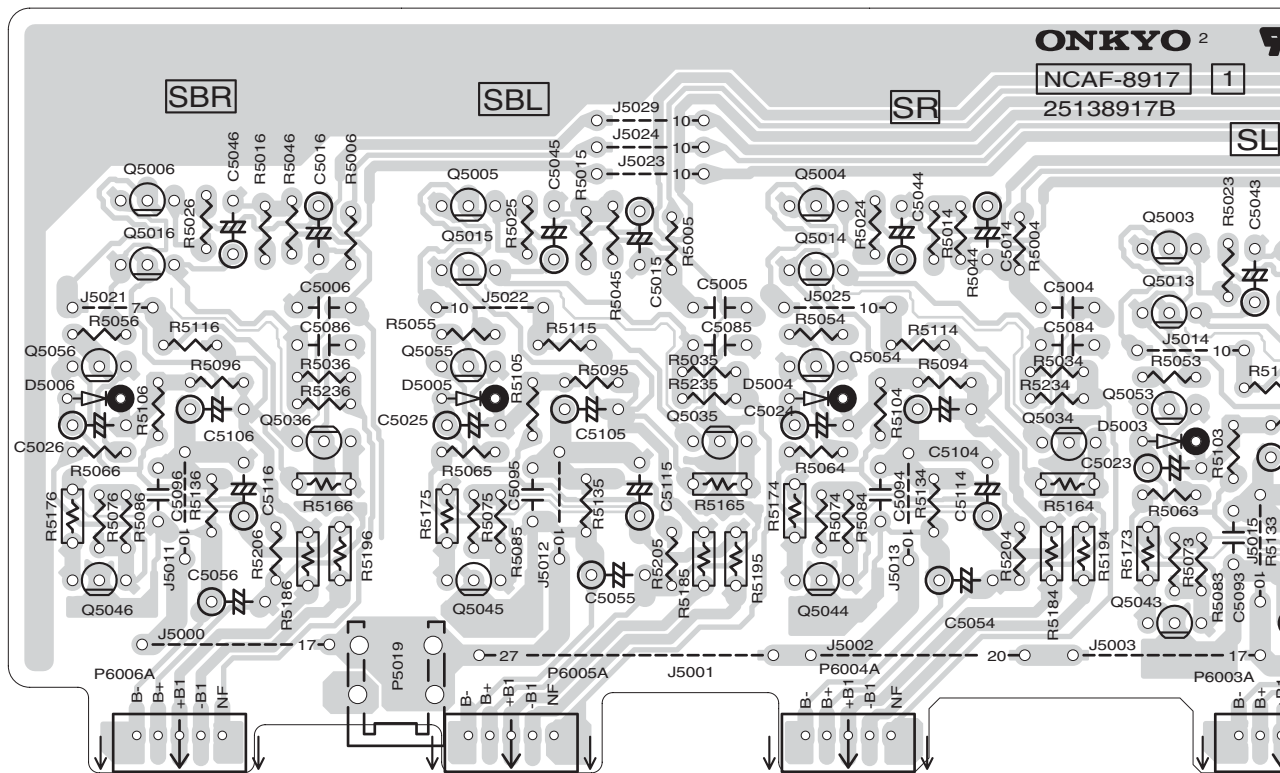
U22 DRIVER AMPLIFIER PC BOARD (NAAF-8917)

Component side

1

2

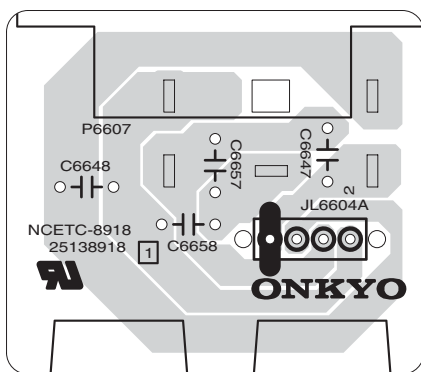
3



U23 SPEAKER TERMINAL PC BOARD (NAETC-8918)

Component side

4



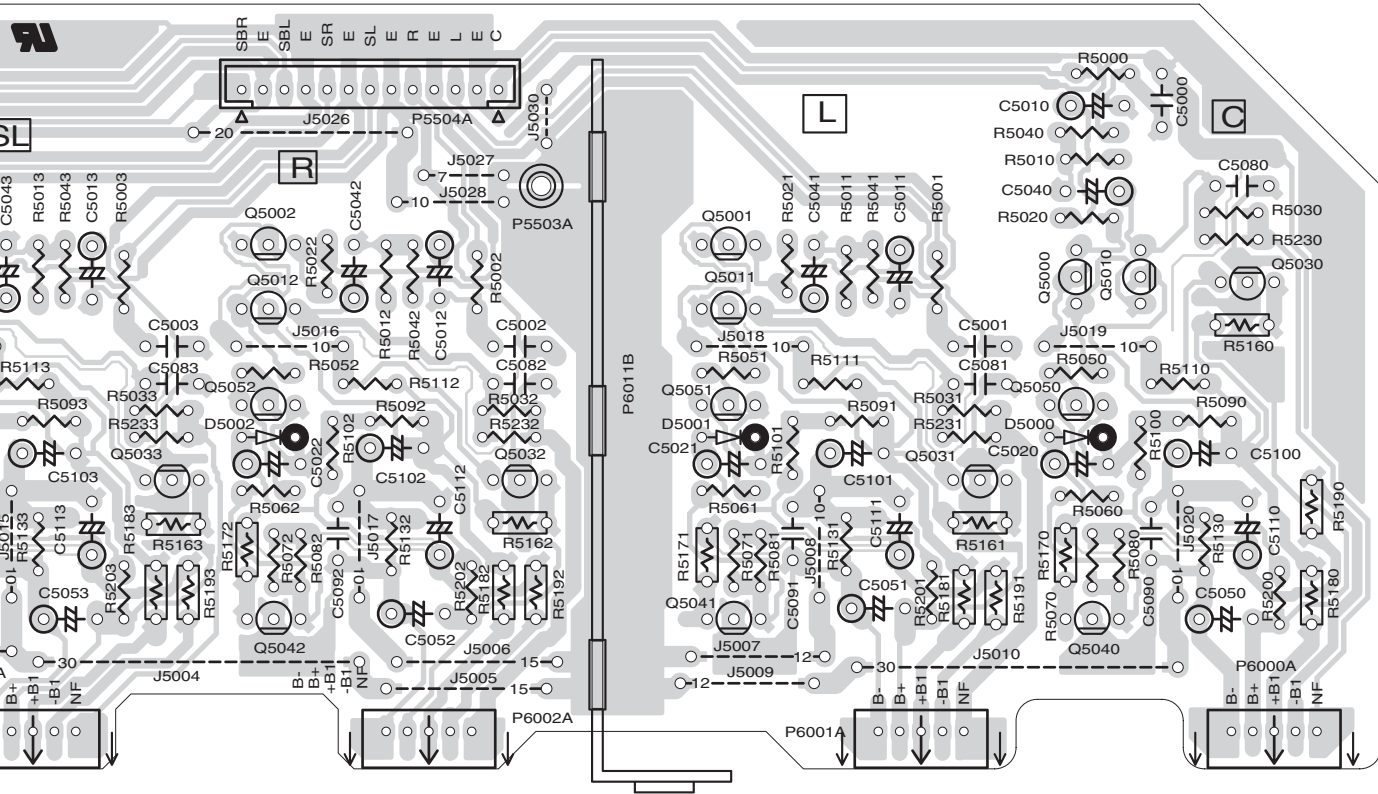
5

E

F

G

H



A

B

C

D

PRINTED CIRCUIT BOARD VIEWS-13

U24 DSP AND HDMI PC BOARD (NAHDM-9265)

Side-B

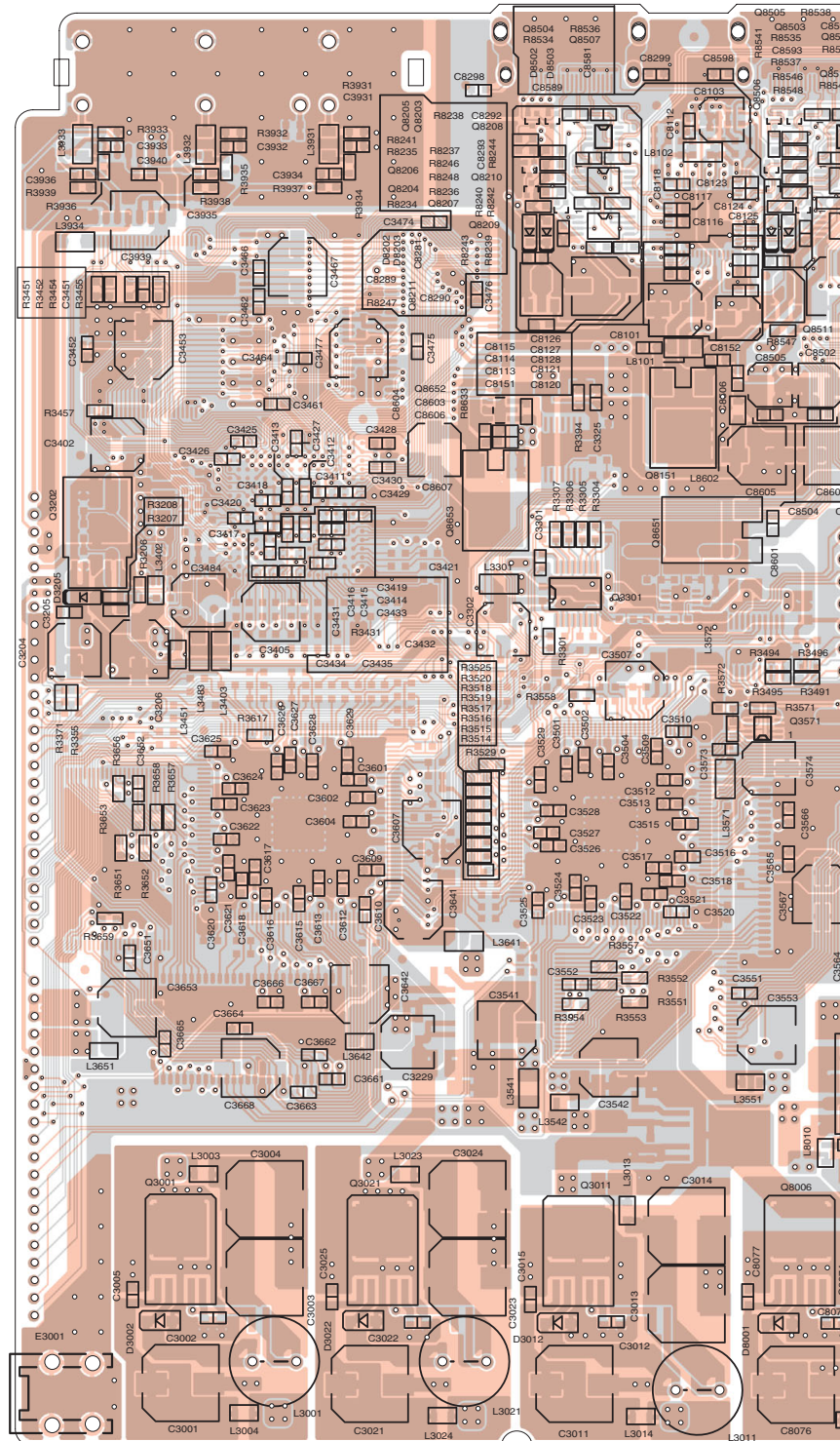
1

2

3

4

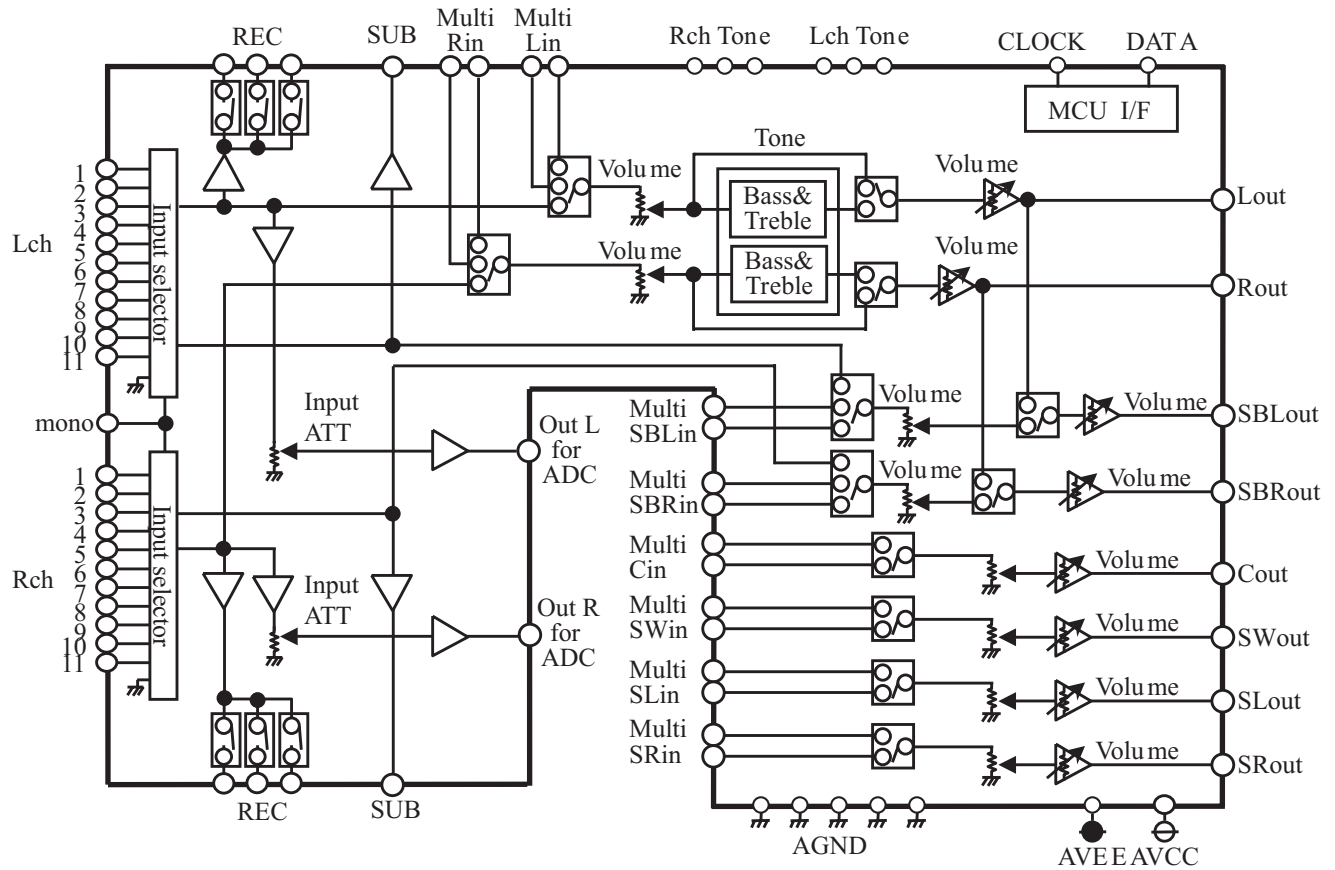
5



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -1

Q5501: R2S15211FP (8 ch Electronic Volume, 11 Input Selector and Tone Control)

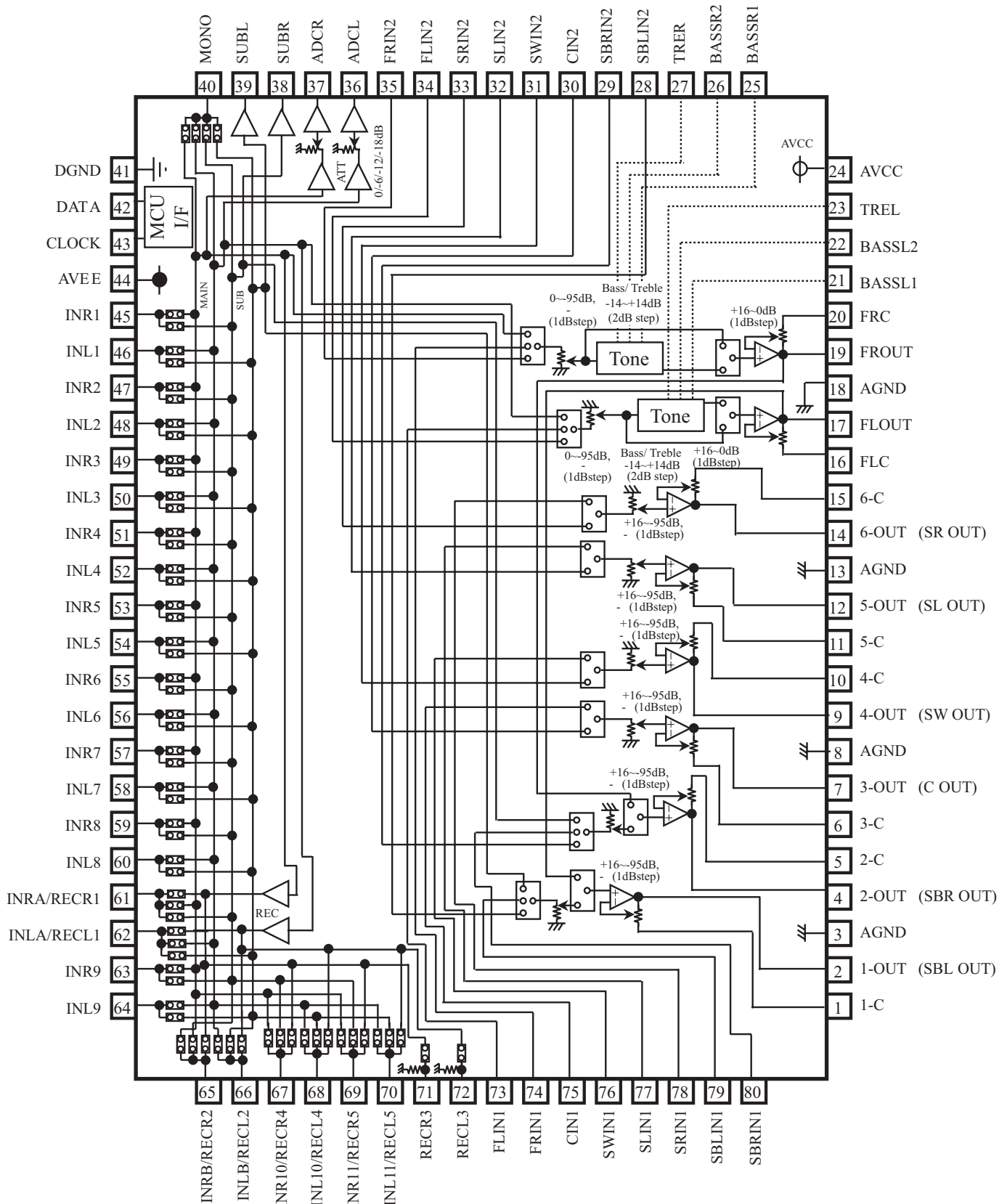
SYSTEM BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -2

Q5501: R2S15211FP (8 ch Electronic Volume, 11 Input Selector and Tone Control)

BLOCK DIAGRAM AND PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -3

Q5501: R2S15211FP (8 ch Electronic Volume, 11 Input Selector and Tone Control)

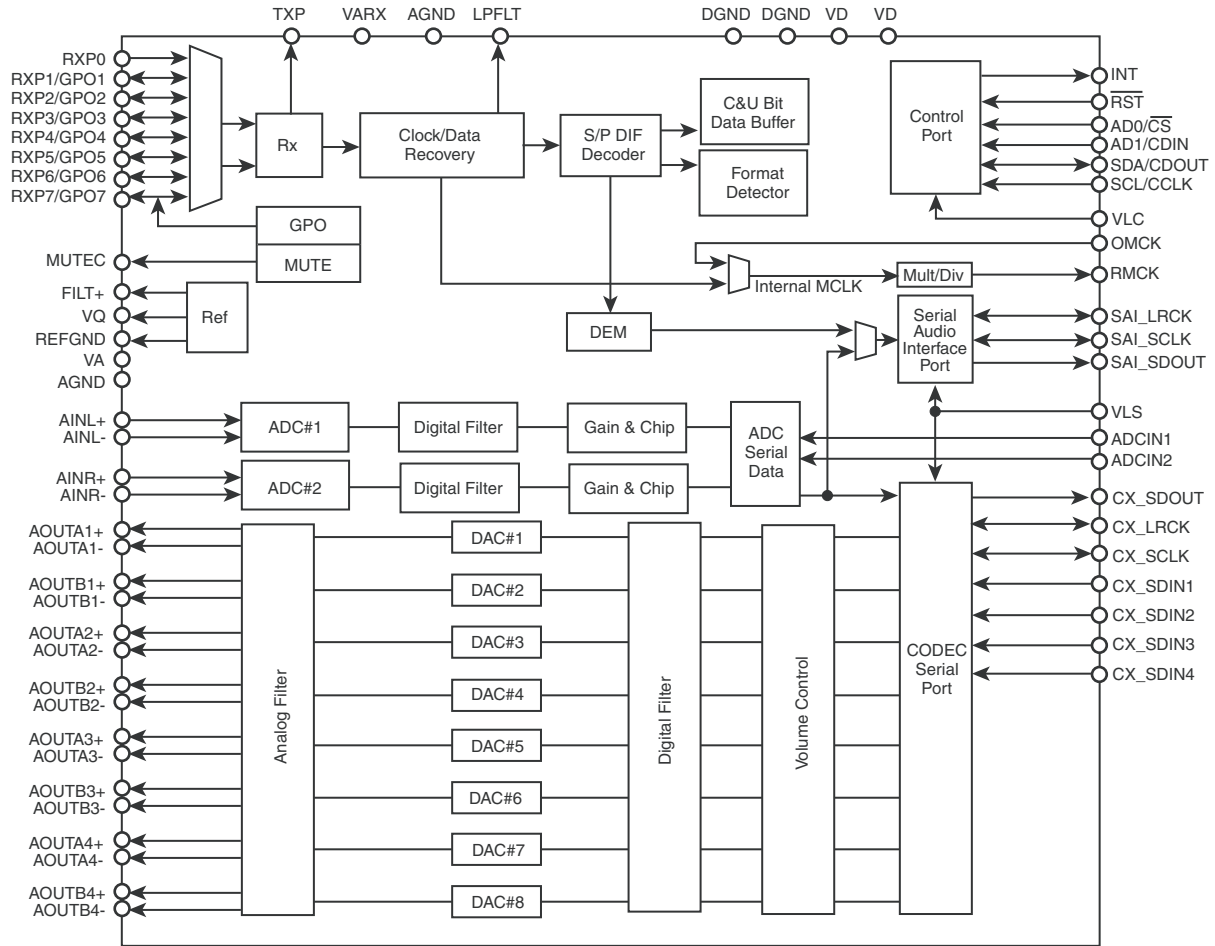
TERMINAL DESCRIPTION

| PIN No. | Name | Function |
|-------------------------------------|---|---|
| 19,17, 14,12, 9,7, 4,2 | FROUT,FLOUT, 6-OUT,5-OUT, 4-OUT, 3-OUT, 2-OUT,1-OUT | Output pin of FL/FR/C/SW/SL/SR/SBL/SBR channel |
| 20,16, 15,11, 10,6, 5,1 | FRC,FLC, 6-C,5-C, 4-C,3-C, 2-C,1-C | Connects capacitor for reducing click noise of L/R/C/SW/SL/SR/SBL/SBR channel volume |
| 3,8, 13,18 | AGND | Analog ground of internal circuit |
| 23,27 | TREL, TRER | Frequency characteristic setting pin of L/R channel tone control (Treble) |
| 21,22, 25,26 | BASSL1,BASSL2 BASSR1,BASSR2 | Frequency characteristic setting pin of L/R channel tone control (Bass) |
| 24 | AVCC | Positive power supply to internal circuit |
| 35,34, 33,32, 31,30, 29,28 | FRIN2, FLIN2, SRN2,SLIN2, SWIN2,CIN2, SBRIN2,SBLIN2 | Input pin of L/R/C/SW/SL/SR/SBL/SBR channel (Multi IN 1/2) |
| 73,74, 75,76, 77,78, 79,80 | FLIN1, FRIN1, CIN1,SWIN1, SLIN1,SRIN1, SBLIN1,SBRIN1 | |
| 41 | DGND | Digital ground of internal circuit |
| 42 | DATA | Input pin of control data |
| 43 | CLOCK | Input pin of control clock |
| 44 | AVEE | Negative power supply to internal circuit |
| 46,48,50, 52,54,56, 58,60,64 | INL1,INL2, INL3, INL4,INL5,INL6, INL7,INL8,INL9 | Input pin of L/R channel (Input Selector) |
| 45,47,49, 51,53,55, 57,59,63 | INR1,INR2, INR3, INR4,INR5,INR6, INR7,INR8,INR9 | |
| 40 | MONO | Input pin of monaural (Input Selector) |
| 38,39 | SUBL,SUBR | Output pin for L/R channel SUB Output |
| 36,37 | ADCL, ADCR | Output pin for L/R channel ADC |
| 72 | RECL3 | Output pin for L/R channel REC Output |
| 71 | RECR3 | |
| 61,62, 65,66, 67,68, 69,70 | INRA/RECR1,INLA/RECL1, INRB/RECR2,INLB/RECL2, INR10/RECR4,INL10/RECL4, INR11/RECR5,INL11/RECL5 | Input pin of L/R channel (Input Selector)/ Output pin for L/R channel REC Output |

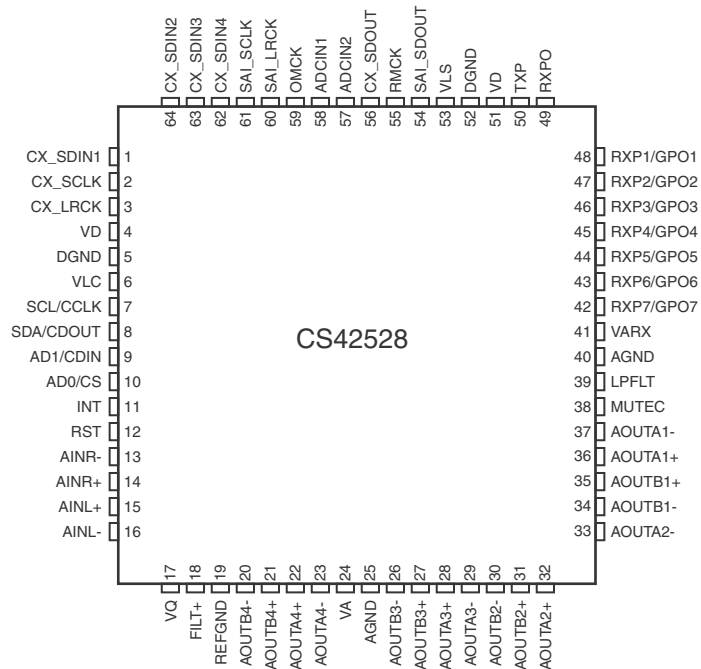
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -4

Q1101: CS42528(8 ch CODEC with S/PDIF Receiver)

BLOCK DIAGRAM



PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -5

Q1101: CS42528(8 ch CODEC with S/PDIF Receiver)

TERMINAL DESCRIPTION (1/2)

| Pin Name | # | Pin Description |
|--|--|--|
| CX_SDIN1 | 1 | Codec Serial Audio Data Input (Input) - Input for two's complement serial audio data. |
| CX_SDIN2 | 64 | |
| CX_SDIN3 | 63 | |
| CX_SDIN4 | 62 | |
| CX_SCLK | 2 | CODEC Serial Clock (Input/Output) - Serial clock for the CODEC serial audio interface |
| CX_LRCK | 3 | CODEC Left Right Clock (Input/ Output) - Determines which channel, Left or Right, is currently active on the CODEC serial audio data line. |
| VD | 4 51 | Digital Power (Input) - Positive power supply for the digital section. |
| DGND | 5 52 | Digital Ground (Input) - Ground reference. Connects to digital ground. |
| VLC | 6 | Control Port Power (Input) - Determines the required signal level for the control port. |
| SCL/CCLK | 7 | Serial Control Port Clock (Input) - Serial clock for the serial control port. |
| SDA/CDOUT | 8 | Serial Control Data (Input/Output) - SDA is a data I/O line in IC mode and requires an external pull-up resistor to the logic interface voltage. CDOUT is the output data line for the control port interface in SPI mode. |
| AD1/CDIN | 9 | Address Bit 1 (I ² C)/Serial Control Data (SPI) (Input) - AD1 a chip address pin in I ² C mode; CDIN is the input data line for control port interface in SPI mode. |
| AD0/ $\overline{\text{CS}}$ | 10 | Address Bit 0 (I ² C)/Control Port Chip Select (SPI) (Input) - AD0 is a chip address pin in I ² C mode; CS is the chip select signal in SPI mode. |
| INT | 11 | Interrupt (Output) - The CS42528 will generate an interrupt condition as per the Interrupt Mask register. |
| $\overline{\text{RST}}$ | 12 | Reset (Input) - The device enters a low power mode and all internal registers are reset to their default settings when low. |
| AINR- AINR+ | 13 14 | Differential right Channel Analog Input (Input) - Signals are presented differentially to the delta-sigma modulators via the AINR+/- pins. |
| AINL- AINL+ | 15 16 | Differential right Channel Analog Input (Input) - Signals are presented differentially to the delta-sigma modulators via the AINR+/- pins. |
| VQ | 17 | Quiescent Voltage (Output) - Filter connection for internal quiescent reference voltage. |
| FILT+ | 18 | Positive Voltage Reference (Output) - Positive reference voltage for the internal sampling circuits. |
| REFGND | 19 | Reference Ground (Input) - Ground reference for the internal sampling circuits. |
| AOUTA1 +, - AOUTB1 +, - AOUTA2 +, - AOUTB2 +, - AOUTA3 +, - AOUTB3 +, - AOUTA4 +, - AOUTB4 +, - | 36, 37 35, 34 32, 33 31, 30 28, 29 27, 26 22, 23 21, 20 | Differential Analog Output (Output) - The full-scale differential analog output level is specified in the Analog Characteristics specification table. |
| VA VARX | 24 41 | Analog Power (Input) - Positive power supply for the analog section. |
| AGND | 25 40 | Analog Ground (Input) - Ground reference. Connectes to analog ground. |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -6

Q1101: CS42528(8 ch CODEC with S/PDIF Receiver)

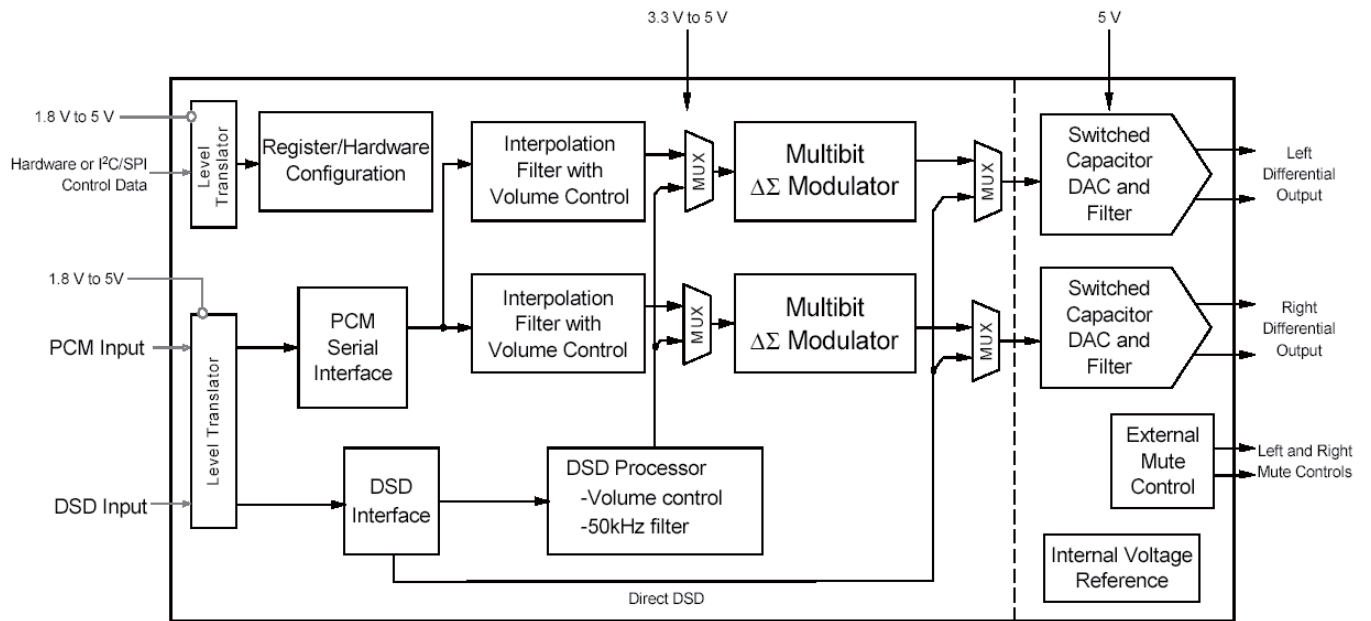
TERMINAL DESCRIPTION (2/2)

| Pin Name | # | Pin Description |
|-----------|----------|--|
| VA | 24 | Analog Power (Input) - Positive power supply for the analog section. |
| VARX | 41 | |
| AGND | 25 40 | Analog Ground (Input) - Ground reference. Connects to analog ground. |
| MUTEC | 38 | Mute Control (Output) - The Mute Control pin outputs high impedance following an initial power -on condition or whenever the PDN bit is set to a "1", forcing the codec into power -down mode. The signal will remain in a high impedance state as long as the part is in power-down mode. The Mute Control pin goes to the selected "active" state during reset, muting, or if the master clock to left/right clock frequency ratio is incorrect. This pin is intended to be used as a control for external mute circuits to prevent the clicks and pops that can occur in any single supply system. The use of external mute circuits are not mandatory but may be desired for designs requiring the absolute minimum in extraneous clicks and pops. |
| LPFLT | 39 | PLL Loop Filter (Output) - An RC network should be connected between this pin and ground. |
| RXP7/GPO7 | 42 | S/PDIF Receiver Input/ General Purpose Output (Input/ Output) - Receiver inputs for S/PDIF encoded data. The CS42528 has an internal 8:2 multiplexer to select the active receiver port, according to the Receiver Mode Control 2 register. These pins can also be configured as general purpose output pins, ADC Overflow indicators or Mute Control outputs according to the RXP/General Purpose Pin Control registers. |
| RXP6/GPO6 | 43 | |
| RXP5/GPO5 | 44 | |
| RXP4/GPO4 | 45 | |
| RXP3/GPO3 | 46 | |
| RXP2/GPO2 | 47 | |
| RXP1/GPO1 | 48 | |
| RXP0 | 49 | S/PDIF Receiver Input (Input) - Dedicated receiver input for S/PDIF encoded data. |
| TXP | 50 | S/PDIF Transmitter Output (Output) - S/PDIF encoded data output, mapped directly from one of the receiver inputs as indicated by the Receiver Mode Control 2 register. |
| VLP | 53 | Serial Port Interface Power (Input) - Determines the required signal level for the serial port interfaces. |
| SAI_SDOUT | 54 | Serial Audio Interface Serial Data Output (Output) - Output for two's complement serial audio PCM data from the S/PDIF incoming stream. This pin can also be configured to transmit the output of the internal and external ADCs. |
| RMCK | 55 | Recovered Master Clock (Output) - Recovered master clock output from the External Clock Reference |
| CX_SDOUT | 56 | CODEC Serial Data Output (Output) - Output for two's complement serial audio data the internal and external ADCs. |
| ADCIN1 | 58 | External ADC Serial Input (Input) - The CS42528 provides for up two external stereo analog to digital converter inputs to provide a maximum of six channels on serial data output line when the CS42528 is placed in One Line mode. |
| ADCIN2 | 57 | |
| OMCK | 59 | External Reference Clock (Input) - External clock reference that must be within the ranges specified in currently active on the serial audio data line. |
| SAI_LRCK | 60 | Serial Audio Interface Left/Right Clock (Input/Output) - Determines which channel, Left of Right, is currently active on the serial audio data line. |
| SAI_SCLK | 61 | Serial Audio Interface Serial Clock (Input/Output) - Serial clock for the Serial Audio Interface |

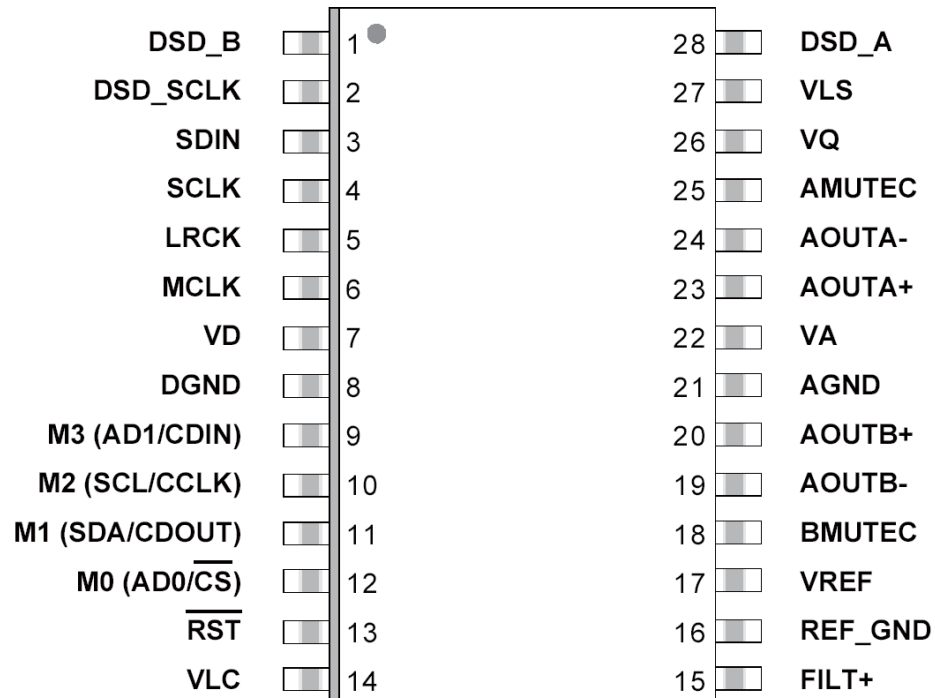
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -7

Q1201: CS4398-CZZ(Multi-bit DAC with Volume Control)

BLOCK DIAGRAM



PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -8

Q1201: CS4398-CZZ(Multi-bit DAC with Volume Control)

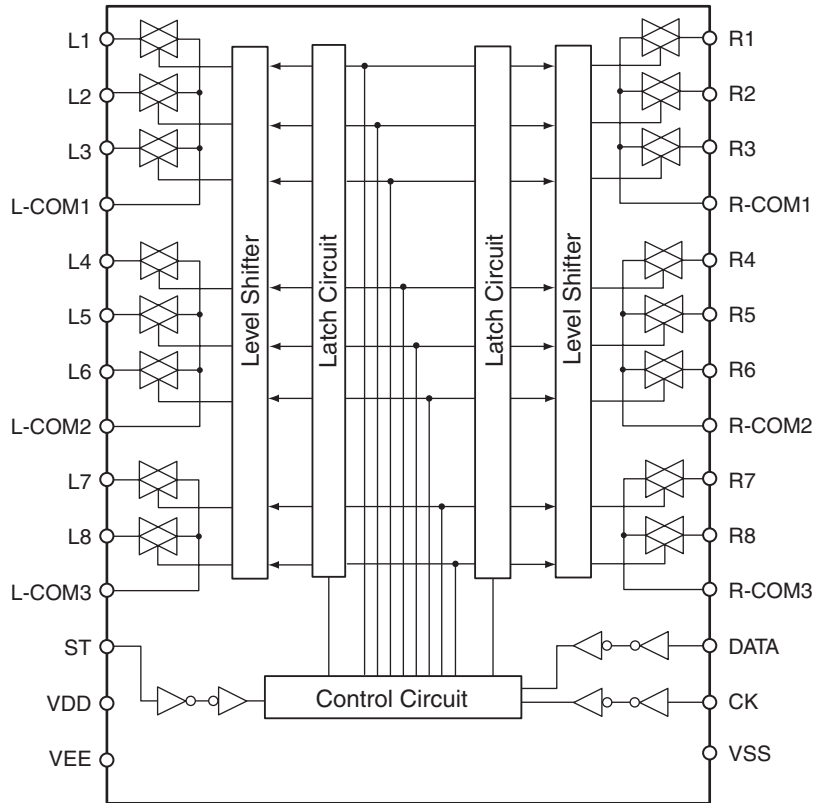
TERMINAL DESCRIPTION

| Pin Name | Pin # | Pin Description |
|-------------------------------|-------|--|
| DSD_A | 28 | Direct Stream Digital Input (Input) - Input for Direct Stream Digital serial audio data. |
| DSD_B | 1 | |
| DSD_SCLK | 2 | DSD Serial Clock (Input) - Serial clock for the Direct Stream Digital audio interface. |
| SDIN | 3 | Serial Audio Data Input (Input) - Input for two's complement serial audio data. |
| SCLK | 4 | Serial Clock (Input) - Serial clock for the serial audio interface. |
| LRCK | 5 | Left Right Clock (Input) - Determines which channel, Left or Right, is currently active on the serial audio data line. |
| MCLK | 6 | Master Clock (Input) - Clock source for the delta-sigma modulator and digital filters. |
| VD | 7 | Digital Power (Input) - Positive power for the digital section. |
| DGND | 8 | Digital Ground (Input) - Ground reference for the digital section. |
| RST | 13 | Reset (Input) - The device enters system reset when enabled. |
| VLC | 14 | Control Port Power (Input) - Positive power for Control Port I/O. |
| FILT+ | 15 | Positive Voltage Reference (Output) - Positive reference voltage for the internal sampling circuits. |
| REF_GND | 16 | Reference Ground (Input) - Ground reference for the internal sampling circuits. |
| VREF | 17 | Voltage Reference (Input) - Positive voltage reference for the internal sampling circuits. |
| BMUTEC | 18 | Mute Control (Output) - The Mute Control pin is active during power-up initialization, muting, power-down or if the master clock to left/right clock frequency ratio is incorrect. During reset, these outputs are set to a high impedance. |
| AMUTEC | 25 | |
| AOUTB+ | 20 | Differential Right Channel Analog Output (Output) - The full-scale differential analog output level is specified in the Analog Characteristics specification table. |
| AOUTB- | 19 | |
| AGND | 21 | Analog Ground (Input) - Ground reference for the analog section. |
| VA | 22 | Analog Power (Input) - Positive power for the analog section. |
| AOUTA+ | 23 | Differential Left Channel Analog Output (Output) - The full-scale differential analog output level is specified in the Analog Characteristics specification table. |
| AOUTA- | 24 | |
| VQ | 26 | Quiescent Voltage (Output) - Filter connection for internal quiescent voltage. |
| VLS | 27 | Serial Audio Interface Power (Input) - Positive power for serial audio interface I/O. |
| Stand-Alone Mode Definitions | | |
| M3 | 9 | Mode Selection (Input) - Determines the operational mode of the device. |
| M2 | 10 | |
| M1 | 11 | |
| M0 | 12 | |
| Control Port Mode Definitions | | |
| AD1/CDIN | 9 | Address Bit 1 (I²C) / Control Data Input (SPI) (Input) - AD1 is a chip address pin in I ² C mode; CDIN is the input data line for the Control Port interface in SPI mode. |
| SCL/CCLK | 10 | Serial Control Port Clock (Input) - Serial clock for the serial Control Port. |
| SDA/CDOUT | 11 | Serial Control Data (I²C) / Control Data Output (SPI) (Input/Output) - SDA is a data I/O line in I ² C mode. CDOUT is the output data line for the Control Port interface in SPI mode. |
| AD0/ $\overline{\text{CS}}$ | 12 | Address Bit 0 (I²C) / Control Port Chip Select (SPI) (Input) - AD0 is a chip address pin in I ² C mode; $\overline{\text{CS}}$ is the chip select signal for SPI format. |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -9

Q1601: NJU7312AM(Analog Function Switch)

BLOCK DIAGRAM



TERMINAL DESCRIPTION

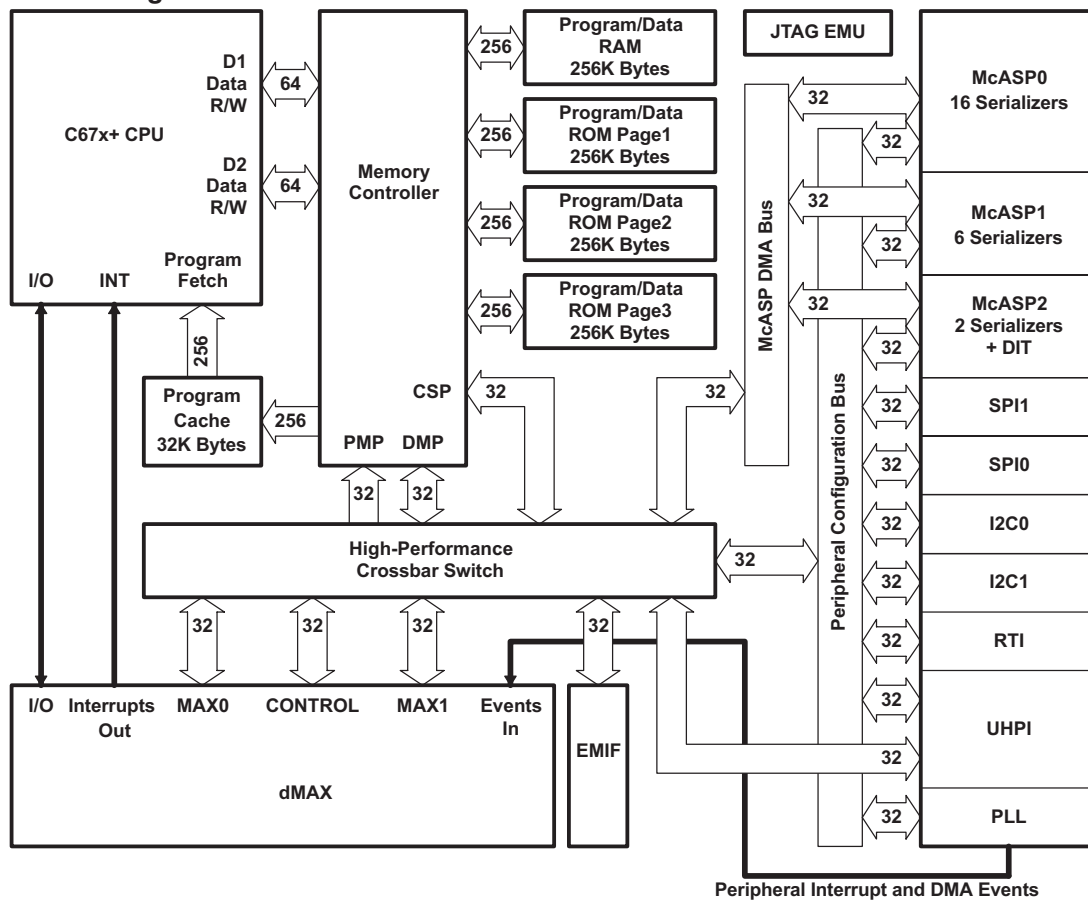
| Pin No. | Pin Name | Description | Pin No. | Pin Name | Description |
|---------|----------|----------------------------|---------|----------|----------------------------|
| 1 | VEE | Negative Voltage Supply | 16 | CK | Clock input/output |
| 2 | L1 | Analog switch input/output | 17 | DATA | Data input |
| 3 | L2 | Analog switch input/output | 19 | R-COM3 | R7, R8 Common |
| 4 | L3 | Analog switch input/output | 20 | R8 | Analog switch input/output |
| 5 | L-COM1 | L1, L2, L3 Common | 21 | R7 | Analog switch input/output |
| 6 | L4 | Analog switch input/output | 22 | R-COM2 | R4, R5, R6 Common |
| 7 | L5 | Analog switch input/output | 23 | R6 | Analog switch input/output |
| 8 | L6 | Analog switch input/output | 24 | R5 | Analog switch input/output |
| 9 | L-COM2 | L4, L5, L6 common | 25 | R4 | Analog switch input/output |
| 10 | L7 | Analog switch input/output | 26 | R-COM1 | R1, R2, R3 Common |
| 11 | L8 | Analog switch input/output | 27 | R3 | Analog switch input/output |
| 12 | L-COM3 | L7, L8 Common | 28 | R2 | Analog switch input/output |
| 14 | ST | Chip enable | 29 | R1 | Analog switch input/output |
| 15 | VSS | GND | 30 | VDD | Positive voltage supply |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -10

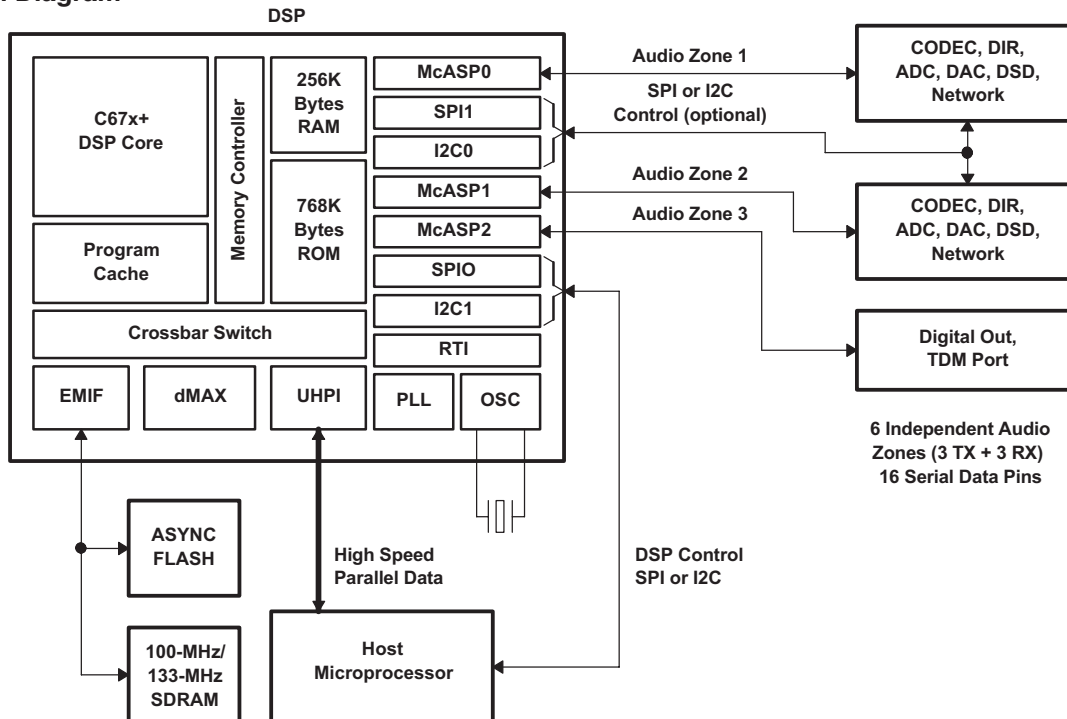
Q3401: D790E001BZDH275/D710E001BZDH275 (Audio DSP)

BLOCK DIAGRAM

Device Block Diagram



System Diagram



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -11

Q3401: D790E001BZDH275/D710E001BZDH275 (Audio DSP)

PIN CONFIGURATION(1/2)

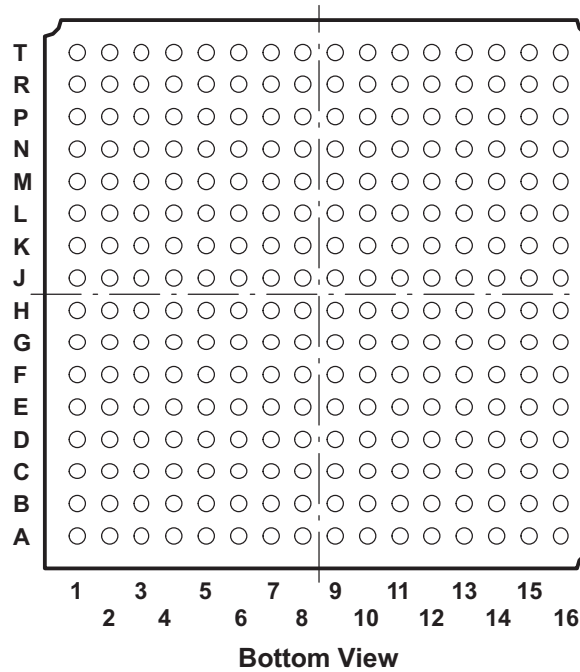
PIN MAP

| | | | | | | | | | | | | | | | | |
|---|----------------------------|----------------------------------|-----------------------------|------------------------------------|----------------------------------|----------------------------------|----------------------------------|-----------------------------------|---------------------------------------|------------------------------|-----------------------------|------------------|------------------------------------|----------------------------|------------------------------------|-----------------------------|
| T | V _{SS} | DV _{DD} | $\overline{\text{EM_WE}}$ | EM_D[7] | EM_D[5] | EM_D[3] | V _{SS} | EM_D[0] | EM_D[14] | V _{SS} | EM_D[11] | EM_D[9] | $\overline{\text{EM_WE_DQM}}[1]$ | EM_CKE | DV _{DD} | V _{SS} |
| R | DV _{DD} | EM_D[23] /UHPI_ HA[7] | $\overline{\text{EM_CAS}}$ | $\overline{\text{EM_WE_DQM}}[0]$ | EM_D[6] | EM_D[4] | EM_D[2] | EM_D[1] | EM_D[15] | EM_D[13] | EM_D[12] | EM_D[10] | EM_D[8] | EM_CLK | $\overline{\text{EM_WE_DQM}}[3]$ | DV _{DD} |
| P | TCK | UHPI_ HD[24] | EM_D[21] /UHPI_ HA[5] | EM_D[20] /UHPI_ HA[4] | EM_D[19] /UHPI_ HA[3] | EM_D[17] /UHPI_ HA[1] | EM_D[31] /UHPI_ HA[15] | DV _{DD} | EM_D[28] /UHPI_ HA[12] | EM_D[26] /UHPI_ HA[10] | EM_D[24] /UHPI_ HA[8] | EM_A[12] | $\overline{\text{EM_WE_DQM}}[2]$ | UHPI_ HD[7] | EM_A[11] | EM_A[9] |
| N | $\overline{\text{EMU}}[1]$ | UHPI_ HD[25] | UHPI_ HD[26] | EM_D[22] /UHPI_ HA[6] | DV _{DD} | EM_D[18] /UHPI_ HA[2] | EM_D[16] /UHPI_ HA[0] | EM_D[30] /UHPI_ HA[14] | EM_D[29] /UHPI_ HA[13] | EM_D[27] /UHPI_ HA[11] | EM_D[25] /UHPI_ HA[9] | DV _{DD} | UHPI_ HD[5] | UHPI_ HD[6] | EM_A[8] | EM_A[7] |
| M | $\overline{\text{EMU}}[0]$ | TDO | UHPI_ HD[27] | DV _{DD} | V _{SS} | CV _{DD} | CV _{DD} | CV _{DD} | CV _{DD} | CV _{DD} | CV _{DD} | V _{SS} | DV _{DD} | UHPI_ HD[2] | EM_A[6] | EM_A[5] |
| L | TDI | UHPI_ HD[30] | UHPI_ HD[28] | UHPI_ HD[29] | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | UHPI_ HD[3] | UHPI_ HD[4] | EM_A[4] | EM_A[3] |
| K | V _{SS} | PLLHV | TMS | $\overline{\text{TRST}}$ | CV _{DD} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | CV _{DD} | UHPI_ HD[0] | UHPI_ HD[1] | EM_A[2] | V _{SS} |
| J | OSCV _{SS} | OSCIN | OSCOU _T | OSCV _{DD} | CV _{DD} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | CV _{DD} | UHPI_ HD[15] | DV _{DD} | EM_A[1] | EM_A[0] |
| H | UHPI_ HD[16] /HHWIL | CLKIN | V _{SS} | UHPI_ HD[31] | CV _{DD} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | CV _{DD} | UHPI_ HD[14] | UHPI_ HD[13] | EM_A[10] | EM_BA[1] |
| G | V _{SS} | $\overline{\text{RESET}}$ | UHPI_ HD[17] | UHPI_ HD[18] | CV _{DD} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | CV _{DD} | UHPI_ HD[12] | UHPI_ HD[11] | EM_BA[0] | V _{SS} |
| F | AFSR1 | AFSX1 | UHPI_ HD[19] | UHPI_ HD[20] | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | V _{SS} | UHPI_ HD[10] | UHPI_ HD[9] | $\overline{\text{EM_CS}}[0]$ | $\overline{\text{EM_RAS}}$ |
| E | ACLKR1 | ACLKX1 | UHPI_ HD[21] | DV _{DD} | V _{SS} | CV _{DD} | CV _{DD} | CV _{DD} | CV _{DD} | CV _{DD} | CV _{DD} | V _{SS} | DV _{DD} | UHPI_ HD[8] | $\overline{\text{EM_CS}}[2]$ | EM_R $\overline{\text{W}}$ |
| D | AHCLKX1 | AMUTE1 | UHPI_ HD[22] | DV _{DD} | DV _{DD} | $\overline{\text{UHPI_HRDY}}$ | $\overline{\text{UHPI_HDS}}[1]$ | UHPI_ HR $\overline{\text{W}}$ | UHPI_ HCNTL[0] | AMUTE2/ HINT | ACLKX2 | DV _{DD} | DV _{DD} | EM_WAIT | $\overline{\text{EM_OE}}$ | SPI0_ENA /I2C1_ SDA |
| C | AMUTE0 | AHCLKX0 /AHCLKX2 | UHPI_ HD[23] | $\overline{\text{UHPI_HBE}}[2]$ | $\overline{\text{UHPI_HBE}}[1]$ | $\overline{\text{UHPI_HBE}}[0]$ | $\overline{\text{UHPI_HDS}}[2]$ | $\overline{\text{UHPI_HCS}}$ | $\overline{\text{UHPI_HAS}}$ | UHPI_ HCNTL[1] | AFSX2 | AFSR2 | ACLKR2 | AHCLKR2 | SPI0_SCS /I2C1_ SCL | SPI0_CLK /I2C0_ SCL |
| B | DV _{DD} | $\overline{\text{UHPI_HBE}}[3]$ | AHCLKR0 /AHCLKR1 | AFSR0 | AXR0[15] /AXR2[0] | AXR0[13] /AXR1[0] | AXR0[12] /AXR1[1] | AXR0[10] /AXR1[3] | AXR0[8] /AXR1[5] /SPI1_ SOMI | AXR0[7] /SPI1_ CLK | AXR0[5] /SPI1_ SCS | AXR0[3] | AXR0[1] | SPI0_SOMI /I2C0_ SDA | SPI0_SIMO | DV _{DD} |
| A | V _{SS} | DV _{DD} | AFSX0 | ACLKX0 | ACLKR0 | AXR0[14] /AXR2[1] | V _{SS} | AXR0[11] /AXR1[2] | AXR0[9] /AXR1[4] /SPI1_ SIMO | V _{SS} | AXR0[6] /SPI1_ ENA | AXR0[4] | AXR0[2] | AXR0[0] | DV _{DD} | V _{SS} |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -12

Q3401: D790E001BZDH275/D710E001BZDH275 (Audio DSP)

PIN CONFIGURATION(2/2)



TERMINAL DESCRIPTION(1/5)

| SIGNAL NAME | BALL NO. | TYPE ⁽¹⁾ | PULL ⁽²⁾ | GPIO ⁽³⁾ | DESCRIPTION |
|---------------------------------|--|---------------------|---------------------|---------------------|--|
| Clocks | | | | | |
| OSCIN | J2 | I | - | N | 1.2-V Oscillator Input |
| OSCOUT | J3 | O | - | N | 1.2-V Oscillator Output |
| OSCV _{DD} | J4 | PWR | - | N | Oscillator 1.2-V V _{DD} tap point (for filter only) |
| OSCV _{SS} | J1 | PWR | - | N | Oscillator V _{SS} tap point (for filter only) |
| CLKIN | H2 | I | - | N | Alternate clock input (3.3-V LVCMOS Input) |
| PLLHV | K2 | PWR | - | N | PLL 3.3-V Supply Input (requires external filter) |
| Device Reset | | | | | |
| RESET | G2 | I | - | N | Device reset pin |
| Emulation/JTAG Port | | | | | |
| TCK | P1 | I | IPU | N | Test Clock |
| TMS | K3 | I | IPU | N | Test Mode Select |
| TDI | L1 | I | IPU | N | Test Data In |
| TDO | M2 | OZ | IPU | N | Test Data Out |
| TRST | K4 | I | IPD | N | Test Reset |
| EMU[0] | M1 | IO | IPU | N | Emulation Pin 0 |
| EMU[1] | N1 | IO | IPU | N | Emulation Pin 1 |
| Power Pins | | | | | |
| Core Supply (CV _{DD}) | E6, E7, E8, E9, E10, E11, G5, G12, H5, H12, J5, J12, K5, K12, M6, M7, M8, M9, M10, M11 | | | | |
| IO Supply (DV _{DD}) | A2, A15, B1, B16, D4, D5, D12, D13, E4, E13, J14, M4, M13, N5, N12, P8, R1, R16, T2, T15 | | | | |
| Ground (V _{SS}) | A1, A7, A10, A16, E5, E12, F5, F6, F7, F8, F9, F10, F11, F12, G1, G6, G7, G8, G9, G10, G11, G16, H3, H6, H7, H8, H9, H10, H11, J6, J7, J8, J9, J10, J11, K1, K6, K7, K8, K9, K10, K11, K16, L5, L6, L7, L8, L9, L10, L11, L12, M5, M12, T1, T7, T10, T16 | | | | |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -13

Q3401: D790E001BZDH275/D710E001BZDH275 (Audio DSP)

TERMINAL DESCRIPTION(2/5)

| SIGNAL NAME | BALL NO. | TYPE ⁽¹⁾ | PULL ⁽²⁾ | GPIO ⁽³⁾ | DESCRIPTION |
|---|----------|---------------------|---------------------|---------------------|---|
| External Memory Interface (EMIF) Address and Control | | | | | |
| EM_A[0] | J16 | O | - | N | EMIF Address Bus |
| EM_A[1] | J15 | O | - | N | |
| EM_A[2] | K15 | O | - | N | |
| EM_A[3] | L16 | O | - | N | |
| EM_A[4] | L15 | O | - | N | |
| EM_A[5] | M16 | O | - | N | |
| EM_A[6] | M15 | O | - | N | |
| EM_A[7] | N16 | O | - | N | |
| EM_A[8] | N15 | O | - | N | |
| EM_A[9] | P16 | O | - | N | |
| EM_A[10] | H15 | O | - | N | |
| EM_A[11] | P15 | O | - | N | |
| EM_A[12] | P12 | O | IPD | N | |
| EM_BA[0] | G15 | O | - | N | SDRAM Bank Address and Asynchronous Memory Low-Order Address |
| EM_BA[1] | H16 | O | - | N | |
| EM_CS[0] | F15 | O | - | N | SDRAM Chip Select |
| EM_CS[2] | E15 | O | - | N | Asynchronous Memory Chip Select |
| EM_CAS | R3 | O | - | N | SDRAM Column Address Strobe |
| EM_RAS | F16 | O | - | N | SDRAM Row Address Strobe |
| EM_WE | T3 | O | - | N | SDRAM Write Enable |
| EM_CKE | T14 | O | - | N | SDRAM Clock Enable |
| EM_CLK | R14 | O | - | N | SDRAM Clock |
| EM_WE_DQM[0] | R4 | O | - | N | Write Enable or Byte Enable for EM_D[7:0] |
| EM_WE_DQM[1] | T13 | O | - | N | Write Enable or Byte Enable for EM_D[15:8] |
| EM_WE_DQM[2] | P13 | O | IPU | N | Write Enable or Byte Enable for EM_D[23:16] |
| EM_WE_DQM[3] | R15 | O | IPU | N | Write Enable or Byte Enable for EM_D[31:24] |
| EM_OE | D15 | O | - | N | SDRAM Output Enable |
| EM_RW | E16 | O | - | N | Asynchronous Memory Read/not Write |
| EM_WAIT | D14 | I | IPU | N | Asynchronous Wait Input (<i>Programmable Polarity</i>) or Interrupt (<i>NAND</i>) |

- (1) TYPE column refers to pin direction in functional mode. If a pin has more than one function with different directions, the functions are separated with a slash (/).
- (2) PULL column:
IPD = Internal Pulldown resistor
IPU = Internal Pullup resistor
- (3) If the GPIO column is 'Y', then in GPIO mode, the pin is configurable as an IO unless otherwise marked.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -14

Q3401: D790E001BZDH275/D710E001BZDH275 (Audio DSP)

TERMINAL DESCRIPTION(3/5)

| SIGNAL NAME | BALL NO. | TYPE ⁽¹⁾ | PULL ⁽²⁾ | GPIO ⁽³⁾ | DESCRIPTION |
|--|----------|---------------------|---------------------|---------------------|--|
| External Memory Interface (EMIF) Data Bus / Universal Host-Port Interface (UHPI) Address Bus Option | | | | | |
| EM_D[0] | T8 | IO | - | N | EMIF Data Bus [Lower 16 Bits] |
| EM_D[1] | R8 | IO | - | N | |
| EM_D[2] | R7 | IO | - | N | |
| EM_D[3] | T6 | IO | - | N | |
| EM_D[4] | R6 | IO | - | N | |
| EM_D[5] | T5 | IO | - | N | |
| EM_D[6] | R5 | IO | - | N | |
| EM_D[7] | T4 | IO | - | N | |
| EM_D[8] | R13 | IO | - | N | |
| EM_D[9] | T12 | IO | - | N | |
| EM_D[10] | R12 | IO | - | N | |
| EM_D[11] | T11 | IO | - | N | |
| EM_D[12] | R11 | IO | - | N | |
| EM_D[13] | R10 | IO | - | N | |
| EM_D[14] | T9 | IO | - | N | |
| EM_D[15] | R9 | IO | - | N | |
| EM_D[16]/UHPI_HA[0] | N7 | IO/I | IPD | N | EMIF Data Bus [Upper 16 Bits (IO)] or UHPI Address Input (I) |
| EM_D[17]/UHPI_HA[1] | P6 | IO/I | IPD | N | |
| EM_D[18]/UHPI_HA[2] | N6 | IO/I | IPD | N | |
| EM_D[19]/UHPI_HA[3] | P5 | IO/I | IPD | N | |
| EM_D[20]/UHPI_HA[4] | P4 | IO/I | IPD | N | |
| EM_D[21]/UHPI_HA[5] | P3 | IO/I | IPD | N | |
| EM_D[22]/UHPI_HA[6] | N4 | IO/I | IPD | N | |
| EM_D[23]/UHPI_HA[7] | R2 | IO/I | IPD | N | |
| EM_D[24]/UHPI_HA[8] | P11 | IO/I | IPD | N | |
| EM_D[25]/UHPI_HA[9] | N11 | IO/I | IPD | N | |
| EM_D[26]/UHPI_HA[10] | P10 | IO/I | IPD | N | |
| EM_D[27]/UHPI_HA[11] | N10 | IO/I | IPD | N | |
| EM_D[28]/UHPI_HA[12] | P9 | IO/I | IPD | N | |
| EM_D[29]/UHPI_HA[13] | N9 | IO/I | IPD | N | |
| EM_D[30]/UHPI_HA[14] | N8 | IO/I | IPD | N | |
| EM_D[31]/UHPI_HA[15] | P7 | IO/I | IPD | N | |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -15

Q3401: D790E001BZDH275/D710E001BZDH275 (Audio DSP)

TERMINAL DESCRIPTION(4/5)

| SIGNAL NAME | BALL NO. | TYPE ⁽¹⁾ | PULL ⁽²⁾ | GPIO ⁽³⁾ | DESCRIPTION |
|--|----------|---------------------|---------------------|---------------------|--|
| Universal Host-Port Interface (UHPI) Data and Control | | | | | |
| UHPI_HD[0] | K13 | IO | IPD | Y | UHPI Data Bus [Lower 16 Bits] |
| UHPI_HD[1] | K14 | IO | IPD | Y | |
| UHPI_HD[2] | M14 | IO | IPD | Y | |
| UHPI_HD[3] | L13 | IO | IPD | Y | |
| UHPI_HD[4] | L14 | IO | IPD | Y | |
| UHPI_HD[5] | N13 | IO | IPD | Y | |
| UHPI_HD[6] | N14 | IO | IPD | Y | |
| UHPI_HD[7] | P14 | IO | IPD | Y | |
| UHPI_HD[8] | E14 | IO | IPD | Y | |
| UHPI_HD[9] | F14 | IO | IPD | Y | |
| UHPI_HD[10] | F13 | IO | IPD | Y | |
| UHPI_HD[11] | G14 | IO | IPD | Y | |
| UHPI_HD[12] | G13 | IO | IPD | Y | |
| UHPI_HD[13] | H14 | IO | IPD | Y | |
| UHPI_HD[14] | H13 | IO | IPD | Y | |
| UHPI_HD[15] | J13 | IO | IPD | Y | |
| UHPI_HD[16]/HHWIL | H1 | IO/I | IPD | Y | UHPI Data Bus [Upper 16 Bits (IO)] in the following modes: <ul style="list-style-type: none"> • Fullword Multiplexed Address and Data • Fullword Non-Multiplexed UHPI_HHWIL (I) on pin UHPI_HD[16]/HHWIL and GPIO on other pins in the following mode: <ul style="list-style-type: none"> • Half-word Multiplexed Address and Data In this mode, UHPI_HHWIL indicates whether the high or low half-word is being addressed. |
| UHPI_HD[17] | G3 | IO | IPD | Y | |
| UHPI_HD[18] | G4 | IO | IPD | Y | |
| UHPI_HD[19] | F3 | IO | IPD | Y | |
| UHPI_HD[20] | F4 | IO | IPD | Y | |
| UHPI_HD[21] | E3 | IO | IPD | Y | |
| UHPI_HD[22] | D3 | IO | IPD | Y | |
| UHPI_HD[23] | C3 | IO | IPD | Y | |
| UHPI_HD[24] | P2 | IO | IPD | Y | |
| UHPI_HD[25] | N2 | IO | IPD | Y | |
| UHPI_HD[26] | N3 | IO | IPD | Y | |
| UHPI_HD[27] | M3 | IO | IPD | Y | |
| UHPI_HD[28] | L3 | IO | IPD | Y | |
| UHPI_HD[29] | L4 | IO | IPD | Y | |
| UHPI_HD[30] | L2 | IO | IPD | Y | |
| UHPI_HD[31] | H4 | IO | IPD | Y | |
| Universal Host-Port Interface (UHPI) Control | | | | | |
| UHPI_HBE[0] | C6 | I | IPD | Y | UHPI Byte Enable for UHPI_HD[7:0] |
| UHPI_HBE[1] | C5 | I | IPD | Y | UHPI Byte Enable for UHPI_HD[15:8] |
| UHPI_HBE[2] | C4 | I | IPD | Y | UHPI Byte Enable for UHPI_HD[23:16] |
| UHPI_HBE[3] | B2 | I | IPD | Y | UHPI Byte Enable for UHPI_HD[31:24] |
| UHPI_HCNTL[0] | D9 | I | IPD | Y | UHPI Control Inputs Select Access Mode |
| UHPI_HCNTL[1] | C10 | I | IPD | Y | |
| UHPI_HAS | C9 | I | IPD | Y | UHPI Host Address Strobe for Hosts with Multiplexed Address/Data bus |
| UHPI_HRW | D8 | I | IPD | Y | UHPI Read/not Write Input |
| UHPI_HDS[1] | D7 | I | IPU | Y | UHPI Select Signals which create the internal HSTROBE active when: |
| UHPI_HDS[2] | C7 | I | IPU | Y | |
| UHPI_HCS | C8 | I | IPU | Y | (UHPI_HCS == '0') & (UHPI_HDS[1] != UHPI_HDS[2]) |
| UHPI_HRDY | D6 | O | IPD | Y | UHPI Ready Output |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -16

Q3401: D790E001BZDH275/D710E001BZDH275 (Audio DSP)

TERMINAL DESCRIPTION(5/5)

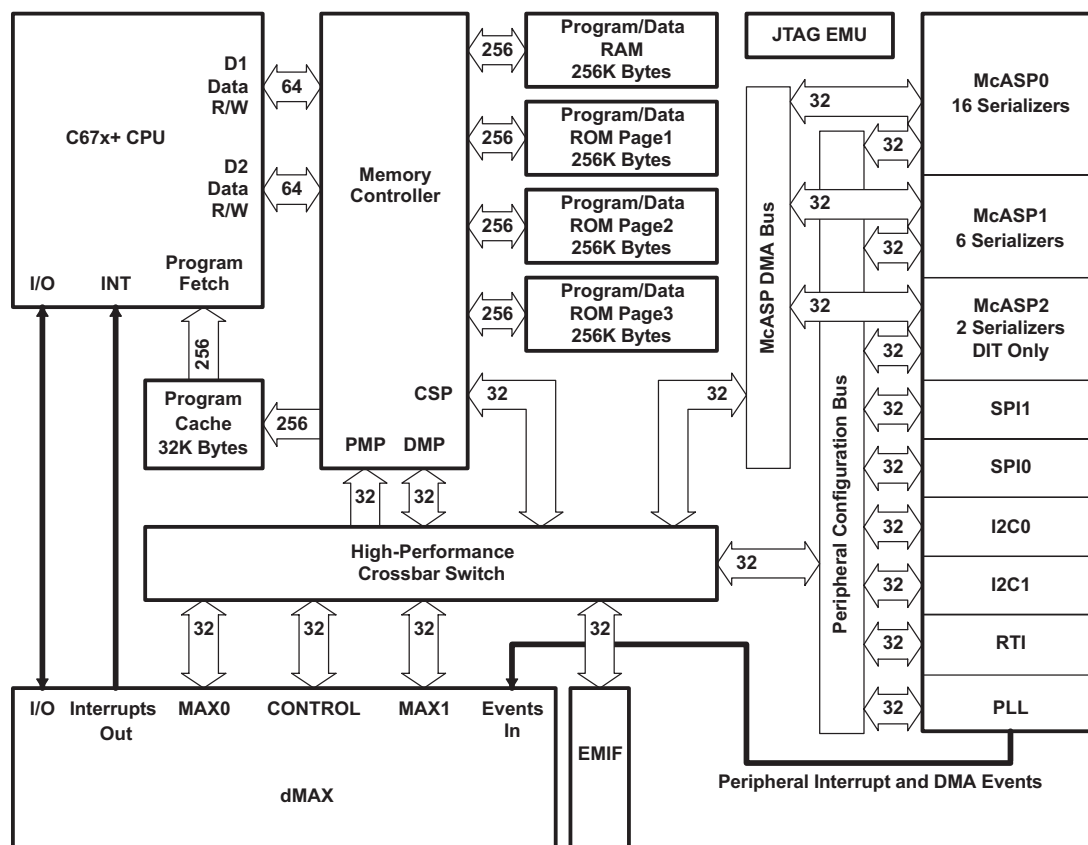
| SIGNAL NAME | BALL NO. | TYPE ⁽¹⁾ | PULL ⁽²⁾ | GPIO ⁽³⁾ | DESCRIPTION |
|--|----------|---------------------|---------------------|---------------------|---|
| McASP0, McASP1, McASP2, and SPI1 Serial Ports | | | | | |
| AHCLKR0/AHCLKR1 | B3 | IO | - | Y | McASP0 and McASP1 Receive Master Clock |
| ACLKR0 | A5 | IO | - | Y | McASP0 Receive Bit Clock |
| AFSR0 | B4 | IO | - | Y | McASP0 Receive Frame Sync (L/R Clock) |
| AHCLKX0/AHCLKX2 | C2 | IO | - | Y | McASP0 and McASP2 Transmit Master Clock |
| ACLKX0 | A4 | IO | - | Y | McASP0 Transmit Bit Clock |
| AFSX0 | A3 | IO | - | Y | McASP0 Transmit Frame Sync (L/R Clock) |
| AMUTE0 | C1 | O | - | Y | McASP0 MUTE Output |
| AXR0[0] | A14 | IO | - | Y | McASP0 Serial Data 0 |
| AXR0[1] | B13 | IO | - | Y | McASP0 Serial Data 1 |
| AXR0[2] | A13 | IO | - | Y | McASP0 Serial Data 2 |
| AXR0[3] | B12 | IO | - | Y | McASP0 Serial Data 3 |
| AXR0[4] | A12 | IO | - | Y | McASP0 Serial Data 4 |
| AXR0[5]/SPI1_SCS | B11 | IO | - | Y | McASP0 Serial Data 5 or SPI1 Slave Chip Select |
| AXR0[6]/SPI1_ENA | A11 | IO | - | Y | McASP0 Serial Data 6 or SPI1 Enable (Ready) |
| AXR0[7]/SPI1_CLK | B10 | IO | - | Y | McASP0 Serial Data 7 or SPI1 Serial Clock |
| AXR0[8]/AXR1[5]/SPI1_SOMI | B9 | IO | - | Y | McASP0 Serial Data 8 or McASP1 Serial Data 5 or SPI1 Data Pin Slave Out Master In |
| AXR0[9]/AXR1[4]/SPI1_SIMO | A9 | IO | - | Y | McASP0 Serial Data 9 or McASP1 Serial Data 4 or SPI1 Data Pin Slave In Master Out |
| AXR0[10]/AXR1[3] | B8 | IO | - | Y | McASP0 Serial Data 10 or McASP1 Serial Data 3 |
| AXR0[11]/AXR1[2] | A8 | IO | - | Y | McASP0 Serial Data 11 or McASP1 Serial Data 2 |
| AXR0[12]/AXR1[1] | B7 | IO | - | Y | McASP0 Serial Data 12 or McASP1 Serial Data 1 |
| AXR0[13]/AXR1[0] | B6 | IO | - | Y | McASP0 Serial Data 13 or McASP1 Serial Data 0 |
| AXR0[14]/AXR2[1] | A6 | IO | - | Y | McASP0 Serial Data 14 or McASP2 Serial Data 1 |
| AXR0[15]/AXR2[0] | B5 | IO | - | Y | McASP0 Serial Data 15 or McASP2 Serial Data 0 |
| ACLKR1 | E1 | IO | - | Y | McASP1 Receive Bit Clock |
| AFSR1 | F1 | IO | - | Y | McASP1 Receive Frame Sync (L/R Clock) |
| AHCLKX1 | D1 | IO | - | Y | McASP1 Transmit Master Clock |
| ACLKX1 | E2 | IO | - | Y | McASP1 Transmit Bit Clock |
| AFSX1 | F2 | IO | - | Y | McASP1 Transmit Frame Sync (L/R Clock) |
| AMUTE1 | D2 | O | - | Y | McASP1 MUTE Output |
| AHCLKR2 | C14 | IO | IPD | Y | McASP2 Receive Master Clock |
| ACLKR2 | C13 | IO | IPD | Y | McASP2 Receive Bit Clock |
| AFSR2 | C12 | IO | IPD | Y | McASP2 Receive Frame Sync (L/R Clock) |
| ACLKX2 | D11 | IO | IPD | Y | McASP2 Transmit Bit Clock |
| AFSX2 | C11 | IO | IPD | Y | McASP2 Transmit Frame Sync (L/R Clock) |
| AMUTE2/HINT | D10 | O | IPD | Y | McASP2 MUTE Output or UHPI Host Interrupt |
| SPI0, I2C0, and I2C1 Serial Port Pins | | | | | |
| SPI0_SOMI/I2C0_SDA | B14 | IO | - | Y | SPI0 Data Pin Slave Out Master In or I2C0 Serial Data |
| SPI0_SIMO | B15 | IO | - | Y | SPI0 Data Pin Slave In Master Out |
| SPI0_CLK/I2C0_SCL | C16 | IO | - | Y | SPI0 Serial Clock or I2C0 Serial Clock |
| SPI0_SCS/I2C1_SCL | C15 | IO | - | Y | SPI0 Slave Chip Select or I2C1 Serial Clock |
| SPI0_ENA/I2C1_SDA | D16 | IO | - | Y | SPI0 Enable (Ready) or I2C1 Serial Data |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -17

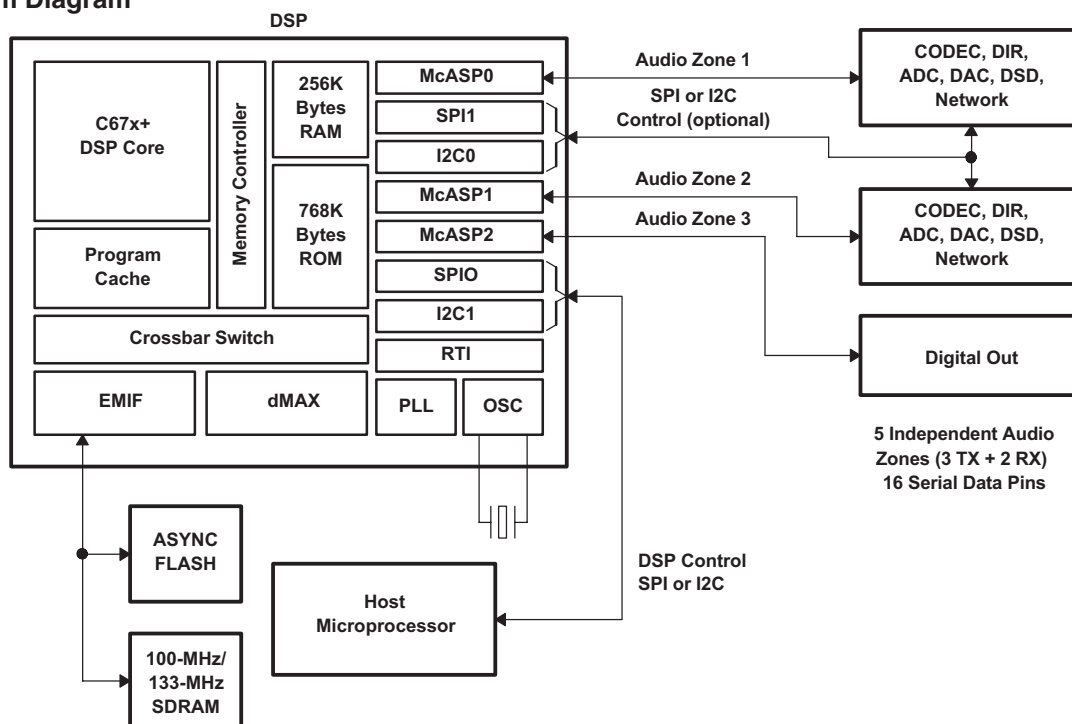
Q3501: D788E001BRFP266/D708E001BRFP266 (Audio DSP)

BLOCK DIAGRAM

Device Block Diagram



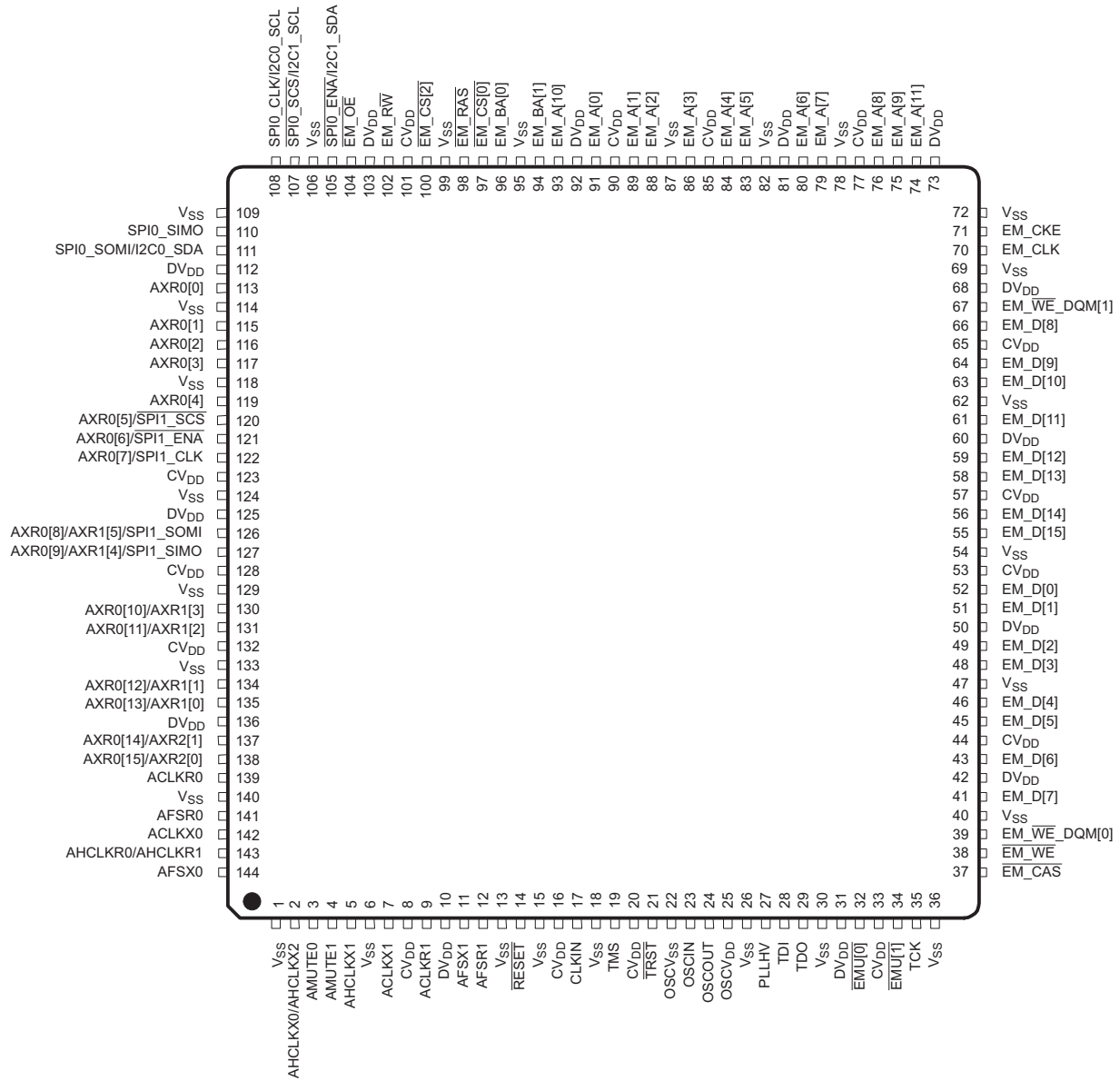
System Diagram



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -18

Q3501: D788E001BRFP266/D708E001BRFP266 (Audio DSP)

PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -19

Q3501: D788E001BRFP266/D708E001BRFP266 (Audio DSP)

TERMINAL DESCRIPTION(1/3)

| SIGNAL NAME | PIN NO. | TYPE ⁽¹⁾ | PULL ⁽²⁾ | GPIO ⁽³⁾ | DESCRIPTION |
|---|---------|---------------------|---------------------|---------------------|--|
| External Memory Interface (EMIF) Address and Control | | | | | |
| EM_A[0] | 91 | O | - | N | EMIF Address Bus |
| EM_A[1] | 89 | O | - | N | |
| EM_A[2] | 88 | O | - | N | |
| EM_A[3] | 86 | O | - | N | |
| EM_A[4] | 84 | O | - | N | |
| EM_A[5] | 83 | O | - | N | |
| EM_A[6] | 80 | O | - | N | |
| EM_A[7] | 79 | O | - | N | |
| EM_A[8] | 76 | O | - | N | |
| EM_A[9] | 75 | O | - | N | |
| EM_A[10] | 93 | O | - | N | |
| EM_A[11] | 74 | O | - | N | |
| EM_BA[0] | 96 | O | - | N | SDRAM Bank Address and Asynchronous Memory Low-Order Address |
| EM_BA[1] | 94 | O | - | N | |
| EM_CS[0] | 97 | O | - | N | SDRAM Chip Select |
| EM_CS[2] | 100 | O | - | N | Asynchronous Memory Chip Select |
| EM_CAS | 37 | O | - | N | SDRAM Column Address Strobe |
| EM_RAS | 98 | O | - | N | SDRAM Row Address Strobe |
| EM_WE | 38 | O | - | N | SDRAM Write Enable |
| EM_CKE | 71 | O | - | N | SDRAM Clock Enable |
| EM_CLK | 70 | O | - | N | SDRAM Clock |
| EM_WE_DQM[0] | 39 | O | - | N | Write Enable or Byte Enable for EM_D[7:0] |
| EM_WE_DQM[1] | 67 | O | - | N | Write Enable or Byte Enable for EM_D[15:8] |
| EM_OE | 104 | O | - | N | SDRAM Output Enable |
| EM_RW | 102 | O | - | N | Asynchronous Memory Read/not Write |

- (1) TYPE column refers to pin direction in functional mode. If a pin has more than one function with different directions, the functions are separated with a slash (/).
- (2) PULL column:
 IPD = Internal Pulldown resistor
 IPU = Internal Pullup resistor
- (3) If the GPIO column is 'Y', then in GPIO mode, the pin is configurable as an IO unless otherwise marked.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -20

Q3501: D788E001BRFP266/D708E001BRFP266 (Audio DSP)

TERMINAL DESCRIPTION(2/3)

| SIGNAL NAME | PIN NO. | TYPE ⁽¹⁾ | PULL ⁽²⁾ | GPIO ⁽³⁾ | DESCRIPTION |
|--|---------|---------------------|---------------------|---------------------|---|
| McASP0, McASP1, McASP2, and SPI1 Serial Ports | | | | | |
| AHCLKR0/AHCLKR1 | 143 | IO | - | Y | McASP0 and McASP1 Receive Master Clock |
| ACLKR0 | 139 | IO | - | Y | McASP0 Receive Bit Clock |
| AFSR0 | 141 | IO | - | Y | McASP0 Receive Frame Sync (L/R Clock) |
| AHCLKX0/AHCLKX2 | 2 | IO | - | Y | McASP0 and McASP2 Transmit Master Clock |
| ACLKX0 | 142 | IO | - | Y | McASP0 Transmit Bit Clock |
| AFSX0 | 144 | IO | - | Y | McASP0 Transmit Frame Sync (L/R Clock) |
| AMUTE0 | 3 | O | - | Y | McASP0 MUTE Output |
| AXR0[0] | 113 | IO | - | Y | McASP0 Serial Data 0 |
| AXR0[1] | 115 | IO | - | Y | McASP0 Serial Data 1 |
| AXR0[2] | 116 | IO | - | Y | McASP0 Serial Data 2 |
| AXR0[3] | 117 | IO | - | Y | McASP0 Serial Data 3 |
| AXR0[4] | 119 | IO | - | Y | McASP0 Serial Data 4 |
| AXR0[5]/SPI1_SCS | 120 | IO | - | Y | McASP0 Serial Data 5 or SPI1 Slave Chip Select |
| AXR0[6]/SPI1_ENA | 121 | IO | - | Y | McASP0 Serial Data 6 or SPI1 Enable (Ready) |
| AXR0[7]/SPI1_CLK | 122 | IO | - | Y | McASP0 Serial Data 7 or SPI1 Serial Clock |
| AXR0[8]/AXR1[5]/SPI1_SOMI | 126 | IO | - | Y | McASP0 Serial Data 8 or McASP1 Serial Data 5 or SPI1 Data Pin Slave Out Master In |
| AXR0[9]/AXR1[4]/SPI1_SIMO | 127 | IO | - | Y | McASP0 Serial Data 9 or McASP1 Serial Data 4 or SPI1 Data Pin Slave In Master Out |
| AXR0[10]/AXR1[3] | 130 | IO | - | Y | McASP0 Serial Data 10 or McASP1 Serial Data 3 |
| AXR0[11]/AXR1[2] | 131 | IO | - | Y | McASP0 Serial Data 11 or McASP1 Serial Data 2 |
| AXR0[12]/AXR1[1] | 134 | IO | - | Y | McASP0 Serial Data 12 or McASP1 Serial Data 1 |
| AXR0[13]/AXR1[0] | 135 | IO | - | Y | McASP0 Serial Data 13 or McASP1 Serial Data 0 |
| AXR0[14]/AXR2[1] | 137 | IO | - | Y | McASP0 Serial Data 14 or McASP2 Serial Data 1 |
| AXR0[15]/AXR2[0] | 138 | IO | - | Y | McASP0 Serial Data 15 or McASP2 Serial Data 0 |
| ACLKR1 | 9 | IO | - | Y | McASP1 Receive Bit Clock |
| AFSR1 | 12 | IO | - | Y | McASP1 Receive Frame Sync (L/R Clock) |
| AHCLKX1 | 5 | IO | - | Y | McASP1 Transmit Master Clock |
| ACLKX1 | 7 | IO | - | Y | McASP1 Transmit Bit Clock |
| AFSX1 | 11 | IO | - | Y | McASP1 Transmit Frame Sync (L/R Clock) |
| AMUTE1 | 4 | O | - | Y | McASP1 MUTE Output |
| SPI0, I2C0, and I2C1 Serial Port Pins | | | | | |
| SPI0_SOMI/I2C0_SDA | 111 | IO | - | Y | SPI0 Data Pin Slave Out Master In or I2C0 Serial Data |
| SPI0_SIMO | 110 | IO | - | Y | SPI0 Data Pin Slave In Master Out |
| SPI0_CLK/I2C0_SCL | 108 | IO | - | Y | SPI0 Serial Clock or I2C0 Serial Clock |
| SPI0_SCS/I2C1_SCL | 107 | IO | - | Y | SPI0 Slave Chip Select or I2C1 Serial Clock |
| SPI0_ENA/I2C1_SDA | 105 | IO | - | Y | SPI0 Enable (Ready) or I2C1 Serial Data |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -21

Q3501: D788E001BRFP266/D708E001BRFP266 (Audio DSP)

TERMINAL DESCRIPTION(3/3)

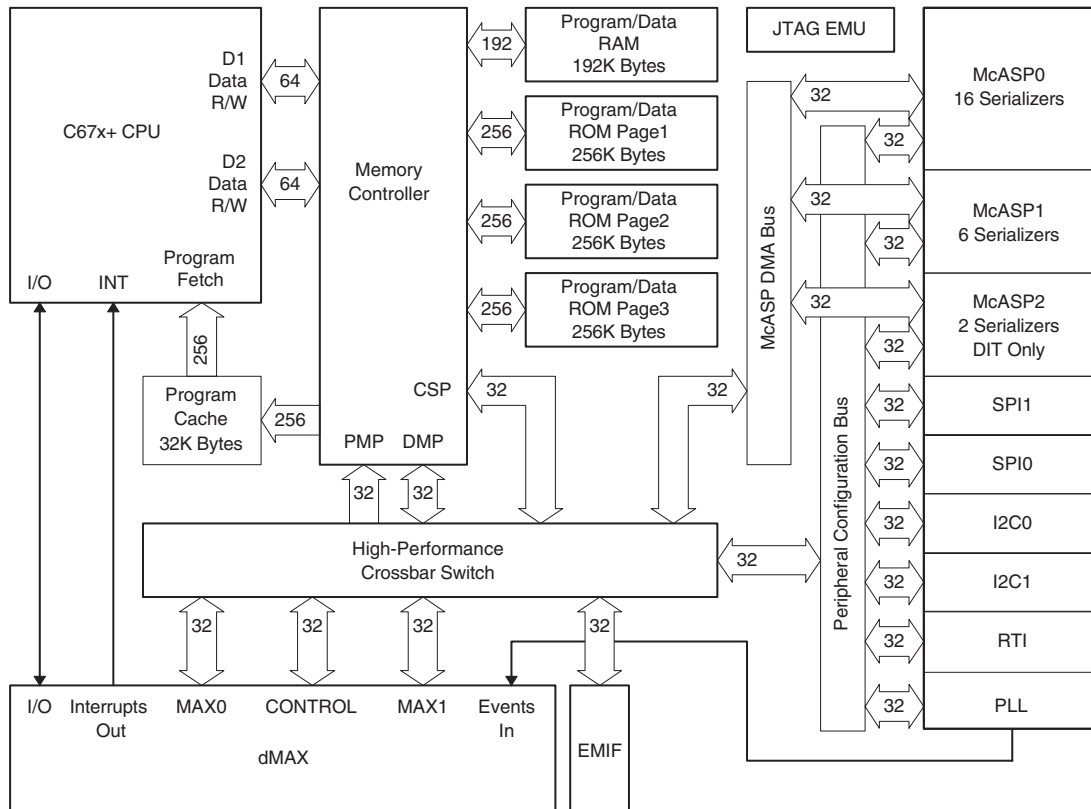
| SIGNAL NAME | PIN NO. | TYPE ⁽¹⁾ | PULL ⁽²⁾ | GPIO ⁽³⁾ | DESCRIPTION |
|--|---------|---------------------|---------------------|---------------------|-------------------------------|
| External Memory Interface (EMIF) Data Bus | | | | | |
| EM_D[0] | 52 | IO | - | N | EMIF Data Bus [Lower 16 Bits] |
| EM_D[1] | 51 | IO | - | N | |
| EM_D[2] | 49 | IO | - | N | |
| EM_D[3] | 48 | IO | - | N | |
| EM_D[4] | 46 | IO | - | N | |
| EM_D[5] | 45 | IO | - | N | |
| EM_D[6] | 43 | IO | - | N | |
| EM_D[7] | 41 | IO | - | N | |
| EM_D[8] | 66 | IO | - | N | |
| EM_D[9] | 64 | IO | - | N | |
| EM_D[10] | 63 | IO | - | N | |
| EM_D[11] | 61 | IO | - | N | |
| EM_D[12] | 59 | IO | - | N | |
| EM_D[13] | 58 | IO | - | N | |
| EM_D[14] | 56 | IO | - | N | |
| EM_D[15] | 55 | IO | - | N | |

| SIGNAL NAME | PIN NO. | TYPE ⁽¹⁾ | PULL ⁽²⁾ | GPIO ⁽³⁾ | DESCRIPTION |
|---------------------------------|--|---------------------|---------------------|---------------------|--|
| Clocks | | | | | |
| OSCIN | 23 | I | - | N | 1.2-V Oscillator Input |
| OSCOUT | 24 | O | - | N | 1.2-V Oscillator Output |
| OSCV _{DD} | 25 | PWR | - | N | Oscillator 1.2-V V _{DD} tap point (for filter only) |
| OSCV _{SS} | 22 | PWR | - | N | Oscillator V _{SS} tap point (for filter only) |
| CLKIN | 17 | I | - | N | Alternate clock input (3.3-V LVCMOS Input) |
| PLLHV | 27 | PWR | - | N | PLL 3.3-V Supply Input (requires external filter) |
| Device Reset | | | | | |
| RESET | 14 | I | - | N | Device reset pin |
| Emulation/JTAG Port | | | | | |
| TCK | 35 | I | IPU | N | Test Clock |
| TMS | 19 | I | IPU | N | Test Mode Select |
| TDI | 28 | I | IPU | N | Test Data In |
| TDO | 29 | OZ | IPU | N | Test Data Out |
| TRST | 21 | I | IPD | N | Test Reset |
| EMU[0] | 32 | IO | IPU | N | Emulation Pin 0 |
| EMU[1] | 34 | IO | IPU | N | Emulation Pin 1 |
| Power Pins | | | | | |
| Core Supply (CV _{DD}) | 8, 16, 20, 33, 44, 53, 57, 65, 77, 85, 90, 101, 123, 128, 132 | | | | |
| IO Supply (DV _{DD}) | 10, 31, 42, 50, 60, 68, 73, 81, 92, 103, 112, 125, 136 | | | | |
| Ground (V _{SS}) | 1, 6, 13, 15, 18, 26, 30, 36, 40, 47, 54, 62, 69, 72, 78, 82, 87, 95, 99, 106, 109, 114, 118, 124, 129, 133, 140 | | | | |

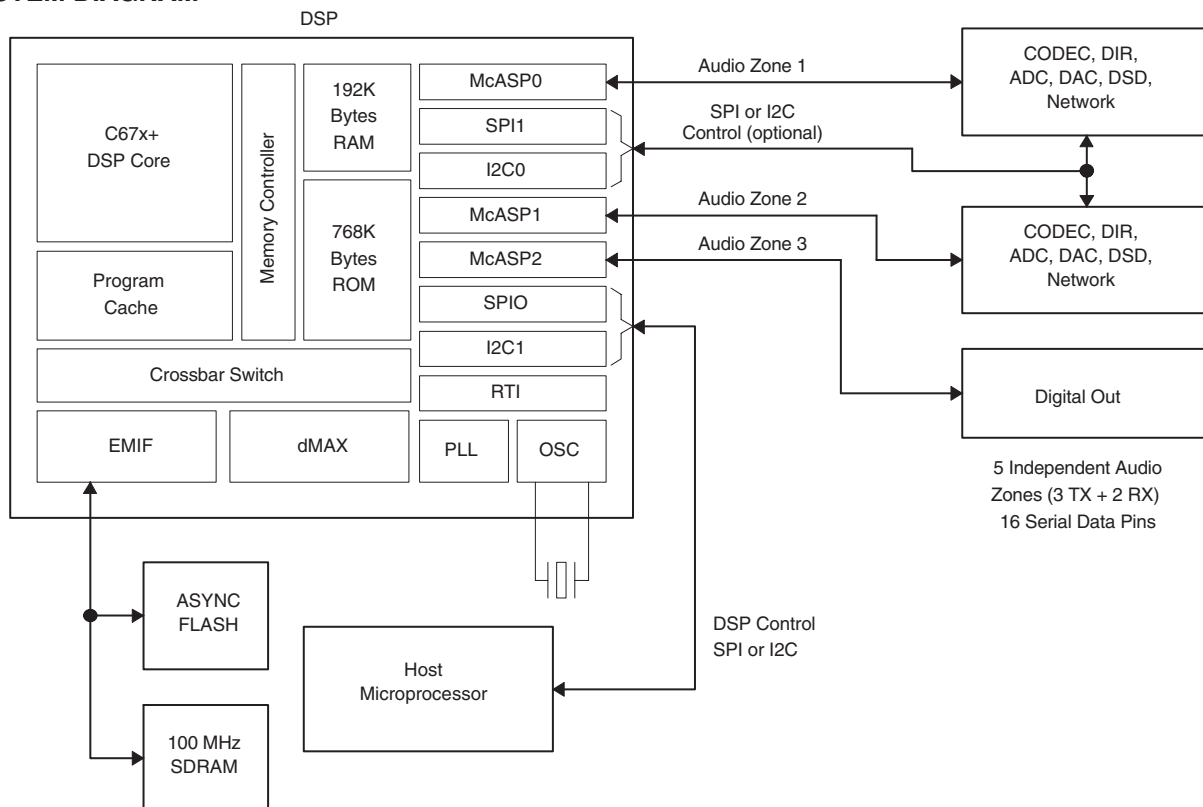
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -22

Q3601 : D707E001BRFP250 (32 bit Floating-Point Digital Signal Processor)

BLOCK DIAGRAM



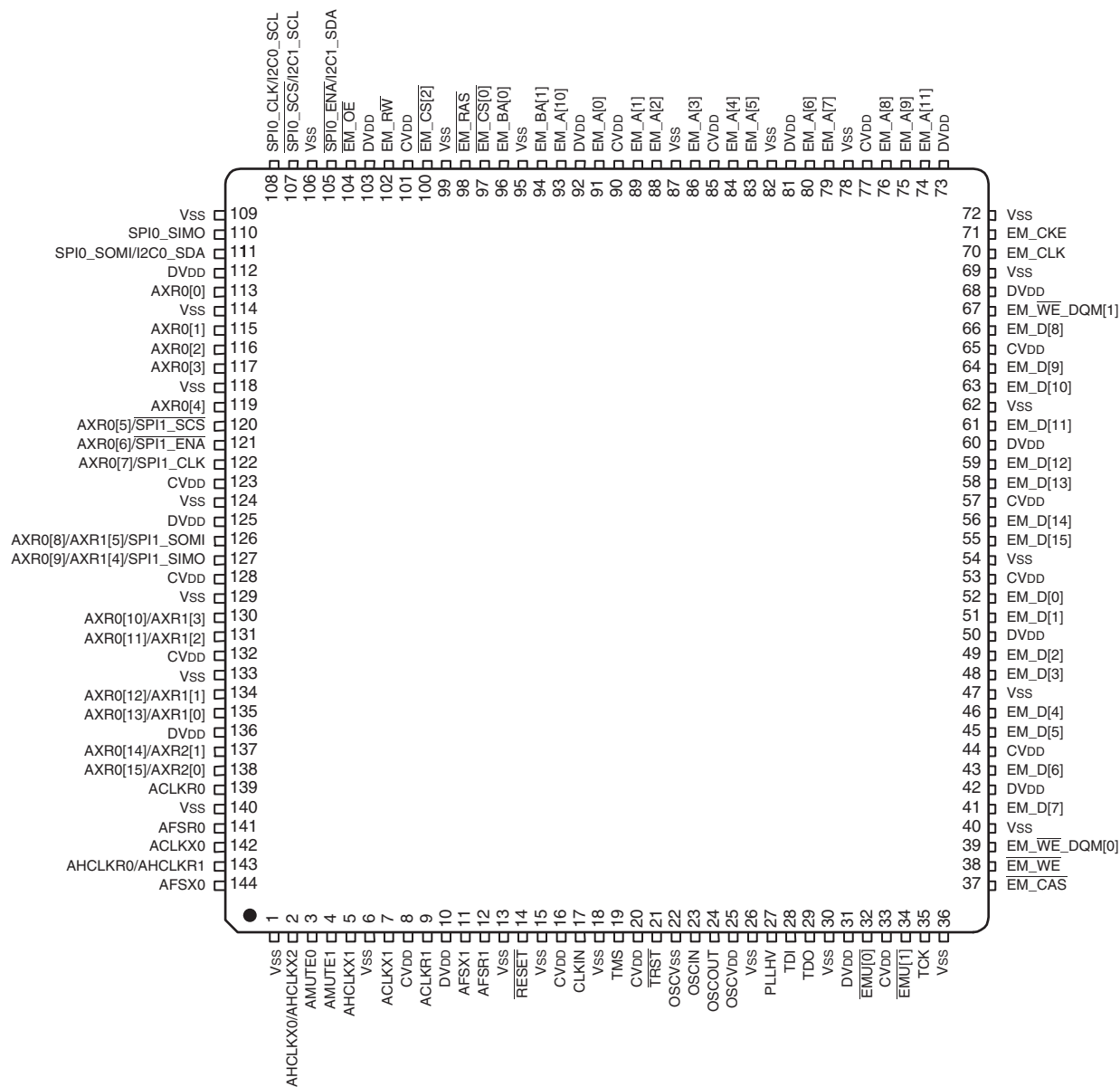
SYSTEM DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -23

Q3601 : D707E001BRFP250 (32 bit Floating-Point Digital Signal Processor)

PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -24

Q3601 : D707E001BRFP250 (32 bit Floating-Point Digital Signal Processor)

TERMINAL DESCRIPTION(1/3)

| SIGNAL NAME | PIN NO. | TYPE | DESCRIPTION |
|---|---------|------|--|
| External Memory Interface (EMIF) Address and Control | | | |
| EM_A[0] | 91 | O | EMIF Address Bus |
| EM_A[1] | 89 | O | |
| EM_A[2] | 88 | O | |
| EM_A[3] | 86 | O | |
| EM_A[4] | 84 | O | |
| EM_A[5] | 83 | O | |
| EM_A[6] | 80 | O | |
| EM_A[7] | 79 | O | |
| EM_A[8] | 76 | O | |
| EM_A[9] | 75 | O | |
| EM_A[10] | 93 | O | |
| EM_A[11] | 74 | O | |
| EM_BA[0] | 96 | O | SDRAM Bank Address and Asynchronous Memory Low-Order Address |
| EM_BA[1] | 94 | O | |
| EM_CS[0] | 97 | O | SDRAM Chip Select |
| EM_CS[2] | 100 | O | Asynchronous Memory Chip Select |
| EM_CAS | 37 | O | SDRAM Column Address Strobe |
| EM_RAS | 98 | O | SDRAM Row Address Strobe |
| EM_WE | 38 | O | SDRAM Write Enable |
| EM_CKE | 71 | O | SDRAM Clock Enable |
| EM_CLK | 70 | O | SDRAM Clock |
| EM_WE_DQM[0] | 39 | O | Write Enable or Byte Enable for EM_D[7:0] |
| EM_WE_DQM[1] | 67 | O | Write Enable or Byte Enable for EM_D[15:8] |
| EM_OE | 104 | O | SDRAM Output Enable |
| EM_RW | 102 | O | Asynchronous Memory Read/not Write |
| External Memory Interface (EMIF) Data Bus | | | |
| EM_D[0] | 52 | IO | EMIF Data Bus [Lower 16 Bits] |
| EM_D[1] | 51 | IO | |
| EM_D[2] | 49 | IO | |
| EM_D[3] | 48 | IO | |
| EM_D[4] | 46 | IO | |
| EM_D[5] | 45 | IO | |
| EM_D[6] | 43 | IO | |
| EM_D[7] | 41 | IO | |
| EM_D[8] | 66 | IO | |
| EM_D[9] | 64 | IO | |
| EM_D[10] | 63 | IO | |
| EM_D[11] | 61 | IO | |
| EM_D[12] | 59 | IO | |
| EM_D[13] | 58 | IO | |
| EM_D[14] | 56 | IO | |
| EM_D[15] | 55 | IO | |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -25

Q3601 : D707E001BRFP250 (32 bit Floating-Point Digital Signal Processor)

TERMINAL DESCRIPTION(2/3)

| SIGNAL NAME | PIN NO. | TYPE | DESCRIPTION |
|--|---------|------|---|
| McASP0, McASP1, McASP2, and SPI1 Serial Ports | | | |
| AHCLKR0/AHCLKR1 | 143 | IO | McASP0 and McASP1 Receive Master Clock |
| ACLKR0 | 139 | IO | McASP0 Receive Bit Clock |
| AFSR0 | 141 | IO | McASP0 Receive Frame Sync (L/R Clock) |
| AHCLKX0/AHCLKX2 | 2 | IO | McASP0 and McASP2 Transmit Master Clock |
| ACLKX0 | 142 | IO | McASP0 Transmit Bit Clock |
| AFSX0 | 144 | IO | McASP0 Transmit Frame Sync (L/R Clock) |
| AMUTE0 | 3 | O | McASP0 MUTE Output |
| AXR0[0] | 113 | IO | McASP0 Serial Data 0 |
| AXR0[1] | 115 | IO | McASP0 Serial Data 1 |
| AXR0[2] | 116 | IO | McASP0 Serial Data 2 |
| AXR0[3] | 117 | IO | McASP0 Serial Data 3 |
| AXR0[4] | 119 | IO | McASP0 Serial Data 4 |
| AXR0[5]/SPI1_SCS | 120 | IO | McASP0 Serial Data 5 or SPI1 Slave Chip Select |
| AXR0[6]/SPI1_ENA | 121 | IO | McASP0 Serial Data 6 or SPI1 Enable (Ready) |
| AXR0[7]/SPI1_CLK | 122 | IO | McASP0 Serial Data 7 or SPI1 Serial Clock |
| AXR0[8]/AXR1[5]/SPI1_SOMI | 126 | IO | McASP0 Serial Data 8 or McASP1 Serial Data 5 or SPI1 Data Pin Slave Out Master In |
| AXR0[9]/AXR1[4]/SPI1_SIMO | 127 | IO | McASP0 Serial Data 9 or McASP1 Serial Data 4 or SPI1 Data Pin Slave In Master Out |
| AXR0[10]/AXR1[3] | 130 | IO | McASP0 Serial Data 10 or McASP1 Serial Data 3 |
| AXR0[11]/AXR1[2] | 131 | IO | McASP0 Serial Data 11 or McASP1 Serial Data 2 |
| AXR0[12]/AXR1[1] | 134 | IO | McASP0 Serial Data 12 or McASP1 Serial Data 1 |
| AXR0[13]/AXR1[0] | 135 | IO | McASP0 Serial Data 13 or McASP1 Serial Data 0 |
| AXR0[14]/AXR2[1] | 137 | IO | McASP0 Serial Data 14 or McASP2 Serial Data 1 |
| AXR0[15]/AXR2[0] | 138 | IO | McASP0 Serial Data 15 or McASP2 Serial Data 0 |
| ACLKR1 | 9 | IO | McASP1 Receive Bit Clock |
| AFSR1 | 12 | IO | McASP1 Receive Frame Sync (L/R Clock) |
| AHCLKX1 | 5 | IO | McASP1 Transmit Master Clock |
| ACLKX1 | 7 | IO | McASP1 Transmit Bit Clock |
| AFSX1 | 11 | IO | McASP1 Transmit Frame Sync (L/R Clock) |
| AMUTE1 | 4 | O | McASP1 MUTE Output |
| SPI0, I2C0, and I2C1 Serial Port Pins | | | |
| SPI0_SOMI/I2C0_SDA | 111 | IO | SPI0 Data Pin Slave Out Master In or I2C0 Serial Data |
| SPI0_SIMO | 110 | IO | SPI0 Data Pin Slave In Master Out |
| SPI0_CLK/I2C0_SCL | 108 | IO | SPI0 Serial Clock or I2C0 Serial Clock |
| SPI0_SCS/I2C1_SCL | 107 | IO | SPI0 Slave Chip Selector I2C1 Serial Clock |
| SPI0_ENA/I2C1_SDA | 105 | IO | SPI0 Enable (Ready) or I2C1 Serial Data |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -26

Q3601 : D707E001BRFP250 (32 bit Floating-Point Digital Signal Processor)

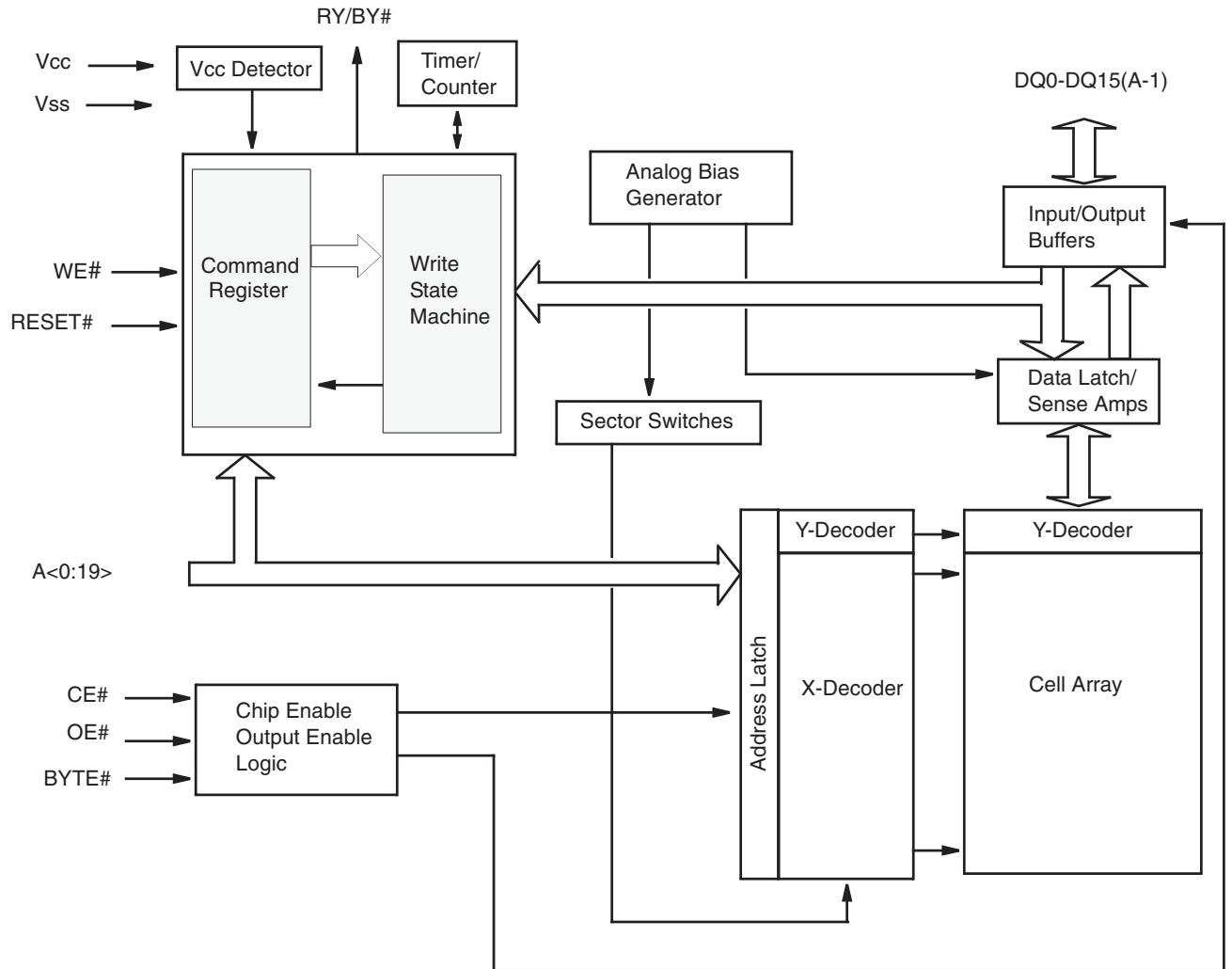
TERMINAL DESCRIPTION(3/3)

| SIGNAL NAME | PIN NO. | TYPE | DESCRIPTION |
|----------------------------|--|------|---|
| Clocks | | | |
| OSCIN | 23 | I | 1.2-V OscillatorInput |
| OSCOU | 24 | O | 1.2-V OscillatorOutput |
| OSCVDD | 25 | PWR | Oscillator 1.2-V VDD tap point (for filter only) |
| OSCVSS | 22 | PWR | Oscillator VSS tap point (for filter only) |
| CLKIN | 17 | I | Alternate clock input (3.3-V LVCMOS Input) |
| PLLHV | 27 | PWR | PLL 3.3-V Supply Input (requires external filter) |
| Device Reset | | | |
| RESET | 14 | I | Device reset pin |
| Emulation/JTAG Port | | | |
| TCK | 35 | I | Test Clock |
| TMS | 19 | I | Test Mode Select |
| TDI | 28 | I | Test Data In |
| TDO | 29 | OZ | Test Data Out |
| TRST | 21 | I | Test Reset |
| EMU[0] | 32 | IO | Emulation Pin 0 |
| EMU[1] | 34 | IO | Emulation Pin 1 |
| Power Pins | | | |
| Core Supply (CVDD) | 8, 16, 20, 33, 44, 53, 57, 65, 77, 85, 90, 101, 123, 128, 132 | | |
| IO Supply (DVDD) | 10, 31, 42, 50, 60, 68, 73, 81, 92, 103, 112, 125, 136 | | |
| Ground (VSS) | 1, 6, 13, 15, 18, 26, 30, 36, 40, 47, 54, 62, 69, 72, 78, 82, 87, 95, 99, 106, 109, 114, 118, 124, 129, 133, 140 | | |

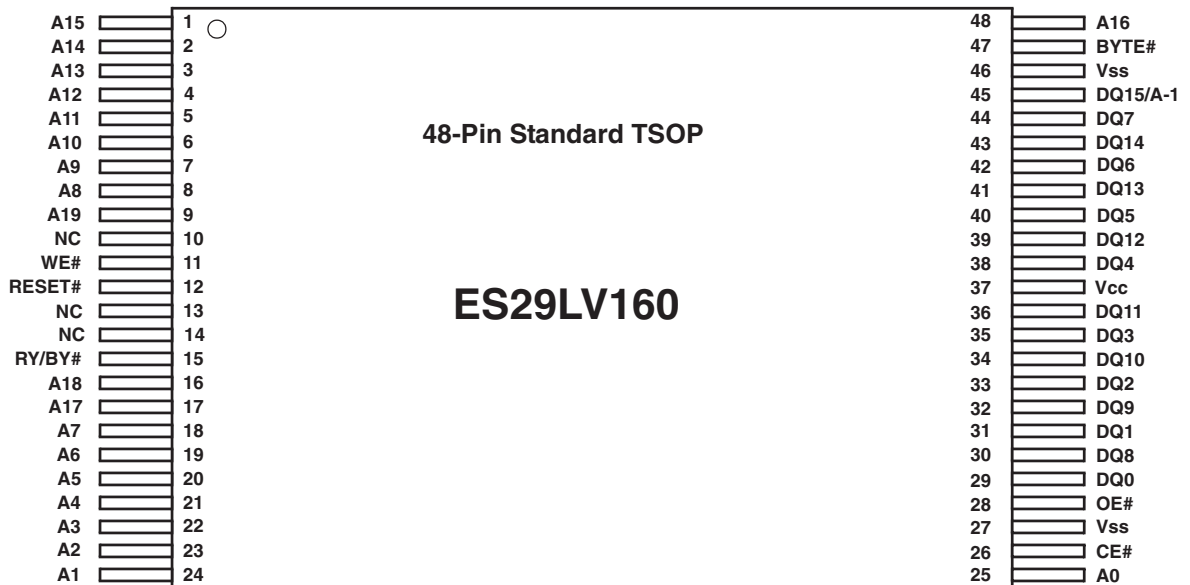
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -27

Q3451: ES29LV160ET-70TG (16 Mbit Flash Memory)

BLOCK DIAGRAM



PIN CONFIGURATION



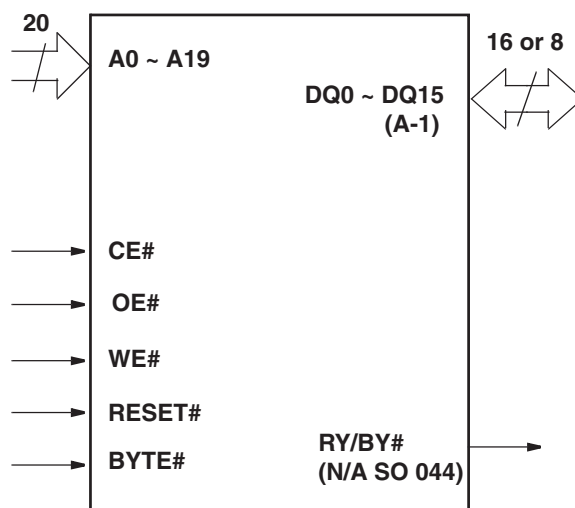
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -28

Q3451: ES29LV160ET-70TG (16 Mbit Flash Memory)

TERMINAL DESCRIPTION

| Pin | Description |
|----------|---|
| A0-A19 | 20 Addresses |
| DQ0-DQ14 | 15 Data Inputs/Outputs |
| DQ15/A-1 | DQ15 (Data Input/Output, Word Mode) A-1 (LSB Address Input, Byte Mode) |
| CE# | Chip Enable |
| OE# | Output Enable |
| WE# | Write Enable |
| RESET# | Hardware Reset Pin, Active Low |
| BYTE# | Selects 8-bit or 16-bit mode |
| RY/BY# | Ready/Busy Output (N/A SO 044) |
| Vcc | 3.0 volt-only single power supply (see Product Selector Guide for speed options and voltage supply tolerances) |
| Vss | Device Ground |
| NC | Pin Not Connected Internally |

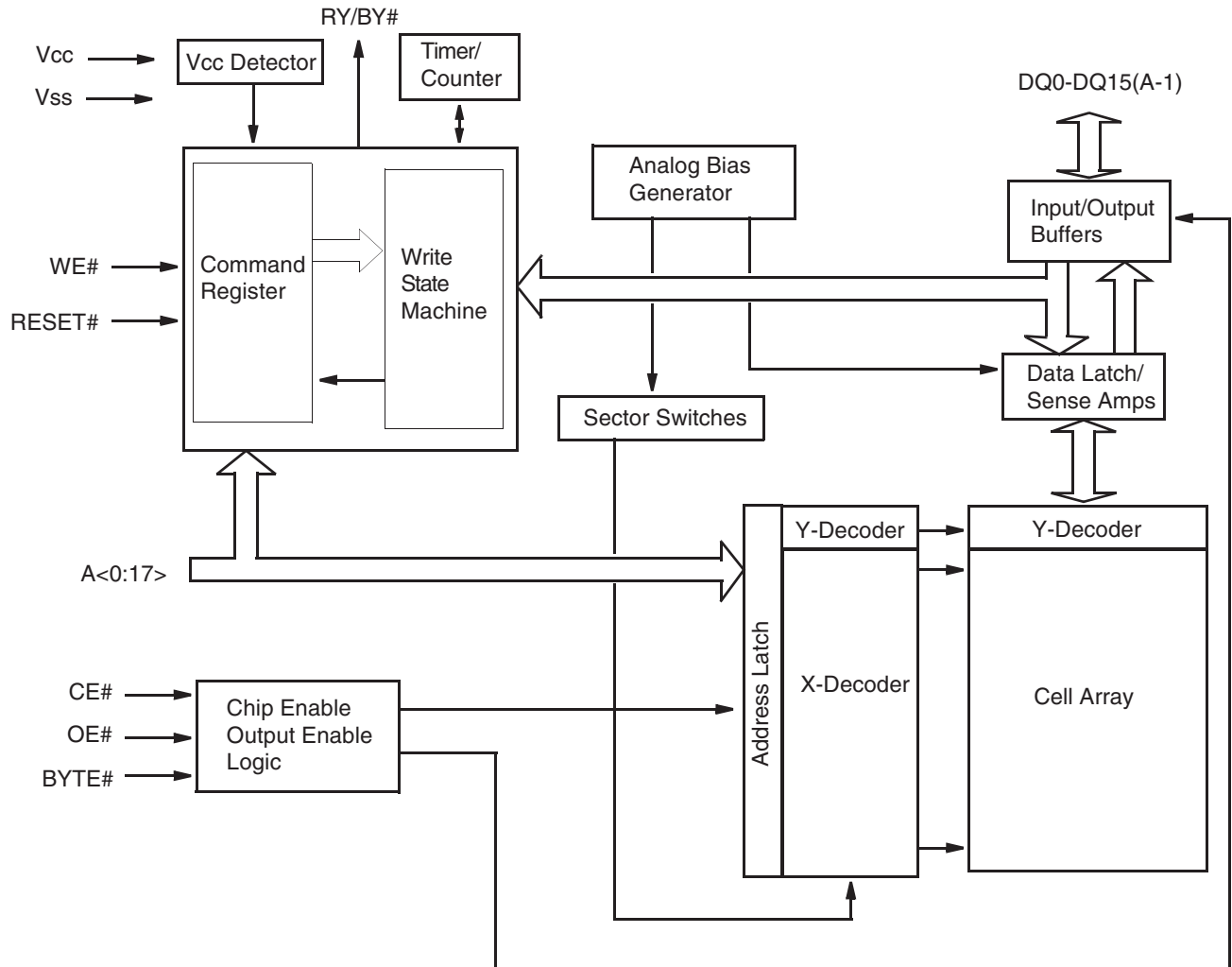
LOGIC SYMBOL



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -29

Q3551 : ES29LV400ET-70TG (4 Mbit Flash Memory)

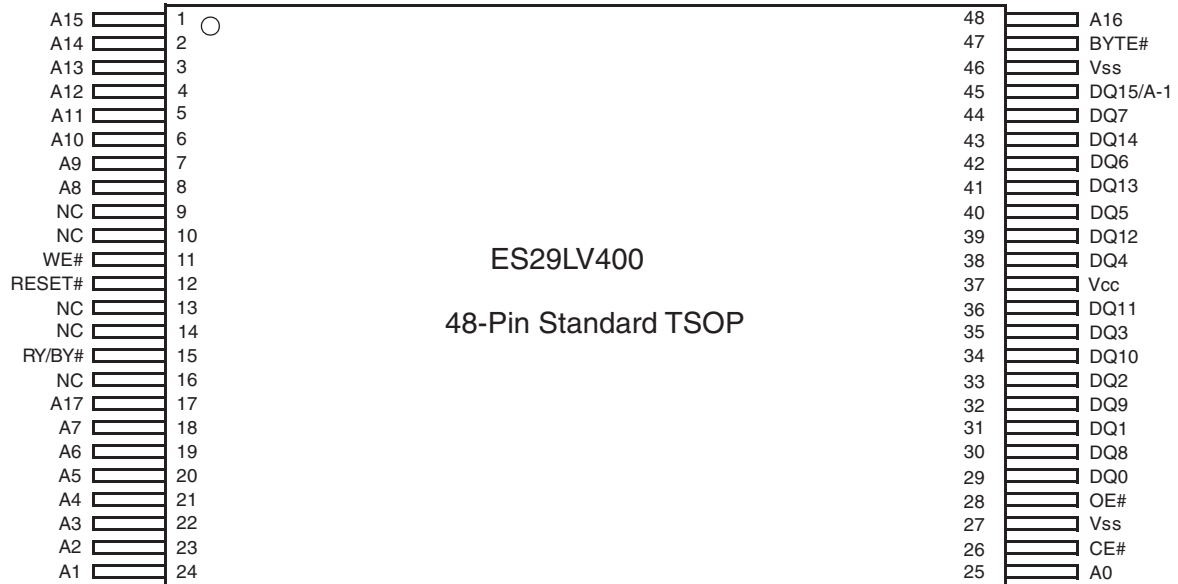
BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -30

Q3551 : ES29LV400ET-70TG (4 Mbit Flash Memory)

PIN CONFIGURATION



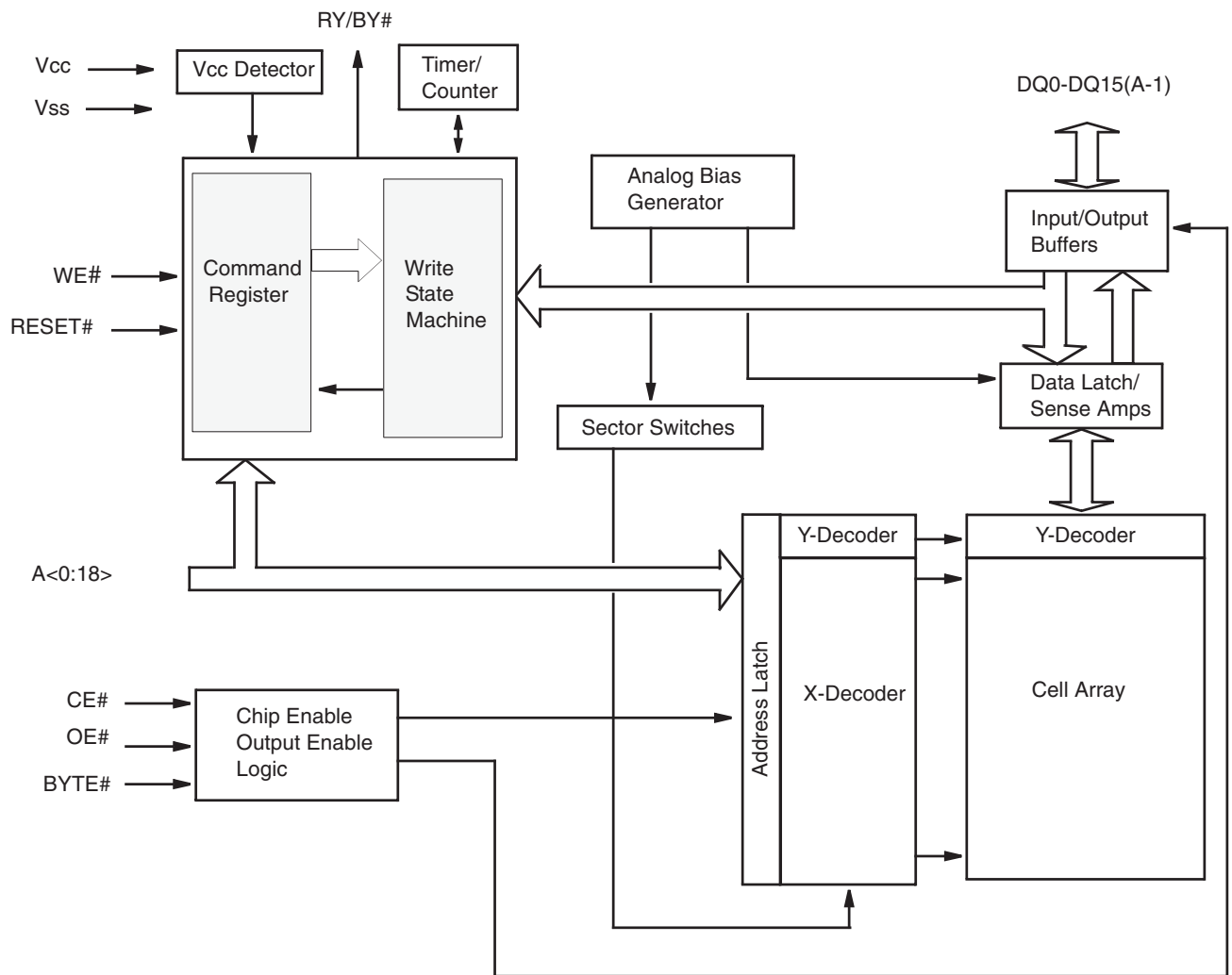
TERMINAL DESCRIPTION

| Terminal | Description |
|----------|---|
| A0-A17 | 18 Addresses |
| DQ0-DQ14 | 15 Data Inputs/Outputs |
| DQ15/A-1 | DQ15 (Data Input/Output, Word Mode) A-1 (LSB Address Input, Byte Mode) |
| CE# | Chip Enable |
| OE# | Output Enable |
| WE# | Write Enable |
| RESET# | Hardware Reset Pin, Active Low |
| BYTE# | Selects 8-bit or 16-bit mode |
| RY/BY# | Ready/Busy Output |
| Vcc | 3.0 volt-only single power supply (see Product Selector Guide for speed options and voltage supply tolerances) |
| Vss | Device Ground |
| NC | Pin Not Connected Internally |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -31

Q3651 : ES29LV800ET-70TG (8 Mbit Flash Memory)

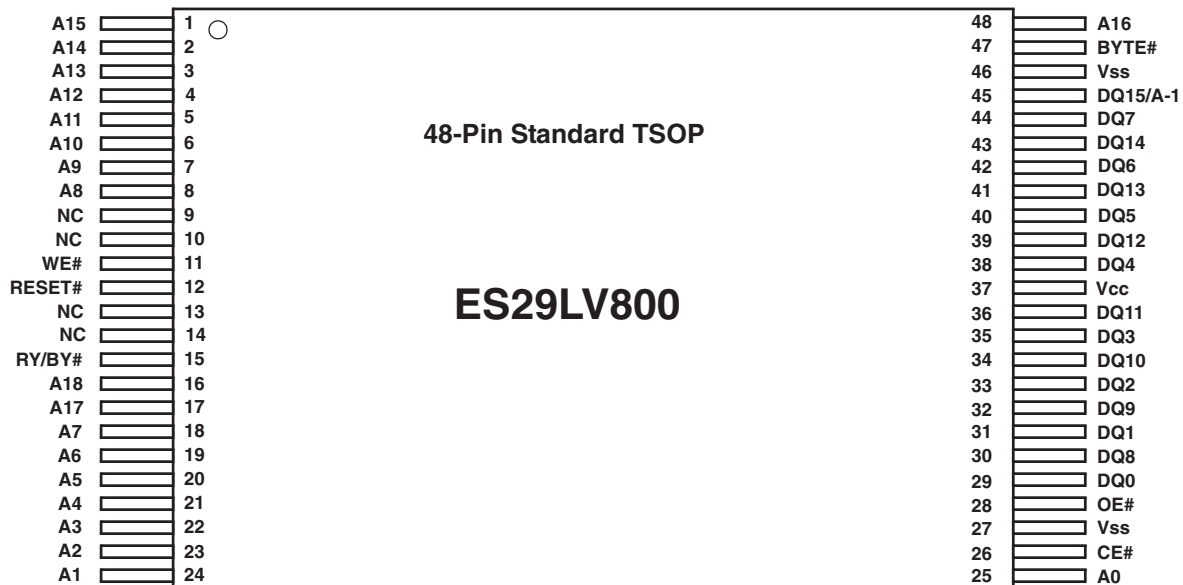
BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -32

Q3651 : ES29LV800ET-70TG (8 Mbit Flash Memory)

PIN CONFIGURATION



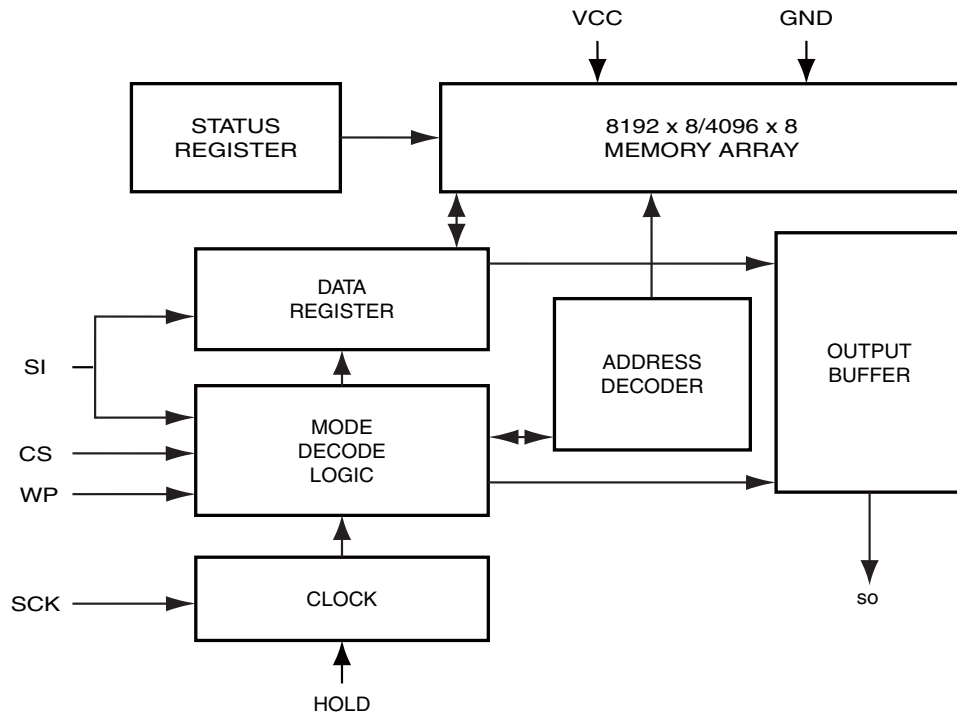
TERMINAL DESCRIPTION

| Pin | Description |
|----------|---|
| A0-A18 | 19 Addresses |
| DQ0-DQ14 | 15 Data Inputs/Outputs |
| DQ15/A-1 | DQ15 (Data Input/Output, Word Mode) A-1 (LSB Address Input, Byte Mode) |
| CE# | Chip Enable |
| OE# | Output Enable |
| WE# | Write Enable |
| RESET# | Hardware Reset Pin, Active Low |
| BYTE# | Selects 8-bit or 16-bit mode |
| RY/BY# | Ready/Busy Output |
| Vcc | 3.0 volt-only single power supply (see Product Selector Guide for speed options and voltage supply tolerances) |
| Vss | Device Ground |
| NC | Pin Not Connected Internally |

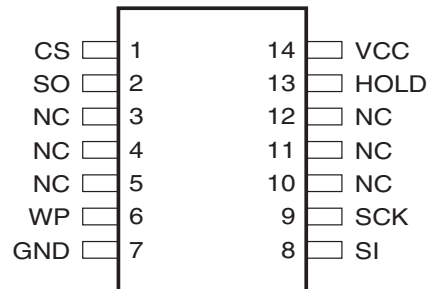
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -33

Q7391: IS25C64A(64kbit EEPROM)

BLOCK DIAGRAM



PIN CONFIGURATION



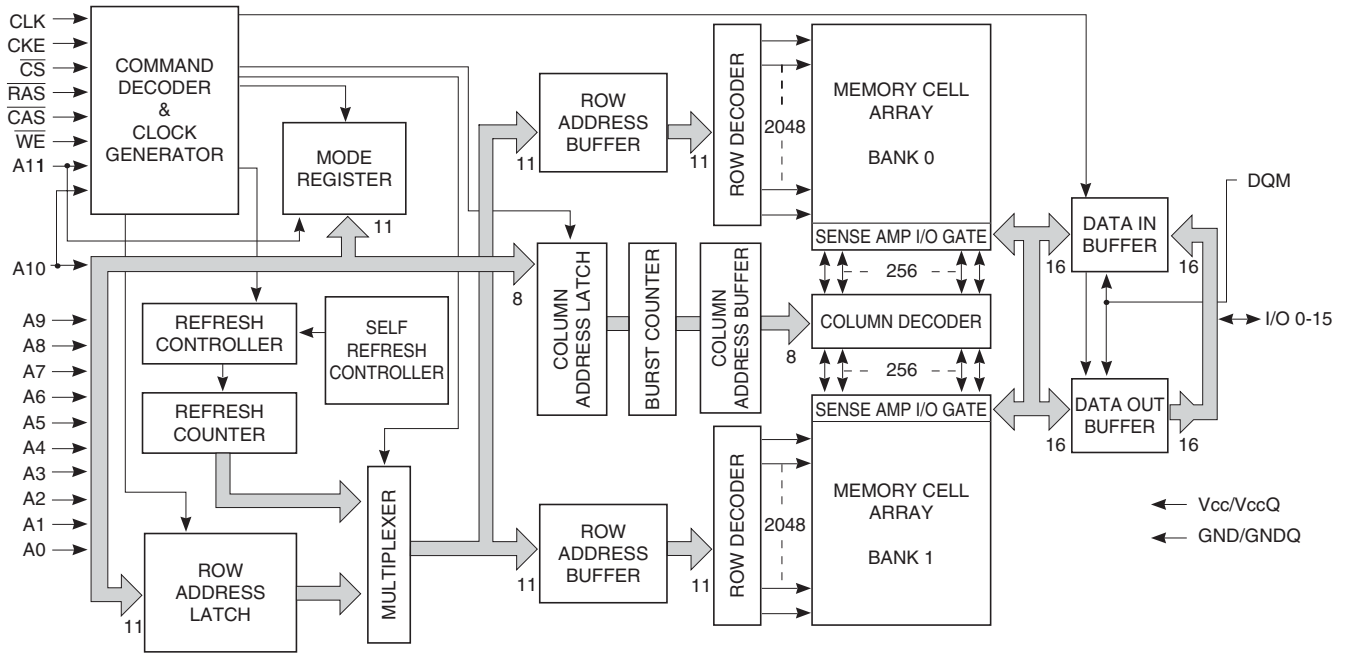
TERMINAL DESCRIPTION

| | |
|------|-----------------------|
| CS | Chip Select |
| SCK | Serial Data Clock |
| SI | Serial Data Input |
| SO | Serial Data Output |
| GND | Ground |
| Vcc | Power |
| WP | Write Protect |
| HOLD | Suspends Serial Input |
| NC | No Connect |

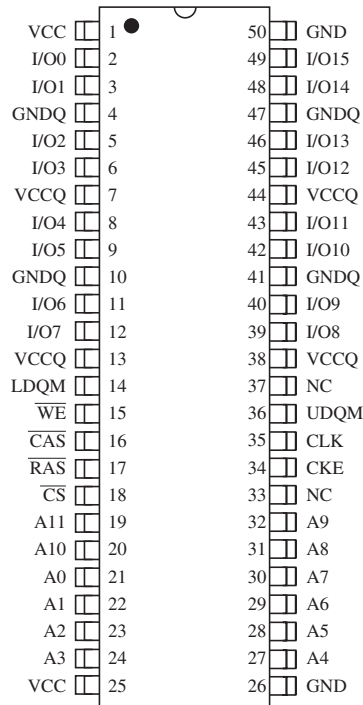
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -34

Q3461, Q3471, Q3561: IC42S16100 (16-Mbit Synchronous Dynamic RAM)

BLOCK DIAGRAM



PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -35

Q3461, Q3471, Q3561: IC42S16100 (16-Mbit Synchronous Dynamic RAM)

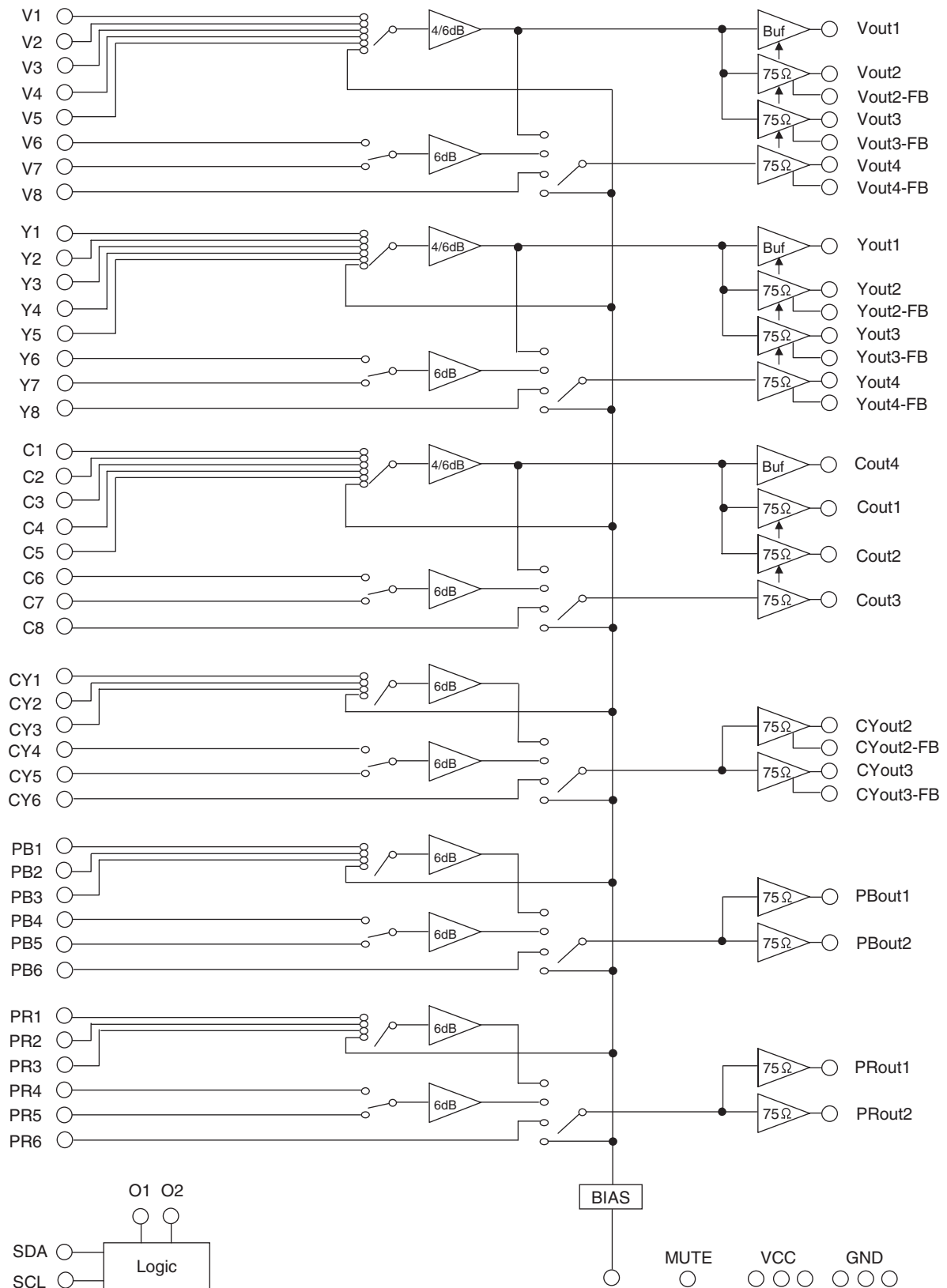
TERMINAL DESCRIPTION

| Pin No. | Pin name | Function (In Detail) |
|---|-------------------------|--|
| 20 to 24 27 to 32 | A0-A10 | A0 to A10 are address inputs. A0-A10 are used as row address inputs during active command input and A0-A7 as column address inputs during read or write command input. A10 is also used to determine the precharge mode during other commands. If A10 is LOW during precharge command, the bank selected by A11 is precharged, but if A10 is HIGH, both banks will be precharged. When A10 is HIGH in read or write command cycle, the precharge starts automatically after the burst access. These signals become part of the OP CODE during mode register set command input. |
| 19 | A11 | A11 is the bank selection signal. When A11 is LOW, bank 0 is selected and when high, bank 1 is selected. This signal becomes part of the OP CODE during mode register set command input. |
| 16 | $\overline{\text{CAS}}$ | $\overline{\text{CAS}}$, in conjunction with the $\overline{\text{RAS}}$ and $\overline{\text{WE}}$, forms the device command. See the "Command Truth Table" item for details on device commands. |
| 34 | CKE | The CKE input determines whether the CLK input is enabled within the device. When is CKE HIGH, the next rising edge of the CLK signal will be valid, and when LOW, invalid. When CKE is LOW, the device will be in either the power-down mode, the clock suspend mode, or the self refresh mode. The CKE is an asynchronous input. |
| 35 | CLK | CLK is the master clock input for this device. Except for CKE, all inputs to this device are acquired in synchronization with the rising edge of this pin. |
| 18 | $\overline{\text{CS}}$ | The $\overline{\text{CS}}$ input determines whether command input is enabled within the device. Command input is enabled when $\overline{\text{CS}}$ is LOW, and disabled with $\overline{\text{CS}}$ is HIGH. The device remains in the previous state when $\overline{\text{CS}}$ is HIGH. |
| 2, 3, 5, 6, 8, 9, 11, 12, 39, 40, 42, 43, 45, 46, 48, 49 | I/O0 to I/O15 | I/O0 to I/O15 are I/O pins. I/O through these pins can be controlled in byte units using the LDQM and UDQM pins. |
| 14, 36 | LDQM, UDQM | LDQM and UDQM control the lower and upper bytes of the I/O buffers. In read mode, LDQM and UDQM control the output buffer. When LDQM or UDQM is LOW, the corresponding buffer byte is enabled, and when HIGH, disabled. The outputs go to the HIGH impedance state when LDQM/UDQM is HIGH. This function corresponds to $\overline{\text{OE}}$ in conventional DRAMs. In write mode, LDQM and UDQM control the input buffer. When LDQM or UDQM is LOW, the corresponding buffer byte is enabled, and data can be written to the device. When LDQM or UDQM is HIGH, input data is masked and cannot be written to the device. |
| 17 | $\overline{\text{RAS}}$ | $\overline{\text{RAS}}$, in conjunction with $\overline{\text{CAS}}$ and $\overline{\text{WE}}$, forms the device command. See the "Command Truth Table" item for details on device commands. |
| 15 | $\overline{\text{WE}}$ | $\overline{\text{WE}}$, in conjunction with $\overline{\text{RAS}}$ and $\overline{\text{CAS}}$, forms the device command. See the "Command Truth Table" item for details on device commands. |
| 7, 13, 38, 44 | VccQ | VccQ is the output buffer power supply. |
| 1, 25 | Vcc | Vcc is the device internal power supply. |
| 4, 10, 41, 47 | GNDQ | GNDQ is the output buffer ground. |
| 26, 50 | GND | GND is the device internal ground. |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -36

Q4002: AN15881A (Video SW for TV with Multi-signal 14 Inputs and 4 Outputs)

BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -37**Q4002: AN15881A (Video SW for TV with Multi-signal 14 Inputs and 4 Outputs)****TERMINAL DESCRIPTION (1/3)**

| Pin No. | Pin name | Type | Description |
|---------|----------|--------------|----------------------------|
| 1 | Y3 | In | Luminance signal input 3 |
| 2 | Y4 | In | Luminance signal input 4 |
| 3 | Y5 | In | Luminance signal input 5 |
| 4 | Y6 | In | Luminance signal input 6 |
| 5 | Y7 | In | Luminance signal input 7 |
| 6 | Y8 | In | Luminance signal input 8 |
| 7 | VCC1 | Power supply | 5.0V power supply |
| 8 | C1 | In | Chrominance signal input 1 |
| 9 | C2 | In | Chrominance signal input 2 |
| 10 | C3 | In | Chrominance signal input 3 |
| 11 | C4 | In | Chrominance signal input 4 |
| 12 | C5 | In | Chrominance signal input 5 |
| 13 | GND1 | Ground | Ground |
| 14 | C6 | In | Chrominance signal input 6 |
| 15 | C7 | In | Chrominance signal input 7 |
| 16 | C8 | In | Chrominance signal input 8 |
| 17 | BIAS | Output | Bias voltage |
| 18 | CY1 | In | CY1 signal input |
| 19 | CY2 | In | CY2 signal input |
| 20 | CY3 | In | CY3 signal input |
| 21 | CY4 | In | CY4 signal input |
| 22 | CY5 | In | CY5 signal input |
| 23 | CY6 | In | CY6 signal input |
| 24 | PB1 | In | PB1 signal input |
| 25 | PB2 | In | PB2 signal input |
| 26 | PB3 | In | PB3 signal input |
| 27 | PB4 | In | PB4 signal input |
| 28 | PB5 | In | PB5 signal input |
| 29 | PB6 | In | PB6 signal input |
| 30 | PR1 | In | PR1 signal input |
| 31 | PR2 | In | PR2 signal input |
| 32 | PR3 | In | PR3 signal input |
| 33 | PR4 | In | PR4 signal input |
| 34 | PR5 | In | PR5 signal input |
| 35 | PR6 | In | PR6 signal input |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -38**Q4002: AN15881A (Video SW for TV with Multi-signal 14 Inputs and 4 Outputs)****TERMINAL DESCRIPTION (2/3)**

| Pin No. | Pin name | Type | Description |
|---------|-----------|--------------|----------------------------------|
| 36 | MUTE | In | Mute control pin |
| 37 | PROUT2 | Out | PROUT2 signal output |
| 38 | O1 | Out | General output 1 |
| 39 | PROUT1 | Out | PROUT1 signal output |
| 40 | O2 | Out | General output 2 |
| 41 | PBOUT2 | Out | PBOUT2 signal output |
| 42 | PBOUT1 | Out | PBOUT1 signal output |
| 43 | GND2 | Ground | Ground |
| 44 | CYOUT3-FB | In | CYOUT3 feedback input |
| 45 | CYOUT3 | Out | CYOUT3 signal output |
| 46 | CYOUT2-FB | In | CYOUT2 feedback input |
| 47 | CYOUT2 | Out | CYOUT2 signal output |
| 48 | COUT4 | Out | COUT4 signal output |
| 49 | VCC2 | Power supply | 5.0V power supply |
| 50 | COUT3 | Out | COUT3 signal output |
| 51 | COUT2 | Out | COUT2 signal output |
| 52 | COUT1 | Out | COUT1 signal output |
| 53 | GND3 | Ground | Ground |
| 54 | YOUT4-FB | In | YOUT4 feedback input |
| 55 | YOUT4 | Out | YOUT4 signal output |
| 56 | YOUT3-FB | In | YOUT3 feedback input |
| 57 | YOUT3 | Out | YOUT3 signal output |
| 58 | YOUT2-FB | In | YOUT2 feedback input |
| 59 | YOUT2 | Out | YOUT2 signal output |
| 60 | YOUT1 | Out | YOUT1 signal output |
| 61 | VCC3 | Power supply | 5.0V power supply |
| 62 | VOUT4-FB | In | VOUT4 feedback input |
| 63 | VOUT4 | Out | VOUT4 signal output |
| 64 | SDA | In | I ² C bus data input |
| 65 | VOUT3-FB | In | VOUT3 feedback input |
| 66 | VOUT3 | Out | VOUT3 signal output |
| 67 | VOUT2-FB | In | VOUT2 feedback input |
| 68 | VOUT2 | Out | VOUT2 signal output |
| 69 | VOUT1 | Out | VOUT1 signal output |
| 70 | SCL | In | I ² C bus clock input |

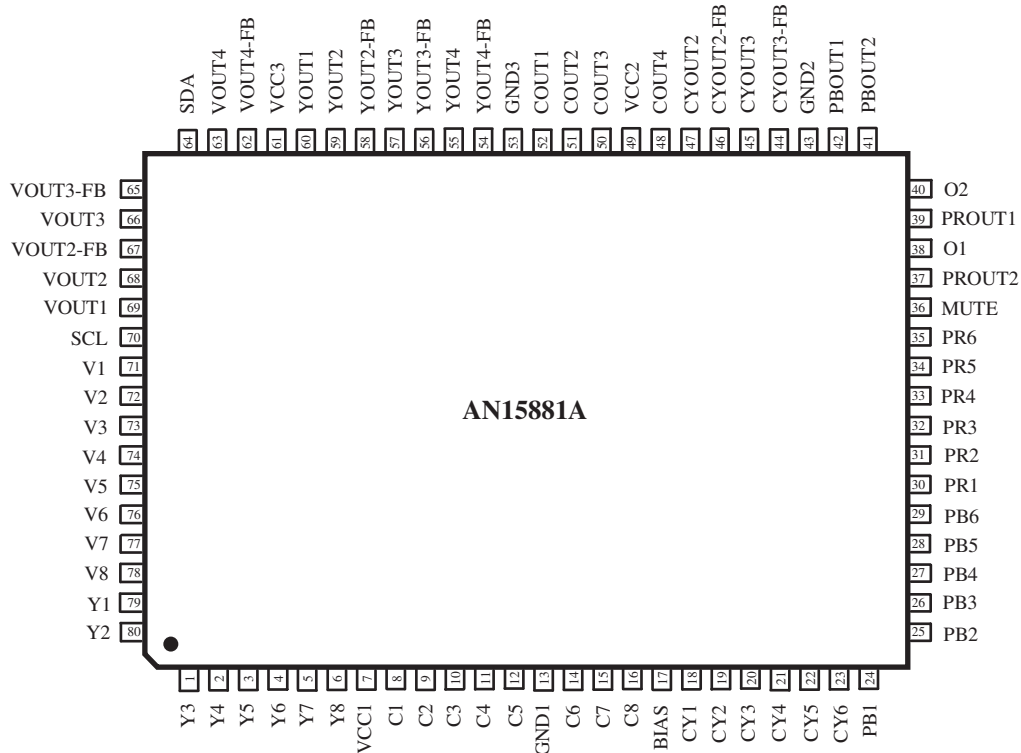
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -39

Q4002: AN15881A (Video SW for TV with Multi-signal 14 Inputs and 4 Outputs)

TERMINAL DESCRIPTION (3/3)

| Pin No. | Pin name | Type | Description |
|---------|----------|------|--------------------------------|
| 71 | V1 | In | Video composite signal input 1 |
| 72 | V2 | In | Video composite signal input 2 |
| 73 | V3 | In | Video composite signal input 3 |
| 74 | V4 | In | Video composite signal input 4 |
| 75 | V5 | In | Video composite signal input 5 |
| 76 | V6 | In | Video composite signal input 6 |
| 77 | V7 | In | Video composite signal input 7 |
| 78 | V8 | In | Video composite signal input 8 |
| 79 | Y1 | In | Luminance signal input 1 |
| 80 | Y2 | In | Luminance signal input 2 |

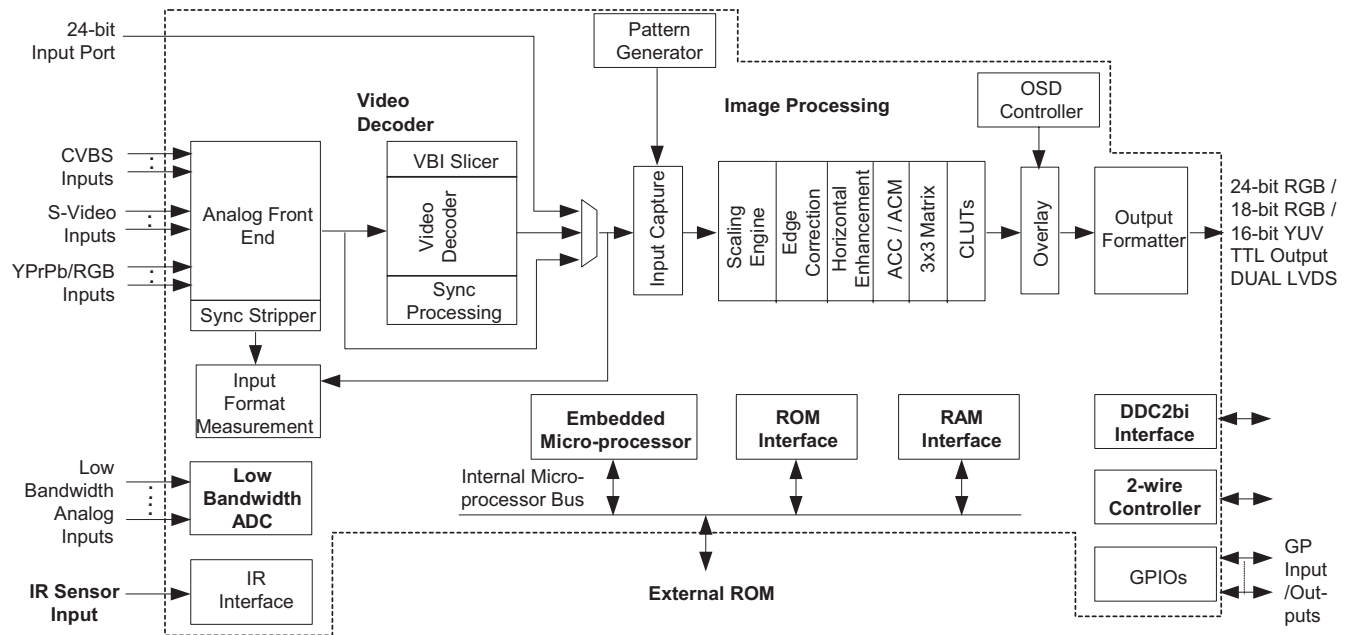
PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -40

Q8001: FLI8125-LF-BC (Video Processor)

BLOCK DIAGRAM



FEATURES

INTEGRATED TRIPLE ADC

- RGB / YPbPr support up to 135MHz
- SCART – RGB + Fast Blank support
- Interlaced and progressive scan
- External OSD support

DIGITAL INPUT PORT

- 24-bit re-configurable input port

INTEGRATED 2D VIDEO DECODER

- Worldwide NTSC/PAL/SECAM support
- Macrovision / VCR trick mode support

EMBEDDED MICROPROCESSOR

- Turbo 186 core
- Internal RAM / ROM
- Serial Flash / Parallel ROM support
- 2-wire slave controller, UART / JTAG support
- Internal RESET Controller
- GPIOs , Low Bandwidth ADC – 6 input
- Infra-red Interface

SCALING ENGINE

- Independent H & V scaling factors
- 4:2:2 YPbPr or 4:4:4 RGB scaling
- Anamorphic scaling (non-linear)

FAROUDJA DCDI – EDGE™

- Edge Correction
 - Eliminates objectionable stair casing
 - Enhances clarity and realism
- Horizontal Enhancement
- Adaptive Contrast and Color
- Active Color Management

DIGITAL OUTPUT

- 18/24-bit 85Mhz TTL output
- Dual LVDS up to SXGA
- Energy Spectrum Management for reducing EMI
- Programmable CLUT for gamma correction

OSD CONTROLLER

- Up to 4 windows: 1, 2 or 4-bits per pixel color
- Programmable Font scalar to meet Teletext requirements.

VBI SLICER

- V-Chip, Closed Captioning, XDS, CGMS, WSS decode
- Teletext 1.5 support

JTAG SUPPORT

- Boundary Scan support

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -41

Q8001: FLI8125-LF-BC (Video Processor)

PIN CONFIGURATION

| | | | |
|-----------------------|----|-----|----------|
| VDDA33_LBADC | 1 | 208 | GND18_SC |
| LBADC_IN1 | 2 | 207 | VDD18_SC |
| LBADC_IN2 | 3 | 206 | VOUT2 |
| LBADC_IN3 | 4 | 205 | VO_GND |
| LBADC_IN4 | 5 | 204 | SVN |
| LBADC_IN5 | 6 | 203 | AVDD_SC |
| LBADC_IN6 | 7 | 202 | C4P |
| LBADC_RTN | 8 | 200 | B4P |
| VSA33_LBADC | 9 | 199 | GND5 |
| RESETn | 10 | 198 | GND5 |
| GND_RPLL | 11 | 197 | GND5 |
| VDD_RPLL_18 | 12 | 196 | SV4P |
| VBUFC_RPLL | 13 | 195 | AGND |
| AGND_RPLL | 14 | 194 | CN |
| XTAL | 15 | 193 | AVDD_C |
| TCLK | 16 | 192 | C3P |
| AVDD_RPLL_33 | 17 | 191 | GND5 |
| CVDD_1.8 | 18 | 190 | B3P |
| CRVSS | 19 | 189 | GND5 |
| TEST | 20 | 188 | A3P |
| GPIO15 | 21 | 187 | GND5 |
| JTAG_BS_Enn | 22 | 186 | S3P |
| SCART16 | 23 | 185 | AGND |
| HOST_SCLK | 24 | 184 | BN |
| HOST_SDATA | 25 | 183 | AVDD_B |
| DDC_SCLK | 26 | 182 | C2P |
| DDC_SDATA | 27 | 181 | GND5 |
| CVDD_1.8 | 28 | 180 | B2P |
| CRVSS | 29 | 179 | GND5 |
| MSTR_SCLK | 30 | 178 | A2P |
| MSTR_SDATA | 31 | 177 | GND5 |
| RVDD_3.3 | 32 | 176 | SV2P |
| CRVSS | 33 | 175 | AGND |
| GPIO0/TCK | 34 | 174 | AN |
| GPIO1/TDI | 35 | 173 | AVDD_A |
| GPIO2/TMS | 36 | 172 | C1P |
| GPIO3/TRST | 37 | 171 | GND5 |
| GPIO6/IRin | 38 | 170 | B1P |
| CVDD_1.8 | 39 | 169 | GND5 |
| CRVSS | 40 | 168 | A1P |
| GPIO7/IRQin | 41 | 167 | GND5 |
| GPIO8/IRQout | 42 | 166 | SV1P |
| GPIO9/SIPC_SCLK | 43 | 165 | AGND |
| GPIO10/SIPC_SDATA/A18 | 44 | 164 | AGND |
| CVDD_1.8 | 45 | 163 | AVDD_ADC |
| CRVSS | 46 | 162 | ADC_TEST |
| GPIO11/PWM0 | 47 | 161 | VDD18_C |
| GPIO12/PWM1 | 48 | 160 | GND18_C |
| RVDD_3.3 | 49 | 159 | NC |
| CRVSS | 50 | 158 | VDD18_AB |
| GPIO13/PWM2 | 51 | 157 | VSYNCT |
| GPIO14/PWM3/SCART16 | 52 | | |



| | |
|------------------------|-----|
| HSYNC1 | 156 |
| CRVSS | 155 |
| RVDD_3.3 | 154 |
| VID_CLK_1 | 153 |
| VID_DATA_IN_15/GPIO23 | 152 |
| VID_DATA_IN_14/GPIO22 | 151 |
| VID_DATA_IN_13/GPIO21 | 150 |
| VID_DATA_IN_12/GPIO20 | 149 |
| VID_DATA_IN_11/GPIO19 | 148 |
| VID_DATA_IN_10/GPIO18 | 147 |
| VID_DATA_IN_9/GPIO17 | 146 |
| VID_DATA_IN_8/GPIO16 | 145 |
| CRVSS | 144 |
| CVDD_1.8 | 143 |
| VID_DATA_IN_7 | 142 |
| VID_DATA_IN_6 | 141 |
| VID_DATA_IN_5 | 140 |
| VID_DATA_IN_4 | 139 |
| VID_DATA_IN_3 | 138 |
| VID_DATA_IN_2 | 137 |
| VID_DATA_IN_1 | 136 |
| VID_DATA_IN_0 | 135 |
| CRVSS | 134 |
| CVDD_1.8 | 133 |
| VID_DATA_IN_23/D7/PD46 | 132 |
| VID_DATA_IN_22/D6/PD45 | 131 |
| VID_DATA_IN_21/D5/PD44 | 130 |
| VID_DATA_IN_20/D4/PD43 | 129 |
| VID_DATA_IN_19/D3/PD42 | 128 |
| CRVSS | 127 |
| CVDD_1.8 | 126 |
| VID_DATA_IN_18/D2/PD41 | 125 |
| VID_DATA_IN_17/D1/PD40 | 124 |
| VID_DATA_IN_16/D0/PD39 | 123 |
| GPIO4/MIDIN_HS | 122 |
| GPIO5/MIDIN_VS | 121 |
| CRVSS | 120 |
| CVDD_1.8 | 119 |
| VID_CLK2/ROM_OEN/PD24 | 118 |
| CRVSS | 117 |
| RVDD_3.3 | 116 |
| VID_DE/FLD/A0/PD24 | 115 |
| A1/PD25 | 114 |
| A2/PD26 | 113 |
| A3/PD27 | 112 |
| A4/PD28 | 111 |
| A5/PD29 | 110 |
| A6/PD30 | 109 |
| A7/PD31 | 108 |
| A8/PD32 | 107 |
| A9/PD33 | 106 |
| A10/PD34 | 105 |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -42

Q8001: FLI8125-LF-BC (Video Processor)

TERMINAL DESCRIPTION(1/8)

Analog Input Port

| Pin Name | No. | I/O | Description |
|----------|-----|-----|--|
| VDD18_AB | 158 | AP | Analog Power (1.8V) for A & B Channels. Must be bypassed with 0.1uF capacitor to the analog system ground plane. |
| NC | 159 | | No Connection. Leave this pin open for normal operation. |
| GND18_C | 160 | AG | Analog Ground (1.8V Return) for C channel. Must be directly connected to the analog system ground plane on board. |
| VDD18_C | 161 | AP | Analog Power (1.8V) for C Channel. Must be bypassed with 0.1uF capacitor to the analog system ground plane. |
| ADC_TEST | 162 | O | Analog Front End Test O/P. Leave this Pin open. Used for factory testing purpose only. |
| AVDD_ADC | 163 | AP | Analog Power (3.3V) for ADC. Must be bypassed with 0.1uF capacitor to the analog system ground plane. |
| AGND | 164 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| AGND | 165 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| SV1P | 166 | AI | Positive analog sync input for channel 1. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 167 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| A1P | 168 | AI | Positive analog input 'A' for channel 1. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 169 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| B1P | 170 | AI | Positive analog input 'B' for channel 1. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 171 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| C1P | 172 | AI | Positive analog input 'C' for channel 1. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| AVDD_A | 173 | AP | Analog Power (3.3V) for ADC of Channel-A. Must be bypassed with 0.1uF capacitor to the analog system ground plane. |
| AN | 174 | AI | Negative analog input 'A' for channels 1 through 4. This acts as the return Path for the Sources connected to Channel-A Inputs. This has to be AC coupled using a series 57.6 Ohm resistor and 0.1uF Capacitor network to Analog Ground Plane on board. |
| AGND | 175 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| SV2P | 176 | AI | Positive analog sync input for channel 2. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 177 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| A2P | 178 | AI | Positive analog input 'A' for channel 2. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 179 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| B2P | 180 | AI | Positive analog input 'B' for channel 2. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 181 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| C2P | 182 | AI | Positive analog input 'C' for channel 2. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| AVDD_B | 183 | AP | Analog Power (3.3V) for ADC of Channel-B. Must be bypassed with 0.1uF capacitor to the analog system ground plane. |
| BN | 184 | AI | Negative analog input 'B' for channels 1 through 4. This acts as the return Path for the Sources connected to Channel-B Inputs. This has to be AC coupled using a series 57.6 Ohm resistor and 0.1uF Capacitor network to Analog Ground Plane on board. |
| AGND | 185 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -43

Q8001: FLI8125-LF-BC (Video Processor)

TERMINAL DESCRIPTION(2/8)

Analog Input Port

| Pin Name | No. | I/O | Description |
|----------|-----|-----|--|
| SV3P | 186 | AI | Positive analog sync input for channel 3. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 187 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| A3P | 188 | AI | Positive analog input 'A' for channel 3. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 189 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| B3P | 190 | AI | Positive analog input 'B' for channel 3. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 191 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| C3P | 192 | AI | Positive analog input 'C' for channel 3. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| AVDD_C | 193 | AP | Analog Power (3.3V) for ADC of Channel-C. Must be bypassed with 0.1uF capacitor to the analog system ground plane. |
| CN | 194 | AI | Negative analog input 'C' for channels 1 through 4. This acts as the return Path for the Sources connected to Channel-C Inputs. This has to be AC coupled using a series 57.6 Ohm resistor and 0.1uF Capacitor network to Analog Ground Plane on board. |
| AGND | 195 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| SV4P | 196 | AI | Positive analog sync input for channel 4. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 197 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| A4P | 198 | AI | Positive analog input 'A' for channel 4. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 199 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| B4P | 200 | AI | Positive analog input 'B' for channel 4. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| GNDS | 201 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| C4P | 202 | AI | Positive analog input 'C' for channel 4. The input has to be AC coupled using a series 20 Ohm resistor and 0.1uF Capacitor network. |
| AVDD_SC | 203 | AP | Analog Power (3.3V) for ADC of SYNC Channel. Must be bypassed with 0.1uF capacitor to the analog system ground plane. |
| SVN | 204 | AI | Negative analog sync input for channels 1 through 4. This acts as the return Path for the Sources connected to SV Channel Inputs. This has to be AC coupled using a series 57.6 Ohm resistor and 0.1uF Capacitor network to Analog Ground Plane on board. |
| VO_GND | 205 | AG | Analog Ground. Must be directly connected to the analog system ground plane on board. |
| VOOUT2 | 206 | AO | Analog VOUT signal This is the Analog Video Output from the Decoder in the Composite Video format. This can be amplified and be fed to any video display device. |
| VDD18_SC | 207 | AP | Analog Power (1.8V) for SYNC Channel. Must be bypassed with 0.1uF capacitor to the analog system ground plane. |
| GND18_SC | 208 | AG | Analog Ground (1.8V Return) for SYNC channel. Must be directly connected to the analog system ground plane on board. |

Low Bandwidth ADC Input Port

| Pin Name | No | I/O | Description |
|--------------|----|-----|---|
| VDDA33_LBADC | 1 | AP | Analog Power (3.3V) for Low Bandwidth ADC Block. Must be bypassed with 0.1uF capacitor. |
| LBADC_IN1 | 2 | AI | Low Bandwidth Analog Input-1. The Input signal connected to this Pin, must be bypassed with a 0.1uF capacitor and could be in the range of 0V to 3.3V (peak to peak). |
| LBADC_IN2 | 3 | AI | Low Bandwidth Analog Input-2. The Input signal connected to this Pin, must be bypassed with a 0.1uF capacitor and could be in the range of 0V to 3.3V (peak to peak). |
| LBADC_IN3 | 4 | AI | Low Bandwidth Analog Input-3. The Input signal connected to this Pin, must be bypassed with a 0.1uF capacitor and could be in the range of 0V to 3.3V (peak to peak). |
| LBADC_IN4 | 5 | AI | Low Bandwidth Analog Input-4. The Input signal connected to this Pin, must be bypassed with a 0.1uF capacitor and could be in the range of 0V to 3.3V (peak to peak). |
| LBADC_IN5 | 6 | AI | Low Bandwidth Analog Input-5. The Input signal connected to this Pin, must be bypassed with a 0.1uF capacitor and could be in the range of 0V to 3.3V (peak to peak). |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -44

Q8001: FLI8125-LF-BC (Video Processor)

TERMINAL DESCRIPTION(3/8)

Low Bandwidth ADC Input Port

| Pin Name | No | I/O | Description |
|--------------|----|-----|---|
| | | | a 0.1uF capacitor and could be in the range of 0V to 3.3V (peak to peak). |
| LBADC_IN6 | 7 | AI | Low Bandwidth Analog Input-6. The Input signal connected to this Pin, must be bypassed with a 0.1uF capacitor and could be in the range of 0V to 3.3V (peak to peak). |
| LBADC_RTN | 8 | AG | This Pin provides the Return Path for LBADC inputs. Must be directly connected to the analog system ground plane on board. |
| VSSA33_LBADC | 9 | AG | Analog Ground for Low Bandwidth ADC Block. Must be directly connected to the analog system ground plane on board. |

RCLK PLL Pins

| Pin Name | No | I/O | Description |
|--------------|----|-----|--|
| GND_RPLL | 11 | DG | Digital GND for ADC clocking circuit. Must be directly connected to the digital system ground plane. |
| VDD_RPLL_18 | 12 | DP | Digital power (1.8V) for ADC digital logic. Must be bypassed with capacitor to Ground Plane. |
| VBUFC_RPLL | 13 | O | Test Output. Leave this Pin Open. This is reserved for Factory Testing Purpose. |
| AGND_RPLL | 14 | AG | Analog ground for the Reference DDS PLL. Must be directly connected to the analog system ground plane. |
| XTAL | 15 | AO | Crystal oscillator output. Connect to external crystal. |
| TCLK | 16 | AI | Reference clock (TCLK) from the 19.6608 MHz crystal oscillator. Connect to external crystal/ oscillator. |
| AVDD_RPLL_33 | 17 | AP | Analog Power (3.3V) for RCLK PLL. Must be bypassed with 0.1uF capacitor. |

Digital Video Input Port

| Pin Name | No | I/O | Description |
|--|--|-----|---|
| VID_CLK_1 | 153 | I | Video port data clock input meant for Video Input – 1. Up to 135Mhz [Input, 5V-tolerant] |
| VIDIN_HS | 122 | I | When Video Input – 1 is in BT656 Mode, this Pin acts as Horizontal Sync Input for Video Input – 2. OR when Video Input – 1 is in 16 Bit Mode this Pin acts as Horizontal Sync Input for Video Input – 1. OR this Pin acts as Horizontal Sync Input for 24 Bit Video Input |
| VIDIN_VS | 121 | I | When Video Input – 1 is in BT656 Mode, this Pin acts as Vertical Sync Input for Video Input – 2. OR when Video Input – 1 is in 16 Bit Mode this Pin acts as Vertical Sync Input for Video Input – 1. OR this Pin acts as Vertical Sync Input for 24 Bit Video Input |
| VID_DATA_IN_0 VID_DATA_IN_1 VID_DATA_IN_2 VID_DATA_IN_3 VID_DATA_IN_4 VID_DATA_IN_5 VID_DATA_IN_6 VID_DATA_IN_7 | 135 136 137 138 139 140 141 142 | IO | Input YUV data in 8-bit BT656 of Video Input – 1 [Bi-Directional, 5V-tolerant] OR Input Y Data in case of 16 Bit Video Input (CCIR601) of Video Input – 1 OR Input Green Data in case of 24 Bit Video Input |
| VID_DATA_IN_8 VID_DATA_IN_9 VID_DATA_IN_10 VID_DATA_IN_11 VID_DATA_IN_12 VID_DATA_IN_13 VID_DATA_IN_14 VID_DATA_IN_15 | 145 146 147 148 149 150 151 152 | IO | Input Pr / Pb Data in case of 16 Bit Video Input (CCIR601) of Video Input – 1 OR Input Blue/ Pb Data in case of 24 Bit Video Input |
| VID_DATA_IN_16 VID_DATA_IN_17 VID_DATA_IN_18 VID_DATA_IN_19 VID_DATA_IN_20 VID_DATA_IN_21 VID_DATA_IN_22 | 123 124 125 128 129 130 131 | IO | Input Red / Pr Data in case of 24 Bit Video Input OR Video Input – 2 in 8-bit with Embedded Sync / Separate Sync |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -45

Q8001: FLI8125-LF-BC (Video Processor)

TERMINAL DESCRIPTION(4/8)

Digital Video Input Port

| Pin Name | No | I/O | Description |
|----------------|-----|-----|--|
| VID_DATA_IN_23 | 132 | | |
| VID_CLK2 | 118 | I | Video port data clock input meant for Video Input – 2. Up to 135Mhz [Input, 5V-tolerant] |
| VID_DE/FLD | 115 | I | Video Active Signal Input or the Field Signal Input from external Digital Video Source. |

System Interface

| Pin Name | No | I/O | Description |
|---------------------------|----|-----|---|
| RESETn | 10 | I | Hardware Reset (active low) [Schmitt trigger, 5v-tolerant] Connect to ground with 0.01uF capacitor. |
| TEST | 20 | I | For normal mode of operation connect this Pin to Ground. Has an internal pulldown resistor of 50 K ohm. |
| GPIO15 | 21 | IO | This pin is available as a general-purpose input/output port. Also it is optionally programmable to give out the external chip select signal meant for external SRAM. Connect pullup resistor to supply if external SRAM used. It is also address line A19 when 1MB parallel flash is used. |
| JTAG_BS_ENn | 22 | I | JTAG Boundary Scan enabling pin. Has an internal pulldown resistor of 50 K ohm. If this pin is left open or pulled down, Boundary Scan Mode is enabled. If this pin is pulled high, Boundary Scan functionality is not available, and pins 34~37 are available as GPIO 0~3 |
| SCART16 | 23 | I | This pin can be programmed to sense the Fast Blank Input signal from a SCART I/P source |
| HOST_SCLK | 24 | IO | Host input clock or 186 UART Data In or JTAG clock signal. [Input, Schmitt trigger, 5V-tolerant] |
| HOST_SDATA | 25 | IO | Host input data or 186 UART Data Out or JTAG mode signal. [Bi-directional, Schmitt trigger, slew rate limited, 5V-tolerant] |
| DDC_SCLK | 26 | IO | DDC2Bi clock for VGA Port |
| DDC_SDATA | 27 | IO | DDC2Bi data for VGA Port |
| MSTR_SCLK | 30 | O | Clock signal from Master Serial 2 Wire Interface Controller |
| MSTR_SDATA | 31 | IO | Data signal meant for Master Serial 2 Wire interface Controller |
| GPIO0/TCK | 34 | IO | This Pin accepts the Input Clock signal in case of Boundary Scan Mode. Else, this pin is available as General Purpose Input/output Port. |
| GPIO1/TDI | 35 | IO | This Pin accepts the Input Data signal in case of Boundary Scan Mode. Else, this pin is available as General Purpose Input/output Port. |
| GPIO2/TMS | 36 | IO | This Pin accepts the Input Test Mode Select signal in case of Boundary Scan Mode. Else, this pin is available as General Purpose Input/output Port. |
| GPIO3/TRST | 37 | IO | This Pin accepts the Boundary Scan Reset signal in case of Boundary Scan Mode. Else, this pin is available as General Purpose Input/output Port. |
| GPIO6/IRin | 38 | IO | Input from Infra Red Decoder can be connected to this Pin. Else, this pin is available as General Purpose Input/output Port. |
| GPIO7/IRQin | 41 | IO | Input Interrupt Request signal can be connected to this Pin. Else, this pin is available as General Purpose Input/output Port. |
| GPIO8/IRQout | 42 | IO | This Pin will give out the Interrupt Signal to interrupt external Micro. Else, this pin is available as General Purpose Input/output Port. |
| GPIO9/SIPC_SCLK | 43 | IO | This Pin accepts the Clock signal from External Serial 2 Wire interface Bus if FLI8125 is programmed to be in Slave mode. Else, this pin is available as General Purpose Input/output Port. |
| GPIO10/SIPC_SDATA/ A18 | 44 | IO | This Pin acts as the Data I/O signal when used with External Serial 2 Wire interface Bus if FLI8125 is programmed to be in Slave mode. Or this Pin is programmable to give out Address line 18 from the Internal Micro when used with 512K External Memory. Else, this pin is available as General Purpose Input/output Port. |
| GPIO11/PWM0 | 47 | IO | This Pin can be programmed to give out Pulse Width Modulated Output Pulses for external use. Else, this pin is available as General Purpose Input/output Port. |
| GPIO12/PWM1 | 48 | IO | This Pin can be programmed to give out Pulse Width Modulated Output Pulses for external use. Else, this pin is available as General Purpose Input/output Port. |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -46

Q8001: FLI8125-LF-BC (Video Processor)

TERMINAL DESCRIPTION(5/8)

System Interface

| Pin Name | No | I/O | Description |
|-------------------------|-----|-----|--|
| GPIO13/PWM2 | 51 | IO | This Pin can be programmed to give out Pulse Width Modulated Output Pulses for external use. Else, this pin is available as General Purpose Input/output Port. |
| GPIO14/PWM3/ SCART16 | 52 | IO | This Pin can be programmed to give out Pulse Width Modulated Output Pulses for external use. Or it can be programmed to sense the Fast Blank Input signal from a SCART I/P source. Else, this pin is available as General Purpose Input/output Port. |
| TDO | 55 | O | This Pin provides the Output Data in case of Boundary Scan Mode. |
| HSYNC1 | 156 | I | Horizontal Sync signal Input-1. Used when Analog RGB component signal carries separate HSYNC signal. Has programmable Schmitt trigger. |
| VSYNC1 | 157 | I | Vertical Sync signal Input-1. Used when Analog RGB component signal carries separate VSYNC signal. Has programmable Schmitt trigger. |
| XOSD_CLK | 101 | O | Clock Output meant for External OSD Controller |
| XOSD_HS | 102 | O | Horizontal Sync Output meant for External OSD Controller |
| XOSD_VS | 103 | O | Vertical Sync Output meant for External OSD Controller |
| XOSD_FLD | 104 | O | Field Signal Output meant for External OSD Controller |
| PD20/B4/GPIO0 | 86 | IO | These Pins provide the Panel Data as shown in the TTL Display Interface Table below. These are available as General Purpose Input / Output Pins when not used as Panel Data. |
| PD21/B5/GPIO1 | 87 | | |
| PD22/B6/GPIO2 | 88 | | |
| PD23/B7/GPIO3 | 89 | | |

LVDS Display Interface

| Pin Name | No | I/O | Description |
|----------------|----|-----|--|
| PBIAS | 53 | O | Panel Bias Control (backlight enable) [Tri-state output, 5V- tolerant] |
| PPWR | 54 | O | Panel Power Control [Tri-state output, 5V- tolerant] |
| AVDD_LV_33 | 56 | DP | Digital Power for LVDS Block. Connect to digital 3.3V supply. |
| VCO_LV | 57 | O | Reserved. Output for Testing Purpose only at Factory. |
| AVSS_LV | 58 | G | Ground for LVDS outputs. |
| AVDD_OUT_LV_33 | 59 | DP | Digital Power for LVDS outputs. Connect to digital 3.3V supply. |
| CH3P_LV_E | 60 | O | These form the Differential Data Output for Channel – 3 (Even). |
| CH3N_LV_E | 61 | | |
| CLKP_LV_E | 62 | O | These form the Differential Clock Output Even Channel. |
| CLKN_LV_E | 63 | | |
| CH2P_LV_E | 64 | O | These form the Differential Data Output for Channel – 2 (Even). |
| CH2N_LV_E | 65 | | |
| CH1P_LV_E | 66 | O | These form the Differential Data Output for Channel – 1 (Even). |
| CH1N_LV_E | 67 | | |
| CH0P_LV_E | 68 | O | These form the Differential Data Output for Channel – 0 (Even). |
| CH0N_LV_E | 69 | | |
| AVSS_OUT_LV | 70 | G | Ground for LVDS outputs. |
| AVDD_OUT_LV_33 | 71 | DP | Digital Power for LVDS outputs. Connect to digital 3.3V supply. |
| CH3P_LV_O | 72 | O | These form the Differential Data Output for Channel – 3 (Odd). |
| CH3N_LV_O | 73 | | |
| CLKP_LV_O | 74 | O | These form the Differential Clock Output Odd Channel. |
| CLKN_LV_O | 75 | | |
| CH2P_LV_O | 76 | O | These form the Differential Data Output for Channel – 2 (Odd). |
| CH2N_LV_O | 77 | | |
| CH1P_LV_O | 78 | O | These form the Differential Data Output for Channel – 1 (Odd). |
| CH1N_LV_O | 79 | | |
| CH0P_LV_O | 80 | O | These form the Differential Data Output for Channel – 0 (Odd). |
| CH0N_LV_O | 81 | | |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -47

Q8001: FLI8125-LF-BC (Video Processor)

TERMINAL DESCRIPTION(6/8)

LVDS Display Interface

| Pin Name | No | I/O | Description |
|----------------|----|-----|---|
| AVSS_OUT_LV | 82 | G | Ground for LVDS outputs. |
| AVDD_OUT_LV_33 | 83 | DP | Digital Power for LVDS outputs. Connect to digital 3.3V supply. |

TTL Display Interface

| Pin Name | No | I/O | Description For 8-bit panels | For 6-bit panels |
|----------------|-----|-----|--|----------------------------|
| PBIAS | 53 | O | Panel Bias Control (backlight enable) [Tri-state output, 5V- tolerant] | |
| PPWR | 54 | O | Panel Power Control [Tri-state output, 5V- tolerant] | |
| AVDD_LV_33 | 56 | DP | Digital Power for TTL Block. Connect to digital 3.3V supply. | |
| VCO_LV | 57 | O | Reserved. Output for Testing Purpose only at Factory. | |
| AVSS_LV | 58 | G | Ground for TTL outputs. | |
| AVDD_OUT_LV_33 | 59 | DP | Digital Power for TTL outputs. Connect to digital 3.3V supply. | |
| R0 | 60 | O | Red channel bit 0 (Even) | Not used. |
| R1 | 61 | O | Red channel bit 1 (Even) | Not used. |
| R2 | 62 | O | Red channel bit 2 (Even) | Red channel bit 0 (Even) |
| R3 | 63 | O | Red channel bit 3 (Even) | Red channel bit 1 (Even) |
| R4 | 64 | O | Red channel bit 4 (Even) | Red channel bit 2 (Even) |
| R5 | 65 | O | Red channel bit 5 (Even) | Red channel bit 3 (Even) |
| R6 | 66 | O | Red channel bit 6 (Even) | Red channel bit 4 (Even) |
| R7 | 67 | O | Red channel bit 7 (Even) | Red channel bit 5 (Even) |
| G0 | 68 | O | Green channel bit 0 (Even) | Not used. |
| G1 | 69 | O | Green channel bit 1 (Even) | Not used. |
| AVSS_OUT_LV | 70 | G | Ground for TTL outputs. | |
| AVDD_OUT_LV_33 | 71 | DP | Digital Power for TTL outputs. Connect to digital 3.3V supply. | |
| G2 | 72 | O | Green channel bit 2 (Even) | Green channel bit 0 (Even) |
| G3 | 73 | O | Green channel bit 3 (Even) | Green channel bit 1 (Even) |
| G4 | 74 | O | Green channel bit 4 (Even) | Green channel bit 2 (Even) |
| G5 | 75 | O | Green channel bit 5 (Even) | Green channel bit 3 (Even) |
| G6 | 76 | O | Green channel bit 6 (Even) | Green channel bit 4 (Even) |
| G7 | 77 | O | Green channel bit 7 (Even) | Green channel bit 5 (Even) |
| B0 | 78 | O | Blue channel bit 0 (Even) | Not used. |
| B1 | 79 | O | Blue channel bit 1 (Even) | Not used. |
| B2 | 80 | O | Blue channel bit 2 (Even) | Blue channel bit 0 (Even) |
| B3 | 81 | O | Blue channel bit 3 (Even) | Blue channel bit 1 (Even) |
| AVSS_OUT_LV | 82 | G | Ground for TTL outputs. | |
| AVDD_OUT_LV_33 | 83 | DP | Digital Power for TTL outputs. Connect to digital 3.3V supply. | |
| PD20/B4 | 86 | O | Blue channel bit 4 (Even) | Blue channel bit 2 (Even) |
| PD21/B5 | 87 | O | Blue channel bit 5 (Even) | Blue channel bit 3 (Even) |
| PD22/B6 | 88 | O | Blue channel bit 6 (Even) | Blue channel bit 4 (Even) |
| PD23/B7 | 89 | O | Blue channel bit 7 (Even) | Blue channel bit 5 (Even) |
| DEN | 90 | O | Display Data Enable | |
| DHS | 91 | O | Display Horizontal Sync. | |
| DVS | 92 | O | Display Vertical Sync. | |
| DCLK | 93 | O | Display Pixel Clock | |
| PD24 | 115 | O | Red channel bit 0 (Odd) | Not used. |
| PD25 | 114 | O | Red channel bit 1 (Odd) | Not used. |
| PD26 | 113 | O | Red channel bit 2 (Odd) | Red channel bit 0 (Odd) |
| PD27 | 112 | O | Red channel bit 3 (Odd) | Red channel bit 1 (Odd) |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -48

Q8001: FLI8125-LF-BC (Video Processor)

TERMINAL DESCRIPTION(7/8)

TTL Display Interface

| Pin Name | No | I/O | Description For 8-bit panels | For 6-bit panels |
|----------|-----|-----|---------------------------------|---------------------------|
| PD28 | 111 | O | Red channel bit 4 (Odd) | Red channel bit 2 (Odd) |
| PD29 | 110 | O | Red channel bit 5 (Odd) | Red channel bit 3 (Odd) |
| PD30 | 109 | O | Red channel bit 6 (Odd) | Red channel bit 4 (Odd) |
| PD31 | 108 | O | Red channel bit 7 (Odd) | Red channel bit 5 (Odd) |
| PD32 | 107 | O | Green channel bit 0 (Odd) | Not used. |
| PD33 | 106 | O | Green channel bit 1 (Odd) | Not used. |
| PD34 | 105 | O | Green channel bit 2 (Odd) | Green channel bit 0 (Odd) |
| PD35 | 104 | O | Green channel bit 3 (Odd) | Green channel bit 1 (Odd) |
| PD36 | 103 | O | Green channel bit 4 (Odd) | Green channel bit 2 (Odd) |
| PD37 | 102 | O | Green channel bit 5 (Odd) | Green channel bit 3 (Odd) |
| PD38 | 101 | O | Green channel bit 6 (Odd) | Green channel bit 4 (Odd) |
| PD39 | 123 | O | Green channel bit 7 (Odd) | Green channel bit 5 (Odd) |
| PD40 | 124 | O | Blue channel bit 0 (Odd) | Not used. |
| PD41 | 125 | O | Blue channel bit 1 (Odd) | Not used. |
| PD42 | 128 | O | Blue channel bit 2 (Odd) | Blue channel bit 0 (Odd) |
| PD43 | 129 | O | Blue channel bit 3 (Odd) | Blue channel bit 1 (Odd) |
| PD44 | 130 | O | Blue channel bit 4 (Odd) | Blue channel bit 2 (Odd) |
| PD45 | 131 | O | Blue channel bit 5 (Odd) | Blue channel bit 3 (Odd) |
| PD46 | 132 | O | Blue channel bit 6 (Odd) | Blue channel bit 4 (Odd) |
| PD47 | 118 | O | Blue channel bit 7 (Odd) | Blue channel bit 5 (Odd) |

Parallel/Serial ROM/ SRAM Interface

| Pin Name | No | I/O | Description |
|--|--|-----|---|
| A19 | 21 | O | Address Signal A19 for 1M X 8 PROM. This pin also acts as Chip select for external SRAM when PROM of 512KB or less is used. Else this pin acts as GPIO15. |
| A18 | 44 | O | Address Signal A18 for 512K X 8 PROM / SRAM. Else this pin acts as GPIO10. |
| A17 A16 A15 A14 A13 A12 A11 A10 A9 A8 A7 A6 A5 A4 A3 A2 A1 A0 | 95 96 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 | O | 256K x8 PROM /SRAM Address. Some of these pins also have bootstrap functionality. For serial SPI ROM interface: - ROM_ADDR17 will be Serial Clock (ROM_SCLK) - ROM_ADDR16 will be Serial Data Output (ROM_SDO) |
| D7 D6 D5 D4 D3 D2 D1 D0 | 132 131 130 129 128 125 124 123 | IO | External PROM / SRAM data input. |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -49

Q8001: FLI8125-LF-BC (Video Processor)

TERMINAL DESCRIPTION(8/8)

Parallel/Serial ROM/ SRAM Interface

| | | | |
|----------------------|-----|---|---|
| ROM_OEN | 118 | O | External PROM / SRAM data Output Enable. |
| ROM_SDI/ ROM_WEN | 97 | O | External PROM / SRAM data Write Enable (for In-System-Programming of FLASH) or Serial Data Input (SDI) for SPI ROM interface. |
| ROM_SCSN/ ROM_CSN | 94 | O | External PROM / SRAM data Chip Select or Serial PROM Chip Select (ROM_SCSN) for SPI ROM interface. |

Digital Power and Ground

| Pin Name | No | I/O | Description |
|----------|--|-----|------------------------------------|
| RVDD_3.3 | 32 49 98 116 154 | P | Ring VDD. Connect to digital 3.3V. |
| CVDD_1.8 | 18 28 39 45 84 119 126 133 143 | P | Core VDD. Connect to digital 1.8V. |
| CRVSS | 19 29 33 40 46 50 85 99 117 120 127 134 144 155 | G | Chip ground for core and ring. |

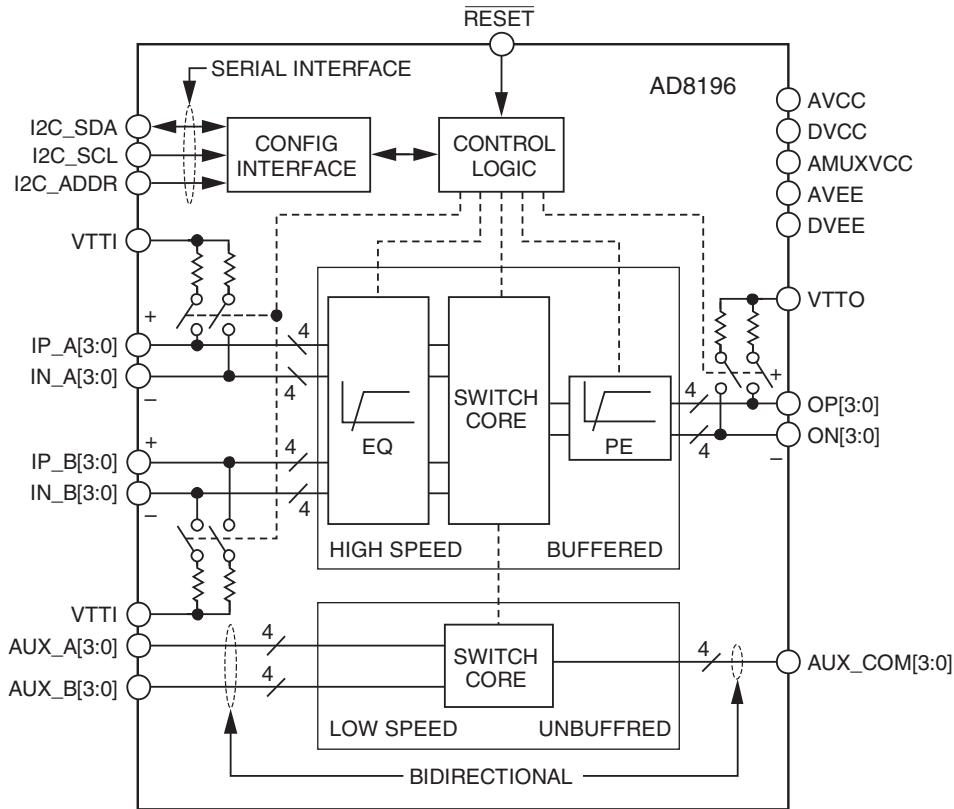
JTAG Boundary Scan

| Pin Name | No | I/O | Description |
|----------|----|-----|---|
| TCK | 34 | I | JTAG Boundary Scan TCK signal |
| TDO | 55 | O | JTAG Boundary Scan TDO signal |
| TDI | 35 | I | JTAG Boundary Scan TDI signal. Pad has internal 50K pull-up resistor. |
| TMS | 36 | I | JTAG Boundary Scan TMS signal. Pad has internal 50K pull-up resistor. |
| TRST | 37 | I | JTAG Boundary Scan RST signal. Pad has internal 50K pull-up resistor. |

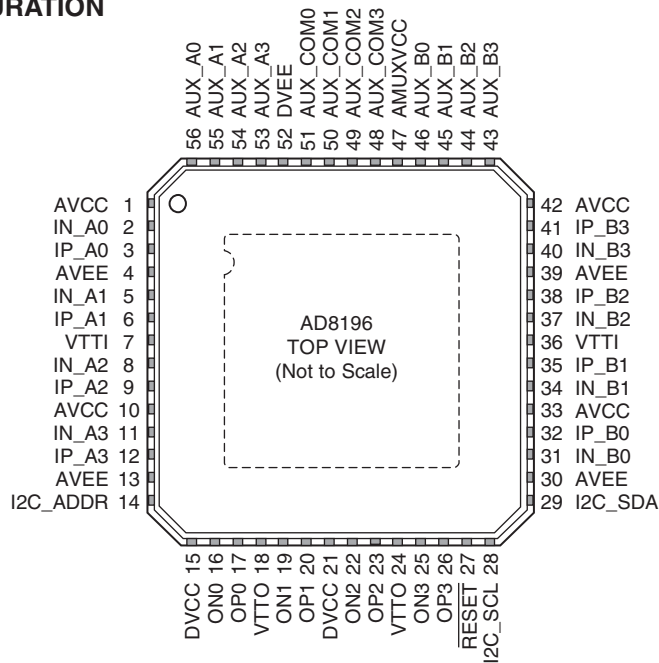
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -50

Q8101 : AD8196 (HDMI/DVI Switch with Equalization)

BLOCK DIAGRAM



PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -51

Q8101 : AD8196 (HDMI/DVI Switch with Equalization)

TERMINAL DESCRIPTION

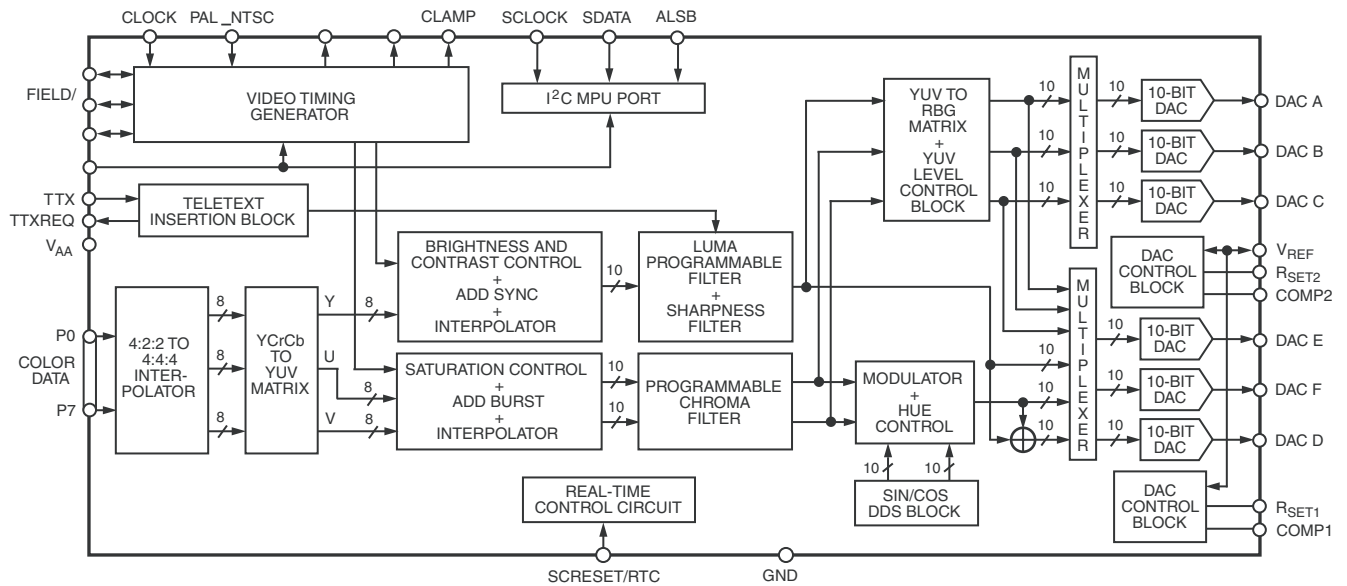
| Pin No. | Mnemonic | Type | Description |
|---------------------|----------|---------|--|
| 1, 10, 33, 42 | AVCC | Power | Positive Analog Supply. 3.3 V nominal. |
| 2 | IN_A0 | HS I | High Speed Input Complement. |
| 3 | IP_A0 | HS I | High Speed Input. |
| 4, 13, 30, 39, ePAD | AVEE | Power | Negative Analog Supply. 0 V nominal. |
| 5 | IN_A1 | HS I | High Speed Input Complement. |
| 6 | IP_A1 | HS I | High Speed Input. |
| 7, 36 | VTTI | Power | Input Termination Supply. Nominally connected to AVCC. |
| 8 | IN_A2 | HS I | High Speed Input Complement. |
| 9 | IP_A2 | HS I | High Speed Input. |
| 11 | IN_A3 | HS I | High Speed Input Complement. |
| 12 | IP_A3 | HS I | High Speed Input. |
| 14 | I2C_ADDR | Control | I ² C Address LSB. |
| 15, 21 | DVCC | Power | Positive Digital Power Supply. 3.3 V nominal. |
| 16 | ON0 | HS O | High Speed Output Complement. |
| 17 | OP0 | HS O | High Speed Output. |
| 18, 24 | VTTO | Power | Output Termination Supply. Nominally connected to AVCC. |
| 19 | ON1 | HS O | High Speed Output Complement. |
| 20 | OP1 | HS O | High Speed Output. |
| 22 | ON2 | HS O | High Speed Output Complement. |
| 23 | OP2 | HS O | High Speed Output. |
| 25 | ON3 | HS O | High Speed Output Complement. |
| 26 | OP3 | HS O | High Speed Output. |
| 27 | RESET | Control | Configuration Registers Reset. This pin is normally pulled up to DVCC. |
| 28 | I2C_SCL | Control | I ² C Clock. |
| 29 | I2C_SDA | Control | I ² C Data. |
| 31 | IN_B0 | HS I | High Speed Input Complement. |
| 32 | IP_B0 | HS I | High Speed Input. |
| 34 | IN_B1 | HS I | High Speed Input Complement. |
| 35 | IP_B1 | HS I | High Speed Input. |
| 37 | IN_B2 | HS I | High Speed Input Complement. |
| 38 | IP_B2 | HS I | High Speed Input. |
| 40 | IN_B3 | HS I | High Speed Input Complement. |
| 41 | IP_B3 | HS I | High Speed Input. |
| 43 | AUX_B3 | LS I/O | Low Speed Input/Output. |
| 44 | AUX_B2 | LS I/O | Low Speed Input/Output. |
| 45 | AUX_B1 | LS I/O | Low Speed Input/Output. |
| 46 | AUX_B0 | LS I/O | Low Speed Input/Output. |
| 47 | AMUXVCC | Power | Positive Auxiliary Switch Supply. 5 V typical. |
| 48 | AUX_COM3 | LS I/O | Low Speed Common Input/Output. |
| 49 | AUX_COM2 | LS I/O | Low Speed Common Input/Output. |
| 50 | AUX_COM1 | LS I/O | Low Speed Common Input/Output. |
| 51 | AUX_COM0 | LS I/O | Low Speed Common Input/Output. |
| 52 | DVEE | Power | Negative Digital and Auxiliary Switch Power Supply. 0 V nominal. |
| 53 | AUX_A3 | LS I/O | Low Speed Input/Output. |
| 54 | AUX_A2 | LS I/O | Low Speed Input/Output. |
| 55 | AUX_A1 | LS I/O | Low Speed Input/Output. |
| 56 | AUX_A0 | LS I/O | Low Speed Input/Output. |

HS = high speed, LS = low speed, I = input, O = output.

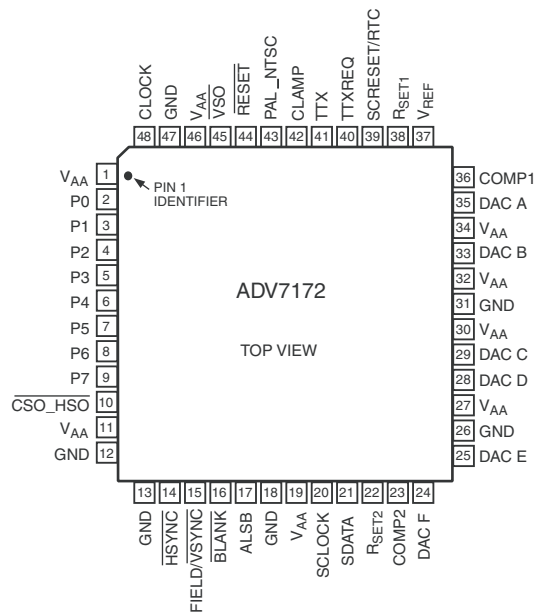
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -52

Q8801: ADV7172 (Digital PAL/NTSC Video Encoder with six DACs)

BLOCK DIAGRAM



PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -53

Q8801: ADV7172 (Digital PAL/NTSC Video Encoder with six DACs)

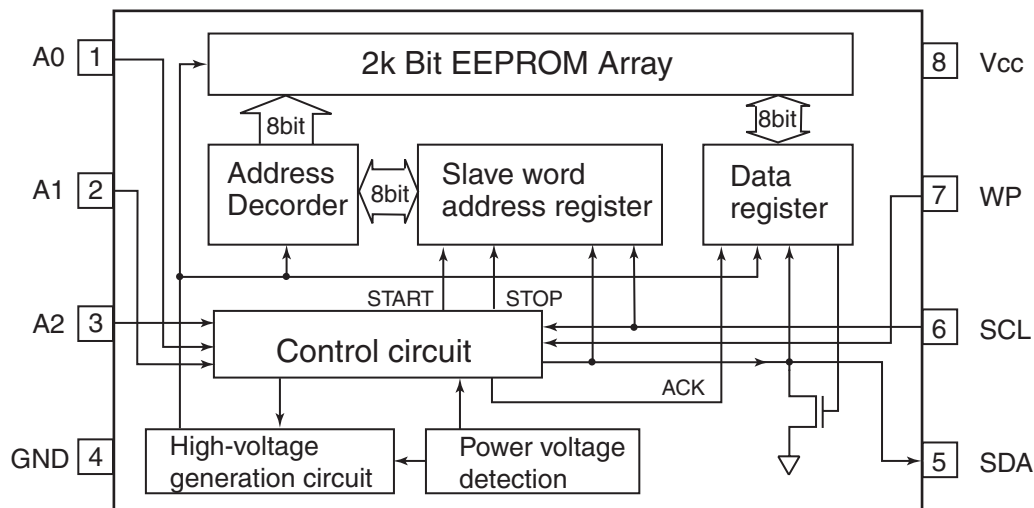
TERMINAL DESCRIPTION

| Mnemonic | Input/Output | Function |
|-------------------|--------------|---|
| P7-P0 | I | 8-Bit 4:2:2 Multiplexed YCrCb Pixel Port (P7DP0) P0 represents the LSB. |
| CLOCK | I | TTL Clock Input. Requires a stable 27 MHz reference clock for standard operation. Alternatively, a 24.5454 MHz (NTSC) or 29.5 MHz (PAL) can be used for square pixel operation. |
| HSYNC | I/O | HSYNC (Modes 1 and 2) Control Signal. This pin may be configured to output (Master Mode) or as an input and accept (Slave Mode) Sync signals. |
| FIELD/VSYNC | I/O | Dual Function FIELD (Mode 1) and VSYNC (Mode 2) Control Signal. This pin may be configured to output (Master Mode) or as an input (Slave Mode) and accept these control signals. |
| BLANK | I/O | Video Blanking Control Signal. The pixel inputs are ignored when this is Logic Level "0." This signal is optional. |
| SCRESET/RTC | I | This pin can be configured as an input by setting MR42 and MR41 of Mode Register 4. It can be configured as a subcarrier reset pin, in which case a low-to-high transition on this pin will reset the subcarrier phase to Field 0. Alternatively it may be configured as a Real-Time Control (RTC) Input. |
| V _{REF} | I/O | Voltage Reference Input for DACs or Voltage Reference Output (1.235 V). |
| R _{SET1} | I | A 150 Ω resistor connected from this pin to GND is used to control full-scale amplitudes of the Video Signals from DACs A, B, and C (the "large" DACs). |
| R _{SET2} | I | A 600 Ω resistor connected from this pin to GND is used to control full-scale amplitudes of the Video Signals from DACs D, E, and F (the "small" DACs). |
| COMP1 | O | Compensation Pin for DACs A, B, and C. Connect a 0.1 μ F Capacitor from COMP to V _{AA} . For Optimum Dynamic Performance in Low Power Mode, the value of the COMP1 capacitor can be lowered to as low as 2.2 nF. |
| COMP2 | O | Compensation Pin for DACs D, E, and F. Connect a 0.1 μ F Capacitor from COMP to V _{AA} . |
| DAC A | O | GREEN/Composite/Y Analog Output. This DAC is capable of providing 34.66 mA output. |
| DAC B | O | BLUE/S-Video Y/U Analog Output. This DAC is capable of providing 34.66 mA output. |
| DAC C | O | RED/S-Video C/V Analog Output. This DAC is capable of providing 34.66 mA output. |
| DAC D | O | GREEN/Composite/Y Analog Output. This DAC is capable of providing 8.66 mA output. |
| DAC E | O | BLUE/S-Video Y/U Analog Output. This DAC is capable of providing 8.66 mA output. |
| DAC F | O | RED/S-Video C/V Analog Output. This DAC is capable of providing 8.66 mA output. |
| SCLOCK | I | MPU Port Serial Interface Clock Input. |
| SDATA | I/O | MPU Port Serial Data Input/Output. |
| CLAMP | O | TTL Output Signal to external circuitry to enable clamping of all video signals. |
| PAL_NTSC | I | Input signal to select PAL or NTSC mode of operation, pin set to Logic "1" selects PAL. |
| VSO | O | VSO TTL Output Sync Signal. |
| CSO_HSO | O | Dual Function CSO or HSO TTL Output Sync Signal. |
| ALSB | I | TTL Address Input. This signal sets up the LSB of the MPU address. |
| RESET | I | The input resets the on-chip timing generator and sets the ADV7172/ADV7173 into default mode. This is NTSC operation, Timing Slave Mode 0, DACs A, B, and C powered OFF, DACs D, E, and F powered ON, Composite and S-Video out. |
| TTX | I | Teletext Data Input Pin. |
| TTXREQ | O | Teletext Data Request output signal used to control teletext data transfer. |
| V _{AA} | I | Power Supply (3 V to 5 V). |
| GND | G | Ground Pin. |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -54

Q8210, Q8510, Q8610: BR24L02FV-W(256x8 bit EEPROM)

BLOCK DIAGRAM AND PIN CONFIGURATION



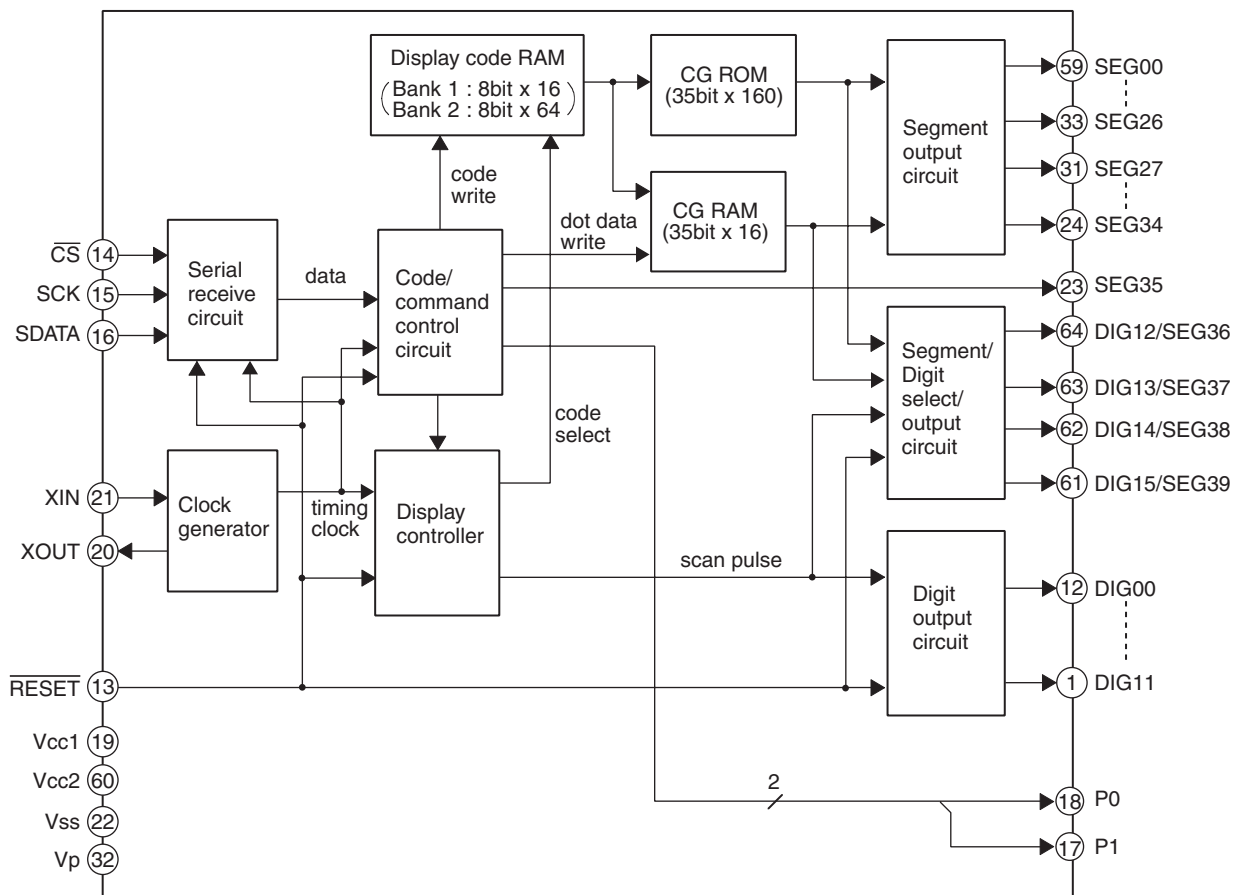
TERMINAL DESCRIPTION

| Terminal | I/O | Function |
|----------|-----|---|
| Vcc | - | Apply a power source |
| GND | - | Ground terminal |
| A0,A1,A2 | I | Slave address setting terminal |
| SCL | I | Serial clock input |
| SDA | I/O | Slave and word address. Serial data input and output |
| WP | I | Write protect terminal |

IC BLOCK DIAGRAM AND TERMINAL DESCRIPTIONS -55

Q7003: M66005-0001AHP (FL Tube Driver)

BLOCK DIAGRAM



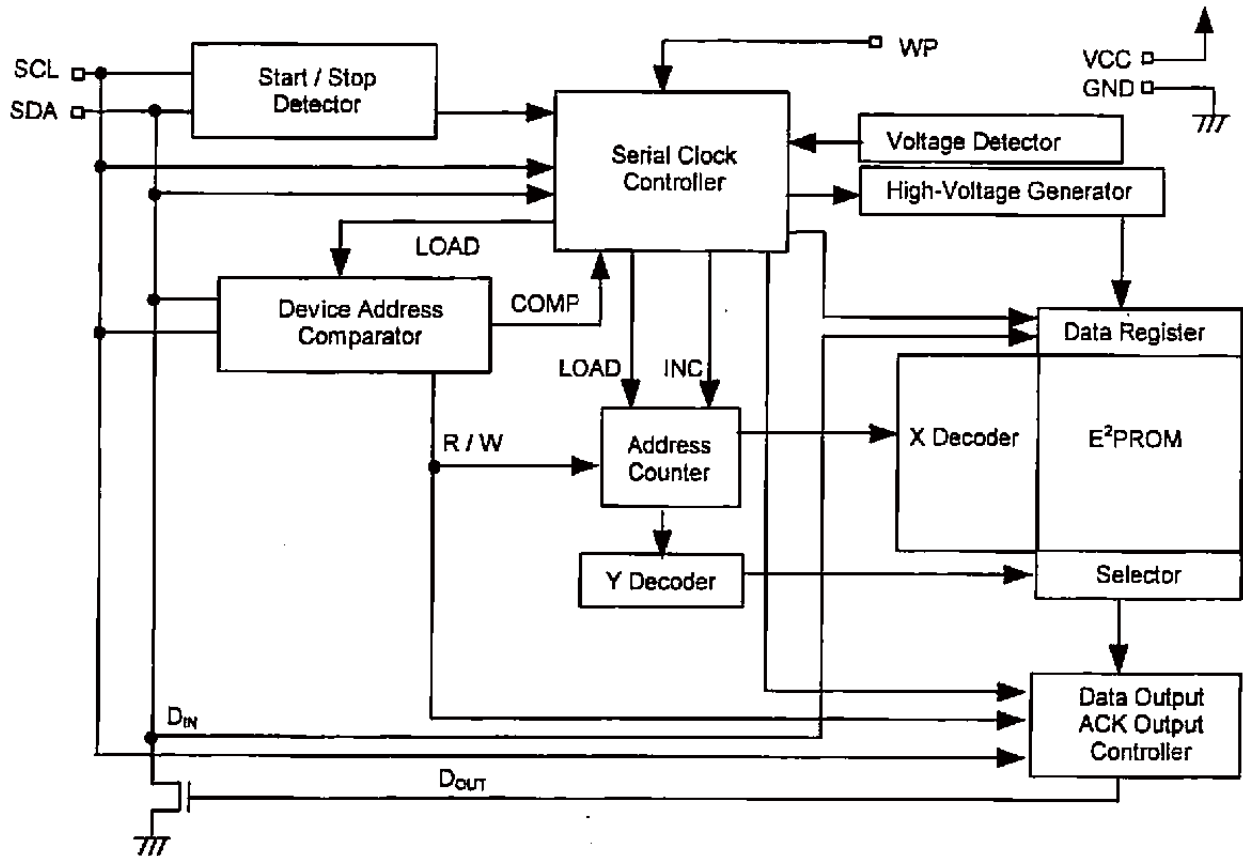
TERMINAL DESCRIPTION

| PIN NO. | SYMBOL | PIN NAME | DESCRIPTION |
|----------------|---------------------------|-----------------------------|---|
| 13 | $\overline{\text{RESET}}$ | Reset input | This pin is used to initialize the internal state of the M66004. |
| 14 | $\overline{\text{CS}}$ | Chip select input | "L" : Communication with the MCU is possible. "H" : Any instruction from the MCU is neglected. |
| 15 | SCK | Shift clock input | At the rising edge from "L" to "H", input data is shifted. |
| 16 | SDATA | Serial data input | Character code or command data to display is input from MSB. |
| 21, 20 | XIN, XOUT | Clock input Clock output | This pin is used to connect a resistor and a capacitor externally to set oscillation frequency. |
| 1~12 61~64 | DIG00 ~ DIG15 | Digit output | These pins are used to connect to digit pins of VFD. |
| 23~31 33~59 | SEG00 ~ SEG39 | Segment output | These pins are used to connect to segment pins of VFD. |
| 17, 18 | P0, P1 | | Output port (static operation) |
| 19 | VCC1 | | Positive power supply for internal logic. |
| 60 | VCC2 | | Positive power supply for high-pressure-resistant output port. |
| 22 | VSS | | GND |
| 32 | VP | | Negative power supply for VFD drive. |

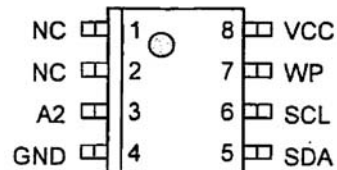
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -56

Q8010: S-24CS16A01 (16 kbit EEPROM)

BLOCK DIAGRAM



PIN CONFIGURATION



TERMINAL DESCRIPTION

| Pin Number | Pin Name | Function |
|------------|----------|---|
| 1 | NC | No connection ^{*1} |
| 2 | NC | No connection ^{*1} |
| 3 | A2 | TEST pin ^{*2} |
| 4 | GND | Ground |
| 5 | SDA | Serial data input / output |
| 6 | SCL | Serial clock input |
| 7 | WP | Write protection input Connected to V _{CC} : Protection valid Connected to GND: Protection invalid |
| 8 | VCC | Power supply |

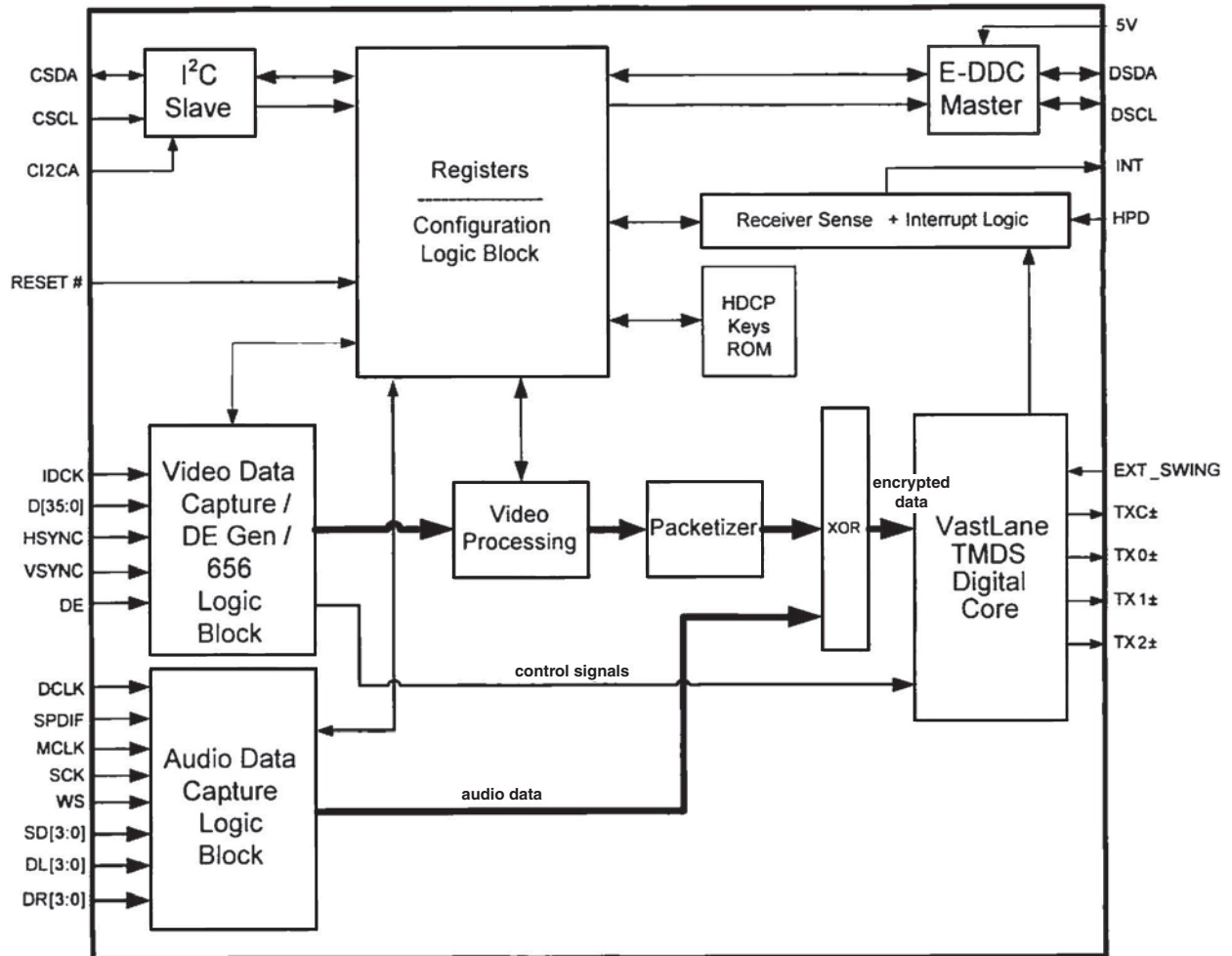
*1. Connect to GND or V_{CC}.

*2. Connect to GND.

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -57

Q8401: SII9134CTU (HDMI TRANSMITTER)

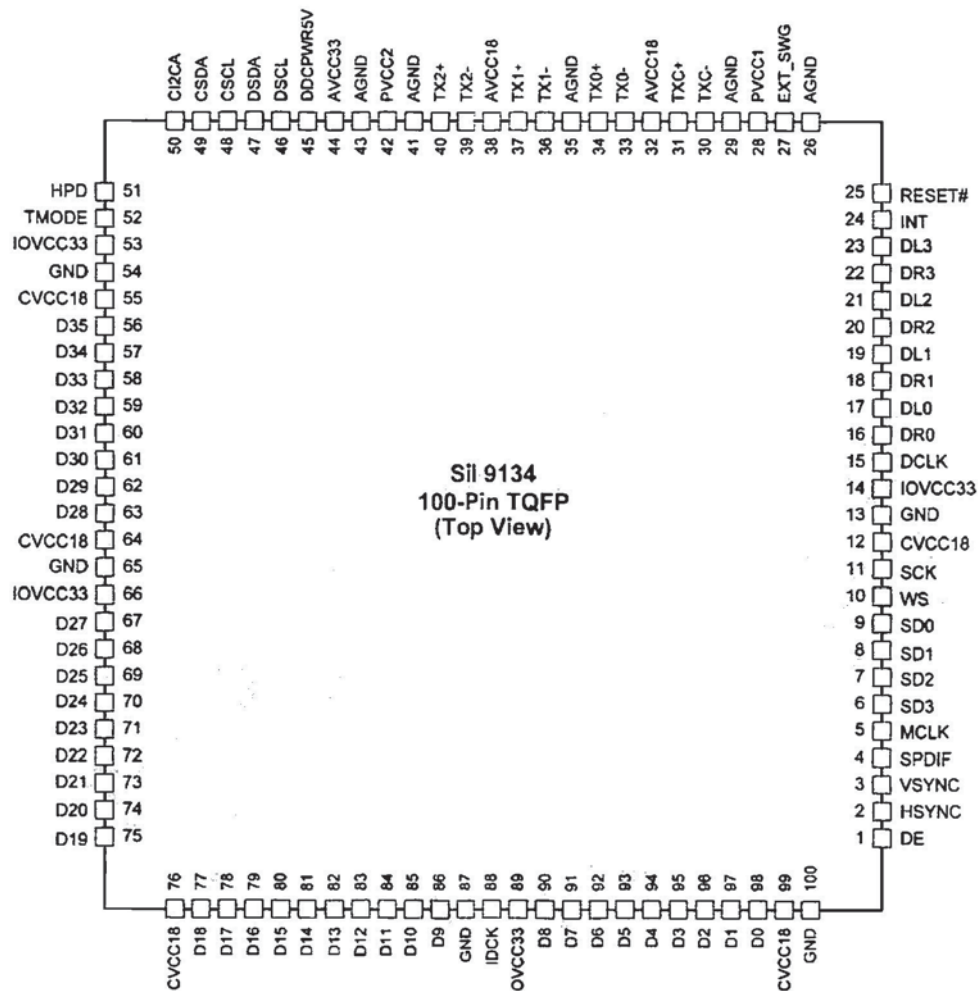
BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -58

Q8401: SII9134CTU (HDMI TRANSMITTER)

PIN CONFIGURATION



TERMINAL DESCRIPTION(1/3)

Configuration/Programing Pins

| Pin Name | Pin # | Type | Dir | Description |
|----------|-------|--------|--------|---|
| HPD | 51 | LVTTTL | Input | Hot Plug Detect Input |
| RSVDL | 52 | LVTTTL | Input | Reserved for use by Silicon Image and must be tied LOW. |
| INT | 24 | LVTTTL | Output | Interrupt Output. |

Control Pins

| Pin Name | Pin # | Type | Dir | Description |
|----------|-------|------------------------|-------|--|
| CI2CA | 50 | LVTTTL | Input | I ² C device address select (see page 11) |
| RESET# | 25 | LVTTTL Schmitt | Input | Reset Pin (Active LOW) 5V Tolerant |
| CSCL | 48 | Schmitt | Input | I ² C Clock |
| CSDA | 49 | Schmitt- Open Drain | Bi-Di | I ² C Data (Open drain output.) |
| DSCL | 46 | Schmitt- Open Drain | Bi-Di | DDC Clock (Open Drain Output) |
| DSDA | 47 | Schmitt- Open Drain | Bi-Di | DDC Data (Open drain output.) |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -59

Q8401: SII9134CTU (HDMI TRANSMITTER)

TERMINAL DESCRIPTION(2/3)

Video and Audio Pins-1

| Pin Name | Pin # | Type | Dir | Description |
|----------|-------|--------|-------|---|
| D0 | 98 | LVTTTL | Input | These are the lower 12 bits of the 36-bit pixel bus. These pins are highly configurable, and support multiple RGB and YCbCr formats. See Data Bus Mappings on page 30 for complete information. |
| D1 | 97 | LVTTTL | Input | |
| D2 | 96 | LVTTTL | Input | |
| D3 | 95 | LVTTTL | Input | |
| D4 | 94 | LVTTTL | Input | |
| D5 | 93 | LVTTTL | Input | |
| D6 | 92 | LVTTTL | Input | |
| D7 | 91 | LVTTTL | Input | |
| D8 | 90 | LVTTTL | Input | |
| D9 | 86 | LVTTTL | Input | |
| D10 | 85 | LVTTTL | Input | |
| D11 | 84 | LVTTTL | Input | |
| D12 | 83 | LVTTTL | Input | These are the middle 12 bits of the 36-bit pixel bus. |
| D13 | 82 | LVTTTL | Input | |
| D14 | 81 | LVTTTL | Input | |
| D15 | 80 | LVTTTL | Input | |
| D16 | 79 | LVTTTL | Input | |
| D17 | 78 | LVTTTL | Input | |
| D18 | 77 | LVTTTL | Input | |
| D19 | 75 | LVTTTL | Input | |
| D20 | 74 | LVTTTL | Input | |
| D21 | 73 | LVTTTL | Input | |
| D22 | 72 | LVTTTL | Input | |
| D23 | 71 | LVTTTL | Input | |
| D24 | 70 | LVTTTL | Input | |
| D25 | 69 | LVTTTL | Input | |
| D26 | 68 | LVTTTL | Input | |
| D27 | 67 | LVTTTL | Input | |
| D28 | 63 | LVTTTL | Input | |
| D29 | 62 | LVTTTL | Input | |
| D30 | 61 | LVTTTL | Input | |
| D31 | 60 | LVTTTL | Input | |
| D32 | 59 | LVTTTL | Input | |
| D33 | 58 | LVTTTL | Input | |
| D34 | 57 | LVTTTL | Input | |
| D35 | 56 | LVTTTL | Input | |

Power and Ground Pins

| Pin Name | Pin # | Type | Description |
|----------|---------------------|--------|--|
| CVCC18 | 12, 55, 64, 76, 99 | Power | Digital Core VCC. Connect to 1.8V supply. |
| IOVCC33 | 14, 53, 66, 89 | Power | IO Pin VCC. Connect to 3.3V supply. |
| AVCC33 | 44 | Power | Analog VCC. Connect to 3.3V supply. |
| AVCC18 | 32, 38, | Power | Analog VCC. Connect to 1.8V supply. |
| AGND | 26, 29, 35, 41,43 | Ground | Analog GND. |
| PVCC1 | 28 | Power | TMDS Core PLL Power. Connect to 1.8V supply. |
| PVCC2 | 42 | Power | Filter PLL Power. Connect to 1.8V supply. |
| DDCPWR5V | 45 | Power | Power reference signal. Used to supply power to the DDC I2C pads when chip is powered off. Connect to 5V supply. |
| Gnd | 13, 54, 65, 87, 100 | Ground | Digital Ground |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -60

Q8401: SII9134CTU (HDMI TRANSMITTER)

TERMINAL DESCRIPTION(3/3)

Video and Audio Pins-2

| Pin Name | Pin # | Type | Dir | Description |
|----------|-------|--------|-------|--------------------------------------|
| IDCK | 88 | LVTTTL | Input | Input Data Clock |
| DE | 1 | LVTTTL | Input | Data enable |
| HSYNC | 2 | LVTTTL | Input | Horizontal Sync input control signal |
| VSYNC | 3 | LVTTTL | Input | Vertical Sync input control signal |
| SCK | 11 | LVTTTL | Input | I ² S Serial Clock |
| WS | 10 | LVTTTL | Input | I ² S Word Select |
| SD0 | 9 | LVTTTL | Input | I ² S Serial Data |
| SD1 | 8 | LVTTTL | Input | I ² S Serial Data |
| SD2 | 7 | LVTTTL | Input | I ² S Serial Data |
| SD3 | 6 | LVTTTL | Input | I ² S Serial Data |
| DL0 | 17 | LVTTTL | Input | One-bit Audio Data Left 0 |
| DR0 | 16 | LVTTTL | Input | One-bit Audio Data Right 0 |
| DL1 | 19 | LVTTTL | Input | One-bit Audio Data Left 1 |
| DR1 | 18 | LVTTTL | Input | One-bit Audio Data Right 1 |
| DL2 | 21 | LVTTTL | Input | One-bit Audio Data Left 2 |
| DR2 | 20 | LVTTTL | Input | One-bit Audio Data Right 2 |
| DL3 | 23 | LVTTTL | Input | One-bit Audio Data Left 3 |
| DR3 | 22 | LVTTTL | Input | One-bit Audio Data Right 3 |
| DCLK | 15 | LVTTTL | Input | One-bit Audio Clock Input |
| MCLK | 5 | LVTTTL | Input | Audio Input Master Clock |
| SPDIF | 4 | LVTTTL | Input | S/PDIF Audio Input. |

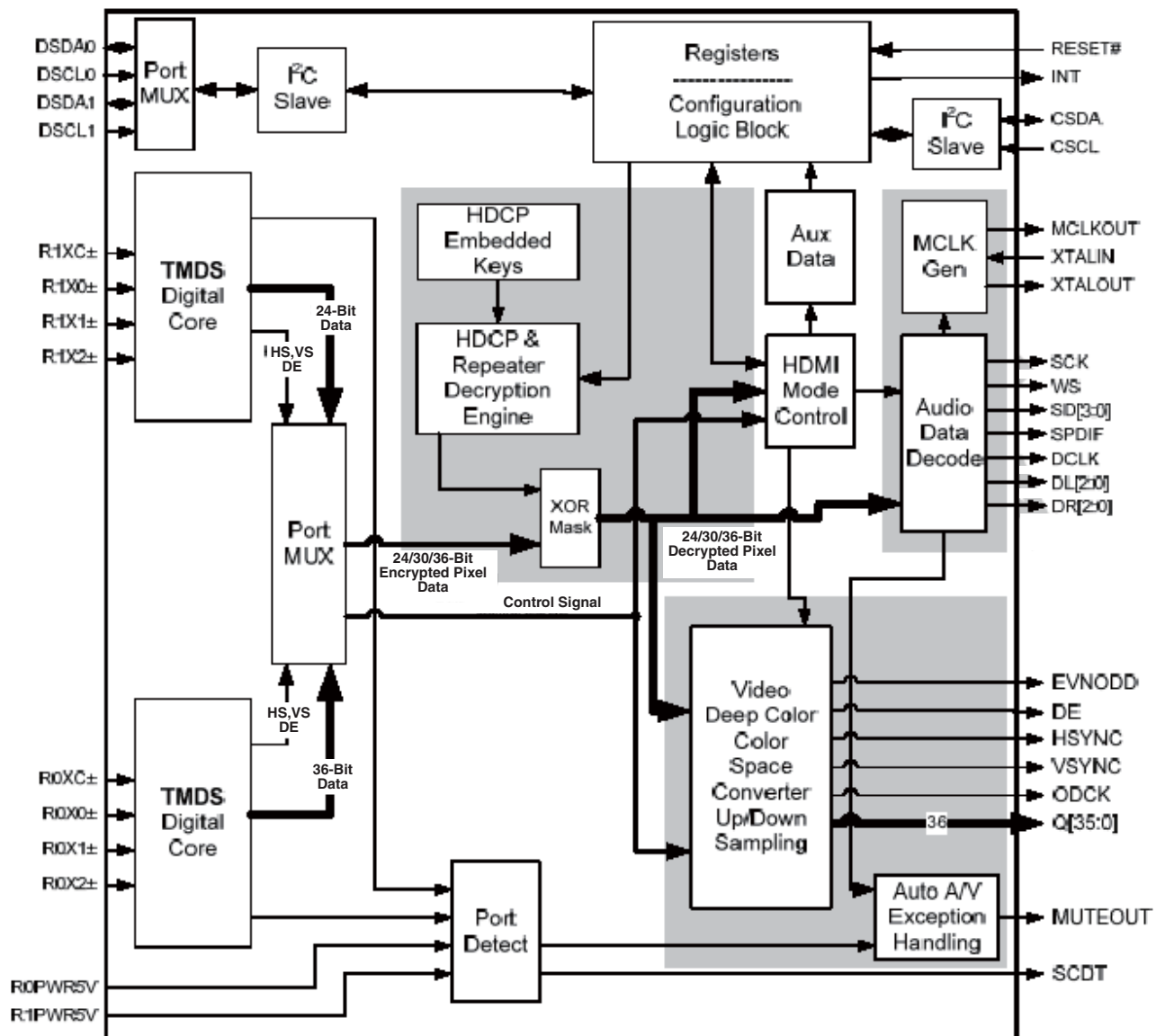
Differetial Signal Data Pins

| Pin Name | Pin # | Type | Dir | Description |
|-----------|-------|--------|--------|--|
| TX0+ | 34 | TMDS | Output | TMDS output data pairs. |
| TX0- | 33 | TMDS | Output | |
| TX1+ | 37 | TMDS | Output | |
| TX1- | 36 | TMDS | Output | |
| TX2+ | 40 | TMDS | Output | |
| TX2- | 39 | TMDS | Output | |
| TXC+ | 31 | TMDS | Output | TMDS output clock pair. |
| TXC- | 30 | TMDS | Output | |
| EXT_SWING | 27 | Analog | Input | Voltage Swing Adjust. A resistor is tied from this pin to AVCC. This resistor determines the amplitude of the voltage swing. Recommend 698 Ω 1% when source termination and leakage bias is on and 845 Ω 1% when source termination and leakage bias is off. |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -61

Q8501: SII9135CTU (HDMI RECEIVER)

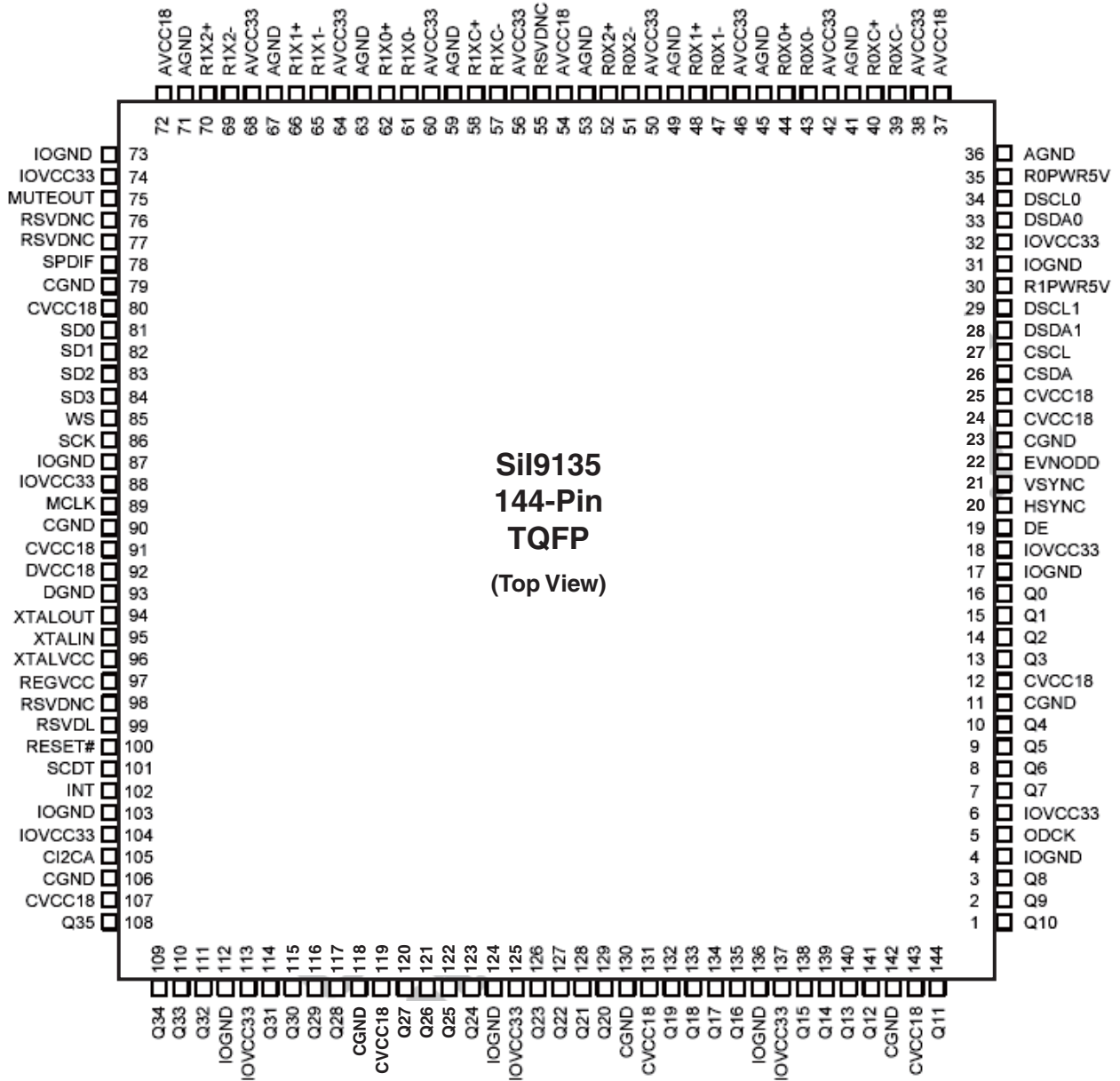
BLOCK DIAGRAM



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -62

Q8501: SII9135CTU (HDMI RECEIVER)

PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -63

Q8501: SII9135CTU (HDMI RECEIVER)

TERMINAL DESCRIPTION(1/4)

Video and Audio Pins

| Pin Name | Pin # | Strength | Type | Dir | Description |
|----------|-------|----------|--------|--------|--|
| Q0 | 16 | 8 mA | LVTTL | Output | 36-Bit Output Pixel Data Bus. Q35:0 is highly configurable using the VDD_CONFIG register. It supports a wide array of output formats, including multiple RGB and YCbCr bus formats. Using the appropriate bits in the PD register, the output drivers can be put into a high impedance (tri-state) mode. A weak, internal pull-down device brings each output to ground. |
| Q1 | 15 | | LVTTL | Output | |
| Q2 | 14 | | LVTTL | Output | |
| Q3 | 13 | | LVTTL | Output | |
| Q4 | 10 | | LVTTL | Output | |
| Q5 | 9 | | LVTTL | Output | |
| Q6 | 8 | | LVTTL | Output | |
| Q7 | 7 | | LVTTL | Output | |
| Q8 | 3 | | LVTTL | Output | |
| Q9 | 2 | | LVTTL | Output | |
| Q10 | 1 | | LVTTL | Output | |
| Q11 | 144 | | LVTTL | Output | |
| Q12 | 141 | | LVTTL | Output | |
| Q13 | 140 | | LVTTL | Output | |
| Q14 | 139 | | LVTTL | Output | |
| Q15 | 138 | | LVTTL | Output | |
| Q16 | 135 | | LVTTL | Output | |
| Q17 | 134 | | LVTTL | Output | |
| Q18 | 133 | | LVTTL | Output | |
| Q19 | 132 | | LVTTL | Output | |
| Q20 | 129 | | LVTTL | Output | |
| Q21 | 128 | | LVTTL | Output | |
| Q22 | 127 | | LVTTL | Output | |
| Q23 | 126 | | LVTTL | Output | |
| Q24 | 123 | | LVTTL | Output | |
| Q25 | 122 | | LVTTL | Output | |
| Q26 | 121 | | LVTTL | Output | |
| Q27 | 120 | | LVTTL | Output | |
| Q28 | 117 | | LVTTL | Output | |
| Q29 | 116 | | LVTTL | Output | |
| Q30 | 115 | | LVTTL | Output | |
| Q31 | 114 | | LVTTL | Output | |
| Q32 | 111 | | LVTTL | Output | |
| Q33 | 110 | | LVTTL | Output | |
| Q34 | 109 | | LVTTL | Output | |
| Q35 | 108 | LVTTL | Output | | |
| DE | 19 | 8 mA | LVTTL | Output | Data Enable |
| HSYNC | 20 | 8 mA | LVTTL | Output | Horizontal Sync Output |
| VSYNC | 21 | 8 mA | LVTTL | Output | Vertical Sync Output |
| EVNODD | 22 | 8 mA | LVTTL | Output | Indicates Even or Odd Field for Interlaced Formats |
| ODCK | 5 | 12 mA | LVTTL | Output | Output Data Clock |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -64

Q8501: SII9135CTU (HDMI RECEIVER)

TERMINAL DESCRIPTION(2/4)

Digital Audio Output Pins

| Pin Name | Pin # | Strength | Type | Dir | Description |
|-----------|-------|----------|-------------------------|-----|--|
| XTALIN | 95 | --- | 5V Tolerant LVTTL | In | Crystal Clock Input. Also allows LVTTL input. Frequency required: 26-28.5 MHz |
| XTALOUT | 94 | 4 mA | LVTTL | Out | Crystal Clock Output |
| MCLK | 89 | 8 mA | LVTTL | Out | Audio Master Clock Output |
| SCK/DCLK | 86 | 4 mA | LVTTL | Out | I2S Serial Clock Output. DSD Clock Out. |
| WS/DR0 | 85 | 4 mA | LVTTL | Out | I2S Word Select Output. DSD Serial Right Ch0 Data Output |
| SD0/DL0 | 81 | 4 mA | LVTTL | Out | I2S Serial Data Output / DSD Audio Output Configurable to be shared with DSD. SD0 = DSD Serial Left Ch0 Data Output SD1 = DSD Serial Right Ch1 Data Output SD2 = DSD Serial Left Ch1 Data Output |
| SD1/DR1 | 82 | 4 mA | LVTTL | Out | |
| SD2/DL1 | 83 | 4 mA | LVTTL | Out | |
| SD3/DR2 | 84 | 4 mA | LVTTL | Out | |
| SPDIF/DL2 | 78 | 4 mA | LVTTL | Out | S/PDIF Audio Output. Configurable to be shared with DSD DSD Serial Left Ch2 Data Output |
| MUTEOUT | 75 | 4 mA | LVTTL | Out | Mute Audio Output. Signal to the external downstream audio device, audio DAC, etc. to downstream audio device, audio DAC, etc. to mute audio output. |

Differential Signal Data Pins

| Pin Name | Pin # | Type | Description | |
|----------|-------|--------|-----------------------|-------------|
| R0XC+ | 40 | Analog | TMDS Input Clock Pair | HDMI Port 0 |
| R0XC- | 39 | Analog | | |
| R0X0+ | 44 | Analog | TMDS Input Data Pair | |
| R0X0- | 43 | Analog | | |
| R0X1+ | 48 | Analog | TMDS Input Data Pair | |
| R0X1- | 47 | Analog | | |
| R0X2+ | 52 | Analog | TMDS Input Data Pair | |
| R0X2- | 51 | Analog | | |
| R1XC+ | 58 | Analog | TMDS Input Clock Pair | HDMI Port 1 |
| R1XC- | 57 | Analog | | |
| R1X0+ | 62 | Analog | TMDS Input Data Pair | |
| R1X0- | 61 | Analog | | |
| R1X1+ | 66 | Analog | TMDS Input Data Pair | |
| R1X1- | 65 | Analog | | |
| R1X2+ | 70 | Analog | TMDS Input Data Pair | |
| R1X2- | 69 | Analog | | |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -65

Q8501: SII9135CTU (HDMI RECEIVER)

TERMINAL DESCRIPTION(3/4)

Configuration/Programming Pins

| Pin Name | Pin # | Strength | Type | Dir | Description |
|----------|-------------|----------|-----------|-------|---|
| INT | 102 | 4 mA | LVTTTL | Out | Interrupt Output. Configurable polarity and pushpull output. Multiple sources of interrupt can be enabled through the INT_EN register. See Note 1. |
| RESET# | 100 | --- | Schmitt | In | Reset Pin. Active LOW. 5V Tolerant |
| DSCLO | 34 | --- | SchmittOD | In | DDC I2C Clock for Port 0. 5V Tolerant. HDCP KSV, An and Ri values are exchanged over an I2C port during authentication. True open drain, so does not pull to GND if R0PWR5V is not applied. |
| DSDA0 | 33 | 3 mA | SchmittOD | Bi-Di | DDC I2C Data for Port 0. 5V Tolerant. HDCP KSV, An and Ri values are exchanged over an I2C during authentication. True open drain, so does not pull to GND if R0PWR5V is not applied. |
| DSCL1 | 29 | --- | SchmittOD | In | DDC I2C Clock for Port 1. 5V Tolerant. 5V Tolerant. HDCP KSV, An and Ri values are exchanged over an I2C port during authentication. True open drain, so does not pull to GND if R1PWR5V is not applied. |
| DSDA1 | 28 | 3 mA | SchmittOD | Bi-Di | DDC I2C Data for Port 1. 5V Tolerant. 5V Tolerant. HDCP KSV, An and Ri values are exchanged over an I2C port during authentication. True open drain, so does not pull to GND if R1PWR5V is not applied. |
| CSCL | 27 | --- | Schmitt | In | Configuration/Status I2C Clock. 5V Tolerant. Chip configuration/status, CEA-861 support and downstream HDCP repeater-specific registers are accessed via this I2C port. True open drain, so does not pull to GND if power is not applied. |
| CSDA | 26 | 3 mA | Schmitt | Bi-Di | Configuration/Status I2C Data. 5V Tolerant. Chip configuration/status, CEA-861 support and downstream HDCP repeater-specific registers are accessed via this I2C port. True open drain, so does not pull to GND if power is not applied. |
| CI2CA | 105 | | LLVTTL | In | Local I2C Address Select. 5V Tolerant. Low = Addresses 0x60/0x68 High = Addresses 0x62/0x6A |
| SCDT | 101 | 12 mA | LLVTTL | Out | Indicates Active Video at HDMI Input Port. Sync detection indicator. |
| R0PWR5V | 35 | --- | LLVTTL | In | Port 0 Transmitter Detect. 5V Tolerant. Used for MUTEIN function. See Note 2, 3. |
| R1PWR5V | 30 | --- | LLVTTL | In | Port 1 Transmitter Detect. 5V Tolerant. Used for MUTEIN function. See Note 2,3. |
| RSVDNC | 98,77,76,55 | | | | Reserved, must be left unconnected |
| RSVDL | 99 | | | In | Reserved, must be tied to ground |

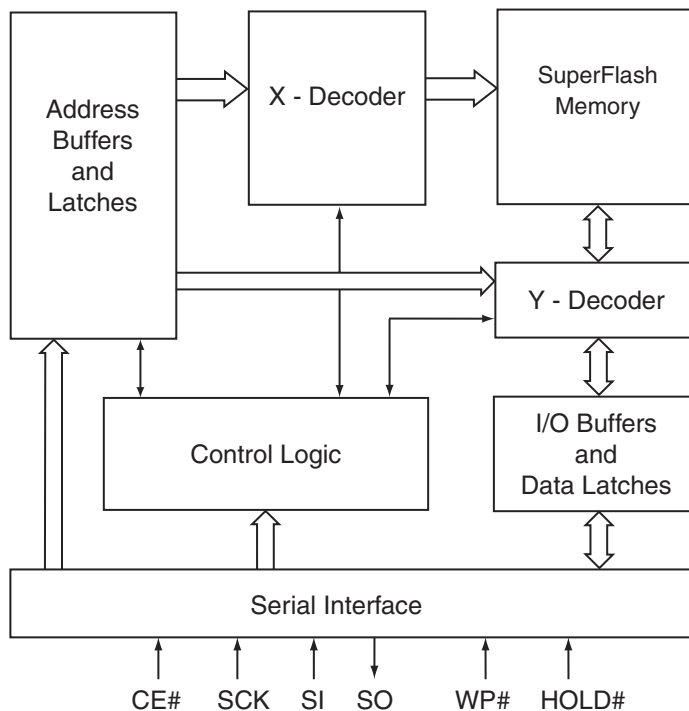
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -66**Q8501: SII9135CTU (HDMI RECEIVER)****TERMINAL DESCRIPTION(4/4)****Power and Ground Pins**

| Pin Name | Pin # | Type | Description | Supply |
|----------|--------------------------------|--------|--|--------|
| CVCC18 | 12,24,25,80,91,107,119,131,143 | Power | Digital Logic VCC | 1.8V |
| CGND | 11,23,79,90,106,118,130,142 | Ground | Digital Logic GND | |
| IOVCC33 | 6,18,32,74,88,104,113,125,137 | Power | Input/Output Pin VCC | 3.3V |
| IOGND | 4,17,31,73,87,103,112,124,136 | Ground | Input/Output Pin GND | |
| AVCC33 | 38,42,46,50,56,60,64,68 | Power | TMDS Analog VCC 3.3V | 3.3V |
| AGND | 36,41,45,49,53,59,63,67,71 | Ground | TMDS Analog GND | |
| AVCC18 | 37,54,72 | Power | TMDS Analog VCC 1.8V | 1.8V |
| DVCC18 | 92 | Power | Audio Clock Regeneration PLL Analog VCC. Must be connected to 1.8V | 1.8V |
| DGND | 93 | Ground | Audio Clock Regeneration PLL Analog Ground | |
| XTALVCC | 96 | Power | Audio Clock Regeneration PLL Crystal Oscillator Power. Must be connected to 3.3V | 3.3V |
| REGVCC | 97 | Power | Audio Clock Regeneration PLL Crystal Oscillator Power. Must be connected to 3.3V | 3.3V |

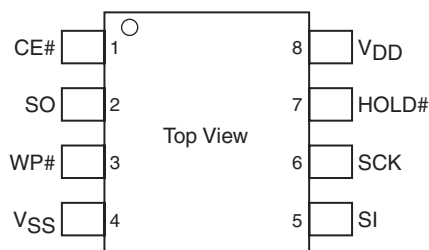
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -67

Q8011: SST25VF080B (8 Mbit Serial Flash Memory)

BLOCK DIAGRAM



PIN CONFIGURATION



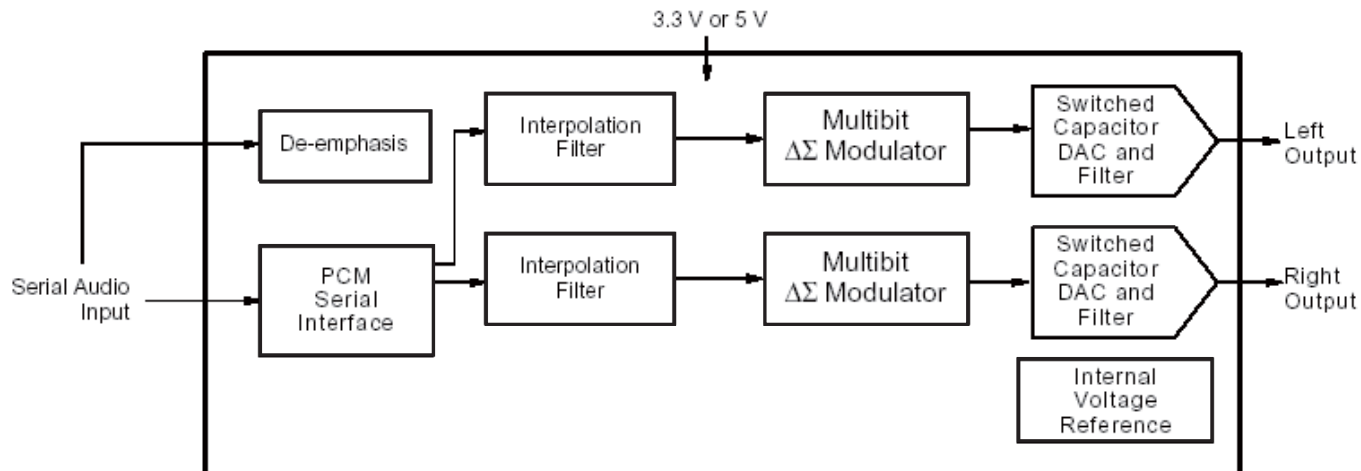
TERMINAL DESCRIPTION

| Symbol | Pin Name | Functions |
|-----------------|--------------------|---|
| SCK | Serial Clock | To provide the timing of the serial interface. Commands, addresses, or input data are latched on the rising edge of the clock input, while output data is shifted out on the falling edge of the clock input. |
| SI | Serial Data Input | To transfer commands, addresses, or data serially into the device. Inputs are latched on the rising edge of the serial clock. |
| SO | Serial Data Output | To transfer data serially out of the device. Data is shifted out on the falling edge of the serial clock. |
| CE# | Chip Enable | The device is enabled by a high to low transition on CE#. CE# must remain low for the duration of any command sequence. |
| WP# | Write Protect | The Write Protect (WP#) pin is used to enable/disable BPL bit in the status register. |
| HOLD# | Hold | To temporarily stop serial communication with SPI flash memory without resetting the device. |
| V _{DD} | Power Supply | To provide power supply voltage: 2.7-3.6V for SST25VF080 |
| V _{SS} | Ground | |

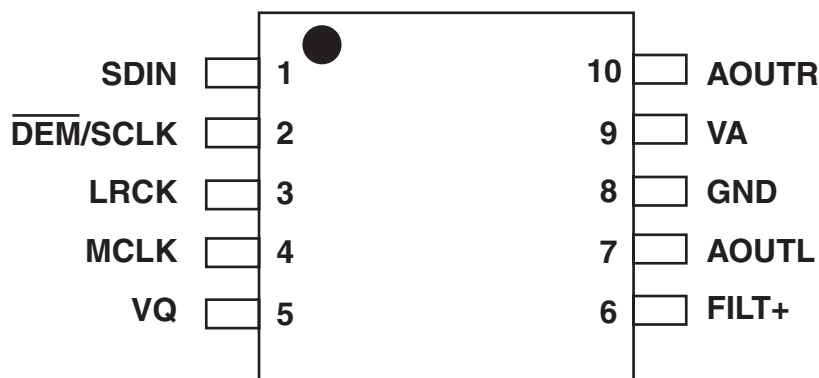
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -68

Q101: CS4344-CZZR (24bit, 192kHz, Stereo, DAC)

BLOCK DIAGRAM



PIN CONFIGURATION



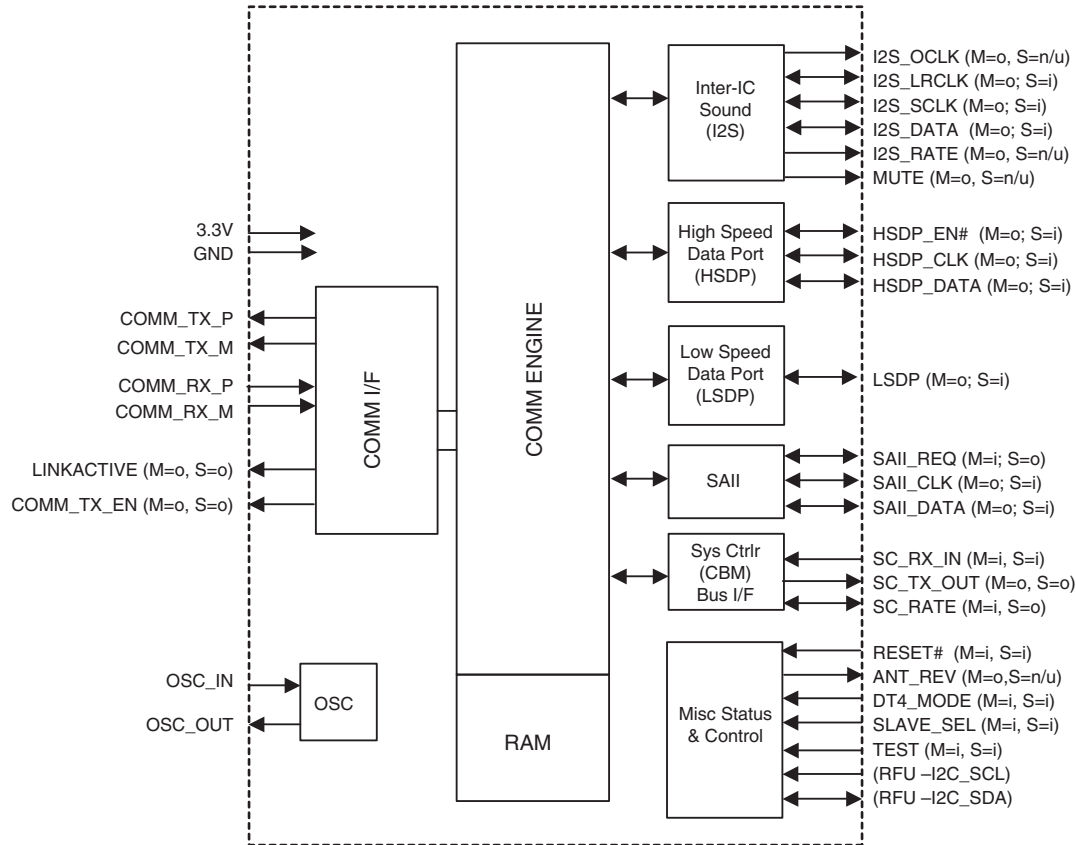
TERMINAL DESCRIPTION

| Pin Name | # | Pin Description |
|------------------------------|----|--|
| SDIN | 1 | Serial Audio Data Input (Input) - Input for two's complement serial audio data. |
| $\overline{\text{DEM/SCLK}}$ | 2 | De-Emphasis/External Serial Clock Input (Input) - used for de-emphasis filter control or external serial clock input. |
| LRCK | 3 | Left Right Clock (Input) - Determines which channel, Left or Right, is currently active on the serial audio data line. |
| MCLK | 4 | Master Clock (Input) - Clock source for the delta-sigma modulator and digital filters. |
| VQ | 5 | Quiescent Voltage (Output) - Filter connection for internal quiescent voltage. |
| FILT+ | 6 | Positive Voltage Reference (Output) - Positive reference voltage for the internal sampling circuits. |
| AOUTL | 7 | Left Channel Analog Output (Output) - The full scale analog output level is specified in the Analog Characteristics specification table. |
| GND | 8 | Ground (Input) - ground reference. |
| VA | 9 | Analog Power (Input) - Positive power for the analog and digital sections. |
| AOUTR | 10 | Right Channel Analog Output (Output) - The full scale analog output level is specified in the Analog Characteristics specification table. |

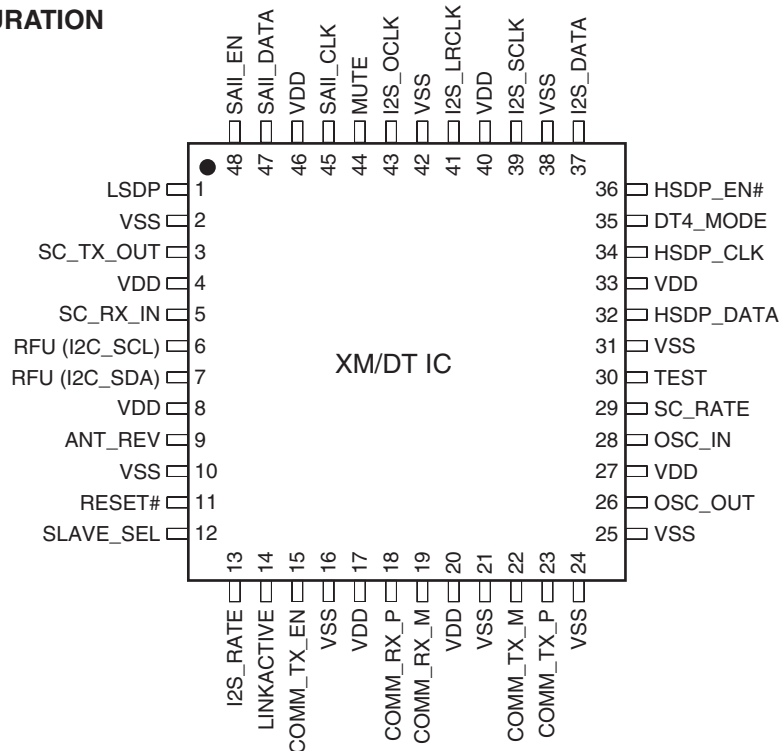
IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -69

Q103 : F2628E-01 (XM Digital Transceiver)

BLOCK DIAGRAM



PIN CONFIGURATION



IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -70

Q103 : F2628E-01 (XM Digital Transceiver)

TERMINAL DESCRIPTION(1/2)

| Pin No. | Pin Name | Direction | Function in Slave Mode | Function in Master Mode | Notes |
|---------|---|----------------|--|--|--------------------------------|
| 1 | LSDP | S=In M=Out | Low Speed Data Port Input | Low Speed Data Port Output | Out= 4mA, SLC In=LVTTTL S/T |
| 3 | SC_TX_OUT | S=Out M=Out | System Controller Bus (CBM) Transmit Data Out | System Controller Bus (CBM) Transmit Data Out | 4mA, SLC |
| 5 | SC_RX_IN | S=In M=In | System Controller Bus (CBM) Receive Data In | System Controller Bus (CBM) Receive Data In | LVTTTL S/T |
| 6 | RFU (I2C-SCL) | S=In M=In | Reserved for Future Use (pull down with a 100k resistor to Ground) | Reserved for Future Use (pull down with a 100k resistor to Ground) | LVTTTL S/T |
| 7 | RFU (I2C-SDA) | S=In M=In | Reserved for Future Use (pull down with a 100k resistor to Ground) | Reserved for Future Use (pull down with a 100k resistor to Ground) | LVTTTL S/T |
| 9 | ANT_REV | S=n/u M=Out | Not used in Slave mode, leave unconnected | Indication of incompatible antenna (refer to section 4.3.2 for usage) | 4mA, SLC |
| 11 | RESET# | S=In M=In | Asynchronous Reset In, (Active Low) | Asynchronous Reset In, (Active Low) | LVTTTL S/T |
| 12 | SLAVE_SEL | S=In M=In | Master/Slave Mode Select In (High = Slave Mode) | Master/Slave Mode Select In (Low = Master Mode) | LVTTTL S/T |
| 13 | I2S_RATE | S=Out M=Out | Output driven high, leave unconnected | Indicator of incoming I2S data rate (see section 4.4.2) | 4mA, SLC |
| 14 | LINKACTIVE | S=Out M=Out | Link Active indicator (High = DT bus link is active and data is flowing) | Link Active indicator (High = DT bus link is active and data is flowing) | 4mA, SLC |
| 15 | COMM_TX_EN | S=Out M=Out | DT Comm Bus External Transceiver Direction Control Output (0=Tx, 1=Rx) | DT Comm Bus External Transceiver Direction Control Output (0=Tx, 1=Rx) | 4mA, SLC |
| 18 | COMM_RX_P | S=In M=In | DT Differential Comm Bus Internal Receiver Positive In | DT Differential Comm Bus Internal Receiver Positive In | LVDS in+ |
| 19 | COMM_RX_M | S=In M=In | DT Differential Comm Bus Internal Receiver Negative In | DT Differential Comm Bus Internal Receiver Negative In | LVDS in- |
| 22 | COMM_TX_M | S=Out M=Out | DT Differential Comm Bus Internal Transmitter Negative Out | DT Differential Comm Bus Internal Transmitter Negative Out | LVDS out- |
| 23 | COMM_TX_P | S=Out M=Out | DT Differential Comm Bus Internal Transmitter Positive Out | DT Differential Comm Bus Internal Transmitter Positive Out | LVDS out+ |
| 26 | OSC_OUT | S=Out M=Out | Crystal Driver Output | Crystal Driver Output | |
| 28 | OSC_IN | S=In M=In | Crystal/ Ext. Clock Input | Crystal/ Ext. Clock Input | |
| 29 | SC_RATE (Rev 4A only, pull down for rev 3B) | S=Out M=In | SC interface baud rate Output (High = DT4_MODE is high and the Master DTIC is operating at 115.2K baud) | SC interface baud rate select Input (High = 115.2K baud, Low = 9600 baud) | Out= 4mA, SLC In=LVTTTL S/T |
| 30 | TEST | S=In M=In | Factory Test Mode Select (1=Test, 0= Normal Oper.) | Factory Test Mode Select (1=Test, 0= Normal Oper.) | LVTTTL S/T |

IC BLOCK DIAGRAMS AND TERMINAL DESCRIPTIONS -71

Q103 : F2628E-01 (XM Digital Transceiver)

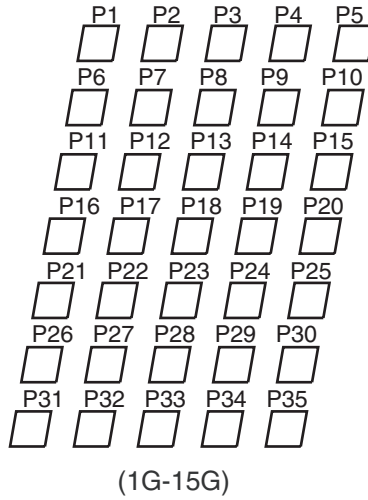
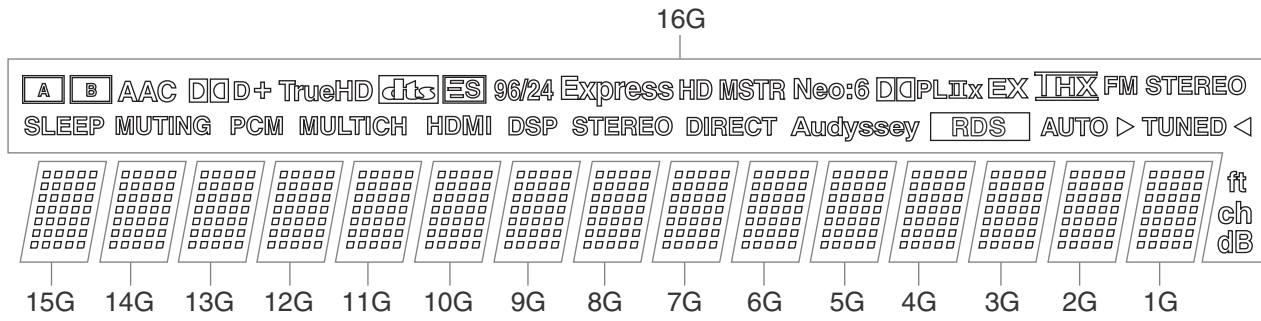
TERMINAL DESCRIPTION(2/2)

| Pin No. | Pin Name | Direction | Function in Slave Mode | Function in Master Mode | Notes |
|---------|-----------|----------------|--|---|-------------------------------|
| 32 | HSDP_DATA | S=In M=Out | High Speed Data Port Data Input | High Speed Data Port Data Output | Out= 4mA, SLC In=LVTTL S/T |
| 34 | HSDP_CLK | S=In M=Out | High Speed Data Port Clock Input | High Speed Data Port Clock Output | Out= 4mA, SLC In=LVTTL S/T |
| 35 | DT4_MODE | S=In M=In | Enables/Disables driver on SC_RATE and ANT_REV (High = enable driver) This pin was VSS on rev 3 XM/DT IC | Enables/Disables drivers on MUTE and ANT_REV (High = enable drivers) This pin was VSS on rev 3 XM/DT IC | In=LVTTL S/T |
| 36 | HSDP_EN# | S=In M=Out | High Speed Data Port Enable Input (Active low) | High Speed Data Port Enable Output (Active low) | Out= 4mA, SLC In=LVTTL S/T |
| 37 | I2S_DATA | S=In M=Out | I2S Digital Audio Port Data In | I2S Digital Audio Port Data Out | Out= 4mA, SLC In=LVTTL S/T |
| 39 | I2S_SCLK | S=In M=Out | I2S Digital Audio Port Bit Clock In | I2S Digital Audio Port Bit Clock Out | Out= 4mA, SLC In=LVTTL S/T |
| 41 | I2S_LRCLK | S=In M=Out | I2S Digital Audio Port Left/Right Clock In | I2S Digital Audio Port Left/Right Clock Out | Out= 4mA, SLC In=LVTTL S/T |
| 43 | I2S_OCLK | S=In M=Out | I2S Digital Audio Port Oversample Clock (not used, leave unconnected) | I2S Digital Audio Port Oversample Clock Out | Out= 4mA, SLC |
| 44 | MUTE | S=n/u M=Out | Not used in Slave mode, leave unconnected | Provides a mechanism for muting the audio during an I2S rate change (High=mute) | Out= 4mA, SLC |
| 45 | SAII_CLK | S=Out M=In | SAII Port Clock Output | SAII Port Clock Input | Out= 4mA, SLC In=LVTTL S/T |
| 47 | SAII_DATA | S=Out M=In | SAII Port Data Output | SAII Port Data Input | Out= 4mA, SLC In=LVTTL S/T |
| 48 | SAII_REQ | S=In M=Out | SAII Port Request Input | SAII Port Request Output | Out= 4mA, SLC In=LVTTL S/T |

| Pin# | Pin Name | Type | Function in Slave Mode | Function in Master Mode | Notes |
|---|----------|------|------------------------|-------------------------|-------|
| 4, 8, 17, 20, 27, 33, 40, 46 | VDD | PWR | +3.3V Supply Voltage | +3.3V Supply Voltage | |
| 2, 10, 16, 21, 24, 25, 31, 38, 42 | VSS | GND | Digital Ground | Digital Ground | |

FL TUBE VIEW

Q7002: 16-BT-138GNK



| | 16G | 15G-1G |
|-----|----------|--------|
| P1 | SLEEP | 1-1 |
| P2 | MUTING | 2-1 |
| P3 | PCM | 3-1 |
| P4 | MULTI CH | 4-1 |
| P5 | HDMI | 5-1 |
| P6 | DSP | 1-2 |
| P7 | STEREO | 2-2 |
| P8 | DIRECT | 3-2 |
| P9 | Audyssey | 4-2 |
| P10 | RDS | 5-2 |
| P11 | AUTO | 1-3 |
| P12 | > < | 2-3 |
| P13 | TUNED | 3-3 |
| P14 | A | 4-3 |
| P15 | B | 5-3 |
| P16 | AAC | 1-4 |
| P17 | D D | 2-4 |
| P18 | D | 3-4 |

| | 16G | 15G-1G |
|-----|-----------|--------|
| P19 | + | 4-4 |
| P20 | TrueHD | 5-4 |
| P21 | dts | 1-5 |
| P22 | ES | 2-5 |
| P23 | 96/24 | 3-5 |
| P24 | Express | 4-5 |
| P25 | HD | 5-5 |
| P26 | MSTR | 1-6 |
| P27 | Neo:6 | 2-6 |
| P28 | D D | 3-6 |
| P29 | PLII | 4-6 |
| P30 | X | 5-6 |
| P31 | EX | 1-7 |
| P32 | THX | 2-7 |
| P33 | FM STEREO | 3-7 |
| P34 | ch | 4-7 |
| P35 | dB | 5-7 |

MICROPROCESSOR TERMINAL DESCRIPTIONS -1

Q2001: M3087BFKBBGP

| Pin No. | Pin Name | I/O | Act. | Description |
|---------|---------------|-----|------|--------------------------------------|
| 1 | SRTXD | O | H | SIRIUS UART data output |
| 2 | SRRST | O | H | SIRIUS IC reset |
| 3 | FANCTRL | O | D/A | Fan control |
| 4 | CECIN | I | H | CEC input |
| 5 | XMTXD | O | H | XM UART data output |
| 6 | XMRXD | I | H | XM UART data input |
| 7 | XMRST | O | L | XM IC reset |
| 8 | ~KEYINT0 | I | L | KEY Interrupt input |
| 9 | RDSCLK | I | CLK | RDS serial clock input |
| 10 | RDSSDI | I | H | RDS serial data input |
| 11 | ~STEREO | I | L | FM STEREO detect |
| 12 | ~SD | I | L | FM Tuned detect |
| 13 | --- | O | L | No Use |
| 14 | ~VMUT | O | L | Video Mute |
| 15 | BYTE | I | --- | Connect to Vss |
| 16 | CNVss | I | --- | Connect to Vss |
| 17 | XMANT | I | L | XM IC 3B/4A input |
| 18 | XMLINK | I | H | XM IC 3B/4A input |
| 19 | ~RESET | I | L | Reset input |
| 20 | Xout | O | CLK | Oscillator output |
| 21 | Vss | I | --- | GND |
| 22 | Xin | I | CLK | Oscillator input |
| 23 | Vcc | I | --- | Power supply |
| 24 | ~NMI | I | L | Connect to Vcc |
| 25 | ~POFF | I | L | POFF input |
| 26 | ~POFF2 | I | L | POFF input |
| 27 | ~KEYINT1 | I | L | KEY Interrupt input |
| 28 | CECTRG | I | H | CEC trigger input |
| 29 | CECOUT | O | H | CEC output |
| 30 | Z2VOLCLK | O | H | Clock output to Zone2 Volume IC |
| 31 | Z2VOLDAT | O | H | Data output to Zone2 Volume IC |
| 32 | --- | O | H | No use |
| 33 | VSPRDY | I/O | H | Request input from Hudson FLI8125 |
| 34 | ~VSPRST | O | L | Hudson FLI8125 reset output |
| 35 | VSPREQ | O | H | Request output from Hudson FLI8125 |
| 36 | VSPSCL | I/O | H | Hudson FLI8125 I2C clock output |
| 37 | VSPSDA | I/O | H | Hudson FLI8125 I2C data input/output |
| 38 | RS232TxD/FTxD | O | H | RS232 data output/Flash rewriter pin |
| 39 | Vcc | I | H | Power supply |
| 40 | RS232RxD/FRxD | I | H | RS232 data input/Flash rewriter pin |
| 41 | Vss | I | H | GND |
| 42 | FCLK | O | H | Flash rewriter pin |
| 43 | FBUSY | O | H | Flash rewriter pin |
| 44 | ETHERTX | O | H | ETHERNET data output |
| 45 | ETHERRX | I | H | ETHERNET data input |
| 46 | ETHERRST | O | H | ETHERNET reset output |
| 47 | SEC1H | O | H | Power Supply Voltage control |
| 48 | ROMCS | O | L | EEPROM chip select |
| 49 | ROMSDI | I | H | EEPROM data input |
| 50 | ROMSDO | O | H | EEPROM data output |

MICROPROCESSOR TERMINAL DESCRIPTIONS -2

Q2001: M3087BFKBBGP

| Pin No. | Pin Name | I/O | Act. | Description |
|---------|----------|-----|------|--|
| 51 | ROMCLK | O | CLK | EEPROM clock output |
| 52 | ~TRGZ2 | O | H | 12 V Trigger Zone2 output |
| 53 | ~TRGB | O | H | 12 V Trigger B output |
| 54 | --- | I | H | Connect to Vss |
| 55 | SPRLZ2 | O | H | Zone2 Speaker relay control |
| 56 | SPDIFSW | O | H | S/PDIF Switch |
| 57 | Vss | I | H | GND |
| 58 | Z2MUTE | O | H | Zone2 mute control |
| 59 | Vcc | I | H | Power supply |
| 60 | SBZ2MUTE | O | H | Surround Back/Powered Zone2 mute control |
| 61 | AMUTE | O | H | Main audio mute control |
| 62 | SPRLSB | O | H | Surround Back SP relay control |
| 63 | SPRLCS | O | H | Center/Surround SP relay control |
| 64 | SPRLF | O | H | Front SP relay control |
| 65 | FCS | I | H | Connect to Vcc |
| 66 | ~DSP1CS | O | L | DSP1 chip select output |
| 67 | ~DSP2CS | O | L | DSP2 chip select output |
| 68 | ~DSP3CS | O | L | DSP3 chip select output |
| 69 | SELSTB | O | H | Audio input selector IC strobe output |
| 70 | SELDAT | O | H | Audio input selector IC data output |
| 71 | SELCLK | O | CLK | Audio input selector IC clock output |
| 72 | ~DSCCS | O | L | CS4398 chip select output |
| 73 | ~DIRCS | O | L | CS42528 chip select output |
| 74 | Vcc | I | --- | Power supply |
| 75 | ~TRGA | O | H | 12V Trigger A output |
| 76 | Vss | I | --- | GND |
| 77 | VOLDAT | O | H | Volume IC data output |
| 78 | VOLCLK | O | CLK | Volume IC clock output |
| 79 | ~DSP3INT | I | L | DSP3 BUSY detect input |
| 80 | ~DSP3RST | O | L | DSP3 reset output |
| 81 | ~DSP2INT | I | L | DSP2 BUSY detect input |
| 82 | ~DSP2RST | O | L | DSP2 reset output |
| 83 | ~DSP1INT | I | L | DSP1 BUSY detect input |
| 84 | ~DSP1RST | O | L | DSP1 reset output |
| 85 | ~DACRST | O | L | DAC reset output |
| 86 | ~DIRINT | I | H | DIRCODEC Error detect input |
| 87 | DSP1NIC | I | L | DSP1 status change input |
| 88 | DIGSDI | I | H | DIR/DSP/DAC/FLD data input |
| 89 | DIGCLK | O | CLK | DIR/DSP/DAC/FLD clock output |
| 90 | DIGSDO | O | H | DIR/DSP/DAC/FLD data output |
| 91 | Vcc | I | --- | Power supply |
| 92 | PROTECT | I | H | PROTECT detect input |
| 93 | Vss | I | --- | GND |
| 94 | --- | O | H | No use |
| 95 | APOWER | O | H | Main Power trans control output |
| 96 | MEQMUTE | I | H | 3rd DSP Audyssey mute detect input |
| 97 | VPOWER | O | H | Video power supply control output |
| 98 | --- | O | H | No use |
| 99 | VOLH | I | A/D | Power output level detect input |
| 100 | THERMAL2 | I | A/D | Thermal sensor2 input |

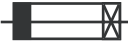
MICROPROCESSOR TERMINAL DESCRIPTIONS -3

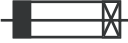
Q2001: M3087BFKBBG

| Pin No. | Pin Name | I/O | Act. | Description |
|---------|----------------|-----|------|---|
| 101 | THERMAL1 | I | A/D | Thermal sensor1 input |
| 102 | ~REMIN | I | L | Remote control signal input |
| 103 | IRIN | I | H | IR interrupt |
| 104 | SYSIN | I | H | RI input |
| 105 | SYSOUT | O | L | RI output |
| 106 | MICMUTE | O | H | Setup Mic mute control |
| 107 | ~MICDET | I | L | Setup Mic detect input |
| 108 | ~FLDCS | O | H | (FL driver chip select output) |
| 109 | ~HPDET | I | H | Headphone detect input |
| 110 | INIT3 | I | A/D | Initial setup input 3 |
| 111 | INIT2 | I | A/D | Initial setup input 2 |
| 112 | INIT1 | I | A/D | Initial setup input 1 |
| 113 | BAND | I | A/D | Initial setup input |
| 114 | PCMSW | O | H | PCM switch |
| 115 | --- | O | H | No use |
| 116 | ~DIRSW | O | H | DIR switch |
| 117 | DSDRCSW | O | H | No use |
| 118 | LEDZ2 | O | H | Zone2 LED control output |
| 119 | VOLB | I | H | Master volume data input |
| 120 | VOLA | I | H | Master volume data input |
| 121 | VOLLED | O | H | Volume LED control output |
| 122 | LEDSTBY | O | H | STANDBY LED control output |
| 123 | ~FLDRST | O | L | FL driver IC reset control |
| 124 | RXMUTE | I | H | HDMI Receiver mute input |
| 125 | TXMUTE | O | H | HDMI Transmitter mute output |
| 126 | ~HDMIRST | O | L | HDMI reset control |
| 127 | HDMISTB | I | H | HDMI Strobe input |
| 128 | HDMISDI | I | H | HDMI data input |
| 129 | HDMICLK | O | CLK | HDMI clock output |
| 130 | Vss | I | --- | GND |
| 131 | HDMISDO | O | H | HDMI data output |
| 132 | Vcc | I | --- | Power supply |
| 133 | KEY3 | I | A/D | Selector Key voltage input |
| 134 | KEY2 | I | A/D | Selector Key voltage input |
| 135 | KEY1 | I | A/D | Selector Key voltage input |
| 136 | KEY0 | I | A/D | Selector Key voltage input |
| 137 | ~DSP1DEC | I | L | DSP1 decode status input |
| 138 | --- | O | H | No use |
| 139 | TUNSDA/VSELSDA | I/O | H | Tuner PLL/Video Sel I2C data input/output |
| 140 | AVss | I | --- | GND |
| 141 | TUNSCL/VSELSCL | I/O | H | Tuner PLL/Video Sel I2C clock output |
| 142 | Vref | I | --- | Connect to Vcc |
| 143 | AVcc | I | --- | Power supply |
| 144 | SRRxD | I | H | SIRIUS UART data input |

SERVICE PROCEDURES-1

1. Replacing the fuses

 This symbol located near the fuse indicates that the fuse used is show operating type, For continued protection against fire hazard, replace with same type fuse, For fuse rating, refer to the marking adjacent to the symbol.

 Ce symbole indique que le fusible utilise est e lent. Pour une protection permanente, n'utiliser que des fusibles de meme type. Ce demier est indique la qu le present symbol est apposse.

<Notes>

| | |
|--|---------------------------------|
| <DC> : TX-SR705 USA and Canadian model | <MO> : TX-SR705 Saudi model |
| <DT> : TX-SR705 Taiwanese model | <MK> : TX-SR705 Korean model |
| <MP> : TX-SR705 European model | <MQ> : TX-SR705 Hong kong model |
| <MA> : TX-SR705 Australian model | <MR> : TX-SA705 Chinese model |
| <MT> : TX-SR705 Southeast Asian model | |

| REF NO. | PART NAME | DESCRIPTION | PART NO. | REMARKS |
|---------|-----------|--------------|----------|---------------------------------|
| F901 | FUSE | 10A-UL/T-233 | 252330GR | !, <DC, DT> |
| F901 | FUSE | 5A-SE-EAK | 252078GR | !, <MP, MA, MO, MK, MQ, MT, MR> |
| F903 | FUSE | 5A-UL/ T-233 | 252326GR | !, <DC> |
| F903 | FUSE | 2.5A-SE-EAK | 252075GR | !, <MP> |
| F910 | FUSE | 5A-UL/T-233 | 252326GR | !, <DC, DT> |
| F910 | FUSE | 5A-SE-EAK | 252078GR | !, <MP, MA, MO, MK, MQ, MT, MR> |
| F6901 | FUSE | 12A-TUL-250V | 252301GR | ! |
| F6902 | FUSE | 12A-TUL-250V | 252301GR | ! |

2. To initialize the unit

1. Press and hold down VCR/DVR button, then press STANDBY/ON button when the unit is powered on.
2. After " Clear " is displayed, the preset memory and each mode stored in the memory are initialized and will return to the factory settings, and turn to Standby mode.

3. Safety check out

(U.S.A. model only)

After correcting the original service problem, perform the following safety check before releasing the unit to the customer.

Leakage current Check

Measure the leakage current to a known earth ground (water pipe or conduct etc.) by connecting a leakage current tester between the earth ground and exposed metal parts of the unit (input/output ground terminals, screw heads or metal overlays etc.).

Plug the power supply cord directly into a 120Vac 60Hz wall socket and turn STANDBY/ON button on.

Any current measured must not exceed 0.5mA.

4. Memory Backup

This model uses not a capacitor but a EEPROM IC in order to retain radio presets and other settings. So, memory contents will be kept eternally with no care.

5. Replacing Power Amplifier Parts

When a power amplifier of certain channel is broken and goes into Protect mode, the following parts in the channel must be replaced at the same time, because these parts get damage together in most cases.

| Front L ch | Front R ch | Center ch | Surround L ch | Surround R ch | Surround Back L ch | Surround Back R ch |
|-------------|-------------|-------------|---------------|---------------|--------------------|--------------------|
| Q6051,Q6061 | Q6052,Q6062 | Q6050,Q6060 | Q6053,Q6063 | Q6054,Q6064 | Q6055,Q6065 | Q6056,Q6066 |
| Q6031,Q6041 | Q6032,Q6042 | Q6030,Q6040 | Q6033,Q6043 | Q6034,Q6044 | Q6035,Q6045 | Q6036,Q6046 |
| Q6011,Q6001 | Q6012,Q6002 | Q6010,Q6000 | Q6013,Q6003 | Q6014,Q6004 | Q6015,Q6005 | Q6016,Q6006 |
| C6041,R6101 | C6042,R6102 | C6040,R6100 | C6043,R6103 | C6044,R6104 | C6045,R6105 | C6046,R6106 |
| R6081,R6091 | R6082,R6092 | R6080,R6090 | R6083,R6093 | R6084,R6094 | R6085,R6095 | R6086,R6096 |
| R6071,R6021 | R6072,R6022 | R6070,R6020 | R6073,R6023 | R6074,R6024 | R6075,R6025 | R6076,R6026 |

SERVICE PROCEDURES-2

6. Replacing microprocessors and flash memories

These descriptions are about writing programs to a new IC which is replaced with broken one.

1. Main microprocessor

Target IC: Q2001

No need to write the program directly to a chip by a specific ROM writer. Mount the chip on pcb and the pcb on the unit.

Refer to **FIRMWARE UPDATE-2** for the way to write the program.

2. Video (HDMI) microprocessor

Target IC: Q8701

No need to write the program directly to a chip by a specific ROM writer. Mount the chip on pcb and the pcb on the unit.

Refer to **FIRMWARE UPDATE-3** to 10 for the way to write the program.

3. 1st DSP ROM

Target IC: Q3451

Must write the program directly to a chip by a specific ROM writer before mounting on pcb.

ROM writer example: AF9708 (Ando Electric) and compatibles.

4. 2nd DSP ROM

Target IC: Q3551

Must write the program directly to a chip by a specific ROM writer before mounting on pcb.

ROM writer example: AF9708 (Ando Electric) and compatibles.

5. 3rd DSP ROM

Target IC: Q3651

Must write the program directly to a chip by a specific ROM writer before mounting on pcb.

ROM writer example: AF9708 (Ando Electric) and compatibles.

6. Video processor (HUDSON)

Target IC: Q8011

No need to write the program directly to a chip by a specific ROM writer. Mount the chip on pcb and the pcb on the unit.

Refer to **FIRMWARE UPDATE-5 to 10** for the way to write the program.

This procedure is through Gprobe socket P8011 on pcb: NAHDM-9265s.

7. Network (E-Control) (DTR-6.8 only)

Target IC: Q2801, Q2802

No need to write the program directly to a chip. Mount the chip on pcb and the pcb on the unit.

Need the writer "PICKit 2 (MICROCHIP)" and PC application to write.

This procedure is through JTAG socket on pcb: NALAN-9268.

FIRMWARE UPDATE -1

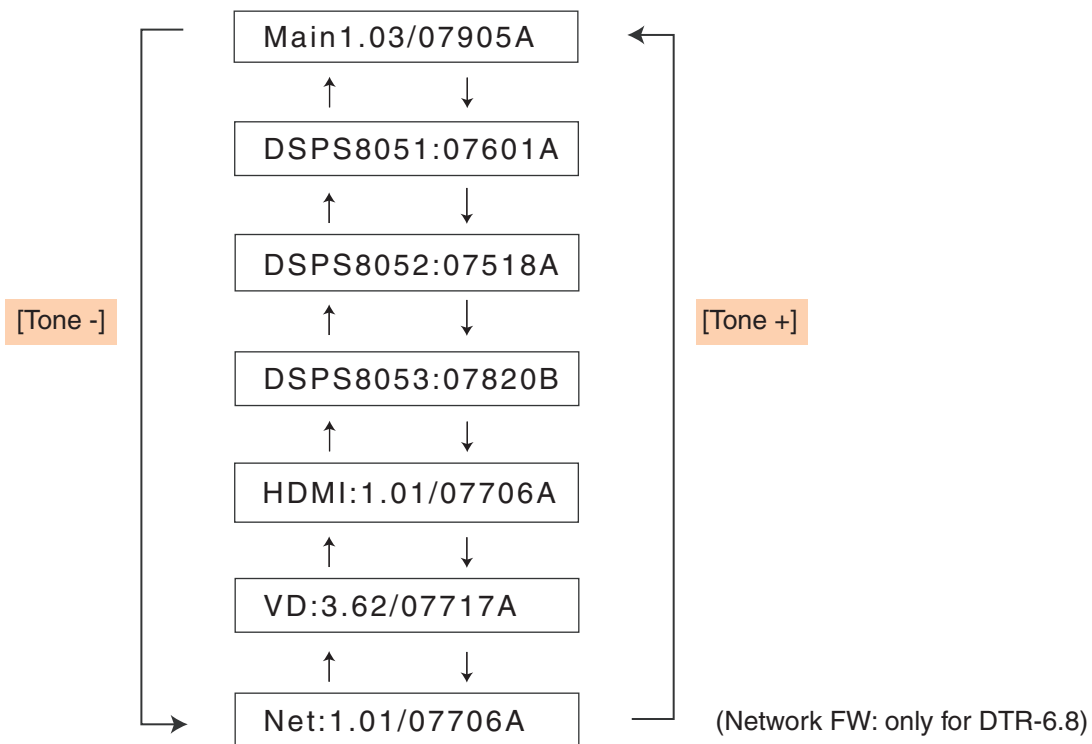
How to Check Versions of Main, DSP(1st to 3rd), HDMI and Video

1. Press and hold down [DISPLAY] button, then press [STANDBY/ON] button when the unit is power on.
The main microprocessor version will be displayed on Front Display for about 3 seconds.

<e.g.>

Main1.03/07905A

2. Press [Tone +] button while the version is displayed. Then, "DSP 1st SR8051/07601A" will be displayed.
Press [Tone +] button again while "DSPS8051:07601A" is displayed. Then, "DSP 2nd: SR8052/07518A" will be displayed.
In this way, as [Tone +] button is pressed while a version is displayed, the next information will be displayed.
If [Tone -] button is pressed, the order will be reversed.



Note: These versions are the latest as of October 1, 2007.

FIRMWARE UPDATE -2

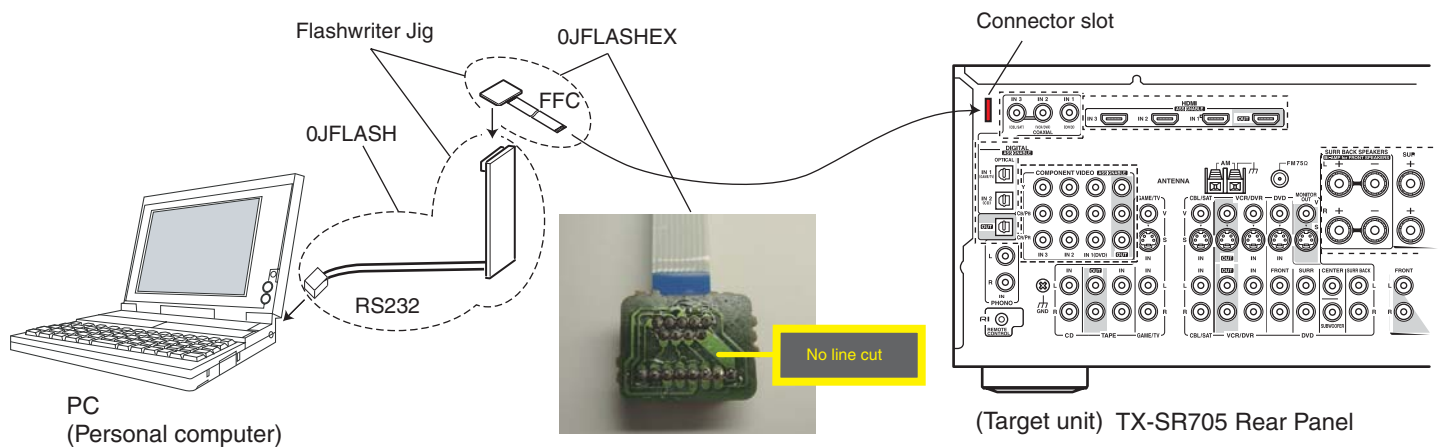
Preparation for Update (Main)

A: Hardware and Software

1. Personal computer(PC) with Windows XP or 2000
2. Flashwriter jig: 0JFLASH and 0JFLASHEX for Main
3. Writing soft: "flasta_exe.zip" and Manual: "Flash Writer M16 Manual.pdf"
Download and unzip "flasta_exe.zip" to extract "FlashSta.exe" etc. in advance.
4. Program & ID: Download the latest ".mot" and ".id" files for TX-SR705/TX-SA705/DTR-6.8 and store in the same folder as "FlashSta.exe."

B: Connection and Setup

1. While the target unit is off, connect 0JFLASH and 0JFLASHEX to RS232 port of the PC.
2. Connect the FFC of the jig to the connector slot on the rear panel of TX-SR705/TX-SA705/DTR-6.8.
3. Power on the unit.



Main Microprocessor Update Procedure

1. Start "FlashSta.exe" and update the unit referring to "Flash Writer M16 Manual.pdf."
MCU Type is M16C/80 M32. It takes about 5 minutes.
2. After Program and Read Check are finished, click "Exit" button to end "FlashSta.exe".
3. Turn off the main power switch or pull the power cord off the wall socket.
Pay attention that pushing STANDBY/ON button to power off is not perfect.
4. Remove the jig from the unit and power on the unit again. Confirm the new version number.

FIRMWARE UPDATE -3

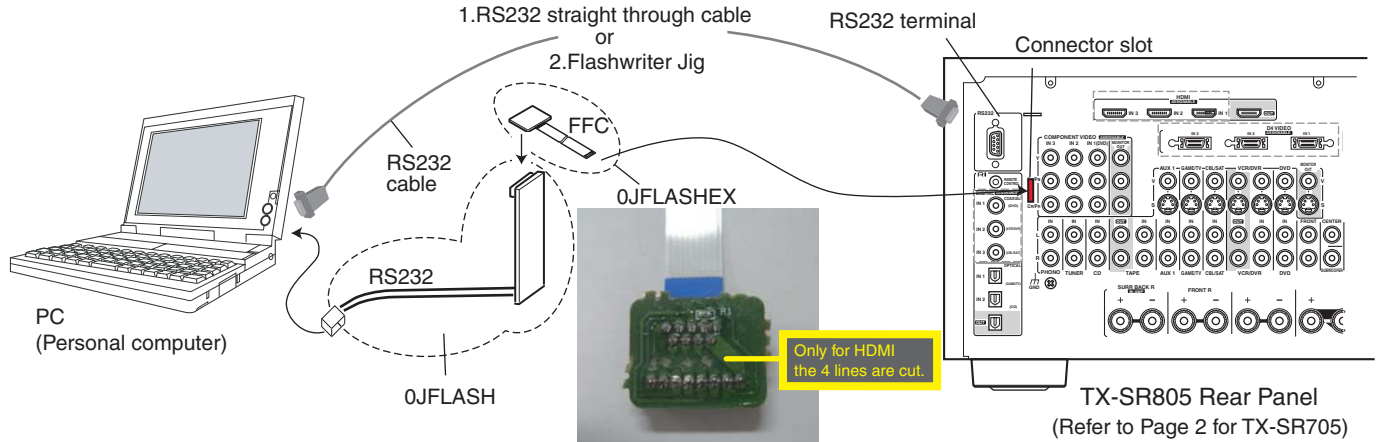
Preparation for Update (HDMI)

A: Hardware and Software

1. Personal computer(PC) with Windows XP or 2000.
2. Cable: RS232 straight cable or Flashwriter jig: 0JFLASH and 0JFLASHEX for HDMI.
3. Writing soft: "HDMIUpdater_SR805_07706A.zip" for HDMI microprocessor. (File name depends on the version)
Unzip "HDMIUpdater_SR805_07706A.zip" in advance.

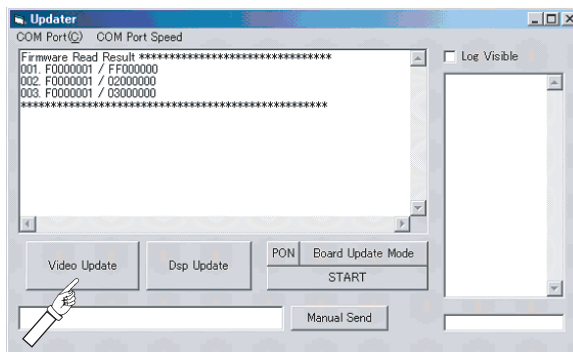
B: Connection and Setup

1. While the target unit is off, connect the unit and PC with RS232 straight through cable.
If RS232 cable is not available, connect 0JFLASH and 0JFLASHEX to RS232 port of the PC, and then connect the FFC of the jig to the connector slot on the rear panel of TX-SR805/TX-SA805/DTR-7.8.
2. Power on the PC.

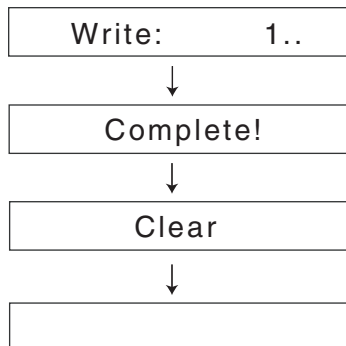


HDMI Update Procedure

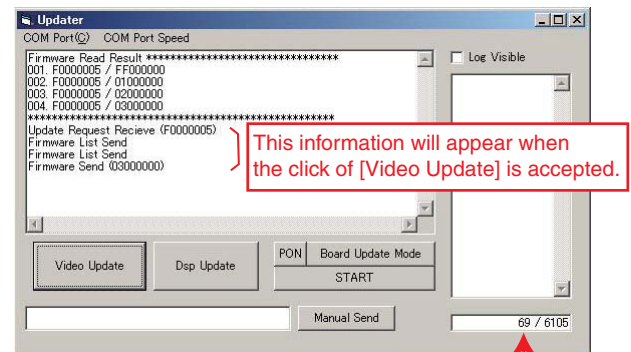
1. Double click "Update.exe" in the unzipped folder "HDMIUpdater_SR805_07706A" (Folder name depends on the version.)
The following window will appear.



2. Click "Video Update" button. The update takes about 5 minutes.
The message on Front Display will change as follows.



The unit is put into the Standby mode.



The number is going up
as writing is proceeding.

3. After the update ends, turn off the unit's main power switch or pull the power cord off the wall socket.
4. Remove the jig from the unit and power on the unit again. Confirm the new version number.

FIRMWARE UPDATE -4

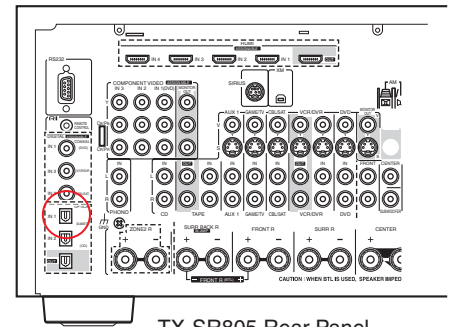
Preparation for Update (DSP, all in one)

A: Hardware and Software

1. Blank CD-R, PC, CD-R writing software.
2. Writing soft: "CD_SR805123_07601A_07518A_07820B.wav"
(File name depends on the version.)
Store it in a blank CD-R as a music CD in advance.
3. CD player with Optical output terminal.
Note: Some CD players and a lot of DVD players process audio signal before output. Such players cannot be used for this update.
4. Optical cable.

B: First Procedure

1. Connect a CD player with the target unit via Optical Input 1.
2. Power on the unit and wait for more than 10 seconds.



TX-SR805 Rear Panel
(Refer to Page 2 for TX-SR705)

DSP Update Procedure

1. Press and hold down [DISPLAY] button and then press [STANDBY/ON] button to show Main FW version when the unit is powered on.

<e.g.>

Main:
8 1.05/07903A

2. Press [Tone +] button while the Main version is displayed. Then, 1st DSP FW version will be displayed.

<e.g.>

DSP 1st:
SR8051:07601A

3. Press [Return] button while the target DSP version is displayed. Then, the following message will appear.

S/PDIF Update..

4. Play the DSP FW CD-R with the CD player. After playback starts, the messages will change as below.

Estimated Time in CD player

0:15

Writing...
1st DSP

0:30

S/PDIF Update..

0:42

Writing...
2nd DSP

0:52

S/PDIF Update..

1:04

Writing...
3rd DSP

If playback is finished without the above message, please try again.

Note: Some DVD players are not suitable for this update. If writing results in failure, use another model of player.

DURING WRITING, DO NOT TURN OFF THE POWER and DO NOT DISCONNECT OPTICAL CABLE.

If writing is stopped in the middle, Flash IC may need replacing.

After writing of 3rd DSP ends, the message in Step 3 will appear again.

Make sure that no more "Writing..." will appear.

S/PDIF Update..

Check Points:

1. "Writing... 1st DSP" was shown.
2. CD player has been playing for more than 1 minutes + 4 seconds and finishes playback.

5. Press [Standby/On] button and see Front Display change as below.

↓
Clear

↓
The unit is put into the Standby mode.

6. Turn on the unit and confirm the new version number.

FIRMWARE UPDATE -5

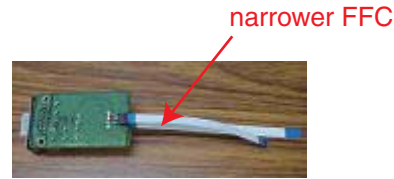
Preparation for Update (Video)

A: Hardware

1. PC with RS232C terminal
2. RS232 straight through cable
3. 0JHUDSON (Adaptor Jig)



OR



B: Software

GProbe 5[1].4.0.3.zip

Unzip it and install the software by clicking "GProbe5.4.0.3.exe" in advance referring to FIRMWARE UPDATE-9-10.

C: First Procedure

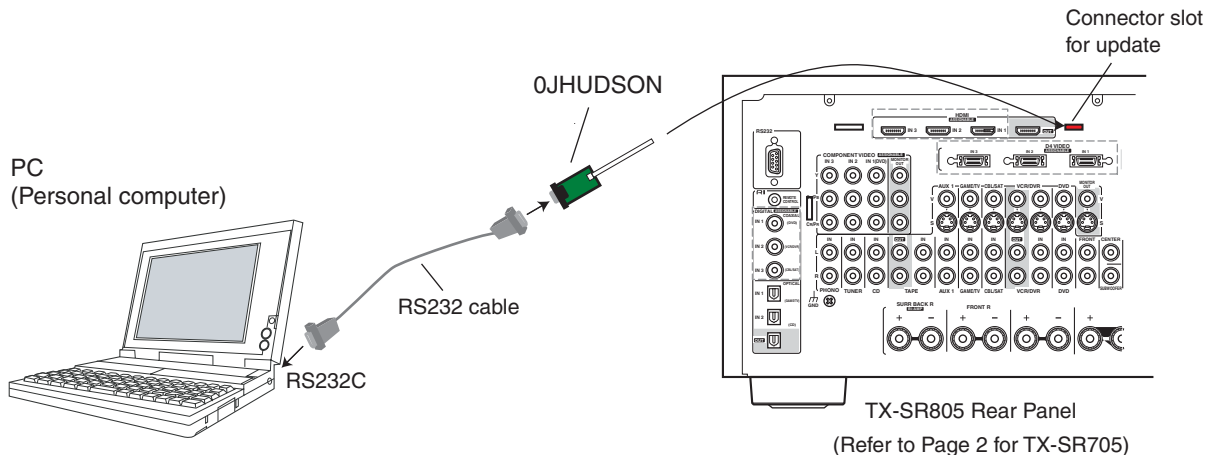
1. Create a folder in C drive and name it "Batch_File."
C:\Batch_File
2. Store 3 provided files in the folder.
<e.g.>



ssst25vf080b_istemp_spi.hex : for communication
 VD***_*****_OSD*****.bat : Batch file
 VD***_*****_OSD*****.hex : Program file

D: Connection and Setup

1. While the target unit is off, connect 0JHUDSON & RS232 cable to RS232 port of the PC.
2. Connect the FFC of the jig to the connector slot on the rear panel of TX-SR805/TX-SA805/DTR-7.8/
TX-SR705/DTR-6.8.
3. Power on the unit.



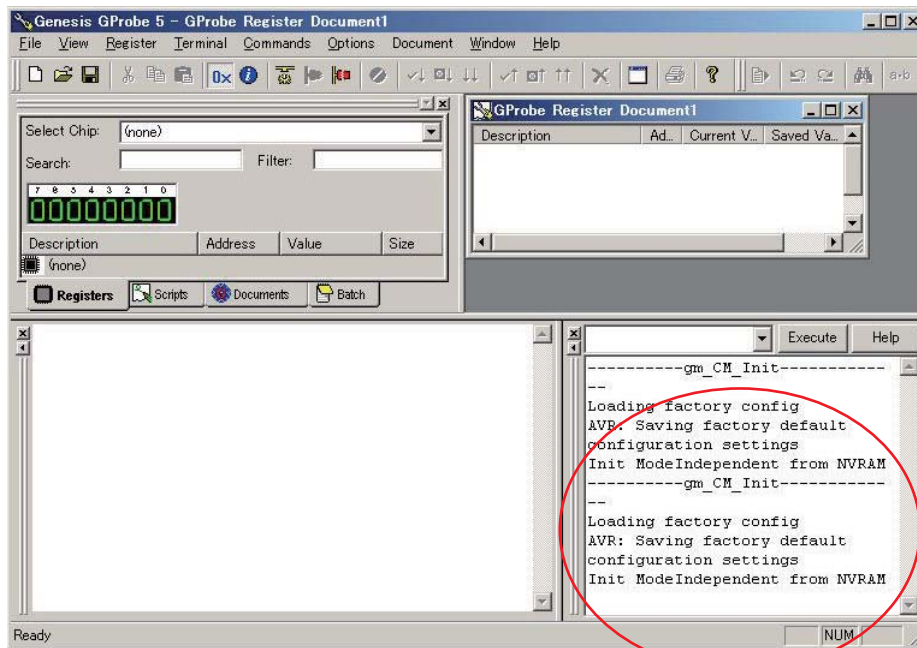
FIRMWARE UPDATE -6

Video Update Procedure

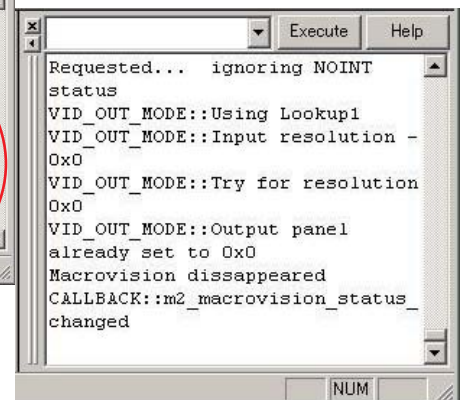
1. Start GProbe by clicking the icon.



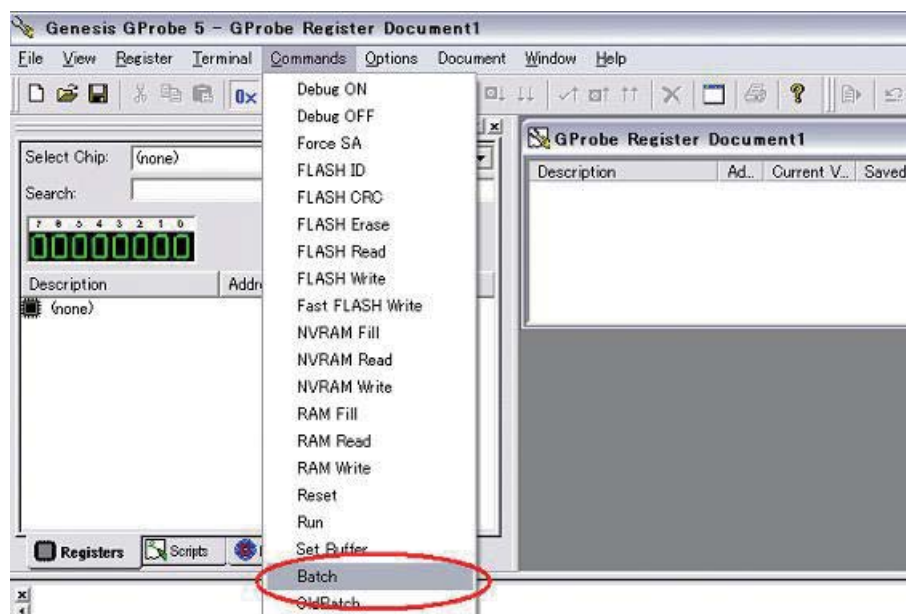
2. Turn on the unit and make sure that some information appears in the bottom right corner of the window. If nothing appears in this area, the PC does not communicate with the unit.



Wait until reading stops.



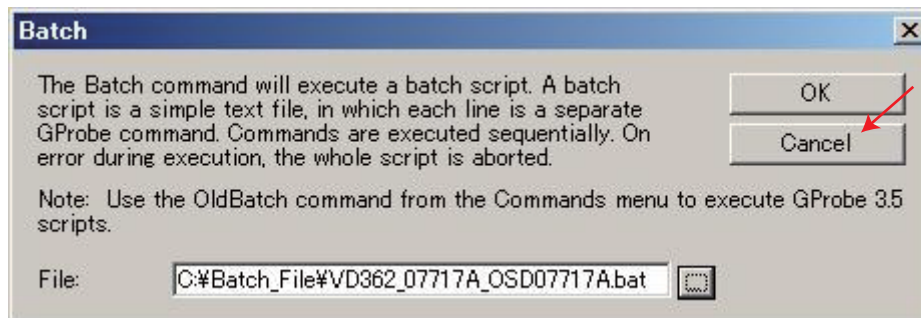
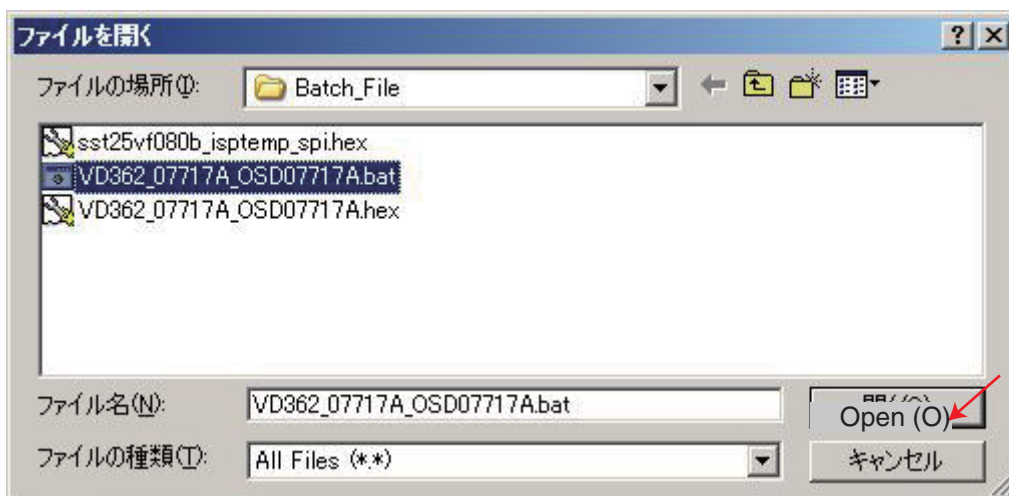
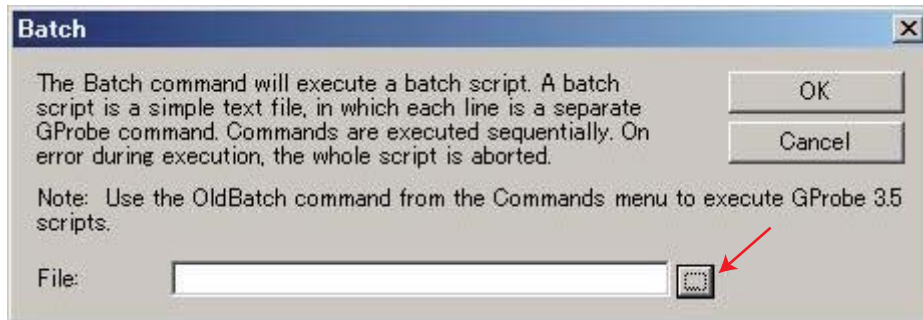
3. Click "Commands" in the menu bar and select "Batch."



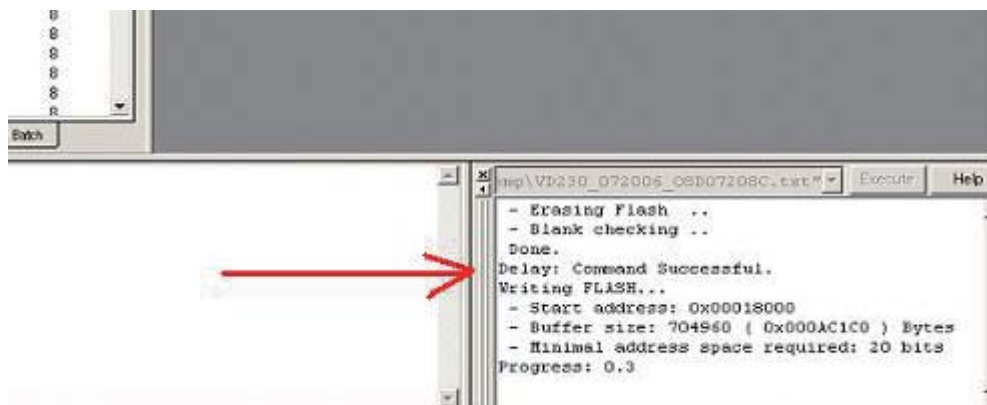
FIRMWARE UPDATE -7

Video Update Procedure(Continued)

4. Start Batch file by selecting the batch file stored in First Procedure.



5. Make sure that “Command Successful. Writing FLASH...” appears in the bottom right corner of the window.

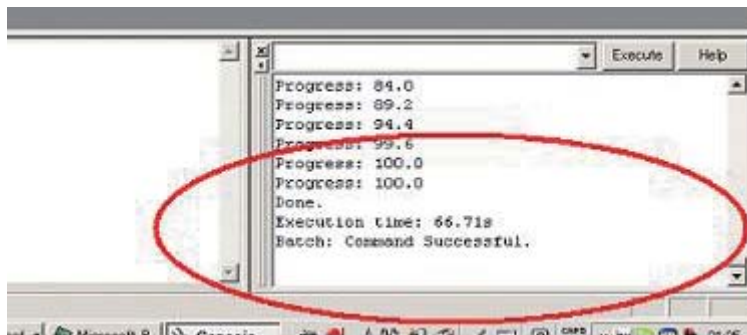


Note:
Front Display on the unit will show no information about writing but continue to display what was shown before.

FIRMWARE UPDATE -8

Video Update Procedure(Continued)

6. Make sure that “Progress: 100.0 Command Successful” is shown as below.



A screenshot of a Windows command prompt window. The window title is "Execute Help". The text inside the window shows the progress of a firmware update: "Progress: 84.0", "Progress: 89.2", "Progress: 94.4", "Progress: 99.6", "Progress: 100.0", "Progress: 100.0", "Done.", "Execution time: 66.71s", and "Batch: Command Successful.". A red oval is drawn around the text from "Progress: 99.6" to "Batch: Command Successful.".

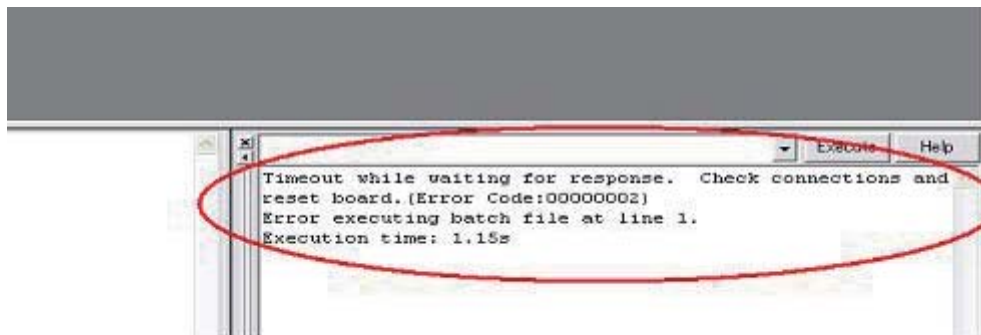
```
Progress: 84.0
Progress: 89.2
Progress: 94.4
Progress: 99.6
Progress: 100.0
Progress: 100.0
Done.
Execution time: 66.71s
Batch: Command Successful.
```

7. Turn off and on the unit.

8. Confirm the new version number.

NOTE:

If “Command Successful Writing FLASH...” does not appear, turn off and on the unit, and try again from Step 1.



A screenshot of a Windows command prompt window. The window title is "Execute Help". The text inside the window shows an error message: "Timeout while waiting for response. Check connections and reset board.(Error Code:00000002)", "Error executing batch file at line 1.", and "Execution time: 1.15s". A red oval is drawn around the error text.

```
Timeout while waiting for response. Check connections and
reset board.(Error Code:00000002)
Error executing batch file at line 1.
Execution time: 1.15s
```

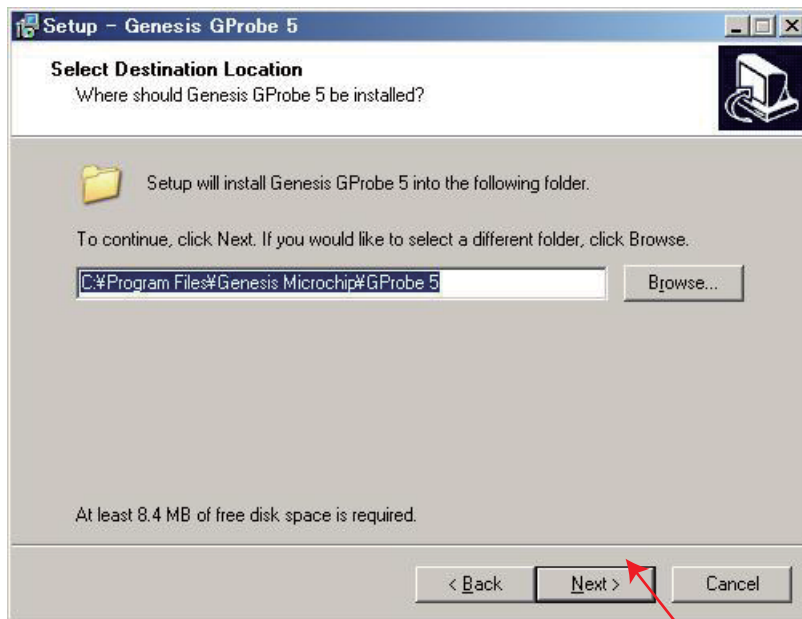
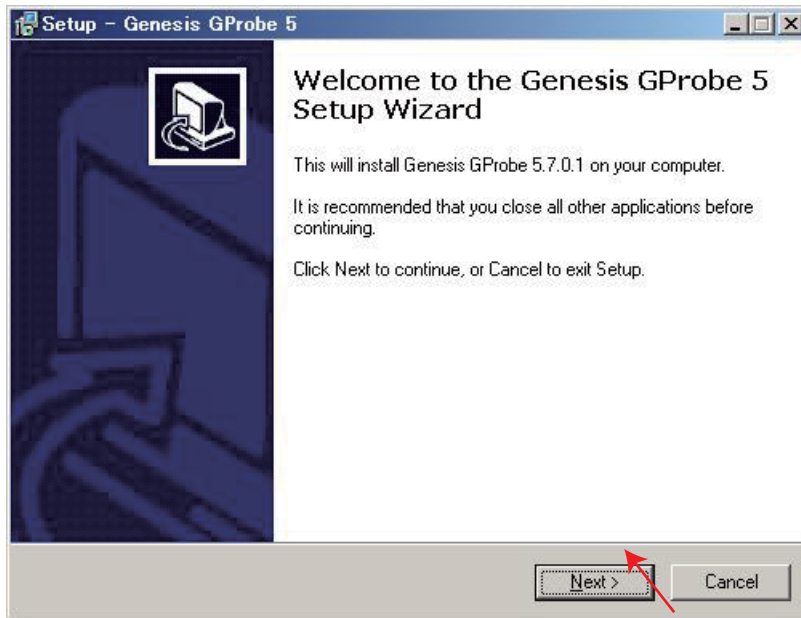
FIRMWARE UPDATE -9

How to install GProbe

This procedure is necessary to start Video Update (See FIRMWARE UPDATE -5)

1. Unzip “GProbe 5[1].4.0.3.zip” and double-click the extracted file “GProbe5.4.0.3.exe.”
2. Follow the instructions on the window as below.

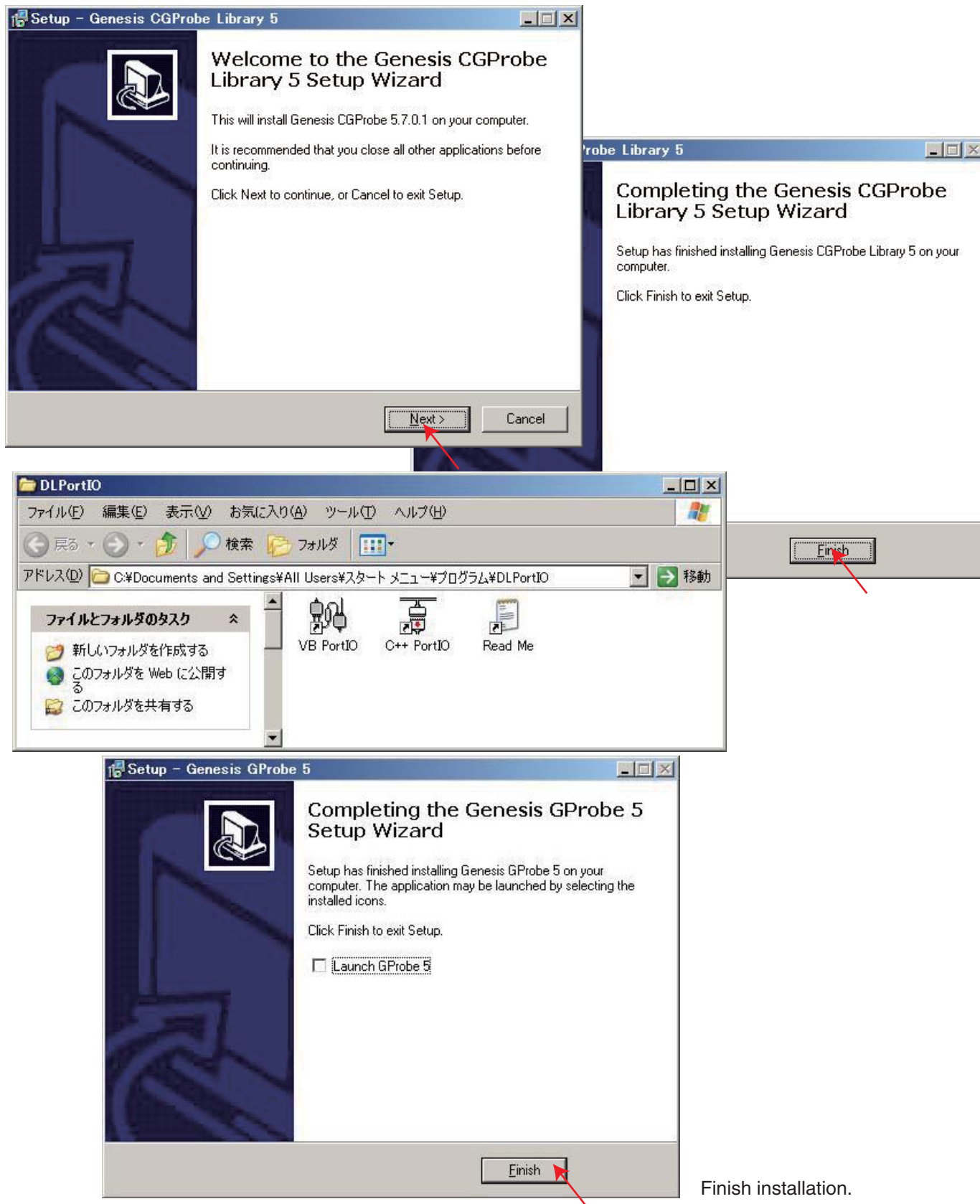
Note: Not all the windows are shown in this procedure.



FIRMWARE UPDATE -10

How to install GProbe(Continued)

3. Another Setup Wizard starts.



Finish installation.

OPERATION CHECK-1

SPEAKER PROTECT-1 (DC VOLTAGE DETECTION)

[When]


1. Exchange power transistors (Q6050 - Q6056, Q6060 - Q6066).
2. Exchange amplifier PC board ass'y (NAAF-9142).

[Procedure]

<Note>

No load. No input.

1. Press and hold down CD button, then press STANDBY/ON button while the unit is powered on.
"Test - _" will be displayed only for 5 seconds.

Test -  Blinks

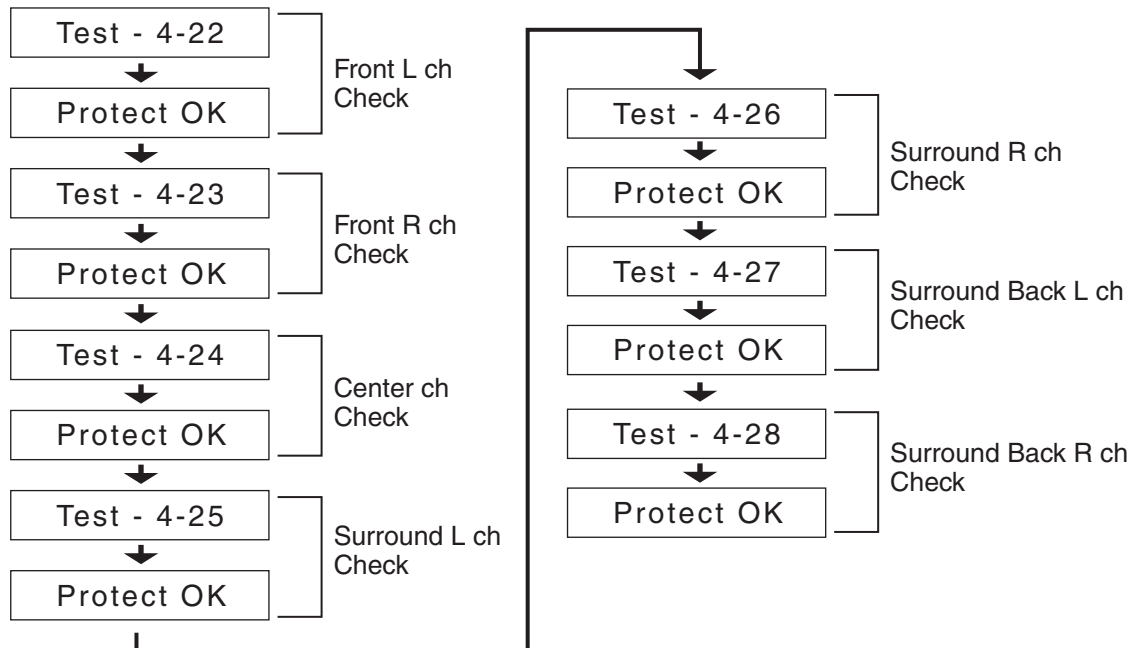
2. Press GAME/TV button, while the characters of "Test - _" will be displayed.
The unit is in the state of "Test-4-00".

Test - 4-00

3. Repeatedly press TONE + button until the characters of "Test-4-22" are displayed.

Test - 4-22

Check whether the operation starts and continues automatically as follows.



If all channels are OK, the characters of "Test - 4-36" will be displayed.

Test - 4-36

4. Press STANDBY/ON button.



OPERATION CHECK-2

SPEAKER PROTECT-2 (CURRENT DETECTION)

[When]

1. Exchange power transistors (Q6050 - Q6056, Q6060 - Q6066).
2. Exchange amplifier PC board ass'y (NAAF-9142).

[Procedure]


<Note>

No input.

Do not check two or more channels at the same time.

Do not connect a dummy load to speaker terminals longer than 2 seconds.

1. Press and hold down CD button, then press STANDBY/ON button while the unit is powered on.
" Test - _ " will be displayed only for 5 seconds.

Test - _  Blinks

2. Press GAME/TV button, while " Test - _ " is displayed.
The unit will be in the state of " Test-4-00 ".

Test - 4-00

3. Repeatedly press TONE + button until " Test-4-36 " is displayed.

Test - 4-36

4. Connect the dummy load of 3 ohms to the Front L ch speaker terminals.
At this time, confirm that the speaker relay is not turned off.

Test - 4-36

5. Connect the dummy load of 1 ohm to the Front L ch speaker terminals.
At this time, confirm that the speaker relay is turned off and " Protect " is displayed.

Protect

Disconnect the dummy load immediately after checking the display of " Protect ".

Test - 4-36

6. Check other channels according to the same procedure as 4 and 5.
Front R, Center, Surround L, Surround R, Surround Back L, Surround Back R

7. Press STANDBY/ON button.

Clear  

OPERATION CHECK-3

CONTROL OF POWER SUPPLY (OUTPUT SENSOR AND THERMAL SENSOR)

[When]

1. Exchange power transistors (Q6050 - Q6056, Q6060 - Q6066).
2. Exchange power amplifier PC board ass'y (NAAF-9142).
3. Exchange thermal sensor PC board ass'y (NAETC-9144).


[Procedure]

<Note>

No output. No input.

Output sensor

1. Press and hold down CD button, then press STANDBY/ON button while the unit is powered on.
"Test - _" will be displayed only for 5 seconds.

Test -  Blinks

2. Press GAME/TV button while "Test - _" is displayed.
The unit will be in the state of "Test-4-00".

Test - 4-00

3. Repeatedly press TONE + button until "Test-4-37" is displayed.

Test - 4-37

4. At this time, confirm that the red characters of "FM STEREO" is displayed.
And, check relay RL6901 and RL6902 are turned off in 2 or 3 seconds.

Test - 4-37  (Front R, Center, Surround L ch check)

5. Press TONE + button, then "Test-4-38" will be displayed.

Test - 4-38

6. At this time, confirm that the red characters of "FM STEREO" is displayed.
And, check relay RL6901 and RL6902 are turned off in 2 or 3 seconds.

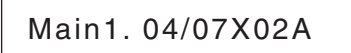
Test - 4-38  (Surround R, Surround Back L, Surround R ch check)

7. Press STANDBY/ON button.


Clear  Turn off

Thermal sensor

1. Press and hold down DISPLAY button, then press STANDBY/ON button when the unit is powered on.
The main microprocessor version will be displayed only for 3 seconds.

<Ex.> 

2. Press TONE button while the version is displayed. The temperature of thermal sensor will be displayed.

<Ex.> 

3. Confirm that the displayed temperature is within +/-20 °C from the ambient temperatures.

4. Press STANDBY/ON button.

Clear  Turn off

OPERATION CHECK-4

Condition of Protect Mode

The unit will go into Protect mode under the following conditions.
(T: Thermal sensor temperature)

1. Thermal condition

After 10 minutes of $T \geq 100\text{ }^{\circ}\text{C}$

or

Immediately $T \leq -30\text{ }^{\circ}\text{C}$

or

Immediately $T > 150\text{ }^{\circ}\text{C}$

or

Immediately $T \geq 90\text{ }^{\circ}\text{C}$ (if $T > 40\text{ }^{\circ}\text{C}$ when power is on)

or

Immediately $T \geq 90\text{ }^{\circ}\text{C}$ (if the unit is powered on longer than 24 hours)

2. DC voltage condition

The sum of dc voltage of 7 channel speaker outputs is more than 7 V.

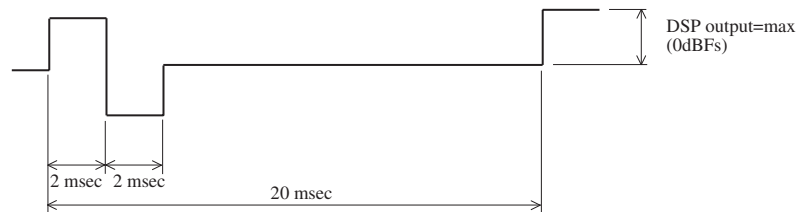
3. Current condition

Protect will be on if speaker output ac current $\geq 35\text{ A}$.

Protect will not be on if speaker output ac current $\geq 11.7\text{ A}$.

This condition is equivalent to OPERATION CHECK-2.

Test wave form:



Condition of Power Supply Control

The power supply voltage(VH or VL) for power amplifiers is changed by the relays: RL6901 and RL6902.

$VH > VL$ (At VL, the maximum speaker outputs are reduced for safety)

T: Thermal sensor temperature

VOLH: Pin #99 input voltage of Main microprocessor: Q2001 (Refer to SD-2:A3 and SD-5:G3 of Schematic Diagram).

VL: $VOLH \geq 0.45\text{V}$ and $T \geq 65\text{ }^{\circ}\text{C}$

or

$VOLH \geq 2.6\text{V}$ (Longer than 240ms)

VH: Conditions except above

Condition of Cooling Fan Operation

The cooling fan will stop or rotate under the following conditions.

STOP:

$VOLH < 0.35\text{V}$

LOW SPEED:

$VOLH \geq 0.35\text{V}$

MID SPEED:

$VOLH > 0.55\text{V}$ or $T \geq 55\text{ }^{\circ}\text{C}$

HIGH SPEED:

$VOLH \geq 0.45\text{V}$ and $T \geq 65\text{ }^{\circ}\text{C}$

ADJUSTMENT PROCEDURE-1

IDLING CURRENT ADJUSTMENT

[When]

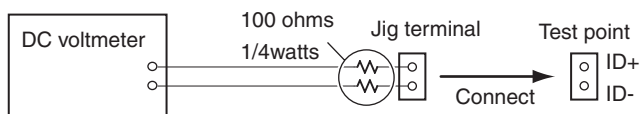
Exchange Power transistor (Q6050 - Q6056, Q6060 - Q6066) and/or Amplifier PC board (NAAF-9142).

[Procedure]

<Note> No load and No signal

Refer to <Fig-1> in " ADJUSTMENT PROCEDURE-2 " for the adjustment points and the test points.

1. Before idling adjustment, turn the trimming resistors to counter clockwise.
2. Connect the dc voltmeter to test points,
using two 100 ohm resistors between the poles of the jig terminal and the dc voltmeter terminals.



3. Connect the ac power cord to wall outlet.
4. Press STANDBY/ON button to turn the power on.
5. Adjust the trimming resistors as the following procedure immediately after power on.

| Channel | Mark | Adjustment point (Trimming resistor) | Measuring point (Test point) | Adjustment value |
|---------------------|------------|---|---------------------------------|------------------|
| Center | C | R6040 | P6080 | 2.5 mV |
| Front Left | L | R6041 | P6081 | 2.5 mV |
| Front Right | R | R6042 | P6082 | 2.5 mV |
| Surround Left | SL | R6043 | P6083 | 1.5 mV |
| Surround Right | SR | R6044 | P6084 | 1.5 mV |
| Surround Back Left | SBL | R6045 | P6085 | 1.5 mV |
| Surround Back Right | SBR | R6046 | P6086 | 1.5 mV |

6. Wait for 4 - 6 minutes. (Heat running)
7. Re-adjust the trimming resistors as the following procedure.

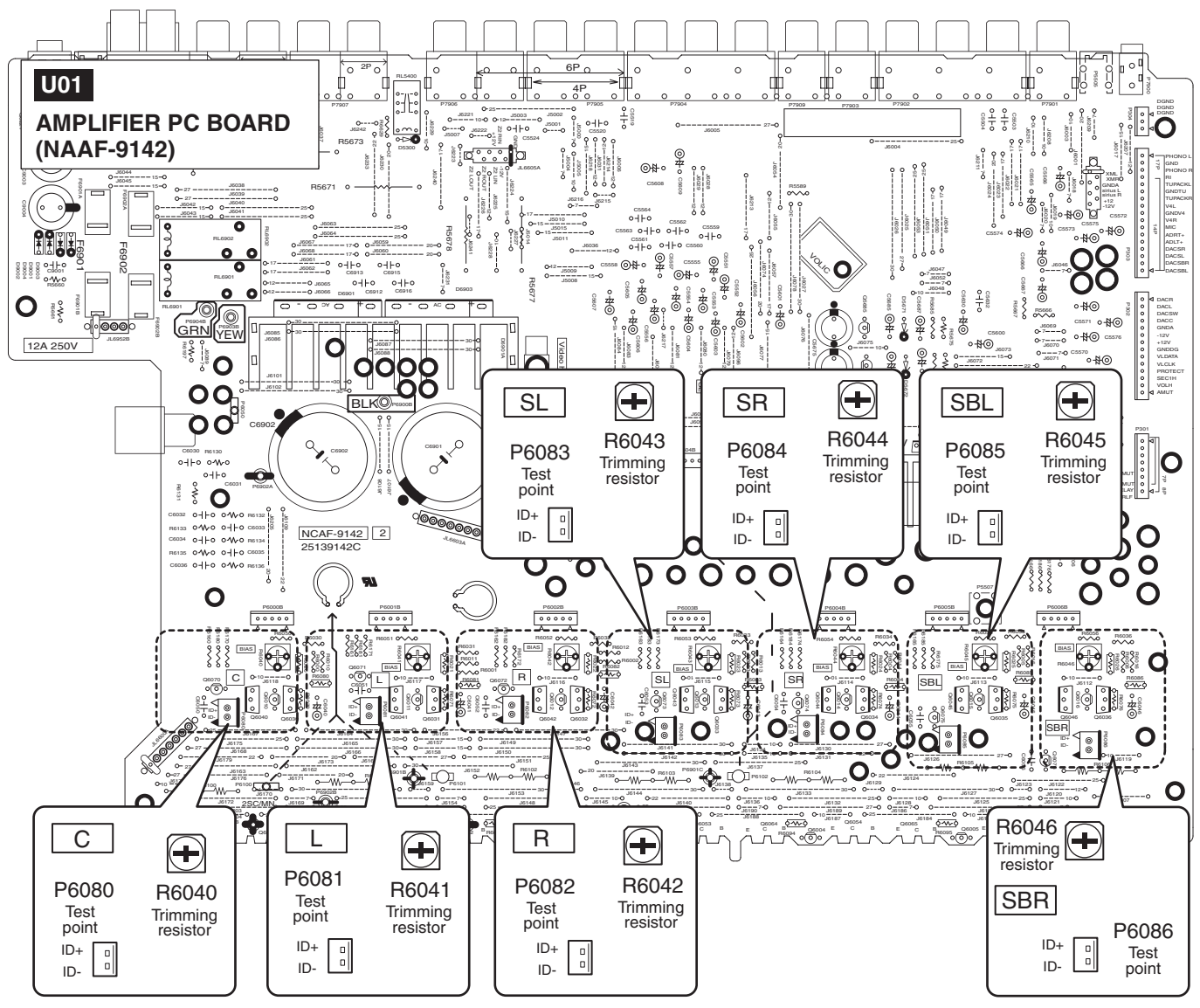
| Channel | Adjustment point | Measured value | Adjustment value | Specifications (* In a stable state) |
|--|----------------------------------|--------------------|--------------------|---|
| Front Left, Right and Center | R6041, R6042 and R6040 | In case below 9 mV | → 9 mV | 12 +/- 3 mV |
| | | In case 9 - 11 mV | → No re-adjustment | |
| | | In case over 11 mV | → 11 mV | |
| Surround Left Surround Right Surround Back Left Surround Back Right | R6043, R6044, R6045 and R6046 | In case below 6 mV | → 6 mV | 9 +/- 3 mV |
| | | In case 6 - 8 mV | → No re-adjustment | |
| | | In case over 8 mV | → 8 mV | |

8. Disconnect the dc voltmeter.
9. Press the STANDBY/ON button to turn the power off.
10. Disconnect the ac power cord of the unit.

* Idling currents are stabilized in about 10 minutes after power on.

ADJUSTMENT PROCEDURE-2 IDLING CURRENT ADJUSTMENT

<Fig-1>



ADJUSTMENT PROCEDURE-3

VIDEO PROCESSOR CALIBRATION

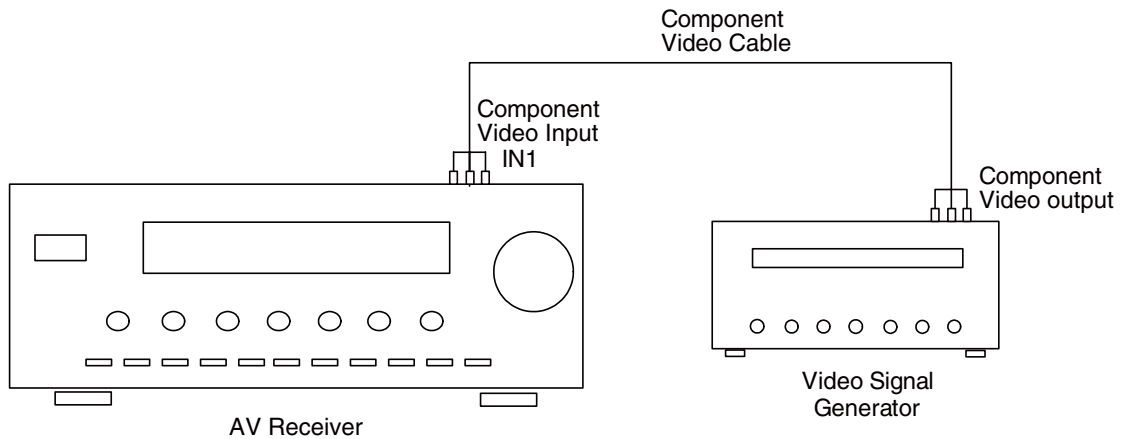
Video processor Q8001 must be calibrated before mounting on the unit.

[When]

1. Exchange Video processor IC (Q8001, FLI8125-LF-BC).
2. Exchange HDMI PC board ass'y (NAHDM-9107).

[Preparation]

1. Prepare a standard video signal generator(SG).
2. Set the SG to output 100% color bar of 8 colors and 480i at component video terminals.
3. Connect the unit(TX-SR705) and SG as shown in the figure.



[Procedure]

1. Press and hold down CD button, then press STANDBY/ON button.
" Test - _ " is displayed only for 5 seconds.
2. Press AUX button within 5 seconds above.
3. Press ENTER button.
4. Calibration of ADC part in FLI8125-LF-BC starts and proceeds.
5. The unit will be powered off automatically when succeeds.
6. If failed, " Calibration Error " will be displayed.
Check SG and signal, then return to Item 1.

<Note>

- 1.Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- 2.ICs marked by "NRP" are not replaceable because some pins on bottom are unable to see and touch.

NOTE : THE COMPONENTS IDENTIFIED BY THE MARK ! ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

<Notes>

- (B) : TX-SR705 Black model
(G) : TX-SR705 Golden model
(S) : TX-SR705 Silver model
<SA705> : TX-SA705 Golden model
<SR705> : TX-SR705 All model
- <DC> : TX-SR705 USA &Canadian model
<MP> : TX-SR705 European model
<MA> : TX-SR705 Australian model
<MO> : TX-SR705 Saudi model
<DT> : TX-SR705 Asian model for 120V
<MK> : TX-SR705 Korean model
<MQ> : TX-SR705 Hong kong model
<MT> : TX-SR705 Asian model for 220-240V
<SA705> : TX-SA705 Chinese model

EXPLODED VIEW PARTS LIST

| REF. NO. | PART NAME | DESCRIPTION | Q'TY | PART NO. (SN) | REMARKS |
|----------|------------|-----------------|------|---------------|-------------------------------------|
| A001 | CHASSIS | TX-SR705 | 1 | 27100501 | |
| A002 | F BRACKET | 605 BLACK | 1 | 27111488B | (B) |
| A002 | F BRACKET | 605 SILVER | 1 | 27111489B | (S) |
| A002 | F BRACKET | 605 GOLD | 1 | 27111490B | (G) |
| A002 | F BRACKET | 605 GOLD | 1 | 27111490B | <SA705> |
| A003 | HOLDER | (FAN) | 8 | 27191302 | |
| A004 | SCREW | 3TTB+8B(3CM)SR | 40 | 801637 | |
| A005 | B PLATE | . | 1 | 28133425 | (B) |
| A005 | B PLATE | . | 1 | 28133426 | (S) |
| A005 | B PLATE | . | 1 | 28133426 | (G) |
| A005 | B PLATE | . | 1 | 28133426 | <SA705> |
| A006 | F PANEL | TX-SR705(B)MDC | 1 | 27213040 | (B)<DC> |
| A006 | F PANEL | TX-SR705(S)MDC | 1 | 27213041 | (S)<DC> |
| A006 | F PANEL | TX-SR705(B)MMP | 1 | 27213042A | (B)<MP> |
| A006 | F PANEL | TX-SR705(S)MMP | 1 | 27213043A | (S)<MP> |
| A006 | F PANEL | TX-SR705(B) | 1 | 27213044 | (B)<MA, MO> |
| A006 | F PANEL | TX-SR705(S) | 1 | 27213045 | (S)<MA, MO> |
| A006 | F PANEL | TX-SR705(G) | 1 | 27213046 | (G)<DT, MK, MQ, MT> |
| A006 | F PANEL | TX-SA705(G) | 1 | 27213047 | <SA705> |
| A007 | BADGE | BADGE | 1 | 28135244 | (B) |
| A007 | BADGE | . | 1 | 28135298 | (S) |
| A007 | BADGE | BADGE | 1 | 28135245 | (G) |
| A007 | BADGE | BADGE | 1 | 28135245 | <SA705> |
| A008 | GUIDE | (VOL) MILKY | 1 | 27268210 | |
| A009 | CLEAR PLT | TX-SR705(B)MDC | 1 | 28192153 | (B)<DC> |
| A009 | CLEAR PLT | TX-SR705(S)MDC | 1 | 28192154 | (S)<DC> |
| A009 | CLEAR PLT | TX-SR705(B)MMP | 1 | 28192155 | (B)<MP, MA, MO> |
| A009 | CLEAR PLT | TX-SR705(S)MMP | 1 | 28192156 | (S)<MP, MA, MO> |
| A009 | CLEAR PLT | TX-SR705(S)MMP | 1 | 28192156 | (G)<DT, MK, MQ, MT> |
| A009 | CLEAR PLT | TX-SR705(S)MMP | 1 | 28192156 | <SA705> |
| A010 | KNOB | (PURE)AS BLACK | 1 | 28326582A | (B) |
| A010 | KNOB | (PURE)AS SILVER | 1 | 28326583A | (S) |
| A010 | KNOB | (PURE)AS GOLD | 1 | 28326584A | (G) |
| A010 | KNOB | (PURE)AS GOLD | 1 | 28326584A | <SA705> |
| A013 | REAR PANEL | TX-SR705MDC | 1 | 27123751 | <DC> |
| A013 | REAR PANEL | TX-SR705MMP | 1 | 27123752 | <MP> |
| A013 | REAR PANEL | TX-SR705MMT | 1 | 27123753 | <MO, MK, MQ, MT> |
| A013 | REAR PANEL | TX-SR705MDT | 1 | 27123754 | <DT> |
| A013 | REAR PANEL | TX-SR705MMA | 1 | 27123755 | <MA> |
| A013 | REAR PANEL | TX-SA705MMR | 1 | 27123756 | <SA705> |
| A015 | SCREW | 3TTB+8B(3BC) | 50 | 838430088GR | <DC> |
| A015 | SCREW | 3TTB+8B(3BC) | 48 | 838430088GR | <MP> |
| A015 | SCREW | 3TTB+8B(3BC) | 47 | 838430088GR | <DT, MA, MO, MK, MQ, MT> |
| A015 | SCREW | 3TTB+8B(3BC) | 45 | 838430088GR | <SA705> |
| A016 | WIRE TIE | BSK-1 | 13 | 260208 | |
| A019 | WASHER | W3*10F(3BC) | 1 | 87643010GR | |
| A020 | SCREW | 3P+6FN(3BC) | 1 | 82143006GR | <DC> |
| A020 | SCREW | 4TTB+8C(3BC) | 2 | 838440089GR | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| A021 | HOLDER | KGLS-22S | 1 | 27190369 | |
| A022 | BUSHING | S-RELIEF #2271 | 1 | 27300750 | !, <DC> |
| A023 | HOLDER | KGLS-16RT | 2 | 27190511 | |
| A024 | TAPE | TAPE(CLOTH-16U) | 1 | 29110083 | <DC> |
| A025 | HOLDER | KGPS-16RF | 4 | 27190991 | |
| A027 | HOLDER | KGLS-10RT | 1 | 27190428A | |
| A037 | SCREW | 4TTC+8C(3BC) | 4 | 830440089GR | |
| A039 | LABEL | (PT) | 1 | 29363379-1 | |
| A041 | HOLDER | HOLDER KGLS-8S | 1 | 27190480 | |
| A042 | BRACKET | (HDMI) | 1 | 27131033 | |
| A045 | HEAT SINK | . | 1 | 27160609A | |
| A047 | TAPE | TAPE(CLOTH-8U) | 1 | 29110082 | |
| A048 | TAPE | TAPE(CLOTH-16U) | 1 | 29110083 | |
| A049 | BRACKET | (HT-L) | 1 | 27131029 | |

| | | | | | |
|----------|------------|-------------------|-----|-------------|-------------------------------------|
| A051 | BRACKET | (HT-R) | 1 | 27131030 | |
| A059 | SCREW | 3SMS8W.SW+14B(CU) | 14 | 801634 | |
| A061 | IB CUSHION | W15*3t TAPE | 1 | 28141585 | |
| A063 | KNOB | (SETUP) BLACK | 1 | 28326517B | (B) |
| A063 | KNOB | (SETUP) SILVER | 1 | 28326518B | (S), (G), <SA705> |
| A065 | SPRING | . | 1 | 27180596 | |
| A073 | CUSHION | . | 1 | 28141688 | |
| A074 | CUSHION | . | 1 | 28141697 | |
| A075 | CUSHION | (BUTYL) | 1 | 28141748 | |
| A301 | COVER | (B) | 1 | 28184972 | (B) |
| A301 | COVER | (S) | 1 | 28184973 | (S) |
| A301 | COVER | (G) | 1 | 28184974 | (G), <SA705> |
| A302 | LABEL | (COVER) | 1 | 29364123 | |
| A303 | LABEL | HOOKUP-ONKYO | 1 | 29363194 | <DC> |
| A304 | SCREW | 3TTB+8B(3BC) | 6 | 838430088GR | (B) |
| A304 | SCREW | 3TTB+8B(3CM)SR | 6 | 801637 | (S), (G), <SA705> |
| A305 | CUSHION | . | 1 | 28141681 | |
| A306 | KNOB | (VOL)AS BLACK | 1 | 28326579 | (B) |
| A306 | KNOB | (VOL)AS SILVER | 1 | 28326580 | (S) |
| A306 | KNOB | (VOL)AS GOLD | 1 | 28326581 | (G), <SA705> |
| A307 | BOTTOM LEG | . | 4 | 27175432B | |
| A308 | CUSHION | . | 4 | 28141637 | |
| A309 | CUSHION | . | 4 | 28141700 | |
| A311 | SCREW | 3TTB+8B(3CM)SR | 4 | 801637 | |
| A313 | CUSHION | . | 3 | 28141749 | |
| F6901 | FUSE | 12A-TUL-250V | 1 | 252301GR | ! |
| F6902 | FUSE | 12A-TUL-250V | 1 | 252301GR | ! |
| F901 | FUSE | 10A-UL/T-233 | 1 | 252330GR | !, <DC, DT> |
| F901 or | FUSE | 10A-T/UL-ST2 | (1) | 252333GR | !, <DC, DT> |
| F901 | FUSE | 5A-SE-EAK FUSE | 1 | 252078GR | !, <MP, MA, MO, MK, MQ, MT, SA705> |
| F901 or | FUSE | 5A-SE-TL250V | (1) | 252278GR | !, <MP, MA, MO, MK, MQ, MT, SA705> |
| F903 | FUSE | 5A-UL/T-233 | 1 | 252326GR | !, <DC> |
| F903 or | FUSE | 5A-T/UL-ST2 | (1) | 252258GR | !, <DC> |
| F903 | FUSE | 2.5A-SE-EAK FUSE | 1 | 252075GR | !, <MP> |
| F903 or | FUSE | 2.5A-SE-TL250V | (1) | 252275GR | !, <MP> |
| F910 | FUSE | 5A-UL/T-233 | 1 | 252326GR | !, <DC, DT> |
| F910 or | FUSE | 5A-T/UL-ST2 | (1) | 252258GR | !, <DC, DT> |
| F910 | FUSE | 5A-SE-EAK FUSE | 1 | 252078GR | !, <MP, MA, MO, MK, MQ, MT, SA705> |
| F910 or | FUSE | 5A-SE-TL250V | (1) | 252278GR | !, <MP, MA, MO, MK, MQ, MT, SA705> |
| P101 | FFC | NCFC7-131112 | 1 | 2047131112 | <SR705> |
| P4008 | FFC | NCFC7-232512 | 1 | 2047232512 | |
| P6601A | P RIVET | JB-407A-C | 6 | 880052 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| P6602A | P RIVET | JB-407A-C | 8 | 880052 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| P6607A | P RIVET | JB-407A-C | 4 | 880052 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| P691 | FAN | DO5X-12T | 1 | 24502321 | |
| P692 | FAN | DO5X-12T | 1 | 24502321 | |
| P701 | FFC | NCFC3-36023 | 1 | 204336023 | |
| P901 | AC CORD | AS-UC-2 | 1 | 253368BLTK | !, <DC> |
| P901 or | AC CORD | AS-UC-2 | (1) | 253333VOL | !, <DC> |
| P901 or | AC CORD | AS-UC-2 | (1) | 253368AYUN | !, <DC> |
| Q6050 | TR | 2SC5242-R | 1 | 2202842 | |
| Q6050 or | TR | 2SC5242-O | (1) | 2202843 | |
| Q6050 or | TR | MN150S-O | (1) | 2203683 | |
| Q6050 or | TR | MN150S-P | (1) | 2203686 | |
| Q6050 or | TR | MN150S-Y | (1) | 2203684 | |
| Q6050A | ISO SHEET | AC238 | 2 | 223024 | |
| Q6050B | ISO SHEET | ISO SHEET | 6 | 223041 | |
| Q6051 | TR | 2SC5242-R | 1 | 2202842 | |
| Q6051 or | TR | 2SC5242-O | (1) | 2202843 | |
| Q6051 or | TR | MN150S-O | (1) | 2203683 | |
| Q6051 or | TR | MN150S-P | (1) | 2203686 | |
| Q6051 or | TR | MN150S-Y | (1) | 2203684 | |
| Q6052 | TR | 2SC5242-R | 1 | 2202842 | |
| Q6052 or | TR | 2SC5242-O | (1) | 2202843 | |
| Q6052 or | TR | MN150S-O | (1) | 2203683 | |
| Q6052 or | TR | MN150S-P | (1) | 2203686 | |
| Q6052 or | TR | MN150S-Y | (1) | 2203684 | |
| Q6053 | TR | 2SC5242-R | 1 | 2202842 | |
| Q6053 or | TR | 2SC5242-O | (1) | 2202843 | |
| Q6053 or | TR | MN150S-O | (1) | 2203683 | |
| Q6053 or | TR | MN150S-P | (1) | 2203686 | |
| Q6053 or | TR | MN150S-Y | (1) | 2203684 | |
| Q6054 | TR | 2SC5242-R | 1 | 2202842 | |
| Q6054 or | TR | 2SC5242-O | (1) | 2202843 | |
| Q6054 or | TR | MN150S-O | (1) | 2203683 | |
| Q6054 or | TR | MN150S-P | (1) | 2203686 | |
| Q6054 or | TR | MN150S-Y | (1) | 2203684 | |
| Q6055 | TR | 2SC5242-R | 1 | 2202842 | |
| Q6055 or | TR | 2SC5242-O | (1) | 2202843 | |
| Q6055 or | TR | MN150S-O | (1) | 2203683 | |
| Q6055 or | TR | MN150S-P | (1) | 2203686 | |
| Q6055 or | TR | MN150S-Y | (1) | 2203684 | |
| Q6056 | TR | 2SC5242-R | 1 | 2202842 | |
| Q6056 or | TR | 2SC5242-O | (1) | 2202843 | |
| Q6056 or | TR | MN150S-O | (1) | 2203683 | |
| Q6056 or | TR | MN150S-P | (1) | 2203686 | |
| Q6056 or | TR | MN150S-Y | (1) | 2203684 | |
| Q6060 | TR | 2SA1962-R | 1 | 2202832 | |
| Q6060 or | TR | 2SA1962-O | (1) | 2202833 | |

| | | | | |
|----------|----|-----------|-----|---------|
| Q6060 or | TR | MP150S-O | (1) | 2203693 |
| Q6060 or | TR | MP150S-P | (1) | 2203696 |
| Q6060 or | TR | MP150S-Y | (1) | 2203694 |
| Q6061 | TR | 2SA1962-R | 1 | 2202832 |
| Q6061 or | TR | 2SA1962-O | (1) | 2202833 |
| Q6061 or | TR | MP150S-O | (1) | 2203693 |
| Q6061 or | TR | MP150S-P | (1) | 2203696 |
| Q6061 or | TR | MP150S-Y | (1) | 2203694 |
| Q6062 | TR | 2SA1962-R | 1 | 2202832 |
| Q6062 or | TR | 2SA1962-O | (1) | 2202833 |
| Q6062 or | TR | MP150S-O | (1) | 2203693 |
| Q6062 or | TR | MP150S-P | (1) | 2203696 |
| Q6062 or | TR | MP150S-Y | (1) | 2203694 |
| Q6063 | TR | 2SA1962-R | 1 | 2202832 |
| Q6063 or | TR | 2SA1962-O | (1) | 2202833 |
| Q6063 or | TR | MP150S-O | (1) | 2203693 |
| Q6063 or | TR | MP150S-P | (1) | 2203696 |
| Q6063 or | TR | MP150S-Y | (1) | 2203694 |
| Q6064 | TR | 2SA1962-R | 1 | 2202832 |
| Q6064 or | TR | 2SA1962-O | (1) | 2202833 |
| Q6064 or | TR | MP150S-O | (1) | 2203693 |
| Q6064 or | TR | MP150S-P | (1) | 2203696 |
| Q6064 or | TR | MP150S-Y | (1) | 2203694 |
| Q6065 | TR | 2SA1962-R | 1 | 2202832 |
| Q6065 or | TR | 2SA1962-O | (1) | 2202833 |
| Q6065 or | TR | MP150S-O | (1) | 2203693 |
| Q6065 or | TR | MP150S-P | (1) | 2203696 |
| Q6065 or | TR | MP150S-Y | (1) | 2203694 |
| Q6066 | TR | 2SA1962-R | 1 | 2202832 |
| Q6066 or | TR | 2SA1962-O | (1) | 2202833 |
| Q6066 or | TR | MP150S-O | (1) | 2203693 |
| Q6066 or | TR | MP150S-P | (1) | 2203696 |
| Q6066 or | TR | MP150S-Y | (1) | 2203694 |

<Notes>

When replacing the following the transistors, use one of the same Hfe rank as the original type.

Ref. No. : Q6050 - 6060, Q6051 - 6061, Q6052 - 6062, Q6053 - 6063, Q6054 - 6064, Q6055 - 6065, Q6056 - 6066

| | | | | | |
|------|-------------------------------|---------------|---|-------------|------------------------------------|
| T901 | P TRANS | NPT-1563D | 1 | 2301920 | !, <DC, DT> |
| T901 | P TRANS | NPT-1563M | 1 | 2301921 | !, <MP, MA, MO, MK, MQ, MT, SA705> |
| U01 | AMPLIFIER PC board ass'y | NAAF-9142-2A | 1 | 1B187542-2A | <DC> |
| | | NAAF-9142-2B | 1 | 1B187542-2B | <MP, MA, MO, MK, MQ, MT> |
| | | NAAF-9142-2C | 1 | 1B187542-2C | <DT> |
| | | NAAF-9142-2D | 1 | 1B187542-2D | <SA705> |
| U02 | POWER SUPPLY PC board ass'y | NAPS-9143-2A | 1 | 1B187543-2A | <DC> |
| | | NAPS-9143-2B | 1 | 1B187543-2B | <MP, MA, MO, MK, MQ, MT> |
| | | NAPS-9143-2C | 1 | 1B187543-2C | <DT> |
| | | NAPS-9143-2D | 1 | 1B187543-2D | <SA705> |
| U03 | THERMAL SENSOR PC board ass'y | NAETC-9144-2A | 1 | 1B187544-2A | <DC> |
| | | NAETC-9144-2B | 1 | 1B187544-2B | <MP, MA, MO, MK, MQ, MT> |
| | | NAETC-9144-2C | 1 | 1B187544-2C | <DT> |
| | | NAETC-9144-2D | 1 | 1B187544-2D | <SA705> |
| U04 | HOLDER PC board ass'y | NAETC-9145-2A | 1 | 1B187545-2A | <DC> |
| | | NAETC-9145-2B | 1 | 1B187545-2B | <MP, MA, MO, MK, MQ, MT> |
| | | NAETC-9145-2C | 1 | 1B187545-2C | <DT> |
| | | NAETC-9145-2D | 1 | 1B187545-2D | <SA705> |
| U05 | RS232 PC board ass'y | NAETC-9147-2A | 1 | 1B187547-2A | <DC> |
| | | NAETC-9147-2B | 1 | 1B187547-2B | <MP, MA, MO, MK, MQ, MT> |
| | | NAETC-9147-2C | 1 | 1B187547-2C | <DT> |
| | | NAETC-9147-2D | 1 | 1B187547-2D | <SA705> |
| U06 | DISPLAY PC board ass'y | NADIS-9148-2A | 1 | 1B187548-2A | <DC> |
| | | NADIS-9148-2B | 1 | 1B187548-2B | <MP> |
| | | NADIS-9148-2C | 1 | 1B187548-2C | <MA, MO, MK, MQ, MT, SA705> |
| | | NADIS-9148-2F | 1 | 1B187548-2F | <DT> |
| U07 | DISPLAY PC board ass'y | NADIS-9149-2A | 1 | 1B187549-2A | <DC> |
| | | NADIS-9149-2B | 1 | 1B187549-2B | <MP> |
| | | NADIS-9149-2C | 1 | 1B187549-2C | <MA, MO, MK, MQ, MT, SA705> |
| | | NADIS-9149-2F | 1 | 1B187549-2F | <DT> |
| U08 | POWER SUPPLY PC board ass'y | NAPS-9150-2A | 1 | 1B187550-2A | <DC> |
| | | NAPS-9150-2B | 1 | 1B187550-2B | <MP> |
| | | NAPS-9150-2C | 1 | 1B187550-2C | <MA, MO, MK, MQ, MT, SA705> |
| | | NAPS-9150-2F | 1 | 1B187550-2F | <DT> |
| U09 | POWER SUPPLY PC board ass'y | NAPS-9151-2A | 1 | 1B187551-2A | <DC> |
| | | NAPS-9151-2B | 1 | 1B187551-2B | <MP> |
| | | NAPS-9151-2C | 1 | 1B187551-2C | <MA, MO, MK, MQ, MT, SA705> |
| | | NAPS-9151-2F | 1 | 1B187551-2F | <DT> |
| U10 | FRONT OPT PC board ass'y | NAETC-9152-2A | 1 | 1B187552-2A | <DC> |
| | | NAETC-9152-2B | 1 | 1B187552-2B | <MP> |
| | | NAETC-9152-2C | 1 | 1B187552-2C | <MA, MO, MK, MQ, MT, SA705> |
| | | NAETC-9152-2F | 1 | 1B187552-2F | <DT> |
| U11 | HEADPHONE JACK PC board ass'y | NAETC-9153-2A | 1 | 1B187553-2A | <DC> |
| | | NAETC-9153-2B | 1 | 1B187553-2B | <MP> |
| | | NAETC-9153-2C | 1 | 1B187553-2C | <MA, MO, MK, MQ, MT, SA705> |
| | | NAETC-9153-2F | 1 | 1B187553-2F | <DT> |
| U12 | INLET PC board ass'y | NAETC-9155-2B | 1 | 1B187555-2B | <MP> |
| | | NAETC-9155-2C | 1 | 1B187555-2C | <MA, MO, MK, MQ, MT, SA705> |
| | | NAETC-9155-2F | 1 | 1B187555-2F | <DT> |
| U13 | HOLDER PC board ass'y | NAETC-9158-2A | 1 | 1B187558-2A | <DC> |
| | | NAETC-9158-2B | 1 | 1B187558-2B | <MP> |
| | | NAETC-9158-2C | 1 | 1B187558-2C | <MA, MO, MK, MQ, MT, SA705> |
| | | NAETC-9158-2F | 1 | 1B187558-2F | <DT> |

| | | | | | |
|---------|---------------------------------------|---------------|-----|-------------|-----------------------------|
| U14 | HOLDER PC board ass'y | NAETC-9159-2A | 1 | 1B187559-2A | <DC> |
| | | NAETC-9159-2B | 1 | 1B187559-2B | <MP> |
| | | NAETC-9159-2C | 1 | 1B187559-2C | <MA, MO, MK, MQ, MT, SA705> |
| | | NAETC-9159-2F | 1 | 1B187559-2F | <DT> |
| U15 | HOLDER PC board ass'y | NAETC-9160-2A | 1 | 1B187560-2A | <DC> |
| | | NAETC-9160-2B | 1 | 1B187560-2B | <MP> |
| | | NAETC-9160-2C | 1 | 1B187560-2C | <MA, MO, MK, MQ, MT, SA705> |
| | | NAETC-9160-2F | 1 | 1B187560-2F | <DT> |
| U16 | DISPLAY PC board ass'y | NAETC-9161-2A | 1 | 1B187561-2A | <DC> |
| | | NAETC-9161-2B | 1 | 1B187561-2B | <MP> |
| | | NAETC-9161-2C | 1 | 1B187561-2C | <MA, MO, MK, MQ, MT, SA705> |
| | | NAETC-9161-2F | 1 | 1B187561-2F | <DT> |
| U17 | DAC AND MICROPROCESSOR PC board ass'y | NADG-9269-1A | 1 | 1B187569-1A | <DC> |
| | | NADG-9269-1B | 1 | 1B187569-1B | <MP> |
| | | NADG-9269-1C | 1 | 1B187569-1C | <DT, MA, MO, MK, MQ, MT> |
| | | NADG-9269-1D | 1 | 1B187569-1D | <SA705> |
| U18 | VIDEO AND SP TERMINAL PC board ass'y | NAVD-9270-1A | 1 | 1B187570-1A | <DC> |
| | | NAVD-9270-1B | 1 | 1B187570-1B | <MP> |
| | | NAVD-9270-1C | 1 | 1B187570-1C | <DT, MA, MO, MK, MQ, MT> |
| | | NAVD-9270-1D | 1 | 1B187570-1D | <SA705> |
| U20 | XM PC board ass'y | NARF-9267-1A | 1 | 1B187567-1A | <DC> |
| U22 | DRIVER AMPLIFIER PC board ass'y | NAAF-8917-3A | 1 | 1B187517-3A | |
| U23 | SPEAKER TERMINAL PC board ass'y | NAETC-8918-3A | 1 | 1B187518-3A | |
| U24 | DSP AND HDMI PC board ass'y | NAHDM-9265-1A | 1 | 1B187565-1A | |
| U011 | TUNER UNIT | FAE385-A11US | 1 | 240152 | <DC> |
| U011 or | TUNER UNIT | ENG06507QFUS | (1) | 240156 | <DC> |
| U011 | TUNER UNIT | ENG07505QFEU | 1 | 240158 | <MP> |
| U011 or | TUNER UNIT | FAE485-E11EU | (1) | 240154 | <MP> |
| U011 | TUNER UNIT | ENG07506QFEX | 1 | 240159 | <MA, MO, DT, MK, MQ, MT> |
| U011 or | TUNER UNIT | FAE485-E12EX | (1) | 240155 | <MA, MO, DT, MK, MQ, MT> |

TX-SR705/SA705

PC BOARD PARTS LIST

| | |
|-----|---|
| U01 | AMPLIFIER PC BOARD(NAAF-9142-1A/1B/1C/1D) |
| U02 | POWER SUPPLY PC BOARD(NAPS-9143-1A/1B/1C/1D) |
| U03 | THERMAL SENSOR PC BOARD(NAETC-9144-1A/1B/1C/1D) |
| U04 | HOLDER PC BOARD(NAETC-9145-1A/1B/1C/1D) |
| U05 | RS232 PC BOARD(NAETC-9147-1A/1B/1C/1D) |

| CIRCUIT NO. | PART NAME | DESCRIPTION | Q'TY | PART NO. (SN) | REMARKS |
|-------------|-----------|---------------------|------|---------------|---------|
| Q5501 | IC | R2S15211FP | 1 | 22242297R3 | |
| Q5600 | TR | RN1441 | 1 | 2215410R2 | |
| Q5601 | TR | RN1441 | 1 | 2215410R2 | |
| Q5602 | TR | RN1441 | 1 | 2215410R2 | |
| Q5603 | TR | RN1441 | 1 | 2215410R2 | |
| Q5604 | TR | RN1441 | 1 | 2215410R2 | |
| Q5605 | TR | RN1441 | 1 | 2215410R2 | |
| Q5606 | TR | RN1441 | 1 | 2215410R2 | |
| Q5607 | TR | RN1441 | 1 | 2215410R2 | |
| Q5610 | TR | RN1441 | 1 | 2215410R2 | |
| Q5611 | TR | RN1441 | 1 | 2215410R2 | |
| Q5612 | TR | RN1441 | 1 | 2215410R2 | |
| Q5613 | TR | RN1441 | 1 | 2215410R2 | |
| Q5614 | TR | RN1441 | 1 | 2215410R2 | |
| Q5615 | TR | RN1441 | 1 | 2215410R2 | |
| Q5616 | TR | RN1441 | 1 | 2215410R2 | |
| Q5617 | TR | RN1441 | 1 | 2215410R2 | |
| Q5630 | IC | NJM4580M-D | 1 | 22241448R2 | |
| Q5670 | IC | 78M12HF(NJM78M12FA) | 1 | 222780125JRC | |
| Q5670 or | IC | MPC78M12AHF-AZ | (1) | 222780125NEC | |
| Q5670 or | IC | 78M12(AN78M12F) | (1) | 222780125MAT | |
| Q5670A | HEAT SINK | RAD-196 | 1 | 27160545 | |
| Q5670B | SCREW | 3P+10FN(3BC) | 1 | 82143010GR | |
| Q5670C | TAPE | TAPE(CLOTH-8U) | 1 | 29110082 | |
| Q5671 | IC | 79M12HF(NJM79M12FA) | 1 | 222790125JRC | |
| Q5671 or | IC | 79M12HF(MPC79M12HF) | (1) | 222790125NEC | |
| Q5671 or | IC | 79M12F(AN79M12F) | (1) | 222790125MAT | |
| Q5671B | SCREW | 3P+10FN(3BC) | 1 | 82143010GR | |
| Q5684 | TR | 2SC1815-GR | 1 | 2211255T | |
| Q5685 | TR | 2SA1015-GR | 1 | 2211455T | |
| Q5700 | TR | RN1402 | 1 | 2214470R2 | |
| Q5701 | TR | RN1402 | 1 | 2214470R2 | |
| Q5901 | IC | NJM4580M-D | 1 | 22241448R2 | |
| Q5903 | TR | RN1441 | 1 | 2215410R2 | |
| Q5904 | TR | RN1441 | 1 | 2215410R2 | |
| Q5905 | TR | RN1441 | 1 | 2215410R2 | |
| Q5906 | TR | RN1441 | 1 | 2215410R2 | |
| Q6000 | TR | 2SC1740S-S | 1 | 2213285T | |
| Q6001 | TR | 2SC1740S-S | 1 | 2213285T | |
| Q6002 | TR | 2SC1740S-S | 1 | 2213285T | |
| Q6003 | TR | 2SC1740S-S | 1 | 2213285T | |
| Q6004 | TR | 2SC1740S-S | 1 | 2213285T | |
| Q6005 | TR | 2SC1740S-S | 1 | 2213285T | |
| Q6006 | TR | 2SC1740S-S | 1 | 2213285T | |
| Q6010 | TR | 2SC1740S-S | 1 | 2213285T | |
| Q6011 | TR | 2SC1740S-S | 1 | 2213285T | |
| Q6012 | TR | 2SC1740S-S | 1 | 2213285T | |

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|----------|----------|---------------------|-----|------------|
| Q6013 | TR | 2SC1740S-S | 1 | 2213285T |
| Q6014 | TR | 2SC1740S-S | 1 | 2213285T |
| Q6015 | TR | 2SC1740S-S | 1 | 2213285T |
| Q6016 | TR | 2SC1740S-S | 1 | 2213285T |
| Q6030 | TR | 2SC5171(ONK_Q) | 1 | 2203010 |
| Q6030 or | TR | 2SC5993-Q_P | (1) | 2217161 |
| Q6031 | TR | 2SC5171(ONK_Q) | 1 | 2203010 |
| Q6031 or | TR | 2SC5993-Q_P | (1) | 2217161 |
| Q6032 | TR | 2SC5171(ONK_Q) | 1 | 2203010 |
| Q6032 or | TR | 2SC5993-Q_P | (1) | 2217161 |
| Q6033 | TR | 2SC5171(ONK_Q) | 1 | 2203010 |
| Q6033 or | TR | 2SC5993-Q_P | (1) | 2217161 |
| Q6034 | TR | 2SC5171(ONK_Q) | 1 | 2203010 |
| Q6034 or | TR | 2SC5993-Q_P | (1) | 2217161 |
| Q6035 | TR | 2SC5171(ONK_Q) | 1 | 2203010 |
| Q6035 or | TR | 2SC5993-Q_P | (1) | 2217161 |
| Q6036 | TR | 2SC5171(ONK_Q) | 1 | 2203010 |
| Q6036 or | TR | 2SC5993-Q_P | (1) | 2217161 |
| Q6040 | TR | 2SA1930(ONK_Q) | 1 | 2203000 |
| Q6040 or | TR | 2SA2140-Q_P | (1) | 2217151 |
| Q6041 | TR | 2SA1930(ONK_Q) | 1 | 2203000 |
| Q6041 or | TR | 2SA2140-Q_P | (1) | 2217151 |
| Q6042 | TR | 2SA1930(ONK_Q) | 1 | 2203000 |
| Q6042 or | TR | 2SA2140-Q_P | (1) | 2217151 |
| Q6043 | TR | 2SA1930(ONK_Q) | 1 | 2203000 |
| Q6043 or | TR | 2SA2140-Q_P | (1) | 2217151 |
| Q6044 | TR | 2SA1930(ONK_Q) | 1 | 2203000 |
| Q6044 or | TR | 2SA2140-Q_P | (1) | 2217151 |
| Q6045 | TR | 2SA1930(ONK_Q) | 1 | 2203000 |
| Q6045 or | TR | 2SA2140-Q_P | (1) | 2217151 |
| Q6046 | TR | 2SA1930(ONK_Q) | 1 | 2203000 |
| Q6046 or | TR | 2SA2140-Q_P | (1) | 2217151 |
| Q6070 | TR | 2SC2229-Y(TPE6_F) | 1 | 2211634T |
| Q6070 or | TR | 2SC2229-O(TPE6_F) | (1) | 2211633T |
| Q6071 | TR | 2SC2229-Y(TPE6_F) | 1 | 2211634T |
| Q6071 or | TR | 2SC2229-O(TPE6_F) | (1) | 2211633T |
| Q6072 | TR | 2SC2229-Y(TPE6_F) | 1 | 2211634T |
| Q6072 or | TR | 2SC2229-O(TPE6_F) | (1) | 2211633T |
| Q6073 | TR | 2SC2229-Y(TPE6_F) | 1 | 2211634T |
| Q6073 or | TR | 2SC2229-O(TPE6_F) | (1) | 2211633T |
| Q6074 | TR | 2SC2229-Y(TPE6_F) | 1 | 2211634T |
| Q6074 or | TR | 2SC2229-O(TPE6_F) | (1) | 2211633T |
| Q6075 | TR | 2SC2229-Y(TPE6_F) | 1 | 2211634T |
| Q6075 or | TR | 2SC2229-O(TPE6_F) | (1) | 2211633T |
| Q6076 | TR | 2SC2229-Y(TPE6_F) | 1 | 2211634T |
| Q6076 or | TR | 2SC2229-O(TPE6_F) | (1) | 2211633T |
| Q6221 | PHT CP | PC817X | 1 | 24120080 |
| Q6222 | TR | RN1402 | 1 | 2214470R2 |
| Q6223 | TR | RN1402 | 1 | 2214470R2 |
| Q6226 | TR | 2SB1068-U-AZ | 1 | 2212855T |
| Q6226 or | TR | 2SB1068-K-AZ | (1) | 2212853T |
| Q6227 | TR | RN1402 | 1 | 2214470R2 |
| Q6311 | IC | ICL3221ECVZ | 1 | 22242268R2 |
| Q6380 | IC | LM61CIZ | 1 | 22242212 |
| Q6380A | RETAINER | (PTH) | 1 | 27141884-1 |
| Q6701 | TR | 2SC2712-GR | 1 | 2213145R2 |
| Q6701 or | TR | KTC3875-GR | (1) | 2216175R2 |
| Q6702 | TR | 2SC2712-GR | 1 | 2213145R2 |
| Q6702 or | TR | KTC3875-GR | (1) | 2216175R2 |
| Q6703 | TR | 2SA1163-BL(TE85L_F) | 1 | 2216756R2 |
| Q6707 | TR | 2SC2712-GR | 1 | 2213145R2 |
| Q6707 or | TR | KTC3875-GR | (1) | 2216175R2 |
| D5671 | ZENER D | DZ-7.5BSC | 1 | 224850753T |
| D5671 or | ZENER D | MTZJ7.5C | (1) | 224470753T |
| D5672 | ZENER D | DZ-7.5BSC | 1 | 224850753T |
| D5672 or | ZENER D | MTZJ7.5C | (1) | 224470753T |
| D5700 | DIODE | 1SS133 | 1 | 223163T |
| D5701 | DIODE | 1SS133 | 1 | 223163T |
| D5707 | C-DIODE | 1SS352 | 1 | 223234R2 |
| D5707 or | C-DIODE | KDS4148U | (1) | 223283R2 |
| D5707 or | C-DIODE | 1SS355 | (1) | 223269R2 |
| D5708 | C-DIODE | 1SS352 | 1 | 223234R2 |
| D5708 or | C-DIODE | KDS4148U | (1) | 223283R2 |
| D5708 or | C-DIODE | 1SS355 | (1) | 223269R2 |
| D5717 | C-DIODE | 1SS352 | 1 | 223234R2 |
| D5717 or | C-DIODE | KDS4148U | (1) | 223283R2 |
| D5717 or | C-DIODE | 1SS355 | (1) | 223269R2 |
| D5718 | C-DIODE | 1SS352 | 1 | 223234R2 |
| D5718 or | C-DIODE | KDS4148U | (1) | 223283R2 |
| D5718 or | C-DIODE | 1SS355 | (1) | 223269R2 |
| D5901 | C-DIODE | 1SS352 | 1 | 223234R2 |
| D5901 or | C-DIODE | KDS4148U | (1) | 223283R2 |
| D5901 or | C-DIODE | 1SS355 | (1) | 223269R2 |
| D5902 | C-DIODE | 1SS352 | 1 | 223234R2 |
| D5902 or | C-DIODE | KDS4148U | (1) | 223283R2 |
| D5902 or | C-DIODE | 1SS355 | (1) | 223269R2 |
| D6000 | C-DIODE | 1SS352 | 1 | 223234R2 |
| D6000 or | C-DIODE | KDS4148U | (1) | 223283R2 |
| D6000 or | C-DIODE | 1SS355 | (1) | 223269R2 |

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|----------|------------|-----------------|-----|--------------|---------|
| D6001 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6001 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6001 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6002 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6002 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6002 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6003 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6003 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6003 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6004 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6004 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6004 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6005 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6005 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6005 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6006 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6006 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6006 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6010 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6010 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6010 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6011 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6011 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6011 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6012 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6012 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6012 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6013 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6013 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6013 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6014 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6014 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6014 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6015 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6015 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6015 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6016 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6016 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6016 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6221 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6221 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6221 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6222 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6222 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6222 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6701 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6701 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6701 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6702 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6702 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6702 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6703 | ZENER D | UDZS3.6B | 1 | 224550360R2 | |
| D6704 | ZENER D | UDZS3.6B | 1 | 224550360R2 | |
| D6901 | DIODE | D10XB60H | 1 | 22380337 | |
| D6901A | HEAT SINK | RAD-196 | 1 | 27160545 | |
| D6901B | TAPE | TAPE(CLOTH-8U) | 1 | 29110082 | |
| D6901C | SCREW | 3P+10FN(3BC) | 2 | 82143010GR | |
| D6902 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D6902 or | C-DIODE | KDS4148U | (1) | 223283R2 | |
| D6902 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D6903 | DIODE | D10XB60H | 1 | 22380337 | |
| D9001 | DIODE | RL1N4003 | 1 | 22380260T | |
| D9001 or | DIODE | GP104003E | (1) | 22380035T | |
| D9002 | DIODE | RL1N4003 | 1 | 22380260T | |
| D9002 or | DIODE | GP104003E | (1) | 22380035T | |
| D9003 | DIODE | RL1N4003 | 1 | 22380260T | |
| D9003 or | DIODE | GP104003E | (1) | 22380035T | |
| D9004 | DIODE | RL1N4003 | 1 | 22380260T | |
| D9004 or | DIODE | GP104003E | (1) | 22380035T | |
| L6001 | CHOKE COIL | LBC2518T2R2M | 1 | 231364M022R2 | |
| C5501 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | <SA705> |
| C5502 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | <SA705> |
| C5503 | TF C | ECQ-B50V-221K | 1 | 374722215T | |
| C5504 | TF C | ECQ-B50V-221K | 1 | 374722215T | |
| C5507 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C5508 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C5509 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C5510 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C5513 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C5514 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C5517 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C5518 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C5519 | TF C | ECQ-B50V-221K | 1 | 374722215T | |
| C5520 | TF C | ECQ-B50V-221K | 1 | 374722215T | |
| C5521 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C5522 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C5523 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C5524 | TF C | ECQ-B50V-221K | 1 | 374722215T | |
| C5525 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |

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|-------|----------|---------------------|---|-------------|
| C5526 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5527 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5528 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5529 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5530 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5531 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5532 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5533 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5534 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5551 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C5552 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C5553 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C5554 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C5555 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C5556 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C5557 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C5558 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C5559 | TF C | ECQ-V50V-47J | 1 | 374724744T |
| C5560 | TF C | ECQ-V50V-823J | 1 | 374728234T |
| C5561 | TF C | ECQ-B50V-223J | 1 | 374722234T |
| C5562 | TF C | ECQ-V50V-47J | 1 | 374724744T |
| C5563 | TF C | ECQ-V50V-823J | 1 | 374728234T |
| C5564 | TF C | ECQ-B50V-223J | 1 | 374722234T |
| C5565 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C5566 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C5569 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5570 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5571 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5572 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5573 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5574 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5575 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5576 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5600 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5601 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5602 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5603 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5604 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5605 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5606 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5607 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5608 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5609 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5630 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5631 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5632 | TF C | ECQ-B50V-103J | 1 | 374721034T |
| C5666 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5667 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5670 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C5671 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C5672 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5673 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5674 | UTSP C | CE04W16V-470M(UTSP) | 1 | 397544717T |
| C5675 | UTSP C | CE04W16V-470M(UTSP) | 1 | 397544717T |
| C5684 | UTSP C | CE04W10V-220M(UTSP) | 1 | 397532217T |
| C5685 | UTSP C | CE04W10V-220M(UTSP) | 1 | 397532217T |
| C5686 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5687 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5700 | C-CERA C | CK725F1H-103Z1 | 1 | 332151030R1 |
| C5701 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 |
| C5702 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 |
| C5703 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 |
| C5704 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 |
| C5705 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 |
| C5706 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 |
| C5707 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5708 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5711 | C-CERA C | CK725F1H-103Z1 | 1 | 332151030R1 |
| C5901 | UTSP C | CE04W25V-100M(UTSP) | 1 | 397551017T |
| C5902 | UTSP C | CE04W25V-100M(UTSP) | 1 | 397551017T |
| C5905 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5906 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T |
| C5907 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5908 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C5909 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 |
| C6001 | C-CERA C | CK725B1H-223K1 | 1 | 332102235R1 |
| C6002 | UTSP C | CE04W50V-1M(UTSP) | 1 | 397580107T |
| C6003 | UTSP C | CE04W50V-1M(UTSP) | 1 | 397580107T |
| C6004 | UTSP C | CE04W25V-100M(UTSP) | 1 | 397551017T |
| C6005 | C-CERA C | CK725B1H-223K1 | 1 | 332102235R1 |
| C6006 | UTSP C | CE04W50V-1M(UTSP) | 1 | 397580107T |
| C6007 | UTSP C | CE04W50V-1M(UTSP) | 1 | 397580107T |
| C6030 | TF C | ECQ-V50V-473J | 1 | 374724734T |
| C6031 | TF C | ECQ-V50V-473J | 1 | 374724734T |
| C6032 | TF C | ECQ-V50V-473J | 1 | 374724734T |
| C6033 | TF C | ECQ-V50V-473J | 1 | 374724734T |
| C6034 | TF C | ECQ-V50V-473J | 1 | 374724734T |
| C6035 | TF C | ECQ-V50V-473J | 1 | 374724734T |
| C6036 | TF C | ECQ-V50V-473J | 1 | 374724734T |

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|-------|------------|----------------------|---|-------------|-------------------------------------|
| C6040 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T | |
| C6041 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T | |
| C6042 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T | |
| C6043 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T | |
| C6044 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T | |
| C6045 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T | |
| C6046 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T | |
| C6050 | TF C | ECQ-B50V-103J | 1 | 374721034T | |
| C6051 | TF C | ECQ-B50V-103J | 1 | 374721034T | |
| C6052 | TF C | ECQ-B50V-103J | 1 | 374721034T | |
| C6053 | TF C | ECQ-B50V-103J | 1 | 374721034T | |
| C6054 | TF C | ECQ-B50V-103J | 1 | 374721034T | |
| C6055 | TF C | ECQ-B50V-103J | 1 | 374721034T | |
| C6056 | TF C | ECQ-B50V-103J | 1 | 374721034T | |
| C6221 | C-CERA C | CK725B1H-223K1 | 1 | 332102235R1 | |
| C6222 | UTSP C | CE04W25V-100M(UTSP) | 1 | 397551017T | |
| C6226 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C6229 | C-CERA C | CK725B1H-103K1 | 1 | 332101035R1 | |
| C6230 | C-CERA C | CC725CH1H-471J1 | 1 | 342104714R1 | |
| C6701 | UTSP C | CE04W25V-100M(UTSP) | 1 | 397551017T | |
| C6703 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C6704 | UTSP C | CE04W50V-1M(UTSP) | 1 | 397580107T | |
| C6706 | UTSP C | CE04W50V-22M(UTSP) | 1 | 397582207T | |
| C6901 | ELECT C | CE69W71V-12000MON | 1 | 3504458 | <DC> |
| C6901 | ELECT C | CE69W71V-12000MONAL | 1 | 3504460 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| C6902 | ELECT C | CE69W71V-12000MON | 1 | 3504458 | <DC> |
| C6902 | ELECT C | CE69W71V-12000MONAL | 1 | 3504460 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| C6911 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 | |
| C6912 | TF C | ECQ-V100-334J | 1 | 374733344T | |
| C6913 | TF C | ECQ-V100-334J | 1 | 374733344T | |
| C6915 | TF C | ECQ-V50V-104J | 1 | 374721044T | |
| C6916 | TF C | ECQ-V50V-104J | 1 | 374721044T | |
| C9001 | MMT C | MMT50V-334J | 1 | 375523344T | |
| C9003 | UTSP C | CE04W35V-1000M(UTSP) | 1 | 397561027S | |
| C9004 | VR C | CE04W35V-470M(VR) | 1 | 394664717T | |
| R5001 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 | |
| R5002 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 | |
| R5500 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
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| R5506 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
| R5507 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
| R5508 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
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| R5510 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
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| R5514 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
| R5515 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
| R5516 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
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| R5520 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
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| R5525 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
| R5526 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
| R5527 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5528 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5529 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5530 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5531 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5532 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5533 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5534 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5537 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 | |
| R5538 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 | |
| R5541 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | <SA705> |
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| R5546 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
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| R5550 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
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| R5555 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5556 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5557 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |

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| R5558 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
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| R5560 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5561 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5562 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5563 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5564 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5565 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5566 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5567 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R5568 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R5569 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R5570 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R5571 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R5572 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R5573 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
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| R5575 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5576 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5577 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 | |
| R5578 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 | |
| R5579 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5580 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5581 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5582 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5583 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5585 | C-CARBON R | RN72K1J-182JE | 1 | 435031824R1 | |
| R5586 | C-CARBON R | RN72K1J-182JE | 1 | 435031824R1 | |
| R5587 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R5588 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R5589 | CARBON R | R16J-1K | 1 | 417341024T | |
| R5600 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5601 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5602 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5603 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5604 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
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| R5609 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5610 | C-CARBON R | RN72K1J-271JE | 1 | 435032714R1 | |
| R5611 | C-CARBON R | RN72K1J-271JE | 1 | 435032714R1 | |
| R5612 | C-CARBON R | RN72K1J-271JE | 1 | 435032714R1 | |
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| R5615 | C-CARBON R | RN72K1J-271JE | 1 | 435032714R1 | |
| R5616 | C-CARBON R | RN72K1J-271JE | 1 | 435032714R1 | |
| R5617 | C-CARBON R | RN72K1J-271JE | 1 | 435032714R1 | |
| R5618 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R5619 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R5620 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
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| R5622 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
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| R5624 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5625 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5626 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5627 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R5628 | CARBON R | R16J-22 | 1 | 417342204T | <DC, DT> |
| R5628 | METAL O R | RS1WBJ-680 | 1 | 443626814T | <MP, MA, MO, MK, MQ, MT, SA705> |
| R5630 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 | |
| R5631 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 | |
| R5632 | C-CARBON R | RN72K1J-153JE | 1 | 435031534R1 | |
| R5633 | C-CARBON R | RN72K1J-122JE | 1 | 435031224R1 | |
| R5634 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R5660 | METAL R | RNU1WCJ-1.5 | 1 | 453630154T | |
| R5661 | METAL R | RNU1WCJ-1.5 | 1 | 453630154T | |
| R5666 | CARBON R | R16J-22 | 1 | 417342204T | |
| R5667 | CARBON R | R16J-22 | 1 | 417342204T | |
| R5668 | CARBON R | R16J-22 | 1 | 417342204T | <DC, DT> |
| R5668 | METAL O R | RS1WBJ-680 | 1 | 443626814T | <MP, MA, MO, MK, MQ, MT, SA705> |
| R5671 | METAL O R | RS2WBJ-47 | 1 | 441724704F | <DC, DT> |
| R5671 | METAL O R | RS2WBJ-33 | 1 | 441723304F | <MP, MA, MO, MK, MQ, MT, SA705> |
| R5672 | METAL O R | RS1WBJ-12 | 1 | 443621204T | <SR705> |
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| R5674 | METAL O R | RS1WBJ-68 | 1 | 443626804T | |
| R5675 | METAL O R | RS1WBJ-68 | 1 | 443626804T | |
| R5677 | METAL O R | RS2WBJ-8.2 | 1 | 441720824F | |
| R5678 | METAL R | RNU1WCJ-2.2 | 1 | 453630224T | <DC, DT> |
| R5678 | METAL R | RNU1WCJ-0.47 | 1 | 453634794T | <MP, MA, MO, MK, MQ, MT, SA705> |
| R5680 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5681 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5682 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R5684 | CARBON R | R16J-680 | 1 | 417346814T | |
| R5685 | CARBON R | R16J-680 | 1 | 417346814T | |
| R5800 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |

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| R5801 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R5802 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R5805 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R5806 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R5807 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R5808 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R5809 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R5810 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R5811 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R5812 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
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| R5820 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R5822 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R5823 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
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| R5901 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R5902 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R5903 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 |
| R5904 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 |
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| R5909 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R5910 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R5911 | C-CARBON R | RN72K1J-271JE | 1 | 435032714R1 |
| R5912 | C-CARBON R | RN72K1J-271JE | 1 | 435032714R1 |
| R5913 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 |
| R5914 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 |
| R5915 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R5916 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R5917 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 |
| R5918 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 |
| R6000 | CARBON R | R16J-5.6K | 1 | 417345624T |
| R6001 | CARBON R | R16J-5.6K | 1 | 417345624T |
| R6002 | CARBON R | R16J-5.6K | 1 | 417345624T |
| R6003 | CARBON R | R16J-5.6K | 1 | 417345624T |
| R6004 | CARBON R | R16J-5.6K | 1 | 417345624T |
| R6005 | CARBON R | R16J-5.6K | 1 | 417345624T |
| R6006 | CARBON R | R16J-5.6K | 1 | 417345624T |
| R6010 | CARBON R | R16J-3.9K | 1 | 417343924T |
| R6011 | CARBON R | R16J-3.9K | 1 | 417343924T |
| R6012 | CARBON R | R16J-3.9K | 1 | 417343924T |
| R6013 | CARBON R | R16J-3.9K | 1 | 417343924T |
| R6014 | CARBON R | R16J-3.9K | 1 | 417343924T |
| R6015 | CARBON R | R16J-3.9K | 1 | 417343924T |
| R6016 | CARBON R | R16J-3.9K | 1 | 417343924T |
| R6020 | NF CARBON R | R25J-2.2 | 1 | 415470224T |
| R6021 | NF CARBON R | R25J-2.2 | 1 | 415470224T |
| R6022 | NF CARBON R | R25J-2.2 | 1 | 415470224T |
| R6023 | NF CARBON R | R25J-2.2 | 1 | 415470224T |
| R6024 | NF CARBON R | R25J-2.2 | 1 | 415470224T |
| R6025 | NF CARBON R | R25J-2.2 | 1 | 415470224T |
| R6026 | NF CARBON R | R25J-2.2 | 1 | 415470224T |
| R6030 | CARBON R | R16J-470 | 1 | 417344714T |
| R6031 | CARBON R | R16J-470 | 1 | 417344714T |
| R6032 | CARBON R | R16J-470 | 1 | 417344714T |
| R6033 | CARBON R | R16J-470 | 1 | 417344714T |
| R6034 | CARBON R | R16J-470 | 1 | 417344714T |
| R6035 | CARBON R | R16J-470 | 1 | 417344714T |
| R6036 | CARBON R | R16J-470 | 1 | 417344714T |
| R6040 | TRIM R | N06HR2KBC | 1 | 5210390T |
| R6041 | TRIM R | N06HR2KBC | 1 | 5210390T |
| R6042 | TRIM R | N06HR2KBC | 1 | 5210390T |
| R6043 | TRIM R | N06HR2KBC | 1 | 5210390T |
| R6044 | TRIM R | N06HR2KBC | 1 | 5210390T |
| R6045 | TRIM R | N06HR2KBC | 1 | 5210390T |
| R6046 | TRIM R | N06HR2KBC | 1 | 5210390T |
| R6050 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R6051 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R6052 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R6053 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R6054 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R6055 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R6056 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R6070 | NF CARBON R | R25J-82 | 1 | 415478204T |
| R6071 | NF CARBON R | R25J-82 | 1 | 415478204T |
| R6072 | NF CARBON R | R25J-82 | 1 | 415478204T |
| R6073 | NF CARBON R | R25J-120 | 1 | 415471214T |
| R6074 | NF CARBON R | R25J-120 | 1 | 415471214T |
| R6075 | NF CARBON R | R25J-120 | 1 | 415471214T |
| R6076 | NF CARBON R | R25J-120 | 1 | 415471214T |
| R6080 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6081 | NF CARBON R | R25J-0.22 | 1 | 415472294T |

| | | | | |
|----------|-------------|---------------|-----|-------------|
| R6082 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6083 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6084 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6085 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6086 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6090 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6091 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6092 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6093 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6094 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6095 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6096 | NF CARBON R | R25J-0.22 | 1 | 415472294T |
| R6100 | METAL PR | MPR5W+5W 0R22 | 1 | 4000233 |
| R6100 or | METAL PR | RGC55 0.22 | (1) | 4000132 |
| R6101 | METAL PR | MPR5W+5W 0R22 | 1 | 4000233 |
| R6101 or | METAL PR | RGC55 0.22 | (1) | 4000132 |
| R6102 | METAL PR | MPR5W+5W 0R22 | 1 | 4000233 |
| R6102 or | METAL PR | RGC55 0.22 | (1) | 4000132 |
| R6103 | METAL PR | MPR5W+5W 0R22 | 1 | 4000233 |
| R6103 or | METAL PR | RGC55 0.22 | (1) | 4000132 |
| R6104 | METAL PR | MPR5W+5W 0R22 | 1 | 4000233 |
| R6104 or | METAL PR | RGC55 0.22 | (1) | 4000132 |
| R6105 | METAL PR | MPR5W+5W 0R22 | 1 | 4000233 |
| R6105 or | METAL PR | RGC55 0.22 | (1) | 4000132 |
| R6106 | METAL PR | MPR5W+5W 0R22 | 1 | 4000233 |
| R6106 or | METAL PR | RGC55 0.22 | (1) | 4000132 |
| R6130 | METAL R | RNU1WCJ-5.6 | 1 | 453630564T |
| R6131 | METAL R | RNU1WCJ-5.6 | 1 | 453630564T |
| R6132 | METAL R | RNU1WCJ-5.6 | 1 | 453630564T |
| R6133 | METAL R | RNU1WCJ-5.6 | 1 | 453630564T |
| R6134 | METAL R | RNU1WCJ-5.6 | 1 | 453630564T |
| R6135 | METAL R | RNU1WCJ-5.6 | 1 | 453630564T |
| R6136 | METAL R | RNU1WCJ-5.6 | 1 | 453630564T |
| R6140 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 |
| R6141 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 |
| R6142 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 |
| R6143 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 |
| R6144 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 |
| R6145 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 |
| R6146 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 |
| R6150 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 |
| R6151 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 |
| R6152 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 |
| R6153 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 |
| R6154 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 |
| R6155 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 |
| R6156 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 |
| R6160 | CARBON R | R16J-33K | 1 | 417343334T |
| R6161 | CARBON R | R16J-33K | 1 | 417343334T |
| R6162 | CARBON R | R16J-33K | 1 | 417343334T |
| R6163 | CARBON R | R16J-33K | 1 | 417343334T |
| R6164 | CARBON R | R16J-33K | 1 | 417343334T |
| R6165 | CARBON R | R16J-33K | 1 | 417343334T |
| R6166 | CARBON R | R16J-33K | 1 | 417343334T |
| R6170 | CARBON R | R16J-47K | 1 | 417344734T |
| R6171 | CARBON R | R16J-47K | 1 | 417344734T |
| R6172 | CARBON R | R16J-47K | 1 | 417344734T |
| R6173 | CARBON R | R16J-47K | 1 | 417344734T |
| R6174 | CARBON R | R16J-47K | 1 | 417344734T |
| R6175 | CARBON R | R16J-47K | 1 | 417344734T |
| R6176 | CARBON R | R16J-47K | 1 | 417344734T |
| R6180 | CARBON R | R16J-47K | 1 | 417344734T |
| R6181 | CARBON R | R16J-47K | 1 | 417344734T |
| R6182 | CARBON R | R16J-47K | 1 | 417344734T |
| R6183 | CARBON R | R16J-47K | 1 | 417344734T |
| R6184 | CARBON R | R16J-47K | 1 | 417344734T |
| R6185 | CARBON R | R16J-47K | 1 | 417344734T |
| R6186 | CARBON R | R16J-47K | 1 | 417344734T |
| R6190 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R6191 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R6192 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R6193 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R6194 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R6195 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R6196 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R6197 | METAL O R | RS1/2WBJ-10 | 1 | 443521004T |
| R6206 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R6207 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R6208 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R6209 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R6210 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R6211 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R6212 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R6221 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 |
| R6222 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R6223 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R6224 | C-CARBON R | RN72K1J-332JE | 1 | 435033324R1 |
| R6226 | C-CARBON R | RN72K1J-104JE | 1 | 435031044R1 |
| R6227 | C-CARBON R | RN72K1J-033JE | 1 | 435030334R1 |

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|----------|-------------|--------------------|-----|---------------|---------------------------------|
| R6228 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R6701 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R6702 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R6704 | C-CARBON R | RN72K1J-563JE | 1 | 435035634R1 | |
| R6706 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R6708 | C-CARBON R | RN72K1J-333JE | 1 | 435033334R1 | |
| R6709 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 | |
| R6710 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 | |
| R6902 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 | |
| R6903 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 | |
| RL5700 | RELAY | NRL-2P2A-DC24-174 | 1 | 25065659 | <DC, DT> |
| RL5700 | RELAY | NRL-2P2A-DC12-178 | 1 | 25065664 | <MP, MA, MO, MK, MQ, MT, SA705> |
| RL5701 | RELAY | NRL-2P2A-DC24-174 | 1 | 25065659 | <DC, DT> |
| RL5701 | RELAY | NRL-2P2A-DC12-178 | 1 | 25065664 | <MP, MA, MO, MK, MQ, MT, SA705> |
| RL6901 | RELAY | NRL-1P10A-DC12-140 | 1 | 25065584 | |
| RL6901A | TAPE | TAPE(CLOTH-16U) | 1 | 29110083 | |
| RL6902 | RELAY | NRL-1P10A-DC12-140 | 1 | 25065584 | |
| RL6902A | TAPE | TAPE(CLOTH-16U) | 1 | 29110083 | |
| F6901A | FUSE HOLDER | SN5051 | 1 | 250113 | ! |
| F6901B | FUSE HOLDER | SN5051 | 1 | 250113 | ! |
| F6902A | FUSE HOLDER | SN5051 | 1 | 250113 | ! |
| F6902B | FUSE HOLDER | SN5051 | 1 | 250113 | ! |
| JL5502A | WIRE HOL | NSCT-7P878 | 1 | 25051091 | <DC> |
| JL6018A | WIRE HOL | NSCT-4P875 | 1 | 25051088 | |
| JL6402A | WIRE HOL | NSCT-3P874 | 1 | 25051087 | |
| JL6600A | WIRE HOL | NSCT-7P898 | 1 | 25051111 | |
| JL6603A | WIRE HOL | NSCT-9P900 | 1 | 25051113 | |
| JL6605A | WIRE HOL | NSCT-7P878 | 1 | 25051091 | |
| JL6605B | WIRE HOL | NSCT-7P878 | 1 | 25051091 | |
| JL6952A | WIRE HOL | NSCT-4P895 | 1 | 25051108 | |
| JL6952B | WIRE HOL | NSCT-4P895 | 1 | 25051108 | |
| P301 | PLUG | NPLG-8P0963 | 1 | 25056013 | |
| P302 | PLUG | NPLG-14P0969 | 1 | 25056019 | |
| P303 | PLUG | NPLG-17P0972 | 1 | 25056022 | |
| P304 | PLUG | NPLG-3P0958 | 1 | 25056008 | |
| P5503 | CRIMP AS | CRIMP AS | 1 | 2069955120UL | |
| P5504 | SOCKET AS | NSAS-26P1612 | 1 | 2009991020UL | |
| P5505 | TRM(SCREW) | NEJITANSI M3 | 1 | 25065425 | |
| P5507 | TRM | NTM-1P232(M1700) | 1 | 25060301 | |
| P5901 | PIN JACK | NPJ-2PDWR558 | 1 | 25045776 | |
| P5901 or | PIN JACK | NPJ-2PDBL185 | (1) | 25045333 | |
| P6000B | PLUG | NPLG-5P0960 | 1 | 25056010 | |
| P6001B | PLUG | NPLG-5P0960 | 1 | 25056010 | |
| P6002B | PLUG | NPLG-5P0960 | 1 | 25056010 | |
| P6003B | PLUG | NPLG-5P0960 | 1 | 25056010 | |
| P6004B | PLUG | NPLG-5P0960 | 1 | 25056010 | |
| P6005B | PLUG | NPLG-5P0960 | 1 | 25056010 | |
| P6006B | PLUG | NPLG-5P0960 | 1 | 25056010 | |
| P6011 | SOCKET | 7906-09FHA | 1 | 25053103 | |
| P6011A | RETAINER | (BUS-D) | 1 | 27142035 | |
| P6019A | SOCKET AS | NSAS-6P1701 | 1 | 2002A290655UL | <SA705> |
| P6050 | HOLDER | HOLDER(CLAMP) | 1 | 27190540-1 | |
| P6080 | PLUG | NPLG-2P29 | 1 | 25055038 | |
| P6081 | PLUG | NPLG-2P29 | 1 | 25055038 | |
| P6082 | PLUG | NPLG-2P29 | 1 | 25055038 | |
| P6083 | PLUG | NPLG-2P29 | 1 | 25055038 | |
| P6084 | PLUG | NPLG-2P29 | 1 | 25055038 | |
| P6085 | PLUG | NPLG-2P29 | 1 | 25055038 | |
| P6086 | PLUG | NPLG-2P29 | 1 | 25055038 | |
| P6100 | HOLDER | HOLDER(CLAMP) | 1 | 27190540-1 | |
| P6101 | HOLDER | (CRAMP) UA-0 V0 | 1 | 27190608-1 | |
| P6102 | HOLDER | (CRAMP) UA-0 V0 | 1 | 27190608-1 | |
| P6221 | ST JACK | HSJ1002-01-6020 | 1 | 25045647 | |
| P6900 | CRIMP AS | CRIMP AS | 1 | 20799165UL | |
| P6901 | CRIMP AS | CRIMP AS | 1 | 2069925189UL | |
| P6902 | CRIMP AS | CRIMP AS | 1 | 2069925266UL | |
| P6903 | CRIMP AS | CRIMP AS | 1 | 20799163UL | |
| P6904 | CRIMP AS | CRIMP AS | 1 | 20799164UL | |
| P6910 | CRIMP AS | PVCAS-TXSR604 | 1 | 20799167UL | |
| P6991 | TRM(SCREW) | NEJITANSI M3 | 1 | 25065425 | |
| P7900 | ST JACK | LGY2502-0200FC | 1 | 25045696 | |
| P7901 | PIN JACK | NPJ-2PDWR558 | 1 | 25045776 | <SA705> |
| P7901 or | PIN JACK | NPJ-2PDBL185 | (1) | 25045333 | <SA705> |
| P7902 | PIN JACK | NPJ-6PDWWWRRR561 | 1 | 25045779 | |
| P7902 or | PIN JACK | NPJ-6PDBL159 | (1) | 25045300 | |
| P7903 | PIN JACK | NPJ-2PDWR558 | 1 | 25045776 | |
| P7903 or | PIN JACK | NPJ-2PDBL185 | (1) | 25045333 | |
| P7904 | PIN JACK | NPJ-6PDWWWRRR561 | 1 | 25045779 | |
| P7904 or | PIN JACK | NPJ-6PDBL159 | (1) | 25045300 | |
| P7905 | PIN JACK | NPJ-4PDWLR642 | 1 | 25045866 | |
| P7906 | PIN JACK | NPJ-4PDGNPT643 | 1 | 25045867 | |
| P7907 | PIN JACK | NPJ-4PDWLR642 | 1 | 25045866 | |
| P7908 | PIN JACK | NPJ-4PDGNPT643 | 1 | 25045867 | |

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|------------|---|
| U06 | DISPLAY PC BOARD(NADIS-9148-2A/2B/2C/2F) |
| U07 | DISPLAY PC BOARD(NADIS-9149-2A/2B/2C/2F) |
| U08 | POWER SUPPLY PC BOARD(NAPS-9150-2A/2B/2C/2F) |
| U09 | POWER SUPPLY PC BOARD(NAPS-9151-2A/2B/2C/2F) |
| U10 | FRONT OPT PC BOARD(NAETC-9152-2A/2B/2C/2F) |

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| U11 | HEADPHONE JACK PC BOARD(NAETC-9153-2A/2B/2C/2F) |
| U12 | INLET PC BOARD(NAETC-9155-2B/2C/2F) |
| U15 | HOLDER PC BOARD(NAETC-9160-2A/2B/2C/2F) |
| U16 | DISPLAY PC BOARD(NAETC-9161-2A/2B/2C/2F) |

| CIRCUIT NO. | PART NAME | DESCRIPTION | Q'TY | PART NO. (SN) | REMARKS |
|-------------|------------|----------------------|------|---------------|-------------------------------------|
| U7042 | REMO SENS | NJL34H380A | 1 | 241365 | |
| U7351 | PHT CP | GP1FAV51RK0F | 1 | 24120129 | |
| Q7002 | FL TUBE | 16-BT-138GNK | 1 | 212268 | |
| Q7002A | HOLDER | (FL) | 1 | 27191222C | |
| Q7003 | IC | M66005-0001AHP | 1 | 22242208R3 | |
| Q7004 | TR | 2SC2458-GR | 1 | 2212115T | |
| Q7004 or | TR | 2SC1740S-R | (1) | 2213284T | |
| Q7004 or | TR | 2SC1740S-S | (1) | 2213285T | |
| Q7005 | TR | KRA102M | 1 | 2215770T | |
| Q7005 or | TR | DTA114ES | (1) | 2213510T | |
| Q7006 or | TR | DTC114ES | (0) | 2213290T | |
| Q7007 | TR | KRC102M | 1 | 2215960T | |
| Q7007 or | TR | DTC114ES | (1) | 2213290T | |
| Q7151 | TR | DTA114ES | 1 | 2213510T | |
| Q7152 | TR | KRC102M | 1 | 2215960T | |
| Q7152 or | TR | DTC114ES | (1) | 2213290T | |
| Q7401 | IC | NJM4580D-D | 1 | 22241112 | |
| Q7403 | TR | KRC111M | 1 | 2216320T | |
| Q7403 or | TR | DTC114TS | (1) | 221299T | |
| Q7404 | TR | KRC111M | 1 | 2216320T | |
| Q7404 or | TR | DTC114TS | (1) | 221299T | |
| Q7405 | TR | KRA102M | 1 | 2215770T | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| Q7405 or | TR | DTA114ES | (1) | 2213510T | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| D7001 | LED | SDPB3DD0C0000-ABCDEF | 1 | 225473 | |
| D7002 | ZENER D | MTZJ8.2C | 1 | 224470823T | |
| D7152 | LED | SLI-343URC-TE7 | 1 | 225449T | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| D7154 | LED | SDPB3DD0C0000-ABCDEF | 1 | 225473 | |
| D7155 | LED | SLR-342MGTE7P | 1 | 225455T | |
| D7401 | ZENER D | MTZJ5.1B | 1 | 224470512T | |
| D7411 | ZENER D | MTZJ6.8C | 1 | 224470683T | |
| D7411 or | ZENER D | DZ-6.8BSC | (1) | 224850683T | |
| D7412 | ZENER D | MTZJ6.8C | 1 | 224470683T | |
| D7412 or | ZENER D | DZ-6.8BSC | (1) | 224850683T | |
| D7413 | LED | SLI-343URC-TE7 | 1 | 225449T | <DC> |
| D7413 | LED | SEL2910A-TP6 | 1 | 225390T | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| D911 | DIODE | ISS133 | 1 | 223163T | |
| D912 | DIODE | ISS133 | 1 | 223163T | |
| D921 | DIODE | ISS133 | 1 | 223163T | |
| D922 | DIODE | ISS133 | 1 | 223163T | |
| D923 | DIODE | ISS133 | 1 | 223163T | |
| D924 | DIODE | ISS133 | 1 | 223163T | |
| D925 | DIODE | ISS133 | 1 | 223163T | |
| D930 | DIODE | ISS133 | 1 | 223163T | |
| D931 | DIODE | ISS133 | 1 | 223163T | |
| D933 | DIODE | ISS133 | 1 | 223163T | |
| D934 | ZENER D | MTZJ5.1B | 1 | 224470512T | |
| D935 | DIODE | ISS133 | 1 | 223163T | |
| L7031 | CHOKE COIL | NCH-1561 022K | 1 | 233526K022T | |
| L7032 | CHOKE COIL | NCH-1561 022K | 1 | 233526K022T | |
| L7201 | CHOKE COIL | NCH-1561 022K | 1 | 233526K022T | |
| L7202 | CHOKE COIL | NCH-1561 022K | 1 | 233526K022T | |
| L7203 | CHOKE COIL | NCH-1561 022K | 1 | 233526K022T | |
| L7351 | CHOKE COIL | NCH-1561 022K | 1 | 233526K022T | |
| L7401 | CHOKE COIL | NCH-1561 022K | 1 | 233526K022T | |
| L7402 | CHOKE COIL | NCH-1561 022K | 1 | 233526K022T | |
| T902 | P TRANS | NPT-1520JQ | 1 | 2301812A | !, <DC, DT> |
| T902 | P TRANS | NPT-1520GQ | 1 | 2301813A | !, <MP, MA, MO, MK, MQ, MT, SA705> |
| C7001 | CERA C | CK45F50V-223Z | 1 | 335622230T | |
| C7002 | MMT C | MMT50V-104J | 1 | 375521044T | |
| C7003 | CERA C | CC45SL50V-101J | 1 | 345021014T | |
| C7004 | CERA C | CC45SL50V-101J | 1 | 345021014T | |
| C7005 | CERA C | CC45SL50V-101J | 1 | 345021014T | |
| C7007 | CERA C | CC45SL50V-101J | 1 | 345021014T | |
| C7008 | UTSP C | CE04W10V-100M(UTSP) | 1 | 397531017T | |
| C7009 | MMT C | MMT50V-104J | 1 | 375521044T | |
| C7010 | CERA C | CK45F50V-223Z | 1 | 335622230T | |
| C7011 | CERA C | CK45F50V-223Z | 1 | 335622230T | |
| C7012 | CERA C | CK45F50V-223Z | 1 | 335622230T | |
| C7013 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T | |
| C7014 | CERA C | CK45F50V-223Z | 1 | 335622230T | |
| C7015 | ELECT C | CE04W16V-47M(S) | 1 | 353744709T | |
| C7016 | CERA C | CK45F50V-223Z | 1 | 335622230T | |
| C7017 | CERA C | CK45F50V-223Z | 1 | 335622230T | |
| C7018 | ELECT C | CE04W50V-10M | 1 | 355781009T | |
| C7021 | CERA C | CK45F50V-103Z | 1 | 335621030T | |
| C7022 | CERA C | CK45F50V-103Z | 1 | 335621030T | |
| C7031 | CERA C | CK45F50V-223Z | 1 | 335622230T | |
| C7032 | CERA C | CK45F50V-223Z | 1 | 335622230T | |
| C7045 | ELECT C | CE04W6.3V-100M(S) | 1 | 353721019T | |
| C7047 | CERA C | CK45B50V-102K | 1 | 335321025T | |
| C7201 | TF C | ECQ-B50V-472J | 1 | 374724724T | |
| C7202 | TF C | ECQ-B50V-472J | 1 | 374724724T | |
| C7203 | TF C | ECQ-B50V-102J | 1 | 374721024T | |

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|---------|----------|---------------------|-----|-------------|-------------------------------------|
| C7204 | TF C | ECQ-B50V-102J | 1 | 374721024T | |
| C7301 | TF C | ECQ-B50V-471J | 1 | 374724714T | |
| C7302 | TF C | ECQ-B50V-471J | 1 | 374724714T | |
| C7303 | MMT C | MMT50V-104J | 1 | 375521044T | |
| C7304 | MMT C | MMT50V-104J | 1 | 375521044T | |
| C7305 | TF C | ECQ-V50V-104J | 1 | 374721044T | |
| C7351 | CERA C | CK45F50V-223Z | 1 | 335622230T | |
| C7352 | UTSP C | CE04W10V-100M(UTSP) | 1 | 3975531017T | |
| C7401 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T | |
| C7402 | CERA C | CC45SL50V-101J | 1 | 345021014T | |
| C7403 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T | |
| C7404 | CERA C | CC45SL50V-330J | 1 | 345023304T | |
| C7405 | ELECT C | CE04W16V-10M(S) | 1 | 353741009T | |
| C7411 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T | |
| C7412 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T | |
| C7421 | CERA C | CC45SL50V-102J | 1 | 345021024T | |
| C901 | IS C | ECQU2A103MLC | 1 | 3800039S | ! |
| C901 or | IS C | RE275V-103M | (1) | 3500196S | ! |
| C901 or | IS C | LE103-C3.5 | (1) | 3800042S | ! |
| C902 | TF C | ECQ-V50V-104J | 1 | 374721044T | |
| C9101 | MMT C | MMT50V-104J | 1 | 375521044T | |
| C911 | TF C | ECQ-B50V-102J | 1 | 374721024T | |
| C921 | TF C | ECQ-B50V-223J | 1 | 374722234T | |
| C922 | VR C | CE04W25V-2200M(VR) | 1 | 394652227S | |
| C930 | UTSP C | CE04W25V-100M(UTSP) | 1 | 397551017T | |
| C933 | UTSP C | CE04W50V-4.7M(UTSP) | 1 | 397580477T | |
| R7001 | CARBON R | R16J-100K | 1 | 417341044T | |
| R7002 | CARBON R | R16J-3.3K | 1 | 417343324T | |
| R7003 | CARBON R | R16J-3.3K | 1 | 417343324T | |
| R7004 | CARBON R | R16J-220 | 1 | 417342214T | |
| R7005 | CARBON R | R16J-220 | 1 | 417342214T | |
| R7006 | CARBON R | R16J-27K | 1 | 417342734T | |
| R7007 | CARBON R | R16J-220 | 1 | 417342214T | |
| R7008 | CARBON R | R16J-220 | 1 | 417342214T | |
| R7013 | CARBON R | R16J-560 | 1 | 417345614T | |
| R7023 | CARBON R | R16J-470 | 1 | 417344714T | |
| R7024 | CARBON R | R16J-470 | 1 | 417344714T | |
| R7045 | CARBON R | R16J-100 | 1 | 417341014T | |
| R7046 | CARBON R | R16J-1K | 1 | 417341024T | |
| R7101 | CARBON R | R16J-330 | 1 | 417343314T | |
| R7102 | CARBON R | R16J-470 | 1 | 417344714T | |
| R7103 | CARBON R | R16J-820 | 1 | 417348214T | |
| R7104 | CARBON R | R16J-1.2K | 1 | 417341224T | |
| R7105 | CARBON R | R16J-2.2K | 1 | 417342224T | |
| R7107 | CARBON R | R16J-330 | 1 | 417343314T | |
| R7108 | CARBON R | R16J-470 | 1 | 417344714T | |
| R7109 | CARBON R | R16J-560 | 1 | 417345614T | |
| R7110 | CARBON R | R16J-820 | 1 | 417348214T | |
| R7111 | CARBON R | R16J-1.2K | 1 | 417341224T | |
| R7112 | CARBON R | R16J-2.2K | 1 | 417342224T | |
| R7113 | CARBON R | R16J-3.9K | 1 | 417343924T | |
| R7114 | CARBON R | R16J-12K | 1 | 417341234T | |
| R7115 | CARBON R | R16J-330 | 1 | 417343314T | |
| R7116 | CARBON R | R16J-470 | 1 | 417344714T | |
| R7117 | CARBON R | R16J-560 | 1 | 417345614T | |
| R7118 | CARBON R | R16J-820 | 1 | 417348214T | |
| R7119 | CARBON R | R16J-1.2K | 1 | 417341224T | |
| R7120 | CARBON R | R16J-2.2K | 1 | 417342224T | |
| R7121 | CARBON R | R16J-3.9K | 1 | 417343924T | |
| R7122 | CARBON R | R16J-12K | 1 | 417341234T | |
| R7123 | CARBON R | R16J-330 | 1 | 417343314T | |
| R7124 | CARBON R | R16J-470 | 1 | 417344714T | |
| R7125 | CARBON R | R16J-560 | 1 | 417345614T | |
| R7126 | CARBON R | R16J-820 | 1 | 417348214T | |
| R7127 | CARBON R | R16J-1.2K | 1 | 417341224T | |
| R7128 | CARBON R | R16J-2.2K | 1 | 417342224T | |
| R7129 | CARBON R | R16J-3.9K | 1 | 417343924T | |
| R7130 | CARBON R | R16J-12K | 1 | 417341234T | |
| R7151 | CARBON R | R16J-1K | 1 | 417341024T | |
| R7152 | CARBON R | R16J-120 | 1 | 417341214T | |
| R7154 | CARBON R | R16J-180 | 1 | 417341814T | |
| R7301 | CARBON R | R16J-330 | 1 | 417343314T | |
| R7302 | CARBON R | R16J-330 | 1 | 417343314T | |
| R7351 | CARBON R | R16J-220 | 1 | 417342214T | |
| R7401 | CARBON R | R16J-100 | 1 | 417341014T | |
| R7402 | CARBON R | R16J-47K | 1 | 417344734T | |
| R7403 | CARBON R | R16J-4.7K | 1 | 417344724T | |
| R7404 | CARBON R | R16J-220 | 1 | 417342214T | |
| R7405 | CARBON R | R16J-47K | 1 | 417344734T | |
| R7406 | CARBON R | R16J-330 | 1 | 417343314T | |
| R7407 | CARBON R | R16J-1K | 1 | 417341024T | |
| R7408 | CARBON R | R16J-33K | 1 | 417343334T | |
| R7409 | CARBON R | R16J-220 | 1 | 417342214T | |
| R7410 | CARBON R | R16J-220 | 1 | 417342214T | |
| R7411 | CARBON R | R16J-470 | 1 | 417344714T | |
| R7412 | CARBON R | R16J-470 | 1 | 417344714T | |
| R7413 | CARBON R | R16J-220K | 1 | 417342244T | |
| R7414 | CARBON R | R16J-100K | 1 | 417341044T | |
| R7415 | CARBON R | R16J-180 | 1 | 417341814T | <DT, MP, MA, MO, MK, MQ, MT, SA705> |

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|----------|------------|--------------------------|-----|---------------|--|
| R9102 | METAL R | RNU1/2WCJ-3.3 | 1 | 453530334T | |
| R921 | METAL O R | RS1/2WBJ-56 | 1 | 443525604T | |
| R934 | CARBON R | R16J-100K | 1 | 417341044T | |
| RL901 | RELAY | NRL-1P10A-DC9-186 | 1 | 25065683 | ! |
| RL901A | TAPE | TAPE(CLOTH-16U) | 1 | 29110083 | |
| E7201 | TRM(SCREW) | NEJITANSI M3 | 1 | 25065425 | |
| E7301 | RETAINER | (S) | 1 | 27142074 | |
| E7601 | TRM(SCREW) | NEJITANSI M3 | 1 | 25065425 | |
| E901 | TRM(SCREW) | NEJITANSI M3 | 1 | 25065425 | |
| E902 | TRM(SCREW) | NEJITANSI M3 | 1 | 25065425 | |
| F901C | FUSE HOL | NSCT-1P2031 | 1 | 25052133T | ! |
| F901D | FUSE HOL | NSCT-1P2031 | 1 | 25052133T | ! |
| F901E | FUSE LABEL | 10A/125V | 1 | 29362241 | !, <DC, DT> |
| F901E | LABEL | T5AL250V | 1 | 29361938 | !, <MP, MA, MO, MK, MQ, MT, SA705> |
| F903A | FUSE HOL | NSCT-1P2031 | 1 | 25052133T | !, <DC, MP> |
| F903B | FUSE HOL | NSCT-1P2031 | 1 | 25052133T | !, <DC, MP> |
| F903C | LABEL | T2.5AL250V | 1 | 29361747 | !, <MP> |
| F903D | LABEL | 5A/125V | 1 | 29360462 | !, <DC> |
| F910A | FUSE HOL | NSCT-1P2031 | 1 | 25052133T | ! |
| F910B | FUSE HOL | NSCT-1P2031 | 1 | 25052133T | ! |
| F910C | LABEL | 5A/125V | 1 | 29360462 | ! |
| JL6605A | WIRE HOL | NSCT-5P896 | 1 | 25051109 | |
| JL7101A | WIRE HOL | NSCT-9P900 | 1 | 25051113 | |
| JL7101B | WIRE HOL | NSCT-9P900 | 1 | 25051113 | |
| JL7351A | WIRE HOL | NSCT-3P894 | 1 | 25051107 | |
| JL7351B | WIRE HOL | NSCT-3P894 | 1 | 25051107 | |
| JL901A | WIRE HOL | NSCT-5P876 | 1 | 25051089 | |
| JL9101A | WIRE HOL | NSCT-6P897 | 1 | 25051110 | |
| P701B | SOCKET | NSCT-36P2166 | 1 | 25052269 | |
| P7201 | ST JACK | MSJ-064-05A SR | 1 | 25045783 | |
| P7201 or | ST JACK | YKB21-5005 | (1) | 25045724 | |
| P7301 | PIN JACK | NPJ-7PDB477 | 1 | 25045680 | |
| P7303 | SOCKET AS | NSAS-4P1127 | 1 | 2002E390415UL | |
| P7401 | ST JACK | MSJ-035-05C B AG SR type | 1 | 25045879 | |
| P901A | PLUG | NPLG-2P631 | 1 | 25055675 | !, <DC> |
| P901A or | PLUG | 1-1123724-2 | (1) | 25056402 | !, <DC> |
| P902 | AC OUTLET | AC-181-UL-11V | 1 | 25053030 | !, <DC> |
| P902 | SOCKET | NSCT-2P1359 | 1 | 25051572 | !, <MP> |
| P907 | AC INLET | NPLG-2P913 | 1 | 25055960 | !, <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| P911 | PLUG | NPLG-2P631 | 1 | 25055675 | ! |
| P911 or | PLUG | 1-1123724-2 | (1) | 25056402 | ! |
| P921 | CRIMP AS | CRIMP AS | 1 | 206CC45109UL | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| P922 | CRIMP AS | CRIMP AS | 1 | 206CC45101UL | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| S7002 | R ENCODE | EC12E2425WITH WASHER | 1 | 25065655W | |
| S7102 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7104 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7106 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7108 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7110 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7112 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7113 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7114 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7116 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7118 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7120 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7122 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7124 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7126 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7128 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7130 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7132 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7134 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7136 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7138 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7140 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7142 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7144 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7146 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7148 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7150 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7152 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7154 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7156 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7158 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7160 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7162 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7164 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |
| S7166 | PUSH SW | NPS-111-S681 | 1 | 25035718T | |

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|------------|---|
| U17 | DAC AND MICROPROCESSOR PC BOARD(NADG-9269-1A/1B/1C/1D) |
| U18 | VIDEO AND SP TERMINAL PC BOARD(NAVD-9270-1A/1B/1C/1D) |
| U20 | XM PC BOARD(NARF-9267-1A) |

| CIRCUIT NO. | PART NAME | DESCRIPTION | Q'TY | PART NO. (SN) | REMARKS |
|-------------|-----------|----------------------|------|---------------|---------|
| U1001 | PHT CP | GPIFAV51TK0F | 1 | 24120128 | |
| U1002 | PHT CP | GPIFAV51RK0F | 1 | 24120129 | |
| U1002 or | PHT CP | JSR1165-001recieving | (1) | 24120143 | |
| U1003 | PHT CP | GPIFAV51RK0F | 1 | 24120129 | |
| U1003 or | PHT CP | JSR1165-001recieving | (1) | 24120143 | |

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|----------|-----------|---------------------|-----|----------------|----------|
| Q101 | IC | CS4344-CZZR | 1 | 22242406R2 | <DC> |
| Q1011 | IC | TC74VHC157FT | 1 | 22274157ER2TO | |
| Q102 | IC | TA48033AF(TE16L_NQ) | 1 | 22278033DR2TO | <DC> |
| Q103 | IC | BU9450KV-E2 | 1 | 22242505R2 | <DC> |
| Q103 or | IC | F2628E-01 | (1) | 22242436R2 | <DC> |
| Q104 | IC | TA48033AF(TE16L_NQ) | 1 | 22278033DR2TO | <DC> |
| Q105 | IC | NJM4580M-D | 1 | 22241448R2 | <DC> |
| Q106 | IC | NJM4580M-D | 1 | 22241448R2 | <DC> |
| Q107 | IC | TC74VHCT08AFT EKJ | 1 | 22274008G1R2TO | <DC> |
| Q107 or | IC | TC74VHCT08AFT | (1) | 22274008GR2TO | <DC> |
| Q1101 | IC | CS42528-CQZR-D | 1 | 22242275R2 | |
| Q1201 | IC | CS4398-CZZ(R) | 1 | 22242227R2 | |
| Q1301 | IC | NJM4580M-D | 1 | 22241448R2 | |
| Q1401 | IC | NJM4580M-D | 1 | 22241448R2 | |
| Q1402 | IC | NJM4580M-D | 1 | 22241448R2 | |
| Q1403 | IC | NJM4580M-D | 1 | 22241448R2 | |
| Q1404 | IC | NJM4580M-D | 1 | 22241448R2 | |
| Q1405 | IC | NJM4580M-D | 1 | 22241448R2 | |
| Q1601 | IC | NJU7312AM | 1 | 22242210R2 | |
| Q1611 | IC | NJM4580M-D | 1 | 22241448R2 | |
| Q1612 | IC | NJM4580M-D | 1 | 22241448R2 | |
| Q1701 | IC | NJM4580M-D | 1 | 22241448R2 | |
| Q1912 | IC | TA48033AF(TE16L_NQ) | 1 | 22278033DR2TO | |
| Q1921 | IC | S-812C56AUA-C3K | 1 | 22242207R2 | |
| Q1931 | IC | S-812C33AUA-C2N | 1 | 22242222R2 | |
| Q1941 | IC | NJM2860F3-05 | 1 | 22242105R2 | |
| Q1942 | IC | NJM2860F3-33 | 1 | 22242087R2 | |
| Q2001 | IC | M3087BFBKBP | 1 | 222W0059R3 | |
| Q2019 | TR | RN1404 | 1 | 2214490R2 | |
| Q2401 | TR | RN1404 | 1 | 2214490R2 | |
| Q2402 | TR | RN2402 | 1 | 2214530R2 | |
| Q2403 | TR | RN1404 | 1 | 2214490R2 | |
| Q2404 | TR | RN2402 | 1 | 2214530R2 | |
| Q2405 | TR | RN1404 | 1 | 2214490R2 | |
| Q2406 | TR | RN2402 | 1 | 2214530R2 | |
| Q2411 | TR | DTC114YKA | 1 | 2216470R2 | |
| Q2412 | TR | DTA114YKA | 1 | 2216480R2 | |
| Q2413 | TR | DTC114YKA | 1 | 2216470R2 | |
| Q2414 | TR | DTA114YKA | 1 | 2216480R2 | |
| Q2415 | TR | DTC114YKA | 1 | 2216470R2 | |
| Q2501 | IC | IS25C64A-2GLI | 1 | 22242385R2 | |
| Q2601 | IC | TC74VHC541FT | 1 | 22274541ER2TO | <DC, MP> |
| Q2601 or | IC | TC74VHC541FT(EKJ) | (1) | 22274541E1R2TO | <DC, MP> |
| Q2602 | IC | TC74VHCT08AFT | 1 | 22274008GR2TO | <DC> |
| Q2602 or | IC | TC74VHCT08AFT EKJ | (1) | 22274008G1R2TO | <DC> |
| Q2603 | IC | TC74VHCT08AFT | 1 | 22274008GR2TO | |
| Q2603 or | IC | TC74VHCT08AFT EKJ | (1) | 22274008G1R2TO | |
| Q2604 | IC | TC74VHCT08AFT | 1 | 22274008GR2TO | |
| Q2604 or | IC | TC74VHCT08AFT EKJ | (1) | 22274008G1R2TO | |
| Q2605 | IC | TC74VHCT08AFT | 1 | 22274008GR2TO | |
| Q2605 or | IC | TC74VHCT08AFT EKJ | (1) | 22274008G1R2TO | |
| Q2701 | TR | RN1402 | 1 | 2214470R2 | |
| Q4002 | IC | AN15881A-VT | 1 | 22242318R3 | |
| Q6601 | TR | DTC123JKA | 1 | 2216690R2 | |
| Q6602 | TR | DTC123JKA | 1 | 2216690R2 | |
| Q6603 | TR | DTC123JKA | 1 | 2216690R2 | |
| Q6604 | TR | DTC123JKA | 1 | 2216690R2 | |
| Q9001 | TR | 2SC2235-Y(TPE6_F) | 1 | 2211654T | |
| Q9002 | TR | RN1405 | 1 | 2214500R2 | |
| Q9020 | TR | RN1405 | 1 | 2214500R2 | |
| Q9021 | IC | SI8008TM | 1 | 22242323R2 | |
| Q9023 | TR | 2SB1068-U-AZ | 1 | 2212855T | |
| Q9031 | IC | 7805FA(NJM7805FA) | 1 | 222780054JRC | |
| Q9031 or | IC | UPC7805AHF-AZ | (1) | 222780054NEC | |
| Q9101 | TR | 2SB1068-U-AZ | 1 | 2212855T | |
| Q9102 | TR | 2SA950-O | 1 | 2211503T | |
| Q9103 | TR | 2SC1815-GR | 1 | 2211255T | |
| Q9104 | TR | 2SA950-O | 1 | 2211503T | |
| Q9105 | TR | 2SC1815-GR | 1 | 2211255T | |
| Q9221 | IC | SI8008TM | 1 | 22242323R2 | |
| Q9231 | IC | MPC2905BHF | 1 | 22278005DBNE | |
| Q9231A | HEAT SINK | RAD-153 | 1 | 27160484 | |
| D1701 | ZENER D | UDZS6.8B | 1 | 224550680R2 | |
| D1702 | ZENER D | UDZS6.8B | 1 | 224550680R2 | |
| D1801 | DIODE | RL1N4003 | 1 | 22380260T | <SR705> |
| D1801 or | DIODE | GP104003E | (1) | 22380035T | <SR705> |
| D1802 | DIODE | RL1N4003 | 1 | 22380260T | <SR705> |
| D1802 or | DIODE | GP104003E | (1) | 22380035T | <SR705> |
| D1803 | DIODE | RL1N4003 | 1 | 22380260T | <SR705> |
| D1803 or | DIODE | GP104003E | (1) | 22380035T | <SR705> |
| D1923 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D1923 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D1924 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D1924 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D2019 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D2019 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D2026 | C-DIODE | 1SS352 | 1 | 223234R2 | |
| D2026 or | C-DIODE | 1SS355 | (1) | 223269R2 | |
| D2027 | C-DIODE | 1SS352 | 1 | 223234R2 | |

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|----------|------------|---------------------|-----|--------------|---------|
| D2027 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D6600 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D6600 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D6603 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D6603 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D6605 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D6605 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D6607 | C-DIODE | ISS352 | 1 | 223234R2 | <SR705> |
| D6607 or | C-DIODE | ISS355 | (1) | 223269R2 | <SR705> |
| D9002 | DIODE | RL1N4003 | 1 | 22380260T | |
| D9002 or | DIODE | GP104003E | (1) | 22380035T | |
| D9005 | ZENER D | UDZS36B | 1 | 224553600R2 | |
| D9011 | DIODE | D5SBA20 | 1 | 22380130 | |
| D9011A | HEAT SINK | RAD-083 | 1 | 27160271 | |
| D9012 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D9012 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D9013 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D9013 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D9014 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D9014 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D9015 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D9015 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D9017 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D9017 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D9019 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D9019 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D9020 | DIODE | RL1N4003 | 1 | 22380260T | |
| D9020 or | DIODE | GP104003E | (1) | 22380035T | |
| D9021 | C-DIODE | CRS09(TE85L_Q) | 1 | 223274R2 | |
| D9024 | ZENER D | UDZS5.6B | 1 | 224550560R2 | |
| D9101 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D9102 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D9219 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D9219 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D9221 | C-DIODE | CRS09(TE85L_Q) | 1 | 223274R2 | |
| L1001 | CHOKE COIL | LBC2518T470M | 1 | 231364M470R2 | |
| L101 | EMIFIL | BK1608LM182-T | 1 | 230958R1 | <DC> |
| L1011 | CHOKE COIL | LBC2518T470M | 1 | 231364M470R2 | |
| L102 | CHOKE COIL | LBC2518T2R2M | 1 | 231364M022R2 | <DC> |
| L103 | CHOKE COIL | BLM21PG221SN1 | 1 | 230949R2 | <DC> |
| L104 | CHOKE COIL | LBC2518T2R2M | 1 | 231364M022R2 | <DC> |
| L105 | CHOKE COIL | BLM21PG221SN1 | 1 | 230949R2 | <DC> |
| L106 | CHOKE COIL | BLM21PG221SN1 | 1 | 230949R2 | <DC> |
| L1101 | CHOKE COIL | LBC2518T4R7M | 1 | 231364M047R2 | |
| L1102 | CHOKE COIL | LBC2518T4R7M | 1 | 231364M047R2 | |
| L1103 | CHOKE COIL | LBC2518T4R7M | 1 | 231364M047R2 | |
| L1104 | CHOKE COIL | LBC2518T4R7M | 1 | 231364M047R2 | |
| L1111 | EMIFIL | BK1608LM182-T | 1 | 230958R1 | |
| L1112 | EMIFIL | BK1608LM182-T | 1 | 230958R1 | |
| L1113 | EMIFIL | BK1608LM182-T | 1 | 230958R1 | |
| L1201 | CHOKE COIL | LBC2518T470M | 1 | 231364M470R2 | |
| L1202 | CHOKE COIL | LBC2518T470M | 1 | 231364M470R2 | |
| L1211 | EMIFIL | BK1608LM182-T | 1 | 230958R1 | |
| L4001 | CHOKE COIL | LBC2518T2R2M | 1 | 231364M022R2 | |
| L4015 | CHOKE COIL | LBC2518T4R7M | 1 | 231364M047R2 | |
| L6600 | S COIL | S-1.3C | 1 | 231176S | <SR705> |
| L6601 | S COIL | S-1.3C | 1 | 231176S | <SR705> |
| L6602 | S COIL | S-1.3C | 1 | 231176S | <SR705> |
| L6603 | S COIL | S-1.3C | 1 | 231176S | <SR705> |
| L6604 | S COIL | S-1.3C | 1 | 231176S | <SR705> |
| L6605 | S COIL | S-1.3C | 1 | 231176S | <SR705> |
| L6606 | S COIL | S-1.3C | 1 | 231176S | <SR705> |
| L9001 | CHOKE COIL | NCH-2541 | 1 | 231363K470 | |
| L9201 | CHOKE COIL | NCH-2541 | 1 | 231363K470 | |
| X101 | CRYSTAL | DSX840GA 45.1584MHz | 1 | 3010420R2 | <DC> |
| X101 or | CRYSTAL | FCX-02N 45.1584MHz | (1) | 3010421R2 | <DC> |
| X2001 | CERA LOCK | CSTCE8M00G55-R0 | 1 | 3010416R2 | |
| C1001 | UTSP C | CE04W10V-100M(UTSP) | 1 | 397531017T | |
| C1002 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1003 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1004 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C101 | UTSP C | CE04W10V-470M(UTSP) | 1 | 397534717T | <DC> |
| C1011 | UTSP C | CE04W10V-100M(UTSP) | 1 | 397531017T | |
| C1012 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C102 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C104 | ELECT C | CE04W16V-10M(S) | 1 | 353741009T | <DC> |
| C105 | ELECT C | CE04W16V-10M(S) | 1 | 353741009T | <DC> |
| C106 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C107 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C108 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C109 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C110 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C1101 | UTSP C | CE04W10V-470M(UTSP) | 1 | 397534717T | |
| C1102 | UTSP C | CE04W10V-470M(UTSP) | 1 | 397534717T | |
| C1103 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1104 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1105 | C-CERA C | CC725CH1H-221J1 | 1 | 342102214R1 | |
| C1106 | UTSP C | CE04W10V-470M(UTSP) | 1 | 397534717T | |
| C1107 | UTSP C | CE04W10V-470M(UTSP) | 1 | 397534717T | |

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|-------|----------|---------------------|---|-------------|------|
| C1108 | UTSP C | CE04W10V-100M(UTSP) | 1 | 397531017T | |
| C1109 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C111 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C1110 | UTSJ C | CE04W25V-47M(UTSJ) | 1 | 398054707T | |
| C1111 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1112 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1113 | C-CERA C | CK725B1H-222K1 | 1 | 332102225R1 | |
| C1114 | C-CERA C | CK725B1H-473K1 | 1 | 332104735R1 | |
| C1115 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1116 | C-CERA C | CC725CH1H-330J1 | 1 | 342103304R1 | |
| C1117 | C-CERA C | CC725CH1H-330J1 | 1 | 342103304R1 | |
| C1118 | C-CERA C | CC725CH1H-330J1 | 1 | 342103304R1 | |
| C112 | C-CERA C | CC725CH1H-080D1 | 1 | 342100802R1 | <DC> |
| C1120 | C-CERA C | CC725CH1H-330J1 | 1 | 342103304R1 | |
| C1121 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1122 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C113 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C114 | C-CERA C | CC725CH1H-040C1 | 1 | 342100401R1 | <DC> |
| C115 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 | <DC> |
| C116 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C117 | ELECT C | CE04W6.3V-100M(S) | 1 | 353721019T | <DC> |
| C118 | UTSP C | CE04W10V-470M(UTSP) | 1 | 397534717T | <DC> |
| C119 | ELECT C | CE04W6.3V-100M(S) | 1 | 353721019T | <DC> |
| C120 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C1201 | UTSP C | CE04W10V-220M(UTSP) | 1 | 397532217T | |
| C1202 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1203 | UTSP C | CE04W10V-220M(UTSP) | 1 | 397532217T | |
| C1204 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1205 | UTSP C | CE04W10V-220M(UTSP) | 1 | 397532217T | |
| C1206 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1207 | UTSP C | CE04W50V-4.7M(UTSP) | 1 | 397580477T | |
| C1208 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C121 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C122 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C123 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C124 | ELECT C | CE04W6.3V-100M(S) | 1 | 353721019T | <DC> |
| C125 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C126 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C127 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C128 | ELECT C | CE04W16V-10M(S) | 1 | 353741009T | <DC> |
| C129 | ELECT C | CE04W16V-10M(S) | 1 | 353741009T | <DC> |
| C130 | C-CERA C | CC725CH1H-821J1 | 1 | 342108214R1 | <DC> |
| C1301 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C1302 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C1303 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T | |
| C1304 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T | |
| C1305 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T | |
| C1306 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T | |
| C1307 | TF C | ECQ-B50V-222J | 1 | 374722224T | |
| C1308 | TF C | ECQ-B50V-222J | 1 | 374722224T | |
| C131 | C-CERA C | CC725CH1H-821J1 | 1 | 342108214R1 | <DC> |
| C1316 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C132 | C-CERA C | CC725CH1H-821J1 | 1 | 342108214R1 | <DC> |
| C133 | C-CERA C | CC725CH1H-821J1 | 1 | 342108214R1 | <DC> |
| C135 | ELECT C | CE04W16V-100M | 1 | 355741019T | <DC> |
| C136 | ELECT C | CE04W16V-100M | 1 | 355741019T | <DC> |
| C137 | ELECT C | CE04W16V-10M(S) | 1 | 353741009T | <DC> |
| C138 | ELECT C | CE04W16V-10M(S) | 1 | 353741009T | <DC> |
| C139 | C-CERA C | CK725F1E-104Z1 | 1 | 332161040R1 | <DC> |
| C140 | CERA C | CK725F1H-223Z1 | 1 | 332152230R1 | <DC> |
| C1401 | TF C | ECQ-B50V-331J | 1 | 374723314T | |
| C1402 | TF C | ECQ-B50V-331J | 1 | 374723314T | |
| C1403 | TF C | ECQ-B50V-331J | 1 | 374723314T | |
| C1404 | TF C | ECQ-B50V-331J | 1 | 374723314T | |
| C1405 | TF C | ECQ-B50V-331J | 1 | 374723314T | |
| C1406 | TF C | ECQ-B50V-331J | 1 | 374723314T | |
| C1407 | TF C | ECQ-V50V-273J | 1 | 374722734T | |
| C1408 | TF C | ECQ-V50V-273J | 1 | 374722734T | |
| C1409 | TF C | ECQ-B50V-331J | 1 | 374723314T | |
| C1410 | TF C | ECQ-B50V-331J | 1 | 374723314T | |
| C1411 | TF C | ECQ-V50V-273J | 1 | 374722734T | |
| C1412 | TF C | ECQ-V50V-273J | 1 | 374722734T | |
| C1413 | C-CERA C | CC725CH1H-331J1 | 1 | 342103314R1 | |
| C1414 | C-CERA C | CC725CH1H-331J1 | 1 | 342103314R1 | |
| C1415 | C-CERA C | CC725CH1H-331J1 | 1 | 342103314R1 | |
| C1416 | C-CERA C | CC725CH1H-331J1 | 1 | 342103314R1 | |
| C1417 | C-CERA C | CC725CH1H-331J1 | 1 | 342103314R1 | |
| C1418 | C-CERA C | CC725CH1H-331J1 | 1 | 342103314R1 | |
| C1419 | C-CERA C | CC725CH1H-331J1 | 1 | 342103314R1 | |
| C1420 | C-CERA C | CC725CH1H-331J1 | 1 | 342103314R1 | |
| C1421 | TF C | ECQ-B50V-222J | 1 | 374722224T | |
| C1422 | TF C | ECQ-B50V-222J | 1 | 374722224T | |
| C1423 | TF C | ECQ-B50V-222J | 1 | 374722224T | |
| C1424 | TF C | ECQ-V50V-333J | 1 | 374723334T | |
| C1425 | TF C | ECQ-B50V-222J | 1 | 374722224T | |
| C1426 | TF C | ECQ-V50V-333J | 1 | 374723334T | |
| C1427 | C-CERA C | CK725B1H-222K1 | 1 | 332102225R1 | |
| C1428 | C-CERA C | CK725B1H-222K1 | 1 | 332102225R1 | |
| C1429 | C-CERA C | CK725B1H-222K1 | 1 | 332102225R1 | |

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|-------|----------|---------------------|---|-------------|---------|
| C1430 | C-CERA C | CK725B1H-222K1 | 1 | 332102225R1 | |
| C1521 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1522 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1523 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1524 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1525 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1591 | VR C | CE04W16V-220M(VR) | 1 | 394642217T | |
| C1592 | VR C | CE04W16V-220M(VR) | 1 | 394642217T | |
| C1601 | UTSP C | CE04W50V-100M(UTSP) | 1 | 397581017T | |
| C1611 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C1612 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C1613 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C1614 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C1615 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T | |
| C1616 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T | |
| C1701 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T | |
| C1702 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T | |
| C1703 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 | |
| C1704 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 | |
| C1705 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T | |
| C1706 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T | |
| C1707 | UTSP C | CE04W10V-220M(UTSP) | 1 | 397532217T | |
| C1708 | UTSP C | CE04W10V-220M(UTSP) | 1 | 397532217T | |
| C1709 | TF C | ECQ-B50V-123J | 1 | 374721234T | |
| C1710 | TF C | ECQ-B50V-123J | 1 | 374721234T | |
| C1711 | TF C | ECQ-B50V-392J | 1 | 374723924T | |
| C1712 | TF C | ECQ-B50V-392J | 1 | 374723924T | |
| C1713 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C1714 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C1715 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T | |
| C1716 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T | |
| C1717 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 | |
| C1801 | UTSP C | CE04W25V-100M(UTSP) | 1 | 397551017T | <SR705> |
| C1911 | UTSP C | CE04W10V-100M(UTSP) | 1 | 397531017T | |
| C1912 | UTSP C | CE04W10V-100M(UTSP) | 1 | 397531017T | |
| C1921 | VR C | CE04W16V-470M(VR) | 1 | 394644717T | |
| C1922 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1923 | UTSP C | CE04W10V-100M(UTSP) | 1 | 397531017T | |
| C1924 | UTSP C | CE04W10V-470M(UTSP) | 1 | 397534717T | |
| C1931 | VR C | CE04W16V-470M(VR) | 1 | 394644717T | |
| C1932 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1933 | UTSP C | CE04W10V-100M(UTSP) | 1 | 397531017T | |
| C1941 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1942 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1943 | C-CERA C | CK725B1A-105K1 | 1 | 332131055R1 | |
| C1944 | C-CERA C | CK725B1A-105K1 | 1 | 332131055R1 | |
| C1945 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C1946 | C-CERA C | CK725B1A-105K1 | 1 | 332131055R1 | |
| C1947 | C-CERA C | CK725B1A-105K1 | 1 | 332131055R1 | |
| C2008 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 | |
| C2012 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C2019 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2023 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2027 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 | |
| C2036 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C2037 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C2039 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2059 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2074 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2091 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2101 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2107 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2109 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2132 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2133 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C2134 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C2135 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C2136 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C2139 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C2141 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 | |
| C2142 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2143 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2219 | UTSP C | CE04W50V-4.7M(UTSP) | 1 | 397580477T | |
| C2401 | C-CERA C | CK725B1A-105K1 | 1 | 332131055R1 | |
| C2402 | C-CERA C | CK725B1A-105K1 | 1 | 332131055R1 | |
| C2403 | C-CERA C | CK725B1A-105K1 | 1 | 332131055R1 | |
| C2404 | C-CERA C | CK725B1A-105K1 | 1 | 332131055R1 | |
| C2405 | C-CERA C | CK725B1A-105K1 | 1 | 332131055R1 | |
| C2406 | C-CERA C | CK725B1A-105K1 | 1 | 332131055R1 | |
| C2501 | UTSP C | CE04W10V-100M(UTSP) | 1 | 397531017T | |
| C2502 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2601 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2602 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2603 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2604 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C2605 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C4001 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T | |
| C4002 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T | |
| C4003 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T | |

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| C4004 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4005 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4006 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4007 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4008 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4009 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4010 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
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| C4013 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C4014 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C4015 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C4016 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4017 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4018 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4019 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C4020 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C4021 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C4022 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4023 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4024 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4025 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4026 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4027 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C4103 | VR C | CE04W6.3V-220M(VR) | 1 | 394622217T |
| C4104 | VR C | CE04W6.3V-220M(VR) | 1 | 394622217T |
| C4105 | UTSP C | CE04W50V-22M(UTSP) | 1 | 397582207T |
| C4106 | VR C | CE04W6.3V-1000M(VR) | 1 | 394621027T |
| C4107 | UTSP C | CE04W50V-22M(UTSP) | 1 | 397582207T |
| C4108 | VR C | CE04W6.3V-1000M(VR) | 1 | 394621027T |
| C4110 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4111 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4112 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4114 | VR C | CE04W6.3V-470M(VR) | 1 | 394624717T |
| C4116 | VR C | CE04W6.3V-470M(VR) | 1 | 394624717T |
| C4118 | VR C | CE04W6.3V-470M(VR) | 1 | 394624717T |
| C4119 | VR C | CE04W6.3V-470M(VR) | 1 | 394624717T |
| C4121 | VR C | CE04W6.3V-470M(VR) | 1 | 394624717T |
| C4122 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4123 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C4124 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C4125 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4127 | VR C | CE04W6.3V-470M(VR) | 1 | 394624717T |
| C4129 | VR C | CE04W6.3V-470M(VR) | 1 | 394624717T |
| C4131 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4132 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4133 | VR C | CE04W6.3V-470M(VR) | 1 | 394624717T |
| C4134 | VR C | CE04W6.3V-470M(VR) | 1 | 394624717T |
| C4135 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4136 | UTSP C | CE04W50V-22M(UTSP) | 1 | 397582207T |
| C4137 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4138 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4139 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4140 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C4141 | UTSP C | CE04W25V-47M(UTSP) | 1 | 397554707T |
| C4142 | C-CERA C | CC725CH1H-181J1 | 1 | 342101814R1 |
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| C4144 | C-CERA C | CC725CH1H-181J1 | 1 | 342101814R1 |
| C4150 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
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| C4153 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
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| C4158 | C-CERA C | CC725CH1H-470J1 | 1 | 342104704R1 |
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| C4160 | C-CERA C | CC725CH1H-470J1 | 1 | 342104704R1 |
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| C4163 | C-CERA C | CC725CH1H-181J1 | 1 | 342101814R1 |
| C4166 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 |
| C4168 | C-CERA C | CC725CH1H-220J1 | 1 | 342102204R1 |
| C4242 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
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| C4244 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
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| C6641 | TF C | ECQ-B50V-103J | 1 | 374721034T |
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| C6651 | TF C | ECQ-B50V-102J | 1 | 374721024T |

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| C6652 | TF C | ECQ-B50V-102J | 1 | 374721024T | |
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| C6655 | TF C | ECQ-B50V-102J | 1 | 374721024T | |
| C6656 | TF C | ECQ-B50V-102J | 1 | 374721024T | |
| C9001 | VR C | CE04W63V-470M(VR) | 1 | 394674717S | |
| C9005 | UTSP C | CE04W50V 47M(UTSP) | 1 | 397584707T | |
| C9006 | C-CERA C | CK725F1H-223Z1 | 1 | 332152230R1 | |
| C9011 | VR C | CE04W16V-10000M(VR) | 1 | 394641037S | |
| C9012 | TF C | ECQ-V50V-334J | 1 | 374723344T | |
| C9013 | UTSP C | CE04W50V-3.3M(UTSP) | 1 | 397580337T | |
| C9021 | VR C | CE04W16V-470M(VR) | 1 | 394644717T | |
| C9023 | UTSP C | CE04W10V-470M(UTSP) | 1 | 397534717T | |
| C9024 | C-CERA C | CK725F1H-223Z1 | 1 | 332152230R1 | |
| C9025 | UTSP C | CE04W10V-470M(UTSP) | 1 | 397534717T | |
| C9033 | UTSP C | CE04W10V-470M(UTSP) | 1 | 397534717T | |
| C9035 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C9036 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
| C9101 | VR C | CE04W16V-100M(VR) | 1 | 394641017T | |
| C9102 | VR C | CE04W16V-100M(VR) | 1 | 394641017T | |
| C9221 | VR C | CE04W16V-470M(VR) | 1 | 394644717T | |
| C9223 | UTSP C | CE04W10V-470M(UTSP) | 1 | 397534717T | |
| C9235 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 | |
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| R1002 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
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| R1620 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R1621 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R1622 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R1623 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 | |
| R1624 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 | |
| R1625 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R1626 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R1627 | C-CARBON R | RN72K1J-181JE | 1 | 435031814R1 | |
| R1628 | C-CARBON R | RN72K1J-181JE | 1 | 435031814R1 | |
| R1629 | C-CARBON R | RN72K1J-152JE | 1 | 435031524R1 | |
| R1630 | C-CARBON R | RN72K1J-152JE | 1 | 435031524R1 | |
| R1631 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 | |
| R1632 | C-CARBON R | RN72K1J-123JE | 1 | 435031234R1 | |
| R1633 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R1634 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R1701 | METAL O R | RS1/2WBJ-68 | 1 | 443526804T | |
| R1702 | METAL O R | RS1/2WBJ-68 | 1 | 443526804T | |
| R1703 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
| R1704 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 | |
| R1705 | C-CARBON R | RN72K1J-563JE | 1 | 435035634R1 | |
| R1706 | C-CARBON R | RN72K1J-563JE | 1 | 435035634R1 | |
| R1707 | C-CARBON R | RN72K1J-474JE | 1 | 435034744R1 | |
| R1708 | C-CARBON R | RN72K1J-474JE | 1 | 435034744R1 | |
| R1709 | C-CARBON R | RN72K1J-561JE | 1 | 435035614R1 | |
| R1710 | C-CARBON R | RN72K1J-561JE | 1 | 435035614R1 | |
| R1711 | C-CARBON R | RN72K1J-274JE | 1 | 435032744R1 | |
| R1712 | C-CARBON R | RN72K1J-274JE | 1 | 435032744R1 | |
| R1713 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R1714 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R1715 | C-CARBON R | RN72K1J-122JE | 1 | 435031224R1 | |
| R1716 | C-CARBON R | RN72K1J-122JE | 1 | 435031224R1 | |
| R1717 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R1718 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R1801 | METAL O R | RS1/2WBJ-10 | 1 | 443521004T | <SR705> |
| R1906 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R1921 | C-CARBON R | RN72K1J-271JE | 1 | 435032714R1 | |
| R1941 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R1942 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R1943 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2001 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2002 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2003 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2004 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 | |
| R2005 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2006 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 | |
| R2007 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2008 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 | |
| R2009 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 | |
| R2010 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 | |
| R2011 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 | |
| R2012 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 | |
| R2013 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 | |

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| R2126 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2127 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 | |
| R2128 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 | |
| R2129 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2131 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2133 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2134 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2135 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2136 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2137 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 | |
| R2138 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2139 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2141 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 | |
| R2144 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 | |
| R2200 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2206 | C-CARBON R | RN72K1J-273JE | 1 | 435032734R1 | |
| R2209 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2210 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2211 | C-CARBON R | RN72K1J-273JE | 1 | 435032734R1 | |
| R2212 | C-CARBON R | RN72K1J-273JE | 1 | 435032734R1 | |
| R2214 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2216 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2217 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2218 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2219 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 | |
| R2223 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2224 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2225 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R2226 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R2233 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2236 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R2237 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R2240 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2248 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2249 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2250 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2251 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2279 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2281 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2283 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2286 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2287 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2288 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2296 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2307 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2309 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2310 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R2311 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R2312 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R2313 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | <SR705> |
| R2314 | C-CARBON R | RN72K1J-121JE | 1 | 435031214R1 | |
| R2319 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2320 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2323 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2324 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2327 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2328 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2333 | C-CARBON R | RN72K1J-272JE | 1 | 435032724R1 | |
| R2334 | C-CARBON R | RN72K1J-272JE | 1 | 435032724R1 | |
| R2335 | C-CARBON R | RN72K1J-272JE | 1 | 435032724R1 | |
| R2336 | C-CARBON R | RN72K1J-272JE | 1 | 435032724R1 | |
| R2337 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2339 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R2341 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R2344 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2401 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R2402 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 | |
| R2403 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R2404 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 | |
| R2405 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 | |
| R2406 | C-CARBON R | RN72K1J-681JE | 1 | 435036814R1 | |
| R2407 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2408 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R2409 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R2411 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R2412 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 | |
| R2413 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2414 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 | |
| R2421 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R2501 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2502 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 | |
| R2701 | C-CARBON R | RN72K1J-273JE | 1 | 435032734R1 | |
| R2702 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R2703 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 | |
| R2704 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 | |
| R4001 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4002 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4003 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4004 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |

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|-------|------------|----------------|---|-------------|-------------------------------------|
| R4005 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4006 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4007 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4008 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4009 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4010 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4011 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4012 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4016 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4017 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4018 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4019 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4020 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4021 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4022 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4023 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4024 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4025 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4026 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4027 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4028 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4029 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4030 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4136 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 | |
| R4145 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4150 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4151 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4152 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4153 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4154 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4155 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4156 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4157 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4158 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4201 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4202 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4203 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4204 | C-CARBON R | RN72K1J-104JE | 1 | 435031044R1 | |
| R4205 | C-CARBON R | RN72K1J-104JE | 1 | 435031044R1 | |
| R4206 | C-CARBON R | RN72K1J-104JE | 1 | 435031044R1 | |
| R4210 | C-CARBON R | RN72K1J-104JE | 1 | 435031044R1 | |
| R4211 | C-CARBON R | RN72K1J-104JE | 1 | 435031044R1 | |
| R4212 | C-CARBON R | RN72K1J-104JE | 1 | 435031044R1 | |
| R4213 | C-CARBON R | RN72K1J-104JE | 1 | 435031044R1 | |
| R4214 | C-CARBON R | RN72K1J-104JE | 1 | 435031044R1 | |
| R4215 | C-CARBON R | RN72K1J-104JE | 1 | 435031044R1 | |
| R4221 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4225 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R4226 | C-CARBON R | RN72K2E-022JE | 1 | 435220224R1 | |
| R4227 | C-CARBON R | RN72K2E-022JE | 1 | 435220224R1 | |
| R4228 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4229 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R4230 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 | |
| R6600 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6601 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6602 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6603 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6604 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6605 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6606 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6610 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6611 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6612 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6613 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6614 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6615 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6616 | C-CARBON R | RN72K2E-220JE | 1 | 435222204R1 | <DT, MP, MA, MO, MK, MQ, MT, SA705> |
| R6690 | METAL R | RNU1/2WCJ-3.9 | 1 | 453530394T | |
| R6691 | METAL O R | RS1/2WBJ-390 | 1 | 443523914T | |
| R6992 | METAL O R | RS1/2WBJ-390 | 1 | 443523914T | |
| R9003 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 | |
| R9004 | C-CARBON R | RN72K1J-333JE | 1 | 435033334R1 | |
| R9005 | METAL R | RNU1/4WJ-22 | 1 | 4500183T | |
| R9006 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 | |
| R9008 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 | |
| R9010 | METAL O R | RS1/2WBJ-22 | 1 | 443522204T | |
| R9011 | METAL R | RNU1/2WCJ-4.7 | 1 | 453530474T | |
| R9012 | C-CARBON R | RN72K1J-010JE | 1 | 435030104R1 | |
| R9013 | C-CARBON R | RN72K1J-010JE | 1 | 435030104R1 | |
| R9014 | C-CARBON R | RN72K1J-104JE | 1 | 435031044R1 | |
| R9017 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 | |
| R9020 | C-CARBON R | RN72K1J-682JE | 1 | 435036824R1 | |
| R9021 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 | |
| R9022 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 | |
| R9024 | C-CARBON R | RN72K1J-152JE | 1 | 435031524R1 | |
| R9028 | METAL R | RNU1/2WCJ-0.47 | 1 | 453534794T | |
| R9029 | METAL R | RNU1/2WCJ-0.22 | 1 | 453532294T | |
| R9030 | METAL R | RNU1/2WCJ-0.22 | 1 | 453532294T | |
| R9036 | METAL R | RNU1/2WCJ-0.47 | 1 | 453534794T | <DC> |

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| R9040 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 | |
| R9041 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 | |
| R9042 | C-CARBON R | RN72K1J-562JE | 1 | 435035624R1 | |
| R9043 | C-CARBON R | RN72K1J-823JE | 1 | 435038234R1 | |
| R9101 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R9102 | C-CARBON R | RN72K1J-272JE | 1 | 435032724R1 | |
| R9103 | C-CARBON R | RN72K1J-471JE | 1 | 435034714R1 | |
| R9104 | METAL R | RNU1/2WCJ-3.3 | 1 | 453530334T | |
| R9105 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 | |
| R9106 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 | |
| R9107 | C-CARBON R | RN72K1J-182JE | 1 | 435031824R1 | |
| R9108 | C-CARBON R | RN72K1J-471JE | 1 | 435034714R1 | |
| R9109 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 | |
| R9110 | C-CARBON R | RN72K1J-272JE | 1 | 435032724R1 | |
| R9111 | C-CARBON R | RN72K1J-182JE | 1 | 435031824R1 | |
| R9112 | C-CARBON R | RN72K1J-562JE | 1 | 435035624R1 | |
| R9228 | METAL R | RNU1/2WCJ-0.47 | 1 | 453534794T | |
| RL6600 | RELAY | NRL-2P5A-DC24-158 | 1 | 25065618 | |
| RL6602 | RELAY | NRL-2P5A-DC24-158 | 1 | 25065618 | |
| RL6603 | RELAY | NRL-2P5A-DC24-158 | 1 | 25065618 | |
| RL6605 | RELAY | NRL-2P5A-DC24-158 | 1 | 25065618 | |
| RL6607 | RELAY | NRL-2P5A-DC24-158 | 1 | 25065618 | |
| E101 | TRM(SCREW) | NEJITANSI M3 | 1 | 25065425 | <DC> |
| E102 | TRM(SCREW) | NEJITANSI M3 | 1 | 25065425 | <DC> |
| E122A | RETAINER | (XM) | 1 | 27142048 | <DC> |
| E4001 | TRM(SCREW) | NEJITANSI M3 | 1 | 25065425 | |
| J001 | PVC | ULPVC600V1015#18 L=120mm | 1 | 72150120303 | |
| J002 | PVC | ULPVC600V1015#18 L=70mm | 1 | 72150070303 | |
| J004 | PVC | #18 1015 BLACKL=100mm | 1 | 72150100303 | |
| JL102A | WIRE HOL | NSCT-10P881 | 1 | 25051094 | <DC> |
| JL102B | WIRE TRAP | NPLG-10P593 | 1 | 25055631 | <DC> |
| JL5502A | WIRE TRAP | NPLG-7P590 | 1 | 25055628 | <DC> |
| JL6018B | WIRE TRAP | NPLG-4P587 | 1 | 25055625 | |
| JL6402B | WIRE TRAP | NPLG-3P586 | 1 | 25055624 | |
| JL6600B | SOCKET | NSCT-7P99 | 1 | 25050271 | |
| JL6603B | SOCKET | NSCT-9P101 | 1 | 25050273 | |
| JL6604B | SOCKET | NSCT-4P96 | 1 | 25050268 | |
| JL6605B | SOCKET | NSCT-5P97 | 1 | 25050269 | |
| JL801A | WIRE HOL | NSCT-8P879 | 1 | 25051092 | |
| JL901B | WIRE TRAP | NPLG-5P588 | 1 | 25055626 | |
| JL9101B | SOCKET | NSCT-6P98 | 1 | 25050270 | |
| P101A | SOCKET | NSCT-13P2106 | 1 | 25052209 | <SR705> |
| P121 | SOCKET | YKF51-5397N | 1 | 25053201 | <DC> |
| P122 | SOCKET | CAM-C16 | 1 | 25053104R2 | <DC> |
| P1701 | PIN JACK | NPJ-2PDR446 | 1 | 25045641 | |
| P2004A | PLUG | IMSAS-9163B-10G | 1 | 25056587A | |
| P2004B | SOCKET | IMSAS-9163S-10A | 1 | 25053107 | |
| P2005A | PLUG | IMSAS-9163B-16G | 1 | 25056588A | |
| P2005B | SOCKET | IMSAS-9163S-16A | 1 | 25053108 | |
| P2006A | PLUG | IMSAS-9163B-04G | 1 | 25056586A | |
| P2006B | SOCKET | IMSAS-9163S-04A | 1 | 25053106 | |
| P2007A | PLUG | IMSAS-9163B-10G | 1 | 25056587A | |
| P2007B | SOCKET | IMSAS-9163S-10A | 1 | 25053107 | |
| P301 | SOCKET | NSCT-8P2188 | 1 | 25052291 | |
| P302 | SOCKET | NSCT-14P2194 | 1 | 25052297 | |
| P303 | SOCKET | NSCT-17P2197 | 1 | 25052300 | |
| P304 | SOCKET | NSCT-3P2183 | 1 | 25052286 | |
| P3801A | PLUG | NPLG-20P668 | 1 | 25055712 | |
| P3802A | PLUG | NPLG-20P668 | 1 | 25055712 | |
| P3803A | PLUG | NPLG-5P657 | 1 | 25055701 | |
| P4001 | PIN JACK | NPJ-6PDGLRGLR646 | 1 | 25045871 | |
| P4002 | PIN JACK | NPJ-6PDGLRGLR646 | 1 | 25045871 | |
| P4003 | PIN JACK | NPJ-5PDBY622 | 1 | 25045843 | |
| P4004 | PIN JACK | NPJ-10PDBY621 | 1 | 25045842 | |
| P4005 | PIN JACK | NPJ-10PDBY621 | 1 | 25045842 | |
| P4006 | PIN JACK | NPJ-5PDBY622 | 1 | 25045843 | |
| P4008B | SOCKET | NSCT-23P2116 | 1 | 25052219 | |
| P6019B | PLUG | NPLG-3P131 | 1 | 25055147 | |
| P6601 | TRM | NTM-6PDMCWRG410 | 1 | 25060482 | |
| P6602 | TRM | NTM-8PDMCNTLE411 | 1 | 25060483 | |
| P701A | SOCKET | 52492-3620 | 1 | 25053110 | |
| P7303A | PLUG | NPLG-2P130 | 1 | 25055146 | |
| P751A | SOCKET | NSCT-9P2427 | 1 | 25052530 | |
| P802A | SOCKET AS | NSAS-26P1699 | 1 | 2002A392620UL | |
| P9102 | PLUG | NPLG-2P83 | 1 | 25055099 | |
| P9103 | PLUG | NPLG-2P83 | 1 | 25055099 | |

U22 DRIVER AMPLIFIER PC BOARD (NAAF-8917-3A)

U23 SPEAKER TERMINAL PC BOARD (NAETC-8918-3A)

| CIRCUIT NO. | PART NAME | DESCRIPTION | Q'TY | PART NO. (SN) | REMARKS |
|-------------|-----------|--------------------|------|---------------|---------|
| Q5000 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T | |
| Q5001 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T | |
| Q5002 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T | |
| Q5003 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T | |
| Q5004 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T | |
| Q5005 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T | |
| Q5006 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T | |
| Q5010 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T | |

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|----------|---------|---------------------|-----|------------|
| Q5011 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5012 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5013 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5014 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5015 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5016 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5030 | TR | 2SA1360-Y | 1 | 2202094 |
| Q5031 | TR | 2SA1360-Y | 1 | 2202094 |
| Q5032 | TR | 2SA1360-Y | 1 | 2202094 |
| Q5033 | TR | 2SA949-Y(TPE6_F) | 1 | 2211354T |
| Q5034 | TR | 2SA949-Y(TPE6_F) | 1 | 2211354T |
| Q5035 | TR | 2SA949-Y(TPE6_F) | 1 | 2211354T |
| Q5036 | TR | 2SA949-Y(TPE6_F) | 1 | 2211354T |
| Q5040 | TR | 2SC3423-Y | 1 | 2202104 |
| Q5041 | TR | 2SC3423-Y | 1 | 2202104 |
| Q5042 | TR | 2SC3423-Y | 1 | 2202104 |
| Q5043 | TR | 2SC2229-Y(TPE6_F) | 1 | 2211634T |
| Q5044 | TR | 2SC2229-Y(TPE6_F) | 1 | 2211634T |
| Q5045 | TR | 2SC2229-Y(TPE6_F) | 1 | 2211634T |
| Q5046 | TR | 2SC2229-Y(TPE6_F) | 1 | 2211634T |
| Q5050 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5050 or | TR | 2SC2240-GR | (1) | 2211405T |
| Q5051 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5051 or | TR | 2SC2240-GR | (1) | 2211405T |
| Q5052 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5052 or | TR | 2SC2240-GR | (1) | 2211405T |
| Q5053 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5053 or | TR | 2SC2240-GR | (1) | 2211405T |
| Q5054 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5054 or | TR | 2SC2240-GR | (1) | 2211405T |
| Q5055 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5055 or | TR | 2SC2240-GR | (1) | 2211405T |
| Q5056 | TR | 2SC2240-BL(TPE2_F) | 1 | 2211406T |
| Q5056 or | TR | 2SC2240-GR | (1) | 2211405T |
| D5000 | ZENER D | DZ-5.6BSC | 1 | 224850563T |
| D5000 or | ZENER D | MTZJ5.6B | (1) | 224470562T |
| D5001 | ZENER D | DZ-5.6BSC | 1 | 224850563T |
| D5001 or | ZENER D | MTZJ5.6B | (1) | 224470562T |
| D5002 | ZENER D | DZ-5.6BSC | 1 | 224850563T |
| D5002 or | ZENER D | MTZJ5.6B | (1) | 224470562T |
| D5003 | ZENER D | DZ-5.6BSC | 1 | 224850563T |
| D5003 or | ZENER D | MTZJ5.6B | (1) | 224470562T |
| D5004 | ZENER D | DZ-5.6BSC | 1 | 224850563T |
| D5004 or | ZENER D | MTZJ5.6B | (1) | 224470562T |
| D5005 | ZENER D | DZ-5.6BSC | 1 | 224850563T |
| D5005 or | ZENER D | MTZJ5.6B | (1) | 224470562T |
| D5006 | ZENER D | DZ-5.6BSC | 1 | 224850563T |
| D5006 or | ZENER D | MTZJ5.6B | (1) | 224470562T |
| C5000 | TF C | ECQ-B50V-331K | 1 | 374723315T |
| C5001 | TF C | ECQ-B50V-331K | 1 | 374723315T |
| C5002 | TF C | ECQ-B50V-331K | 1 | 374723315T |
| C5003 | TF C | ECQ-B50V-331K | 1 | 374723315T |
| C5004 | TF C | ECQ-B50V-331K | 1 | 374723315T |
| C5005 | TF C | ECQ-B50V-331K | 1 | 374723315T |
| C5006 | TF C | ECQ-B50V-331K | 1 | 374723315T |
| C5010 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5011 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5012 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5013 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5014 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5015 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5016 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5020 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C5021 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C5022 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C5023 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C5024 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C5025 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C5026 | UTSP C | CE04W50V-10M(UTSP) | 1 | 397581007T |
| C5040 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5041 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5042 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5043 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5044 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5045 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5046 | UTSP C | CE04W25V-220M(UTSP) | 1 | 397552217T |
| C5050 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5051 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5052 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5053 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5054 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5055 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5056 | UTSP C | CE04W50V-47M(UTSP) | 1 | 397584707T |
| C5080 | CERA C | CC45SL50V-040D | 1 | 345020402T |
| C5081 | CERA C | CC45SL50V-040D | 1 | 345020402T |
| C5082 | CERA C | CC45SL50V-040D | 1 | 345020402T |
| C5083 | CERA C | CC45SL50V-040D | 1 | 345020402T |
| C5084 | CERA C | CC45SL50V-040D | 1 | 345020402T |
| C5085 | CERA C | CC45SL50V-040D | 1 | 345020402T |

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|-------|----------|-------------------|---|------------|
| C5086 | CERA C | CC45SL50V-040D | 1 | 345020402T |
| C5090 | TF C | ECQ-B50V-101K | 1 | 374721015T |
| C5091 | TF C | ECQ-B50V-101K | 1 | 374721015T |
| C5092 | TF C | ECQ-B50V-101K | 1 | 374721015T |
| C5093 | TF C | ECQ-B50V-101K | 1 | 374721015T |
| C5094 | TF C | ECQ-B50V-101K | 1 | 374721015T |
| C5095 | TF C | ECQ-B50V-101K | 1 | 374721015T |
| C5096 | TF C | ECQ-B50V-101K | 1 | 374721015T |
| C5100 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5101 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5102 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5103 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5104 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5105 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5106 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5110 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5111 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5112 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5113 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5114 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5115 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C5116 | VR C | CE04W100V-22M(VR) | 1 | 394692207T |
| C6647 | TF C | ECQ-B50V-103J | 1 | 374721034T |
| C6648 | TF C | ECQ-B50V-103J | 1 | 374721034T |
| C6657 | TF C | ECQ-B50V-102J | 1 | 374721024T |
| C6658 | TF C | ECQ-B50V-102J | 1 | 374721024T |
| R5000 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R5001 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R5002 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R5003 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R5004 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R5005 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R5006 | CARBON R | R16J-3.3K | 1 | 417343324T |
| R5010 | CARBON R | R16J-56K | 1 | 417345634T |
| R5011 | CARBON R | R16J-56K | 1 | 417345634T |
| R5012 | CARBON R | R16J-56K | 1 | 417345634T |
| R5013 | CARBON R | R16J-56K | 1 | 417345634T |
| R5014 | CARBON R | R16J-56K | 1 | 417345634T |
| R5015 | CARBON R | R16J-56K | 1 | 417345634T |
| R5016 | CARBON R | R16J-56K | 1 | 417345634T |
| R5020 | CARBON R | R16J-330 | 1 | 417343314T |
| R5021 | CARBON R | R16J-330 | 1 | 417343314T |
| R5022 | CARBON R | R16J-330 | 1 | 417343314T |
| R5023 | CARBON R | R16J-330 | 1 | 417343314T |
| R5024 | CARBON R | R16J-330 | 1 | 417343314T |
| R5025 | CARBON R | R16J-330 | 1 | 417343314T |
| R5026 | CARBON R | R16J-330 | 1 | 417343314T |
| R5030 | CARBON R | R16J-120K | 1 | 417341244T |
| R5031 | CARBON R | R16J-120K | 1 | 417341244T |
| R5032 | CARBON R | R16J-120K | 1 | 417341244T |
| R5033 | CARBON R | R16J-120K | 1 | 417341244T |
| R5034 | CARBON R | R16J-120K | 1 | 417341244T |
| R5035 | CARBON R | R16J-120K | 1 | 417341244T |
| R5036 | CARBON R | R16J-120K | 1 | 417341244T |
| R5040 | CARBON R | R16J-2.2K | 1 | 417342224T |
| R5041 | CARBON R | R16J-2.2K | 1 | 417342224T |
| R5042 | CARBON R | R16J-2.2K | 1 | 417342224T |
| R5043 | CARBON R | R16J-2.2K | 1 | 417342224T |
| R5044 | CARBON R | R16J-2.2K | 1 | 417342224T |
| R5045 | CARBON R | R16J-2.2K | 1 | 417342224T |
| R5046 | CARBON R | R16J-2.2K | 1 | 417342224T |
| R5050 | CARBON R | R16J-4.7K | 1 | 417344724T |
| R5051 | CARBON R | R16J-4.7K | 1 | 417344724T |
| R5052 | CARBON R | R16J-4.7K | 1 | 417344724T |
| R5053 | CARBON R | R16J-4.7K | 1 | 417344724T |
| R5054 | CARBON R | R16J-4.7K | 1 | 417344724T |
| R5055 | CARBON R | R16J-4.7K | 1 | 417344724T |
| R5056 | CARBON R | R16J-4.7K | 1 | 417344724T |
| R5060 | CARBON R | R16J-1.2K | 1 | 417341224T |
| R5061 | CARBON R | R16J-1.2K | 1 | 417341224T |
| R5062 | CARBON R | R16J-1.2K | 1 | 417341224T |
| R5063 | CARBON R | R16J-1.2K | 1 | 417341224T |
| R5064 | CARBON R | R16J-1.2K | 1 | 417341224T |
| R5065 | CARBON R | R16J-1.2K | 1 | 417341224T |
| R5066 | CARBON R | R16J-1.2K | 1 | 417341224T |
| R5080 | CARBON R | R16J-470 | 1 | 417344714T |
| R5081 | CARBON R | R16J-470 | 1 | 417344714T |
| R5082 | CARBON R | R16J-470 | 1 | 417344714T |
| R5083 | CARBON R | R16J-470 | 1 | 417344714T |
| R5084 | CARBON R | R16J-470 | 1 | 417344714T |
| R5085 | CARBON R | R16J-470 | 1 | 417344714T |
| R5086 | CARBON R | R16J-470 | 1 | 417344714T |
| R5090 | CARBON R | R16J-100K | 1 | 417341044T |
| R5091 | CARBON R | R16J-100K | 1 | 417341044T |
| R5092 | CARBON R | R16J-100K | 1 | 417341044T |
| R5093 | CARBON R | R16J-100K | 1 | 417341044T |
| R5094 | CARBON R | R16J-100K | 1 | 417341044T |
| R5095 | CARBON R | R16J-100K | 1 | 417341044T |
| R5096 | CARBON R | R16J-100K | 1 | 417341044T |

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|---------|-------------|------------------|---|------------|--|
| R5100 | CARBON R | R16J-100K | 1 | 417341044T | |
| R5101 | CARBON R | R16J-100K | 1 | 417341044T | |
| R5102 | CARBON R | R16J-100K | 1 | 417341044T | |
| R5103 | CARBON R | R16J-100K | 1 | 417341044T | |
| R5104 | CARBON R | R16J-100K | 1 | 417341044T | |
| R5105 | CARBON R | R16J-100K | 1 | 417341044T | |
| R5106 | CARBON R | R16J-100K | 1 | 417341044T | |
| R5110 | CARBON R | R16J-1K | 1 | 417341024T | |
| R5111 | CARBON R | R16J-1K | 1 | 417341024T | |
| R5112 | CARBON R | R16J-1K | 1 | 417341024T | |
| R5113 | CARBON R | R16J-1K | 1 | 417341024T | |
| R5114 | CARBON R | R16J-1K | 1 | 417341024T | |
| R5115 | CARBON R | R16J-1K | 1 | 417341024T | |
| R5116 | CARBON R | R16J-1K | 1 | 417341024T | |
| R5130 | CARBON R | R16J-18K | 1 | 417341834T | |
| R5131 | CARBON R | R16J-18K | 1 | 417341834T | |
| R5132 | CARBON R | R16J-18K | 1 | 417341834T | |
| R5133 | CARBON R | R16J-22K | 1 | 417342234T | |
| R5134 | CARBON R | R16J-22K | 1 | 417342234T | |
| R5135 | CARBON R | R16J-22K | 1 | 417342234T | |
| R5136 | CARBON R | R16J-22K | 1 | 417342234T | |
| R5160 | NF CARBON R | R25J-100 | 1 | 415471014T | |
| R5161 | NF CARBON R | R25J-100 | 1 | 415471014T | |
| R5162 | NF CARBON R | R25J-100 | 1 | 415471014T | |
| R5163 | NF CARBON R | R25J-120 | 1 | 415471214T | |
| R5164 | NF CARBON R | R25J-120 | 1 | 415471214T | |
| R5165 | NF CARBON R | R25J-120 | 1 | 415471214T | |
| R5166 | NF CARBON R | R25J-120 | 1 | 415471214T | |
| R5170 | NF CARBON R | R25J-100 | 1 | 415471014T | |
| R5171 | NF CARBON R | R25J-100 | 1 | 415471014T | |
| R5172 | NF CARBON R | R25J-100 | 1 | 415471014T | |
| R5173 | NF CARBON R | R25J-120 | 1 | 415471214T | |
| R5174 | NF CARBON R | R25J-120 | 1 | 415471214T | |
| R5175 | NF CARBON R | R25J-120 | 1 | 415471214T | |
| R5176 | NF CARBON R | R25J-120 | 1 | 415471214T | |
| R5180 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5181 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5182 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5183 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5184 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5185 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5186 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5190 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5191 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5192 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5193 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5194 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5195 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5196 | NF CARBON R | R25J-10 | 1 | 415471004T | |
| R5200 | CARBON R | R16J-18K | 1 | 417341834T | |
| R5201 | CARBON R | R16J-18K | 1 | 417341834T | |
| R5202 | CARBON R | R16J-18K | 1 | 417341834T | |
| R5203 | CARBON R | R16J-22K | 1 | 417342234T | |
| R5204 | CARBON R | R16J-22K | 1 | 417342234T | |
| R5205 | CARBON R | R16J-22K | 1 | 417342234T | |
| R5206 | CARBON R | R16J-22K | 1 | 417342234T | |
| R5230 | CARBON R | R16J-120K | 1 | 417341244T | |
| R5231 | CARBON R | R16J-120K | 1 | 417341244T | |
| R5232 | CARBON R | R16J-120K | 1 | 417341244T | |
| R5233 | CARBON R | R16J-120K | 1 | 417341244T | |
| R5234 | CARBON R | R16J-120K | 1 | 417341244T | |
| R5235 | CARBON R | R16J-120K | 1 | 417341244T | |
| R5236 | CARBON R | R16J-120K | 1 | 417341244T | |
| JL6604A | WIRE HOL | NSCT-4P895 | 1 | 25051108 | |
| P5019 | TRM | NTM-1P233(M1969) | 1 | 25060302 | |
| P5504A | PLUG | NPLG-13P141 | 1 | 25055157 | |
| P6000A | SOCKET | NSCT-5P2185 | 1 | 25052288 | |
| P6001A | SOCKET | NSCT-5P2185 | 1 | 25052288 | |
| P6002A | SOCKET | NSCT-5P2185 | 1 | 25052288 | |
| P6003A | SOCKET | NSCT-5P2185 | 1 | 25052288 | |
| P6004A | SOCKET | NSCT-5P2185 | 1 | 25052288 | |
| P6005A | SOCKET | NSCT-5P2185 | 1 | 25052288 | |
| P6006A | SOCKET | NSCT-5P2185 | 1 | 25052288 | |
| P6011B | RETAINER | (BUS-U) | 1 | 27141859 | |
| P6607 | TRM | NTM-4PDMCWR409 | 1 | 25060481 | |

U24 DSP AND HDMI PC BOARD(NAHDM-9265-1A)

| CIRCUIT NO. | PART NAME | DESCRIPTION | Q'TY | PART NO. (SN) | REMARKS |
|-------------|-----------|--------------------|------|----------------|---------|
| Q1021 | IC | TC7WU04FU(TB12L_F) | 1 | 22240935R2 | |
| Q3001 | IC | SI8008TM | 1 | 22242323R2 | |
| Q3011 | IC | SI8008TM | 1 | 22242323R2 | |
| Q3021 | IC | SI8008TM | 1 | 22242323R2 | |
| Q3202 | IC | BD7820 | 1 | 22242300R2 | |
| Q3301 | IC | TC74VHC157FT | 1 | 22274157ER2TO | |
| Q3311 | IC | TC74VHC157FT | 1 | 22274157ER2TO | |
| Q3391 | IC | TC74VHCT08AFT | 1 | 22274008GR2TO | |
| Q3391 or | IC | TC74VHCT08AFT EKJ) | (1) | 22274008G1R2TO | |
| Q3401 | IC | D790E001BZDH275 | 1 | --- | NRP |

| | | | | | |
|----------|----------|------------------------|-----|----------------|-----|
| Q3401 or | IC | D710E001BZDH275 | (1) | --- | NRP |
| Q3451 | IC | ES29LV160ET-70TG | 1 | 222W0069R3 | |
| Q3451 or | IC | S29AL016D70TFI010 | (1) | 222W0063R3 | |
| Q3461 | IC | IC42S16100 | 1 | 22242123R2 | |
| Q3461 or | IC | M12L16161A-7TG | (1) | 22242278R3 | |
| Q3461 or | IC | RMS116T(LF) | (1) | 22242340R3 | |
| Q3471 | IC | IC42S16100 | 1 | 22242123R2 | |
| Q3471 or | IC | M12L16161A-7TG | (1) | 22242278R3 | |
| Q3481 | IC | TC7WU04FU(TE12L_F) | 1 | 22240935R2 | |
| Q3491 | IC | TC74VHC541FT | 1 | 22274541ER2TO | |
| Q3491 or | IC | TC74VHC541FT(EKJ) | (1) | 22274541E1R2TO | |
| Q3501 | IC | D788E001BRFP266 | 1 | --- | NRP |
| Q3501 or | IC | D708E001BRFP266 | 1 | --- | NRP |
| Q3551 | IC | ES29LV400ET-70TG | 1 | 222W0065R3 | |
| Q3551 or | IC | ES29LV400 | (1) | 222W0045R3 | |
| Q3551 or | IC | S29AL004D70TFI010 | (1) | 222W0061R3 | |
| Q3561 | IC | IC42S16100 | 1 | 22242123R2 | |
| Q3561 or | IC | M12L16161A-7TG | (1) | 22242278R3 | |
| Q3561 or | IC | RMS116T(LF) | (1) | 22242340R3 | |
| Q3571 | IC | TC7WU04FU(TE12L_F) | 1 | 22240935R2 | |
| Q3601 | IC | D707E001BRFP250 | 1 | --- | NRP |
| Q3651 | IC | S29AL008D70TFI010 | 1 | 222W0062R3 | |
| Q3651 or | IC | ES29LV800ET-70TG | (1) | 222W0068R3 | |
| Q3661 | IC | IS42S16400D-7TL | 1 | 22241910R2 | |
| Q3661 or | IC | M12L64164A-7TG | (1) | 22242441R3 | |
| Q3772 | IC | BD7820 | 1 | 22242300R2 | |
| Q3773 | IC | BD7820 | 1 | 22242300R2 | |
| Q3931 | IC | 74HCU04(TC74HCU04F) | 1 | 222740046R2TO | |
| Q8001 | IC | FL18125-LF-BC | 1 | 22242389R3 | |
| Q8002 | IC | TC74VCX162244FT(EL_F) | 1 | 2227C244DR2TO | |
| Q8003 | IC | TC74VCX162244FT(EL_F) | 1 | 2227C244DR2TO | |
| Q8004 | IC | BA18BC0FP | 1 | 22278018DR2RH | |
| Q8004 or | IC | TA48018AF(TE16L_NQ) | (1) | 22278018DR2TO | |
| Q8004 or | IC | UPC2918T-E1-AZ | (1) | 22278018ER2NE | |
| Q8005 | IC | BA33BC0FP | 1 | 22278033DR2RH | |
| Q8006 | IC | SI8008TM | 1 | 22242323R2 | |
| Q8010 | IC | S-24CS16A0I-J8V1G | 1 | 22242326R2 | |
| Q8011 | IC | SST25VF080B-50-4C-S2AF | 1 | 222W0064R2 | |
| Q8021 | TR | RN2402 | 1 | 2214530R2 | |
| Q8022 | TR | 2SA1162-GR | 1 | 2214375R2 | |
| Q8101 | IC | AD8196 | 1 | --- | NRP |
| Q8151 | IC | BA33BC0FP | 1 | 22278033DR2RH | |
| Q8204 | TR | DTA144EE | 1 | 2216380R2 | |
| Q8206 | TR | DTC144EE | 1 | 2216390R2 | |
| Q8207 | TR | 2SK3019 | 1 | 2216520R2 | |
| Q8208 | IC | SN74CB3T3306DCT | 1 | 22242454R2 | |
| Q8210 | IC | S-24CS02AFT-V-G | 1 | 22242360R2 | |
| Q8210 or | IC | BR24L02FV-W | (1) | 22242069R2 | |
| Q8305 | IC | S-812C50BUC-C5ET2G | 1 | 22242407R2 | |
| Q8306 | IC | TC7SZ08FU(TE85L_F) | 1 | 22242071R2TO | |
| Q8309 | TR ARRAY | UM6K1N | 1 | 226066R2 | |
| Q8309 or | TR ARRAY | UPA672T | (1) | 226067R2 | |
| Q8401 | IC | SI19134CTU | 1 | 22242394R3 | |
| Q8404 | IC | XC6213B182MR | 1 | 22242443R2 | |
| Q8405 | IC | SN74CB3Q3305PWR | 1 | 22242258R2 | |
| Q8501 | IC | SI19135CTU | 1 | --- | NRP |
| Q8504 | TR | DTA144EE | 1 | 2216380R2 | |
| Q8506 | TR | DTC144EE | 1 | 2216390R2 | |
| Q8507 | TR | 2SK3019 | 1 | 2216520R2 | |
| Q8508 | IC | SN74CB3T3306DCT | 1 | 22242454R2 | |
| Q8510 | IC | S-24CS02AFT-V-G | 1 | 22242360R2 | |
| Q8510 or | IC | BR24L02FV-W | (1) | 22242069R2 | |
| Q8592 | IC | SI8008TM | 1 | 22242323R2 | |
| Q8593 | IC | SI8008TM | 1 | 22242323R2 | |
| Q8595 | IC | BA18BC0FP | 1 | 22278018DR2RH | |
| Q8595 or | IC | TA48018AF(TE16L_NQ) | (1) | 22278018DR2TO | |
| Q8595 or | IC | UPC2918T-E1-AZ | (1) | 22278018ER2NE | |
| Q8604 | TR | DTA144EE | 1 | 2216380R2 | |
| Q8606 | TR | DTC144EE | 1 | 2216390R2 | |
| Q8607 | TR | 2SK3019 | 1 | 2216520R2 | |
| Q8608 | IC | SN74CB3T3306DCT | 1 | 22242454R2 | |
| Q8610 | IC | S-24CS02AFT-V-G | 1 | 22242360R2 | |
| Q8610 or | IC | BR24L02FV-W | (1) | 22242069R2 | |
| Q8651 | IC | BA18BC0FP | 1 | 22278018DR2RH | |
| Q8651 or | IC | TA48018AF(TE16L_NQ) | (1) | 22278018DR2TO | |
| Q8651 or | IC | UPC2918T-E1-AZ | (1) | 22278018ER2NE | |
| Q8652 | IC | XC6213B332MR | 1 | 22242277R2 | |
| Q8653 | IC | BA33BC0FP | 1 | 22278033DR2RH | |
| Q8654 | IC | BA18BC0FP | 1 | 22278018DR2RH | |
| Q8654 or | IC | TA48018AF(TE16L_NQ) | (1) | 22278018DR2TO | |
| Q8654 or | IC | UPC2918T-E1-AZ | (1) | 22278018ER2NE | |
| Q8701 | IC | MPD70F3176GC-8EA | 1 | 222W0054R3 | |
| Q8801 | IC | ADV7172 | 1 | 22242155R3 | |
| D3002 | C-DIODE | CRS09(TE85L_Q) | 1 | 223274R2 | |
| D3012 | C-DIODE | CRS09(TE85L_Q) | 1 | 223274R2 | |
| D3022 | C-DIODE | CRS09(TE85L_Q) | 1 | 223274R2 | |
| D3205 | C-DIODE | ISS352 | 1 | 223234R2 | |
| D3205 or | C-DIODE | ISS355 | (1) | 223269R2 | |
| D3225 | C-DIODE | ISS352 | 1 | 223234R2 | |

| | | | | |
|----------|------------|-----------------|-----|---------------|
| D3225 or | C-DIODE | ISS355 | (1) | 223269R2 |
| D3226 | C-DIODE | ISS352 | 1 | 223234R2 |
| D3226 or | C-DIODE | ISS355 | (1) | 223269R2 |
| D8001 | C-DIODE | CRS09(TE85L_Q) | 1 | 223274R2 |
| D8021 | C-DIODE | ISS352 | 1 | 223234R2 |
| D8021 or | C-DIODE | ISS355 | (1) | 223269R2 |
| D8022 | C-DIODE | ISS352 | 1 | 223234R2 |
| D8022 or | C-DIODE | ISS355 | (1) | 223269R2 |
| D8023 or | C-DIODE | ISS355 | (0) | 223269R2 |
| D8024 or | C-DIODE | ISS355 | (0) | 223269R2 |
| D8301 | C-DIODE | ISS226(TE85L_F) | 1 | 223266R2 |
| D8301 or | DIODE | DAN217T146 | (1) | 223285R2 |
| D8302 | C-DIODE | ISS352 | 1 | 223234R2 |
| D8302 or | C-DIODE | ISS355 | (1) | 223269R2 |
| D8591 | C-DIODE | CRS09(TE85L_Q) | 1 | 223274R2 |
| D8592 | C-DIODE | CRS09(TE85L_Q) | 1 | 223274R2 |
| D8701 | C-DIODE | ISS352 | 1 | 223234R2 |
| D8701 or | C-DIODE | ISS355 | (1) | 223269R2 |
| L1021 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L1022 | EMIFIL | BK1608LMI82-T | 1 | 230958R1 |
| L3001 | CHOKO COIL | NCH-2541 | 1 | 231363K470 |
| L3003 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3004 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3011 | CHOKO COIL | NCH-2541 | 1 | 231363K470 |
| L3013 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3014 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3021 | CHOKO COIL | NCH-2541 | 1 | 231363K470 |
| L3023 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3024 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3301 | CHOKO COIL | LBC2518T470M | 1 | 231364M470R2 |
| L3311 | EMIFIL | BK1608HS102-T | 1 | 230955R2 |
| L3401 | EMIFIL | ACF451832-333-T | 1 | 230978R2 |
| L3402 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3403 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L3451 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3481 | EMIFIL | BK1608HS102-T | 1 | 230955R2 |
| L3482 | EMIFIL | BK1608HS102-T | 1 | 230955R2 |
| L3483 | CHOKO COIL | LBC2518T470M | 1 | 231364M470R2 |
| L3491 | CHOKO COIL | LBC2518T470M | 1 | 231364M470R2 |
| L3501 | EMIFIL | ACF451832-333-T | 1 | 230978R2 |
| L3502 | C-CARBON R | RN72K1J-330IE | 1 | 435033304R1 |
| L3541 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L3542 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3551 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3571 | CHOKO COIL | LBC2518T470M | 1 | 231364M470R2 |
| L3572 | EMIFIL | BK1608HS102-T | 1 | 230955R2 |
| L3601 | EMIFIL | ACF451832-333-T | 1 | 230978R2 |
| L3602 | C-CARBON R | RN72K1J-330IE | 1 | 435033304R1 |
| L3641 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L3642 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3651 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L3931 | CHOKO COIL | LBC2518T2R2M | 1 | 231364M022R2 |
| L3932 | CHOKO COIL | LBC2518T2R2M | 1 | 231364M022R2 |
| L3933 | CHOKO COIL | LBC2518T2R2M | 1 | 231364M022R2 |
| L3934 | CHOKO COIL | LBC2518T470M | 1 | 231364M470R2 |
| L8001 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8002 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8003 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8004 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8005 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8006 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8007 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8008 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8009 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8010 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8011 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8012 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8014 | CHOKO COIL | NCH-2541 | 1 | 231363K470 |
| L8015 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8016 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8018 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8019 | EMIFIL | BK1608LL241-T | 1 | 230959R1 |
| L8020 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8101 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8102 | CHOKO COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8400 | C-R NET | MNR12E0APJ000 | 1 | 43464900002R2 |
| L8401 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8402 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8403 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8404 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8405 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8406 | C-R NET | MNR12E0APJ000 | 1 | 43464900002R2 |
| L8407 | C-R NET | MNR12E0APJ000 | 1 | 43464900002R2 |
| L8408 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8409 | C-R NET | MNR12E0APJ000 | 1 | 43464900002R2 |
| L8505 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8507 | CHOKO COIL | NCH-2541 | 1 | 231363K470 |
| L8508 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8525 | CHOKO COIL | BLM21PG221SN1 | 1 | 230949R2 |

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|-------|--------------|---------------------|---|--------------|
| L8527 | CHOKE COIL | NCH-2541 | 1 | 231363K470 |
| L8528 | CHOKE COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8601 | CHOKE COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8602 | CHOKE COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8603 | CHOKE COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8604 | CHOKE COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8605 | CHOKE COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8606 | CHOKE COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8607 | CHOKE COIL | BLM21PG221SN1 | 1 | 230949R2 |
| L8608 | EMIFIL | BK1608LL241-T | 1 | 230959R1 |
| L8701 | CHOKE COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8801 | CHOKE COIL | LBC2518T4R7M | 1 | 231364M047R2 |
| L8901 | CHOKE COIL | LBC2518T2R2M | 1 | 231364M022R2 |
| L8902 | CHOKE COIL | LBC2518T2R2M | 1 | 231364M022R2 |
| L8903 | CHOKE COIL | LBC2518T2R2M | 1 | 231364M022R2 |
| L8904 | CHOKE COIL | LBC2518T2R2M | 1 | 231364M022R2 |
| L8905 | CHOKE COIL | LBC2518T2R2M | 1 | 231364M022R2 |
| L8906 | CHOKE COIL | LBC2518T2R2M | 1 | 231364M022R2 |
| X1021 | CRYSTAL | HC-49/U03C24.576MHz | 1 | 3010331R2 |
| X3481 | CRYSTAL | HC-49USSMD25.00MHz | 1 | 3010444R2 |
| X3571 | CRYSTAL | HC-49/U03C17.734M | 1 | 3010430R2 |
| X8001 | CRYSTAL | FCX-03-19.6608M | 1 | 3010439R2 |
| X8501 | CRYSTAL | HC-49-28.332MHz | 1 | 3010417R2 |
| X8701 | CERA LOCK | CSTCR5M00G53-B0 | 1 | 3010356R2 |
| C1021 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C1022 | C-CERA C | CC725CH1H-060D1 | 1 | 342100602R1 |
| C1023 | C-CERA C | CC725CH1H-060D1 | 1 | 342100602R1 |
| C3001 | CD C | UCD1E221MNL1GS | 1 | 396652217R2 |
| C3002 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3003 | CD C | UCD1A471MNL1GS | 1 | 396634717R2 |
| C3004 | CHIP ELECT C | CEWT6.3V-470M | 1 | 395724717R2 |
| C3005 | C-CERA C | CK725F1H-223Z1 | 1 | 332152230R1 |
| C3011 | CD C | UCD1E221MNL1GS | 1 | 396652217R2 |
| C3012 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3013 | CD C | UCD1A471MNL1GS | 1 | 396634717R2 |
| C3014 | CHIP ELECT C | CEWT6.3V-470M | 1 | 395724717R2 |
| C3015 | C-CERA C | CK725F1H-223Z1 | 1 | 332152230R1 |
| C3021 | CD C | UCD1E221MNL1GS | 1 | 396652217R2 |
| C3022 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3023 | CD C | UCD1A471MNL1GS | 1 | 396634717R2 |
| C3024 | CHIP ELECT C | CEWT6.3V-470M | 1 | 395724717R2 |
| C3025 | C-CERA C | CK725F1H-223Z1 | 1 | 332152230R1 |
| C3204 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C3205 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3206 | CHIP ELECT C | CEWX4V-220M | 1 | 3981G2217R2 |
| C3224 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C3225 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3226 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C3227 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C3228 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3229 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C3301 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3302 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C3311 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3325 | C-CERA C | CK725F1H-223Z1 | 1 | 332152230R1 |
| C3326 | C-CERA C | CK725F1H-223Z1 | 1 | 332152230R1 |
| C3391 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3392 | CHIP ELECT C | CEWX6.3V-47M | 1 | 398124707R2 |
| C3401 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C3402 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C3403 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3405 | CHIP ELECT C | CEWX4V-220M | 1 | 3981G2217R2 |
| C3411 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3412 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3413 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3414 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3415 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3416 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3417 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3418 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3419 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3420 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3421 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3425 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3426 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3427 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3428 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3429 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3430 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3431 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3432 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3433 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3434 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3435 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3451 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C3452 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3453 | CHIP ELECT C | CEWX4V-220M | 1 | 3981G2217R2 |
| C3461 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3462 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |

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| C3628 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3629 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3641 | CHIP ELECT C | CEWX4V-220M | 1 | 3981G2217R2 |
| C3642 | CHIP ELECT C | CEWX4V-220M | 1 | 3981G2217R2 |
| C3651 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3652 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C3653 | CHIP ELECT C | CEWX4V-220M | 1 | 3981G2217R2 |
| C3661 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3662 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3663 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3664 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3665 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3666 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3667 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3668 | CHIP ELECT C | CEWX4V-220M | 1 | 3981G2217R2 |
| C3931 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C3932 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C3933 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C3934 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3935 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3936 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3938 | C-CERA C | CC725CH1H-080D1 | 1 | 342100802R1 |
| C3939 | CHIP ELECT C | CEWX6.3V-100M | 1 | 398121017R2 |
| C3940 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C3941 | C-CERA C | CC725CH1H-080D1 | 1 | 342100802R1 |
| C3942 | C-CERA C | CC725CH1H-080D1 | 1 | 342100802R1 |
| C3946 | C-CERA C | CK725F1H-103Z1 | 1 | 332151030R1 |
| C3947 | C-CERA C | CK725F1H-103Z1 | 1 | 332151030R1 |
| C8001 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8002 | C-CERA C | CC725CH1H-102J1 | 1 | 342101024R1 |
| C8003 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8004 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8005 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8006 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8007 | C-CERA C | CC725CH1H-120J1 | 1 | 342101204R1 |
| C8008 | C-CERA C | CC725CH1H-120J1 | 1 | 342101204R1 |
| C8009 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8010 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8011 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8012 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8013 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8014 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8015 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8016 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8017 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8018 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8019 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8020 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8021 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8022 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8023 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8024 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8025 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8026 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8027 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8028 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8029 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8030 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8031 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8032 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8033 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8034 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8035 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8036 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8037 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8038 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8039 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8040 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8041 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8042 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8043 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8044 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8045 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8046 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8047 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8048 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8049 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8051 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8055 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8056 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8057 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8060 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8061 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8062 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8063 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8064 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8065 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8066 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8067 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |

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| C8068 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8069 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8070 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C8071 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8072 | CHIP ELECT C | CEWX6.3V-100M | 1 | 398121017R2 |
| C8073 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8074 | CD C | UCD1A471MNL1GS | 1 | 396634717R2 |
| C8075 | CHIP ELECT C | CEWT6.3V-470M | 1 | 395724717R2 |
| C8076 | CD C | UCD1E221MNL1GS | 1 | 396652217R2 |
| C8077 | C-CERA C | CK725F1H-223Z1 | 1 | 332152230R1 |
| C8078 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8081 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C8082 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8083 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8084 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C8085 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8086 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8087 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8088 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8089 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8101 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8103 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8104 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8105 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8106 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8107 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8108 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8109 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8110 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8111 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8112 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8113 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8114 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8115 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8116 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8117 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8118 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8119 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8120 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8121 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8123 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8124 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8125 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8126 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8127 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8128 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8129 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8151 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C8152 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8281 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8292 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8293 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8298 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8299 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8326 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8327 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8328 | CHIP ELECT C | CEWX16V-22M | 1 | 398142207R2 |
| C8329 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8330 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8348 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8399 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8401 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8402 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8403 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8404 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8405 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8406 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8407 | C-CERA C | CC725CH1H-100D1 | 1 | 342101002R1 |
| C8408 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8409 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8410 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8411 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8412 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8413 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8414 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8415 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8416 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8417 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8418 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8419 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8420 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8421 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8422 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8423 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8424 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8425 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8426 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8427 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8428 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |

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| C8603 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8604 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8605 | CHIP ELECT C | CEWX4V-220M | 1 | 3981G2217R2 |
| C8606 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8607 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C8608 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8609 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C8662 | C-CERA C | CK725F1H-223Z1 | 1 | 332152230R1 |
| C8663 | CD C | UCD1E221MNL1GS | 1 | 396652217R2 |
| C8664 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8669 | CD C | UCD1A471MNL1GS | 1 | 396634717R2 |
| C8670 | CHIP ELECT C | CEWT6.3V-470M | 1 | 395724717R2 |
| C8675 | CHIP ELECT C | CEWX4V-100M | 1 | 3981G1017R2 |
| C8676 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8679 | CD C | UCD1A471MNL1GS | 1 | 396634717R2 |
| C8680 | CHIP ELECT C | CEWT6.3V-470M | 1 | 395724717R2 |
| C8681 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8682 | C-CERA C | CK725F1H-223Z1 | 1 | 332152230R1 |
| C8683 | CD C | UCD1E221MNL1GS | 1 | 396652217R2 |
| C8684 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8691 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8692 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8698 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8699 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8701 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8702 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8703 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8704 | CHIP ELECT C | CEWX50V-4.7M | 1 | 398180477R2 |
| C8705 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8706 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8707 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8708 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8709 | CHIP ELECT C | CEWX4V-220M | 1 | 3981G2217R2 |
| C8710 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8801 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8802 | CHIP ELECT C | CEWX4V-22M | 1 | 3981G2207R2 |
| C8803 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8804 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8805 | C-CERA C | CK725B1H-102K1 | 1 | 332101025R1 |
| C8806 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8807 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8808 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8809 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8810 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8811 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8812 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8813 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8814 | C-CERA C | CK725F1H-104Z1 | 1 | 332151040R1 |
| C8901 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C8902 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C8903 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C8904 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C8905 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C8906 | C-CERA C | CC725CH1H-101J1 | 1 | 342101014R1 |
| C8919 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8920 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8921 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8922 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8923 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| C8924 | C-CERA C | CK725F1A-105Z1 | 1 | 332181050R1 |
| R1021 | C-CARBON R | RN72K1J-105JE | 1 | 435031054R1 |
| R1022 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3002 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 |
| R3003 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 |
| R3004 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 |
| R3005 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 |
| R3012 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 |
| R3013 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 |
| R3014 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 |
| R3015 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 |
| R3022 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 |
| R3023 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 |
| R3024 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 |
| R3025 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 |
| R3206 | C-CARBON R | RN72K1J-273JE | 1 | 435032734R1 |
| R3207 | C-CARBON R | RN72K1J-273JE | 1 | 435032734R1 |
| R3208 | C-CARBON R | RN72K1J-393JE | 1 | 435033934R1 |
| R3226 | C-CARBON R | RN72K1J-273JE | 1 | 435032734R1 |
| R3227 | C-CARBON R | RN72K1J-273JE | 1 | 435032734R1 |
| R3228 | C-CARBON R | RN72K1J-393JE | 1 | 435033934R1 |
| R3229 | C-CARBON R | RN72K1J-273JE | 1 | 435032734R1 |
| R3230 | C-CARBON R | RN72K1J-273JE | 1 | 435032734R1 |
| R3231 | C-CARBON R | RN72K1J-393JE | 1 | 435033934R1 |
| R3301 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3304 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3305 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3306 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3307 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3311 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |

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| R3522 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3523 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3524 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3525 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3526 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3527 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3528 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3529 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3530 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3551 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3552 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3553 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3554 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3557 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3558 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3571 | C-CARBON R | RN72K1J-105JE | 1 | 435031054R1 |
| R3572 | C-CARBON R | RN72K1J-221JE | 1 | 435032214R1 |
| R3601 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3602 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3603 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3604 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3605 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3606 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3607 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3608 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3609 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3610 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3611 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3612 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3613 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3614 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3615 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3616 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3617 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3618 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3619 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3620 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3621 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3622 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3623 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3624 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3625 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3626 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3627 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3628 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3629 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3630 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R3651 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3652 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3653 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3656 | C-CARBON R | RN72K1J-331JE | 1 | 435033314R1 |
| R3657 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3658 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3659 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3931 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R3932 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R3933 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R3934 | C-CARBON R | RN72K1J-100JE | 1 | 435031004R1 |
| R3935 | C-CARBON R | RN72K1J-100JE | 1 | 435031004R1 |
| R3936 | C-CARBON R | RN72K1J-100JE | 1 | 435031004R1 |
| R3937 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R3938 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R3939 | C-CARBON R | RN72K1J-224JE | 1 | 435032244R1 |
| R3940 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3941 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R3942 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8001 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8002 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8003 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8004 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8005 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 |
| R8007 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8009 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8010 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8011 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8012 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8013 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8014 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8015 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8016 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8018 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8020 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8021 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8023 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8024 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8025 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8026 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8027 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8028 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |

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| R8029 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8030 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8033 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 |
| R8034 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8035 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8036 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8038 | C-CARBON R | RN72K1J-471JE | 1 | 435034714R1 |
| R8040 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 |
| R8041 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8042 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8043 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8044 | C-CARBON R | RN72K1J-471JE | 1 | 435034714R1 |
| R8045 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8046 | C-CARBON R | RN72K1J-471JE | 1 | 435034714R1 |
| R8047 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8048 | C-CARBON R | RN72K1J-471JE | 1 | 435034714R1 |
| R8049 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8050 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8051 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8052 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8053 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8054 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8055 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8056 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8057 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8058 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8062 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8063 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8066 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8067 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8070 | C-CARBON R | RN72K1J-272JE | 1 | 435032724R1 |
| R8071 | C-CARBON R | RN72K1J-272JE | 1 | 435032724R1 |
| R8072 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8073 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8074 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8075 | C-CARBON R | RN72K1J-680JE | 1 | 435036804R1 |
| R8076 | C-CARBON R | RN72K1J-680JE | 1 | 435036804R1 |
| R8077 | C-CARBON R | RN72K1J-680JE | 1 | 435036804R1 |
| R8078 | C-CARBON R | RN72K1J-680JE | 1 | 435036804R1 |
| R8079 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 |
| R8081 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8082 | C-CARBON R | RN72K1J-680JE | 1 | 435036804R1 |
| R8083 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 |
| R8084 | C-CARBON R | RN72K1J-333JE | 1 | 435033334R1 |
| R8085 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8091 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8092 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8093 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8094 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8095 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8096 | C-CARBON R | RN72K1J-750JE | 1 | 435037504R1 |
| R8101 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8102 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8103 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8104 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8234 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8235 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8236 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8237 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 |
| R8238 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8239 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8240 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8242 | C-CARBON R | RN72K1J-562JE | 1 | 435035624R1 |
| R8243 | C-CARBON R | RN72K1J-562JE | 1 | 435035624R1 |
| R8244 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8247 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8248 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8323 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8324 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8325 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8326 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8334 | C-CARBON R | RN72K1J-182JE | 1 | 435031824R1 |
| R8335 | C-CARBON R | RN72K1J-182JE | 1 | 435031824R1 |
| R8337 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8338 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8341 | C-CARBON R | RN72K2E-100JE | 1 | 435221004R1 |
| R8401 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8402 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8403 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8404 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8405 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8408 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8409 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8410 | C-CARBON R | RN72K1J-681JE | 1 | 435036814R1 |
| R8411 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8414 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8415 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8416 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8417 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |

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| R8418 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8419 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8420 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8421 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8422 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8423 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8424 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8425 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8429 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8431 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8432 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8442 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 |
| R8444 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8501 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 |
| R8502 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 |
| R8503 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 |
| R8504 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8505 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8506 | C-CARBON R | RN72K1J-120JE | 1 | 435031204R1 |
| R8507 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8508 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8509 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8510 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8511 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8512 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8513 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8514 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8516 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 |
| R8517 | C-CARBON R | RN72K1J-101JE | 1 | 435031014R1 |
| R8518 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8519 | C-CARBON R | RN72K1J-470JE | 1 | 435034704R1 |
| R8520 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 |
| R8521 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 |
| R8522 | C-R NET | RM7LJ330X04 | 1 | 43484733004R2 |
| R8523 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 |
| R8524 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 |
| R8534 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8535 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8536 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8537 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 |
| R8538 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8539 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8540 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8542 | C-CARBON R | RN72K1J-562JE | 1 | 435035624R1 |
| R8543 | C-CARBON R | RN72K1J-562JE | 1 | 435035624R1 |
| R8544 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8547 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8548 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8591 | C-CARBON R | RN72K1J-392JE | 1 | 435033924R1 |
| R8593 | C-CARBON R | RN72K1J-152JE | 1 | 435031524R1 |
| R8594 | C-CARBON R | RN72K1J-152JE | 1 | 435031524R1 |
| R8595 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 |
| R8596 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8597 | C-CARBON R | RN72K1J-821JE | 1 | 435038214R1 |
| R8629 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8630 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8631 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8632 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8633 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 |
| R8634 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8635 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8636 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8637 | C-CARBON R | RN72K1J-102JE | 1 | 435031024R1 |
| R8638 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8639 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8640 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8642 | C-CARBON R | RN72K1J-562JE | 1 | 435035624R1 |
| R8643 | C-CARBON R | RN72K1J-562JE | 1 | 435035624R1 |
| R8644 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8647 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8648 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8662 | C-CARBON R | RN72K1J-105JE | 1 | 435031054R1 |
| R8702 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8703 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8706 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8707 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8708 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8710 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8711 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 |
| R8712 | C-CARBON R | RN72K1J-222JE | 1 | 435032224R1 |
| R8713 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8714 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8715 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8716 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8717 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 |
| R8718 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8720 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8721 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8722 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |

| | | | | |
|--------|------------|------------------------|---|---------------|
| R8723 | C-R NET | RM7LJ222X04 | 1 | 43484722204R2 |
| R8726 | C-R NET | RM7LJ222X04 | 1 | 43484722204R2 |
| R8727 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8728 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8730 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8732 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8733 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8734 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8736 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8738 | C-CARBON R | RN72K1J-473JE | 1 | 435034734R1 |
| R8741 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8742 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8745 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8747 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8748 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8749 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8750 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8751 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8753 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8758 | C-CARBON R | RN72K1J-220JE | 1 | 435032204R1 |
| R8762 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8763 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8765 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8766 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8770 | C-R NET | RM7LJ103X04 | 1 | 43484710304R2 |
| R8772 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8773 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8774 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8801 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8803 | C-CARBON R | RN72K1J-272JE | 1 | 435032724R1 |
| R8804 | C-CARBON R | RN72K1J-272JE | 1 | 435032724R1 |
| R8805 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8806 | C-CARBON R | RN72K1J-330JE | 1 | 435033304R1 |
| R8807 | C-CARBON R | RN72K1J-472JE | 1 | 435034724R1 |
| R8808 | C-CARBON R | RN72K1J-122JE | 1 | 435031224R1 |
| R8809 | C-CARBON R | RN72K1J-122JE | 1 | 435031224R1 |
| R8810 | C-CARBON R | RN72K1J-122JE | 1 | 435031224R1 |
| R8811 | C-CARBON R | RN72K1J-122JE | 1 | 435031224R1 |
| R8812 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8813 | C-R NET | RM7LJ220X04 | 1 | 43484722004R2 |
| R8814 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8815 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8816 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8817 | C-CARBON R | RN72K1J-103JE | 1 | 435031034R1 |
| R8901 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8902 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8903 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8904 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8905 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8906 | C-CARBON R | RN72K1J-000JE | 1 | 435030004R1 |
| R8907 | C-CARBON R | RN72K1J-151JE | 1 | 435031514R1 |
| R8908 | C-CARBON R | RN72K1J-151JE | 1 | 435031514R1 |
| R8909 | C-CARBON R | RN72K1J-151JE | 1 | 435031514R1 |
| R8910 | C-CARBON R | RN72K1J-151JE | 1 | 435031514R1 |
| R8911 | C-CARBON R | RN72K1J-151JE | 1 | 435031514R1 |
| R8912 | C-CARBON R | RN72K1J-151JE | 1 | 435031514R1 |
| R8931 | C-CARBON R | RN72K1J-223JE | 1 | 435032234R1 |
| R8932 | C-CARBON R | RN72K1J-152JE | 1 | 435031524R1 |
| R8933 | C-CARBON R | RN72K1J-152JE | 1 | 435031524R1 |
| R8934 | C-CARBON R | RN72K1J-332JE | 1 | 435033324R1 |
| E3001 | TRM(SCREW) | NEJITANSI M3 | 1 | 25065425 |
| JL801B | WIRE TRAP | NPLG-8P591 | 1 | 25055629 |
| P3491 | PLUG | IMSA-9204B-2-13Z122-GF | 1 | 25056542 |
| P3801B | SOCKET | NSCT-20P1031 | 1 | 25051241 |
| P3802B | SOCKET | NSCT-20P1031 | 1 | 25051241 |
| P3803B | SOCKET | NSCT-5P1020 | 1 | 25051230 |
| P3804 | PIN JACK | NPJ-3PDO465 | 1 | 25045666 |
| P4008B | SOCKET | NSCT-23P2116 | 1 | 25052219 |
| P8011 | SOCKET | NSCT-4P2238 | 1 | 25052341 |
| P802B | PLUG | NPLG-13P141 | 1 | 25055157 |
| P8201 | SOCKET | YKF45-7037V | 1 | 25053253R3 |
| P8302 | SOCKET | YKF45-7037V | 1 | 25053253R3 |
| P8501 | SOCKET | YKF45-7037V | 1 | 25053253R3 |
| P8601 | SOCKET | YKF45-7037V | 1 | 25053253R3 |
| P8702 | SOCKET | NSCT-8P2242 | 1 | 25052345 |

TX-SR705/SA705

PACKING PROCEDURE PARTS LIST

| REF. NO. | PART NAME | DESCRIPTION | Q'TY | PART NO. (SN) | REMARKS |
|----------|------------|-----------------------------|------|---------------|-------------------------------------|
| A501 | CARTON | TX-SR705(B)MDC | 1 | 29054810 | (B), <DC> |
| A501 | CARTON | TX-SR705(B)MMP | 1 | 29054811 | (B), <MP, MA, MO> |
| A501 | CARTON | TX-SA705(S)MDC | 1 | 29054812 | (S), <DC> |
| A501 | CARTON | TX-SR705(S)MMP | 1 | 29054813 | (S), <MP, MA, MO> |
| A501 | CARTON | TX-SR705(G)M | 1 | 29054814 | (G), <DT, MT, MQ, MK> |
| A501 | CARTON | TX-SA705(G)MMR | 1 | 29054752B | <SA705> |
| A502 | PAD | (AS) | 1 | 29092364 | |
| A503 | POLY BAG | w850xd650 | 1 | 29100245 | |
| A503a | UPC LABEL | TXSR705BMDC | 1 | 29364997 | (B)<DC> |
| A503a | EAN LABEL | TXSR705BMMP | 1 | 29390001 | (B)<MP> |
| A503a | EAN LABEL | TXSR705BMMA | 1 | 29390003 | (B)<MA> |
| A503a | EAN LABEL | TXSR705BMMO | 1 | 29390005 | (B)<MO> |
| A503a | UPC LABEL | TXSR705SMDC | 1 | 29364998 | (S)<DC> |
| A503a | EAN LABEL | TXSR705SMMP | 1 | 29390002 | (S)<MP> |
| A503a | EAN LABEL | TXSR705SMMA | 1 | 29390004 | (S)<MA> |
| A503a | EAN LABEL | TXSR705SMMO | 1 | 29390006 | (S)<MO> |
| A503a | EAN LABEL | TXSR705GMDT | 1 | 29390010 | (G)<DT> |
| A503a | EAN LABEL | TXSR705GMMK | 1 | 29390007 | (G)<MK> |
| A503a | EAN LABEL | TXSR705GMMQ | 1 | 29390008 | (G)<MQ> |
| A503a | EAN LABEL | TXSR705GMMT | 1 | 29390009 | (G)<MT> |
| A503a | EAN LABEL | TXSA705GMMR | 1 | 29390011 | <SA705> |
| A505 | PP TAPE | W48 OPP TAPE | 1 | 29110148 | |
| A506 | POLY BAG | w250xd350 | 1 | 29100250A | |
| A507 | TAPE | (SEROHAN)NITTO NO.29 | 1 | 29110149 | |
| A509 | SHEET | (PAD) | 1 | 29096065A | |
| A801 | WRNTY CARD | (ONKYO) | 1 | 29365102A | <DC> |
| A802 | HANDBILL | (DS-A2X)US | 1 | 29380150 | <DC> |
| A803 | HANDBILL | (DS-A2X)AUS | 1 | 29380152 | <MA> |
| A804 | HANDBILL | (DS-A2X)EU | 1 | 29380151 | <MP> |
| A805 | INST SHEET | En(XM RADIO) | 1 | 29355602 | <DC> |
| A807 | INS MANUAL | U9(RC-687M-692M) | 1 | 29344467 | |
| A808 | LABEL | (SP CABLE) | 1 | 29363059A | |
| A811 | INS MANUAL | En(TX-SR705/TX-SA705) | 1 | 29344476 | |
| A812 | INS MANUAL | Cs(TX-SA705) | 1 | 29344477 | <SA705> |
| A813 | INS MANUAL | Ct(TX-SR705) | 1 | 29344478 | <MO, DT, MQ, MT> |
| A814 | INS MANUAL | U2FrEs(TX-SR705) | 1 | 29344479 | <DC, MP> |
| A815 | INS MANUAL | U2HDe(TX-SR705) | 1 | 29344480 | <MP> |
| A816 | INS MANUAL | U2NISv(TX-SR705) | 1 | 29344481 | <MP> |
| A817 | INS MANUAL | Ar(TX-SR705) | 1 | 29344482 | <MO> |
| A818 | INS MANUAL | En(QSS TX-SR705/TX-SA705) | 1 | 29344483 | |
| A819 | INS MANUAL | Cs(QSS TX-SA705) | 1 | 29344484 | <SA705> |
| A820 | INS MANUAL | Ar(QC ImportantSheet) | 1 | 29344373 | <MO> |
| A821 | POLY BAG | 250*300*W300 | 1 | 29100218A | <MP> |
| A822 | WRNTY CARD | MGQ | 1 | 29365099A | <MQ> |
| A826 | INST SHEET | U10(HUDSON VCR) | 1 | 29355657 | |
| A827 | INS MANUAL | EnFrEs(XM/Sirius) | 1 | 29344586 | <DC> |
| A828 | INST SHEET | U3EnFrEs(EZ_Sync 805series) | 1 | 29355647B | <DC> |
| A829 | INST SHEET | U9(VIERA Link 805Series) | 1 | 29355648B | <MP, MA, MO, DT, MK, MQ, MT, SA705> |
| A830 | TRM | (WRENCH) | 1 | 25060468 | |
| A831 | REMO CON | RC-693M | 1 | 24140693 | |
| A841 | BATTERY | R6/AA(UM-3) | 3 | 3010194 | |
| A841 or | BATTERY | R6/AA(UM-3) | (3) | 3010054 | |
| A843 | POLY BAG | w250xd350 | 1 | 29100250A | |
| A844 | ANT COIL | NMA-3057 | 1 | 232140 | <SR705> |
| A845 | CV PLUG | SCP-13A-BLK(UK) | 1 | 25056591 | <MO> |
| A846 | FM ANT AS | Type W | 1 | 292191 | <SR705> |
| A847 | POLY BAG | t0.1*70*100 | 1 | 29100217 | |
| A848 | HANDBILL | (SIRIUS) | 1 | 29380149 | <DC> |
| A849 | INST SHEET | U10(Remocon 805series) | 1 | 29355664 | |
| A850 | INST SHEET | U10(07REC HDMI) | 1 | 29355689 | |
| A851 | TRM | (WRENCH) | 1 | 25060468 | <SA705> |
| A901 | AC CORD | AS-CNS | 1 | 253431VOL | !, <DT> |
| A901 | AC CORD | AS-CEE-3 | 1 | 253298VOL | !, <MP, MO, MK, MT> |
| A901 | AC CORD | AS-SAA | 1 | 253391VOL | !, <MA> |
| A901 | AC CORD | AS-BS | 1 | 253425KAW | !, <MQ> |
| A901 | AC CORD | AS-BS | (1) | 253425YUN | !, <MQ> |
| A901 | AC CORD | AS-CCC | 1 | 253358VOL | !, <SA705> |
| A902 | CAP | (AUX) SILVER | 1 | 28330179 | (S)MP |
| A903 | CAP | (AUX) BLACK | 1 | 28330178 | (B)MP |
| U008 | MIC AS | MIC-5000 | 1 | 1B068MIC | |

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