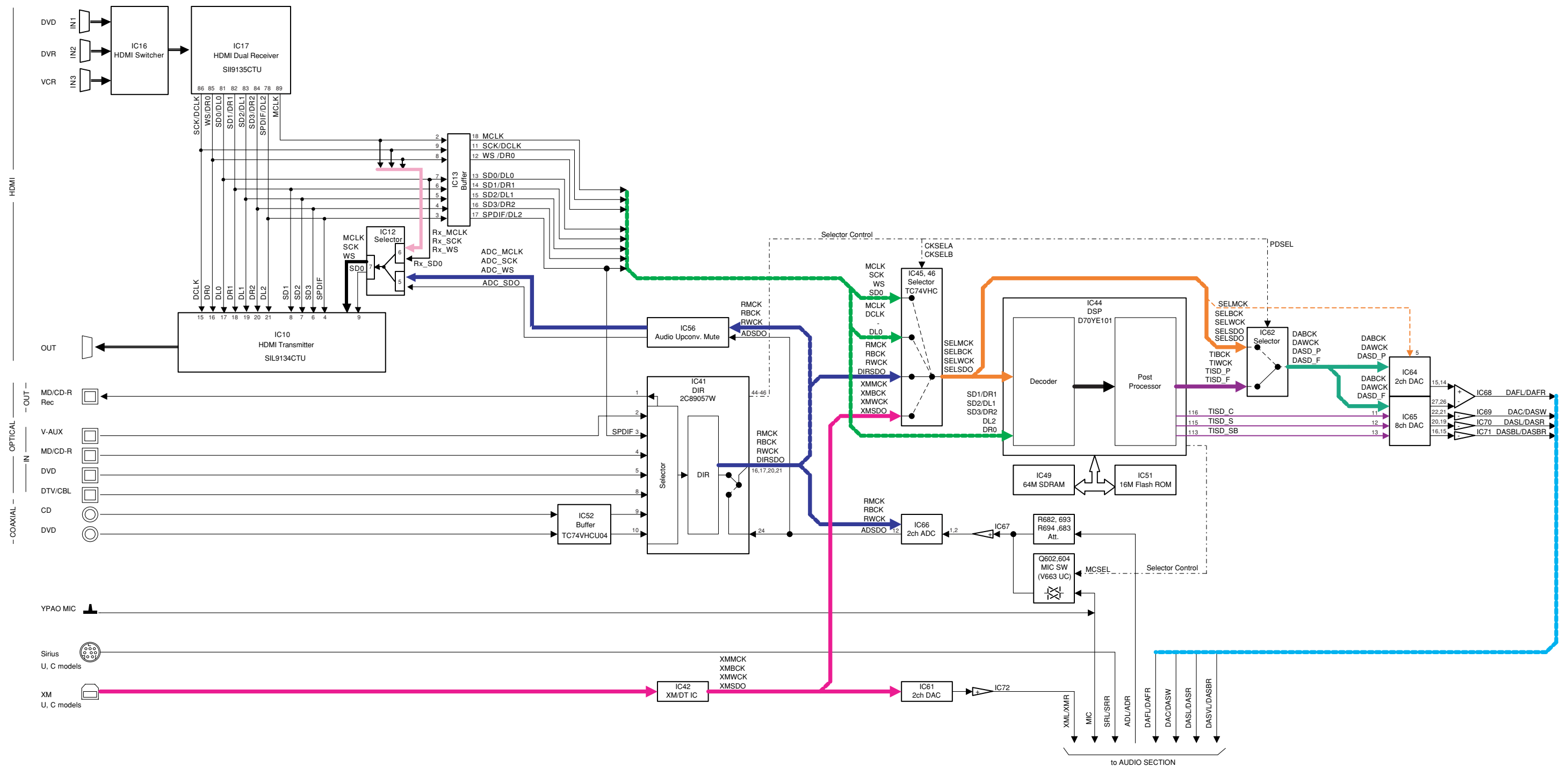


1 ■ BLOCK DIAGRAMS

AUDIO (DIGITAL) SECTION BLOCK DIAGRAM

2 **DIGITAL** • See page 107-111 → SCHEMATIC DIAGRAM

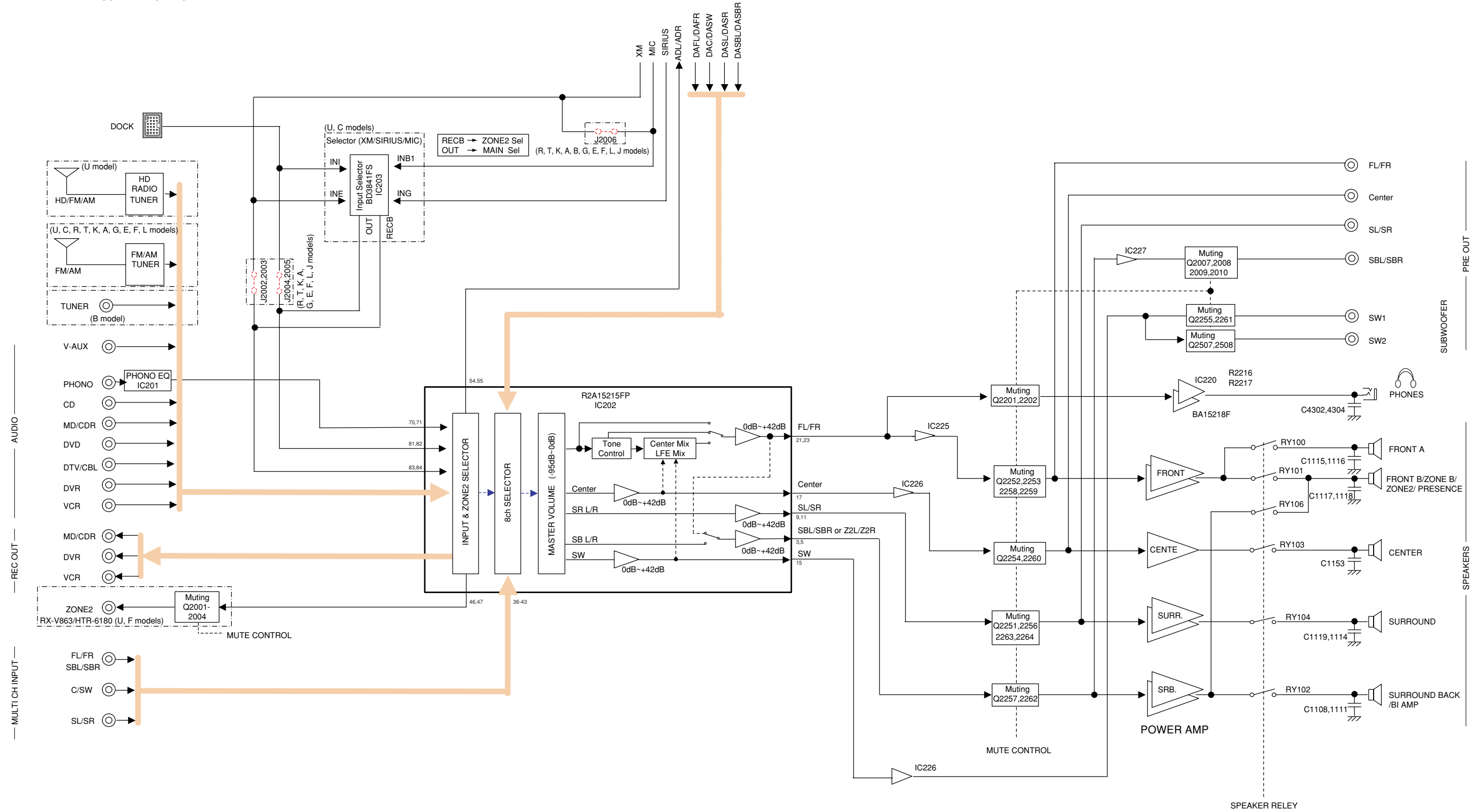


7

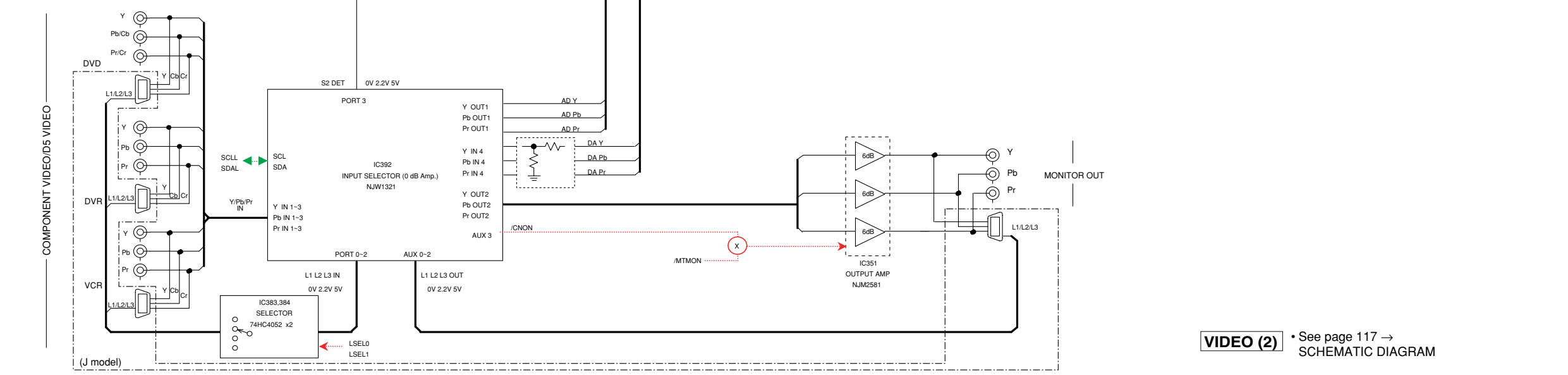
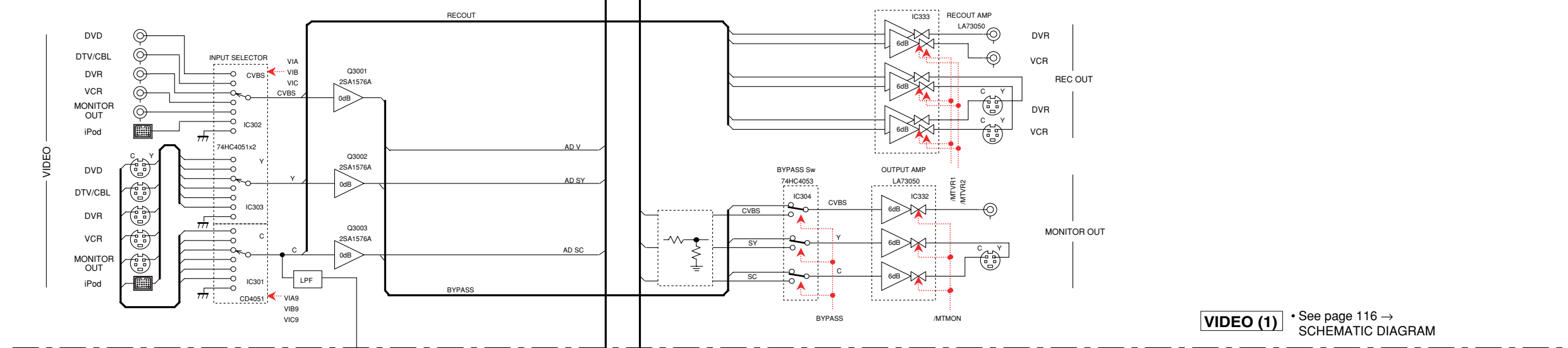
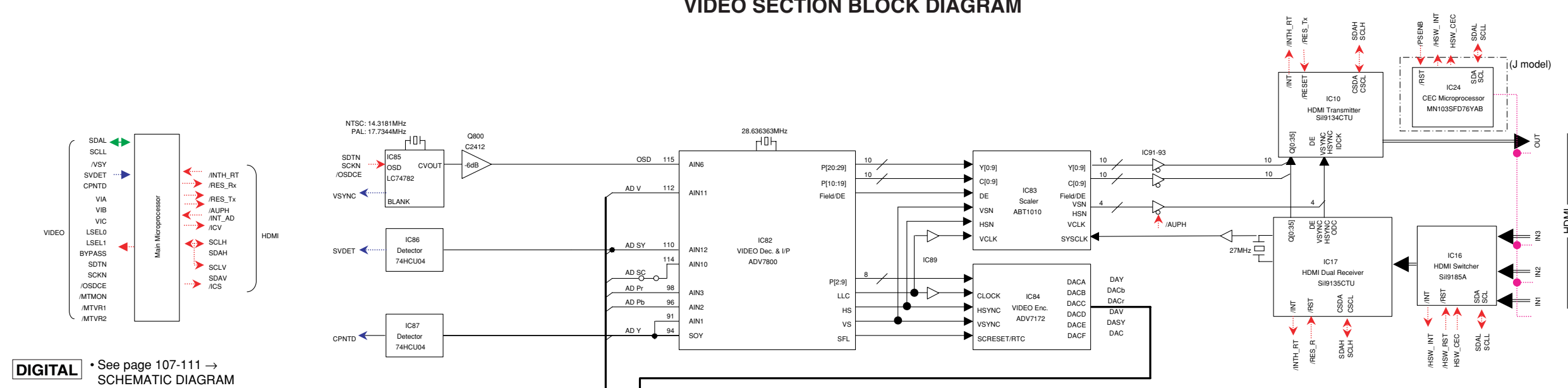
### AUDIO (ANALOG) SECTION BLOCK DIAGRAM

**FUNCTION** • See page 112-113 → SCHEMATIC DIAGRAM

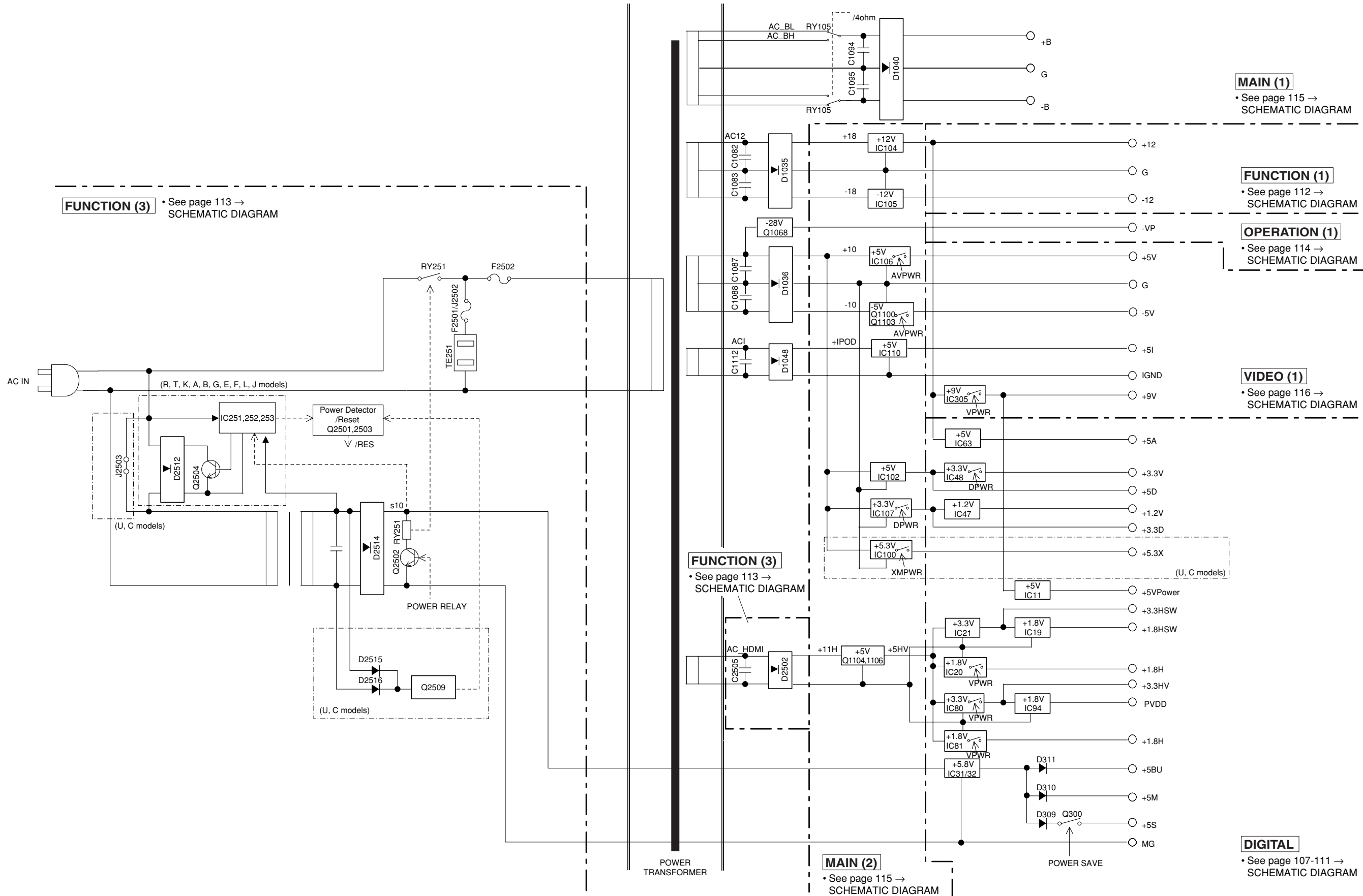
To AUDIO (DIGITAL) SECTION



### VIDEO SECTION BLOCK DIAGRAM

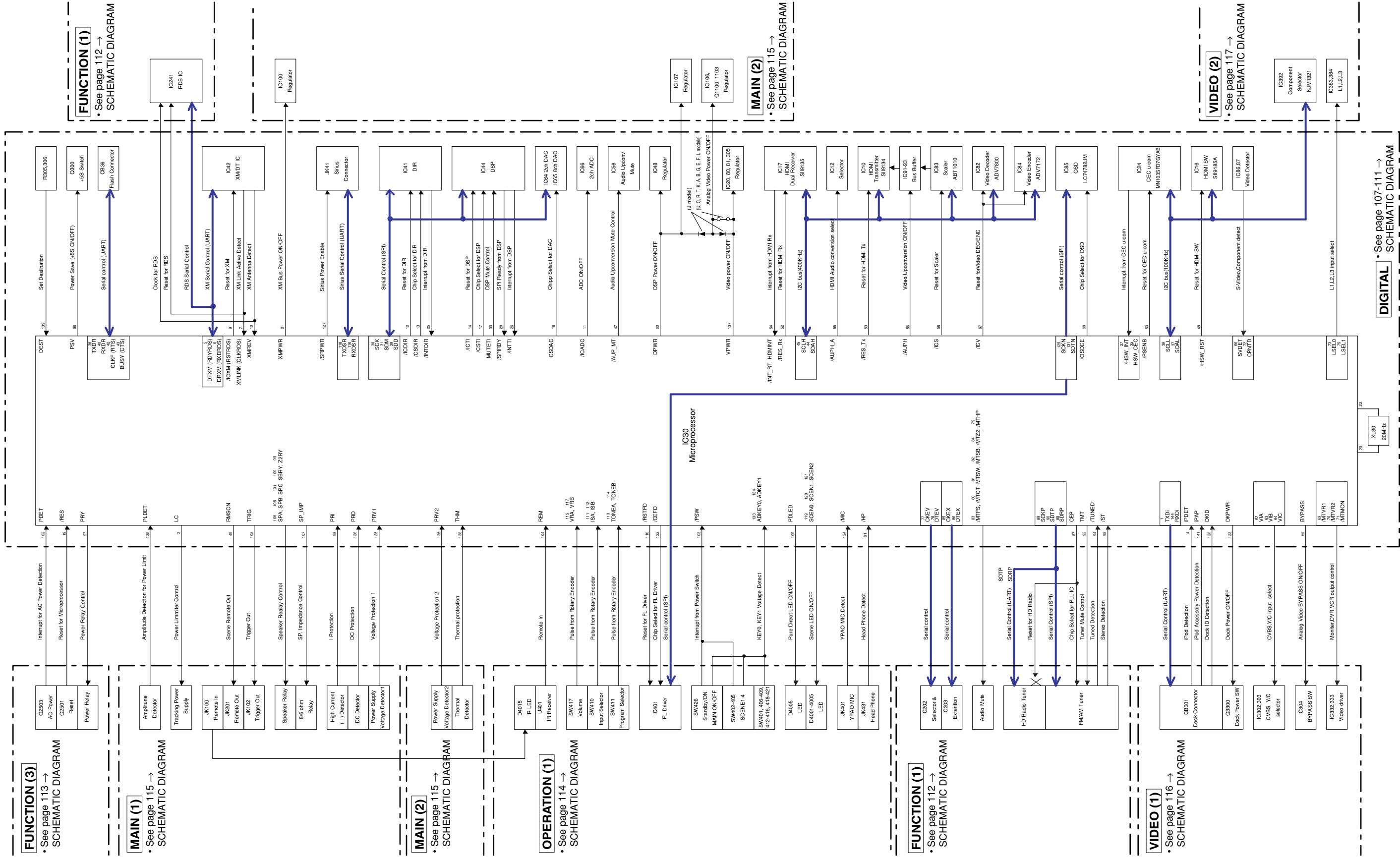


### POWER SUPPLY SECTION BLOCK DIAGRAM



# CONTROL SECTION BLOCK DIAGRAM

1  
2  
3  
4  
5  
6  
7



**FUNCTION (3)**  
• See page 113 →  
SCHEMATIC DIAGRAM

**MAIN (1)**  
• See page 115 →  
SCHEMATIC DIAGRAM

**MAIN (2)**  
• See page 115 →  
SCHEMATIC DIAGRAM

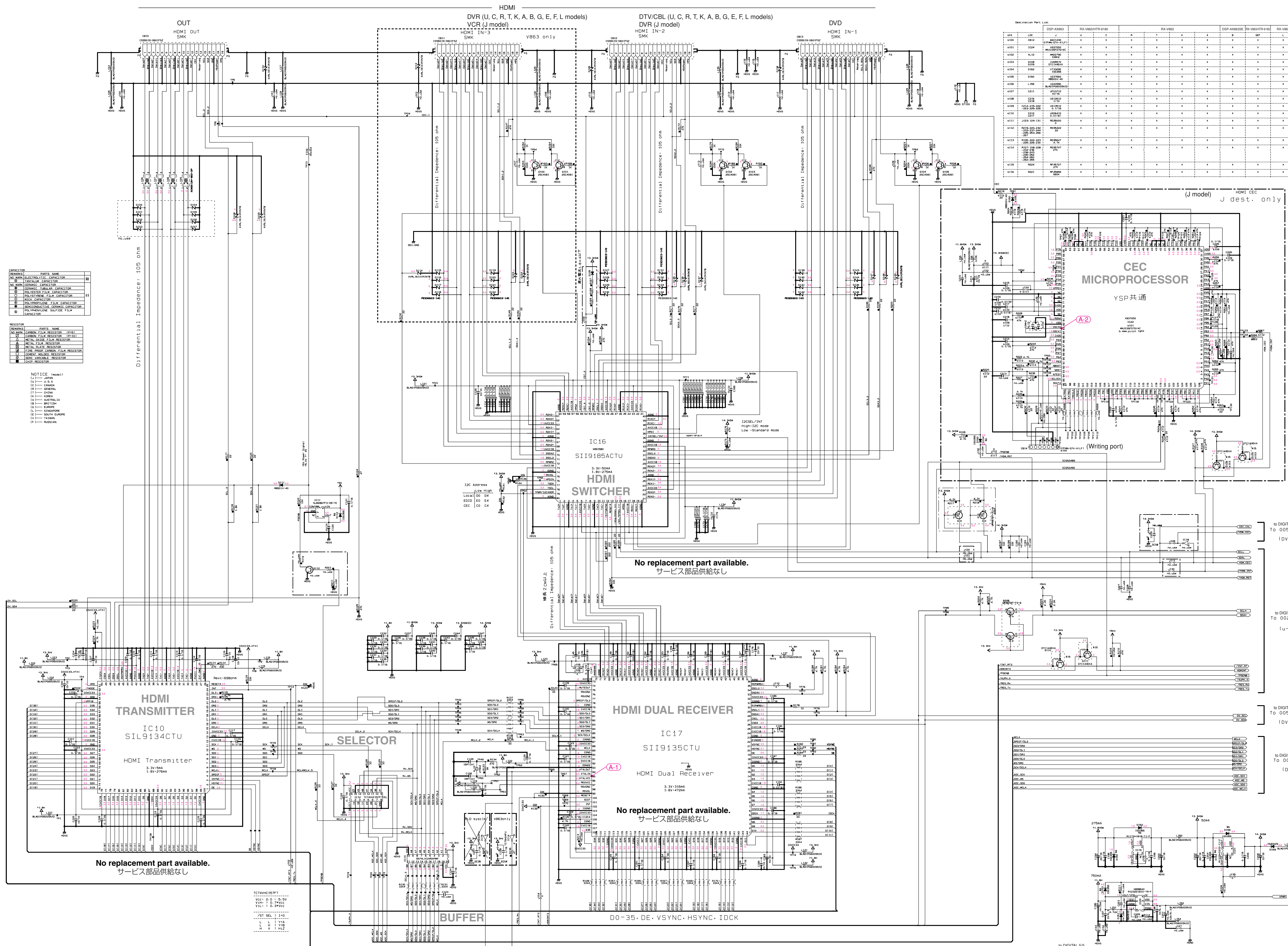
**OPERATION (1)**  
• See page 114 →  
SCHEMATIC DIAGRAM

**FUNCTION (1)**  
• See page 112 →  
SCHEMATIC DIAGRAM

**VIDEO (1)**  
• See page 116 →  
SCHEMATIC DIAGRAM

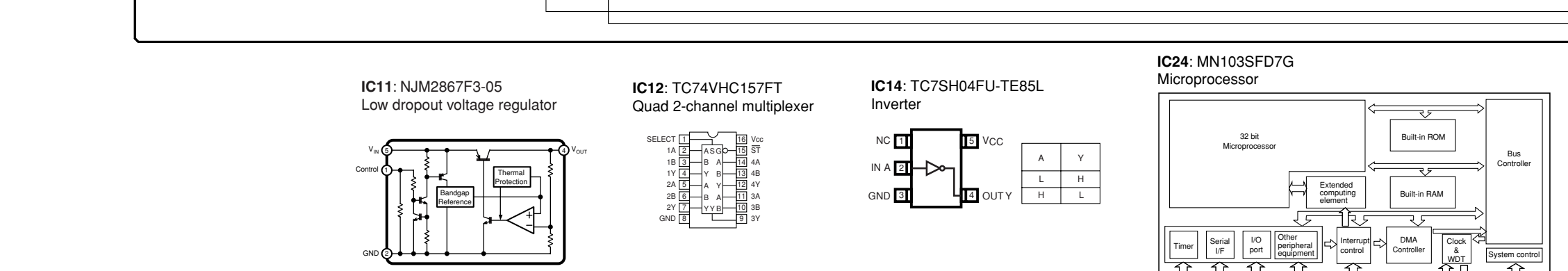
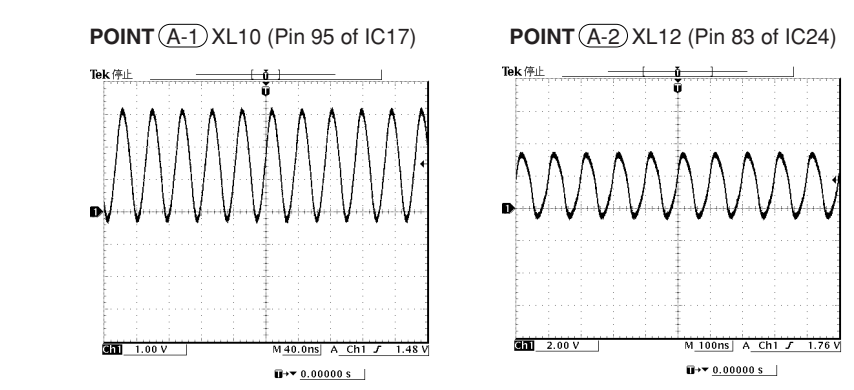
**DIGITAL** • See page 107-111 →  
SCHEMATIC DIAGRAM

SCHEMATIC DIAGRAMS  
DIGITAL 1/5



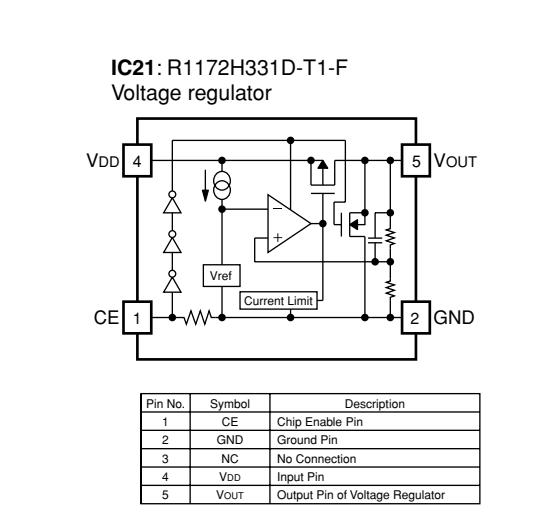
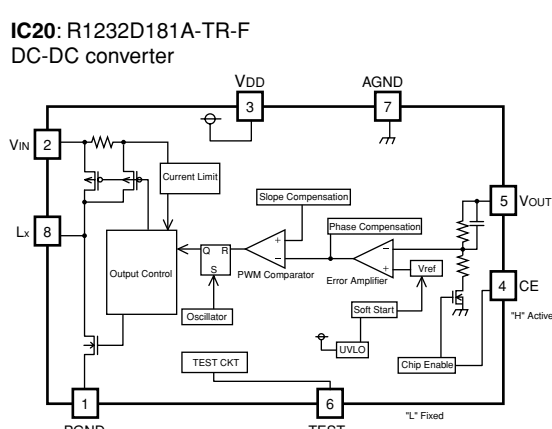
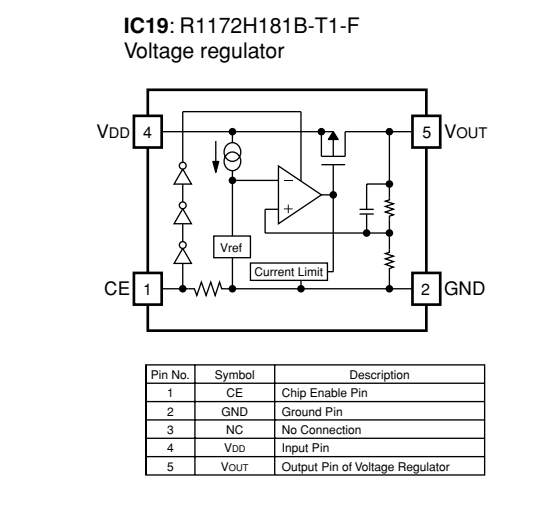
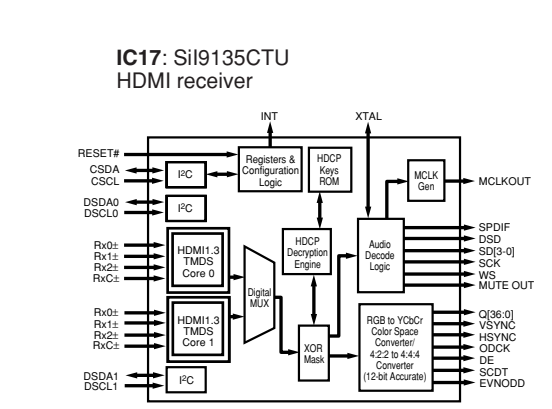
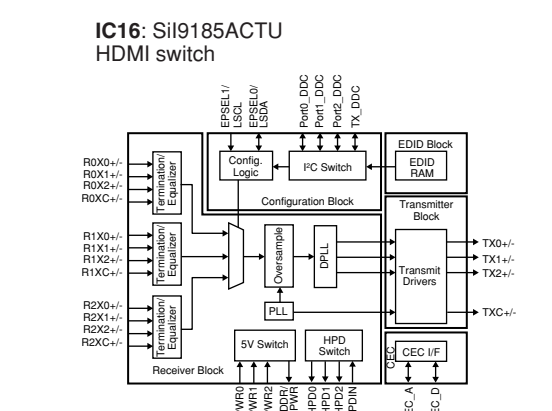
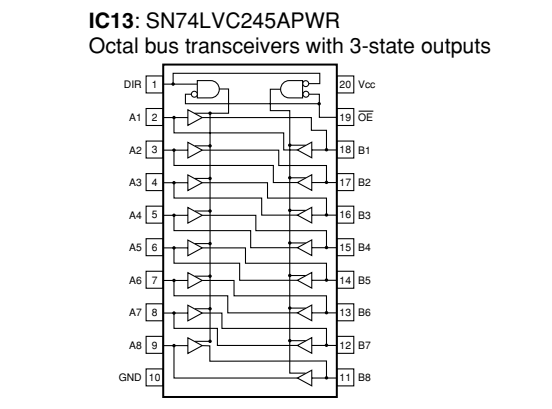
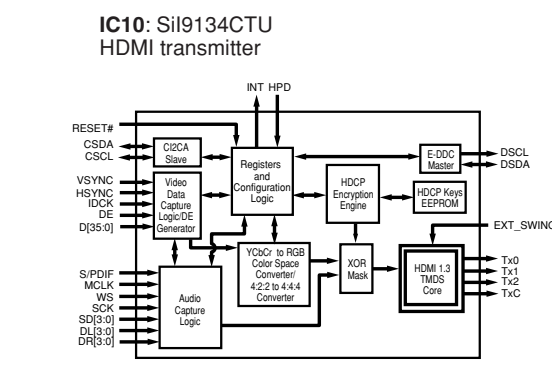
COMPONENTS

REF. MARK	PARTS NAME	QTY
RES101	RESISTOR	1
RES102	RESISTOR	1
RES103	RESISTOR	1
RES104	RESISTOR	1
RES105	RESISTOR	1
RES106	RESISTOR	1
RES107	RESISTOR	1
RES108	RESISTOR	1
RES109	RESISTOR	1
RES110	RESISTOR	1
RES111	RESISTOR	1
RES112	RESISTOR	1
RES113	RESISTOR	1
RES114	RESISTOR	1
RES115	RESISTOR	1
RES116	RESISTOR	1
RES117	RESISTOR	1
RES118	RESISTOR	1
RES119	RESISTOR	1
RES120	RESISTOR	1
RES121	RESISTOR	1
RES122	RESISTOR	1
RES123	RESISTOR	1
RES124	RESISTOR	1
RES125	RESISTOR	1
RES126	RESISTOR	1
RES127	RESISTOR	1
RES128	RESISTOR	1
RES129	RESISTOR	1
RES130	RESISTOR	1
RES131	RESISTOR	1
RES132	RESISTOR	1
RES133	RESISTOR	1
RES134	RESISTOR	1
RES135	RESISTOR	1
RES136	RESISTOR	1
RES137	RESISTOR	1
RES138	RESISTOR	1
RES139	RESISTOR	1
RES140	RESISTOR	1
RES141	RESISTOR	1
RES142	RESISTOR	1
RES143	RESISTOR	1
RES144	RESISTOR	1
RES145	RESISTOR	1
RES146	RESISTOR	1
RES147	RESISTOR	1
RES148	RESISTOR	1
RES149	RESISTOR	1
RES150	RESISTOR	1
RES151	RESISTOR	1
RES152	RESISTOR	1
RES153	RESISTOR	1
RES154	RESISTOR	1
RES155	RESISTOR	1
RES156	RESISTOR	1
RES157	RESISTOR	1
RES158	RESISTOR	1
RES159	RESISTOR	1
RES160	RESISTOR	1
RES161	RESISTOR	1
RES162	RESISTOR	1
RES163	RESISTOR	1
RES164	RESISTOR	1
RES165	RESISTOR	1
RES166	RESISTOR	1
RES167	RESISTOR	1
RES168	RESISTOR	1
RES169	RESISTOR	1
RES170	RESISTOR	1
RES171	RESISTOR	1
RES172	RESISTOR	1
RES173	RESISTOR	1
RES174	RESISTOR	1
RES175	RESISTOR	1
RES176	RESISTOR	1
RES177	RESISTOR	1
RES178	RESISTOR	1
RES179	RESISTOR	1
RES180	RESISTOR	1
RES181	RESISTOR	1
RES182	RESISTOR	1
RES183	RESISTOR	1
RES184	RESISTOR	1
RES185	RESISTOR	1
RES186	RESISTOR	1
RES187	RESISTOR	1
RES188	RESISTOR	1
RES189	RESISTOR	1
RES190	RESISTOR	1
RES191	RESISTOR	1
RES192	RESISTOR	1
RES193	RESISTOR	1
RES194	RESISTOR	1
RES195	RESISTOR	1
RES196	RESISTOR	1
RES197	RESISTOR	1
RES198	RESISTOR	1
RES199	RESISTOR	1
RES200	RESISTOR	1



Pin List

Pin No.	Symbol	DSP-AX863	RX-V863/HTR-6180	RX-V863	DSP-AX863SE	RX-V863SE/HTR-6180SE	RX-V863SE
1	VDD						
2	CE						
3	NC						
4	VDD						
5	VOUT						
6	CE						
7	VDD						
8	CE						
9	VDD						
10	CE						
11	VDD						
12	CE						
13	VDD						
14	CE						
15	VDD						
16	CE						
17	VDD						
18	CE						
19	VDD						
20	CE						
21	VDD						
22	CE						
23	VDD						
24	CE						
25	VDD						
26	CE						
27	VDD						
28	CE						
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32	CE						
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34	CE						
35	VDD						
36	CE						
37	VDD						
38	CE						
39	VDD						
40	CE						
41	VDD						
42	CE						
43	VDD						
44	CE						
45	VDD						
46	CE						
47	VDD						
48	CE						
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50	CE						
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62	CE						
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68	CE						
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84	CE						
85	VDD						
86	CE						
87	VDD						
88	CE						
89	VDD						
90	CE						
91	VDD						
92	CE						
93	VDD						
94	CE						
95	VDD						
96	CE						
97	VDD						
98	CE						
99	VDD						
100	CE						



\* All voltages are measured with a 10MΩ DC electronic voltmeter.  
 \* Components having special characteristics are marked with a dot, and must be replaced with parts having specifications equal to those originally installed.  
 \* Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。  
 ● \*印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。  
 ● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

DIGITAL 2/5

Page 114 [G9] to OPERATION (1)\_CB401

Page 115 [H4] to MAIN (1)\_W103

Page 115 [H4] to MAIN (1)\_W104

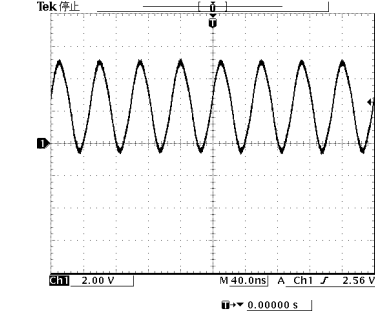
Page 113 [B7] to FUNCTION (3)\_W2501

Page 115 [K10] to MAIN (2)\_W113 (J model) to MAIN (2)

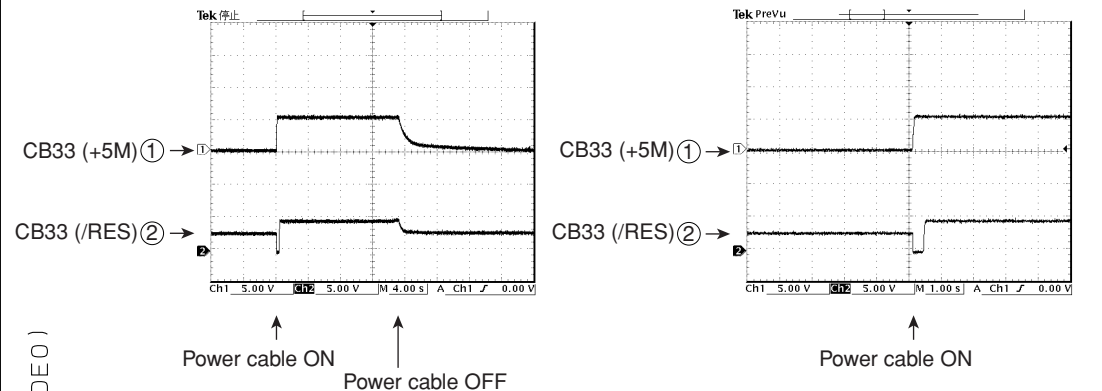
Page 112 [J5] to FUNCTION (1)\_W2506 (U model) to FUNC (1)

Page 112 [B8] to FUNCTION (1)\_CB206

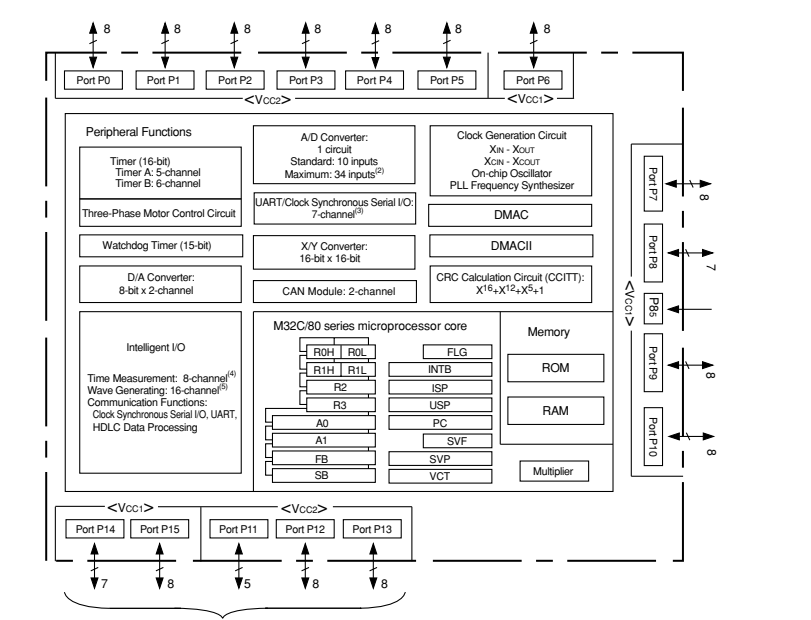
POINT (A-3) XL30 (Pin 20 of IC30)



POINT (C-2) (C-3) (1) CB33 (+5M), (2) CB33 (/RES)



IC30: M30878FJBGFP Single chip 16/32-bit microprocessor



NOTES: 1. Pins P11 to P15 are provided in the 144-pin package only. 2. Pin P16 is the master clock input. The input maximum is the 100-pin package. 3. External enable in the 100-pin package. 4. External enable in the 144-pin package. 5. External enable in the 100-pin package.

IC32: R1154H058B-T1-F Voltage regulator

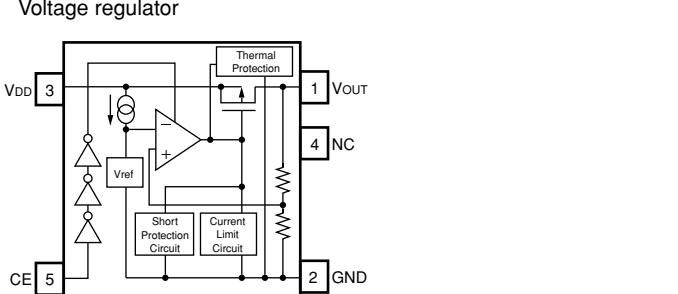
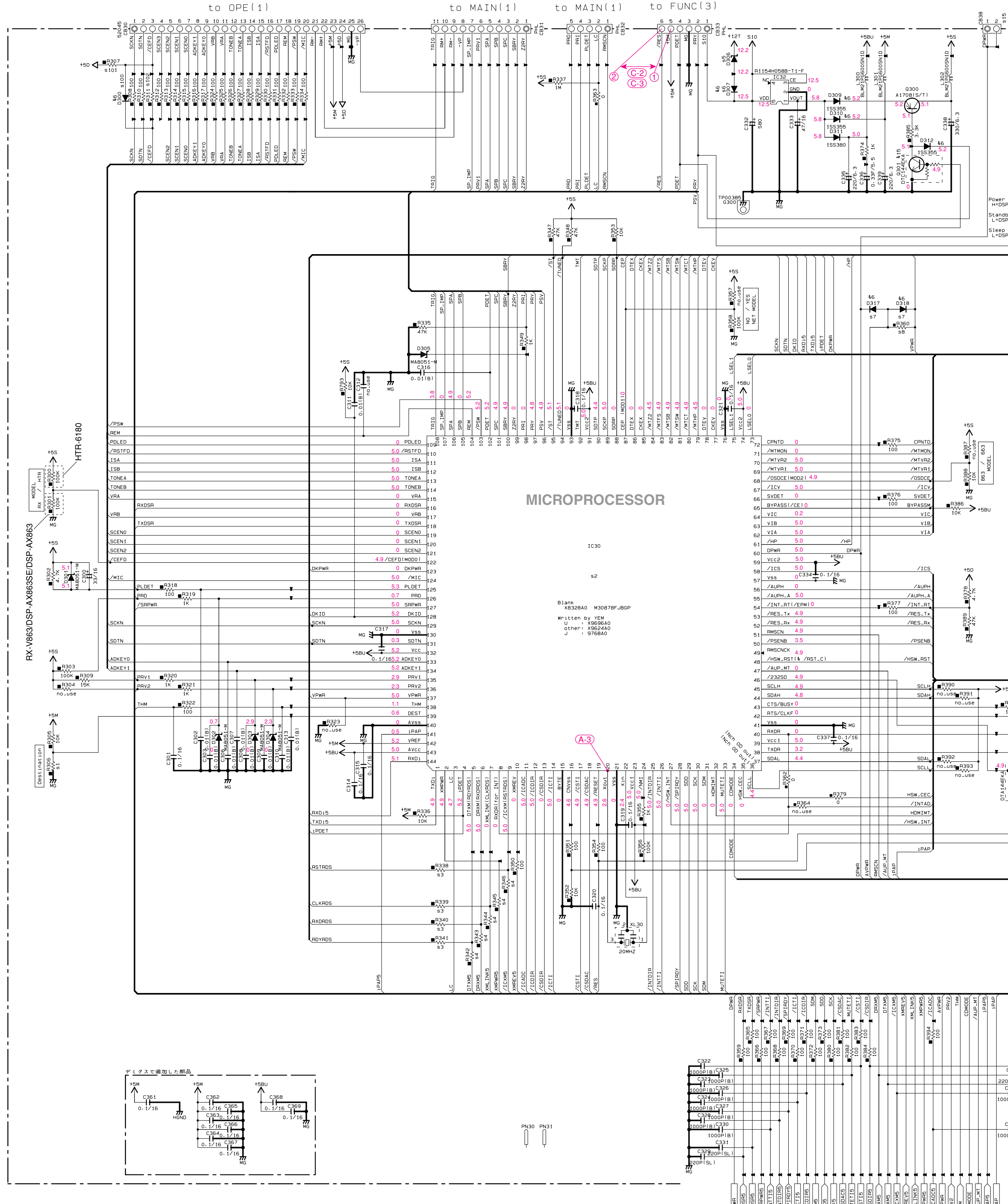


Table with 5 columns: Pin No., Symbol, Output Pin for Voltage Regulator, Description. Rows include GND, CE, NC, and Vcc.



\* All voltages are measured with a 10MΩ/V DC electronic voltmeter. \* Components having special characteristics are marked with a triangle and must be replaced with parts having specifications equal to those originally installed. \* Schematic diagram is subject to change without notice.

- 電圧は、内部抵抗10MΩの電圧計で測定したものです。 ● 印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。 ● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

NOTICE (model1) (J)..... JAPAN (U)..... U.S.A (C)..... CANADA (R)..... GENERAL (T)..... CHINA (K)..... KOREA (A)..... AUSTRALIA (B)..... BRITISH (G)..... EUROPE (L)..... SINGAPORE (E)..... SOUTH EUROPE (V)..... TAIWAN (F)..... RUSSIAN

Table with 2 columns: CAPACITOR, PARTS NAME. Lists various capacitor types like electrolytic, tantalum, ceramic, etc.

Table with 2 columns: RESISTOR, PARTS NAME. Lists various resistor types like carbon film, metal oxide film, etc.

\* S1-19:002.sht(u-com) \* S20-80:004.sht(DSP) \* S81-99:005.sht(DVIDE0)

Destination Part List table with columns for part numbers and models (DSP-AX863, RX-V863, DSP-AX863SE, RX-V863, HTR-6180).



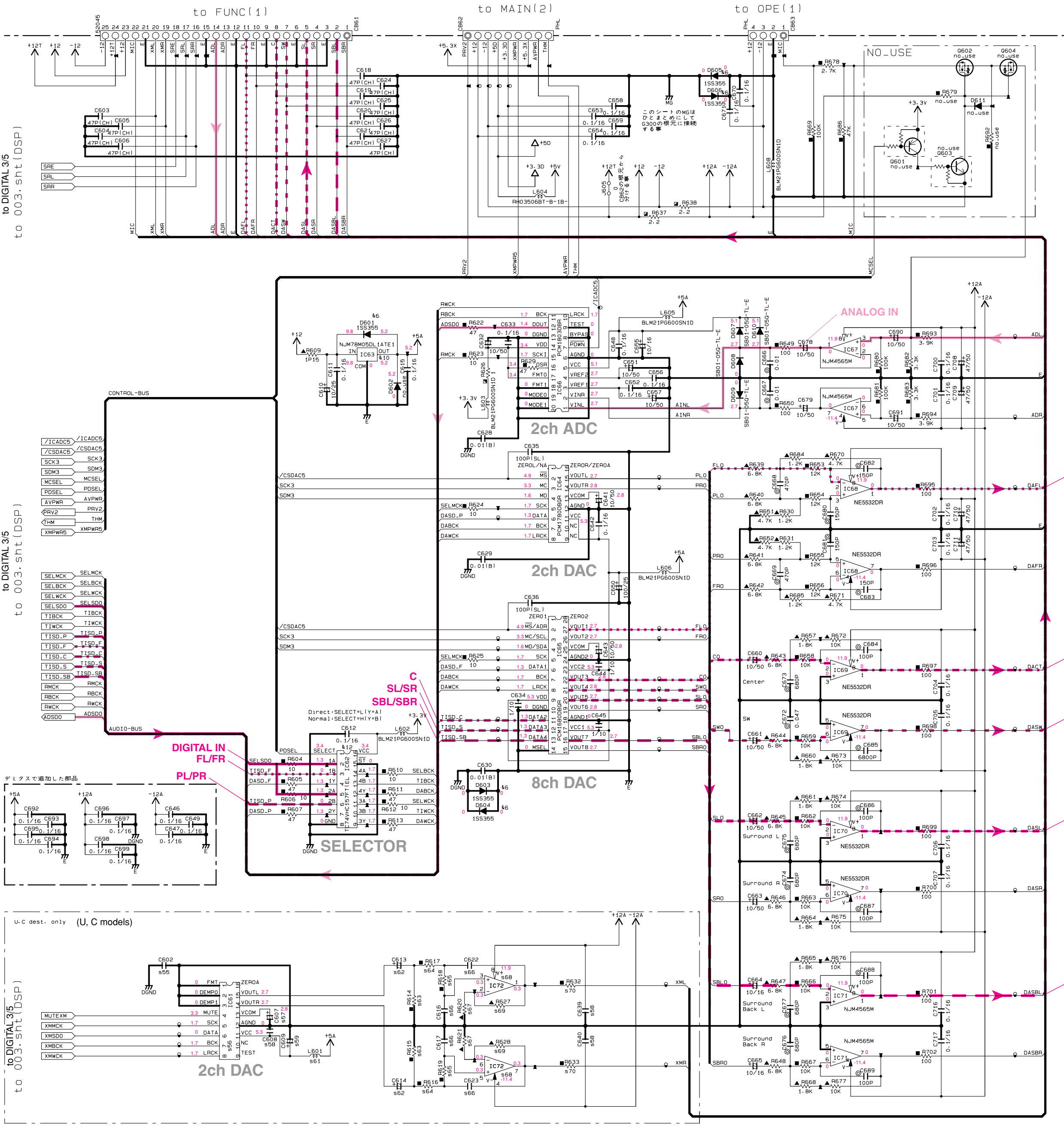


DIGITAL 4/5

Page 112 [A6]  
to FUNCTION (1)\_CB205

Page 115 [K9]  
to MAIN (2)\_W107

Page 114 [I9]  
to OPERATION (1)\_W401



Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
U1	U11169	GP1FAV51K0F
U2	U42-44	JR1165 GP1FAV5K0F
IC49	M1L6464A-5TG	K45641632K-UC60000
GA02	2SC3321A(B)	2SC3321A(B)
D112	150-152-154-156	155355
GA01	DT1146KA	KRC1025-RTX/P
GA01-403	NVRL1613R1N7B	SDV1608H100C05VP1
IC63	NJM78M05DL1E1	K1478M05P
IC64	PCM1781DBQR	Audio digital-to-analog converter
IC65	PCM1803DBR	Stereo A/D converter
IC66	PCM1680BQR	Audio digital-to-analog converter
IC67	NJM4565M	Dual operational amplifier
IC68	NE5532DR	Dual low-noise operational amplifiers

s1-19:002.sht(u-com)  
\*s20-80:004.sht(DSP)  
sB1-99:005.sht(DVIDEO)

Destination Part List

Mark	Reference Parts Number	Parts Name	DSP-AX863	RX-V863HTR-6180	RX-V863	DSP-AX863SE	RX-V863HTR-6180	RX-V863	HTR-6180
U1	U11169	GP1FAV51K0F	X	X	X	X	X	X	X
U2	U42-44	JR1165 GP1FAV5K0F	X	X	X	X	X	X	X
IC49	M1L6464A-5TG	K45641632K-UC60000	X	X	X	X	X	X	X
GA02	2SC3321A(B)	2SC3321A(B)	X	X	X	X	X	X	X
D112	150-152-154-156	155355	X	X	X	X	X	X	X
GA01	DT1146KA	KRC1025-RTX/P	X	X	X	X	X	X	X
GA01-403	NVRL1613R1N7B	SDV1608H100C05VP1	X	X	X	X	X	X	X
IC63	NJM78M05DL1E1	K1478M05P	X	X	X	X	X	X	X
IC64	PCM1781DBQR	Audio digital-to-analog converter	X	X	X	X	X	X	X
IC65	PCM1803DBR	Stereo A/D converter	X	X	X	X	X	X	X
IC66	PCM1680BQR	Audio digital-to-analog converter	X	X	X	X	X	X	X
IC67	NJM4565M	Dual operational amplifier	X	X	X	X	X	X	X
IC68	NE5532DR	Dual low-noise operational amplifiers	X	X	X	X	X	X	X

CAPACITOR

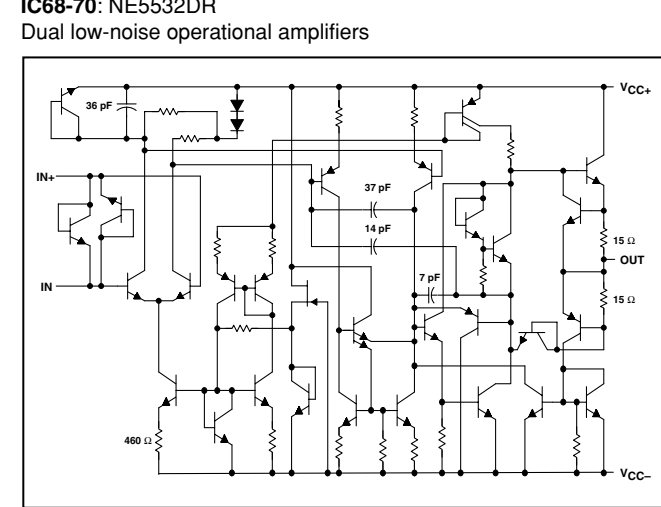
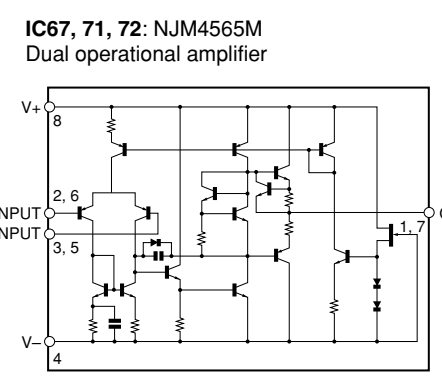
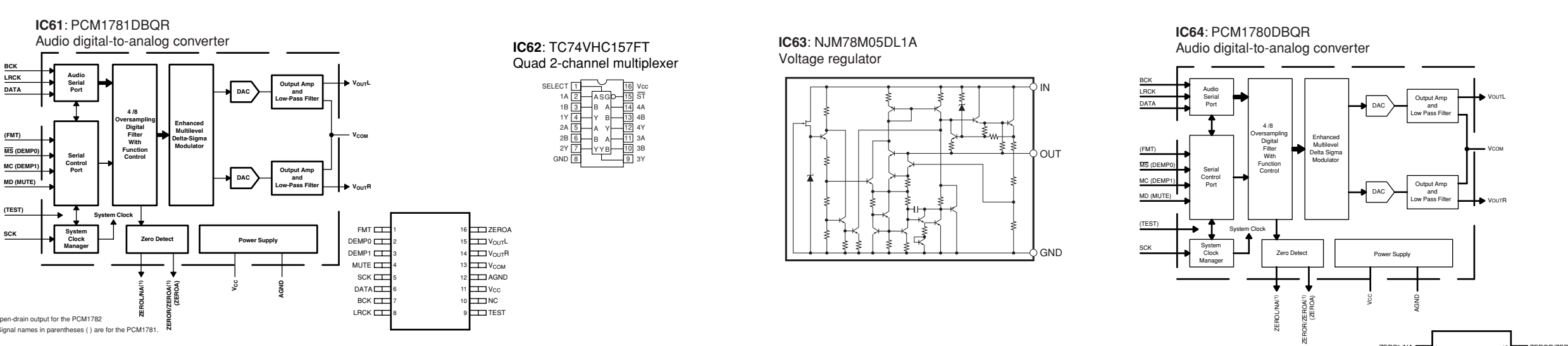
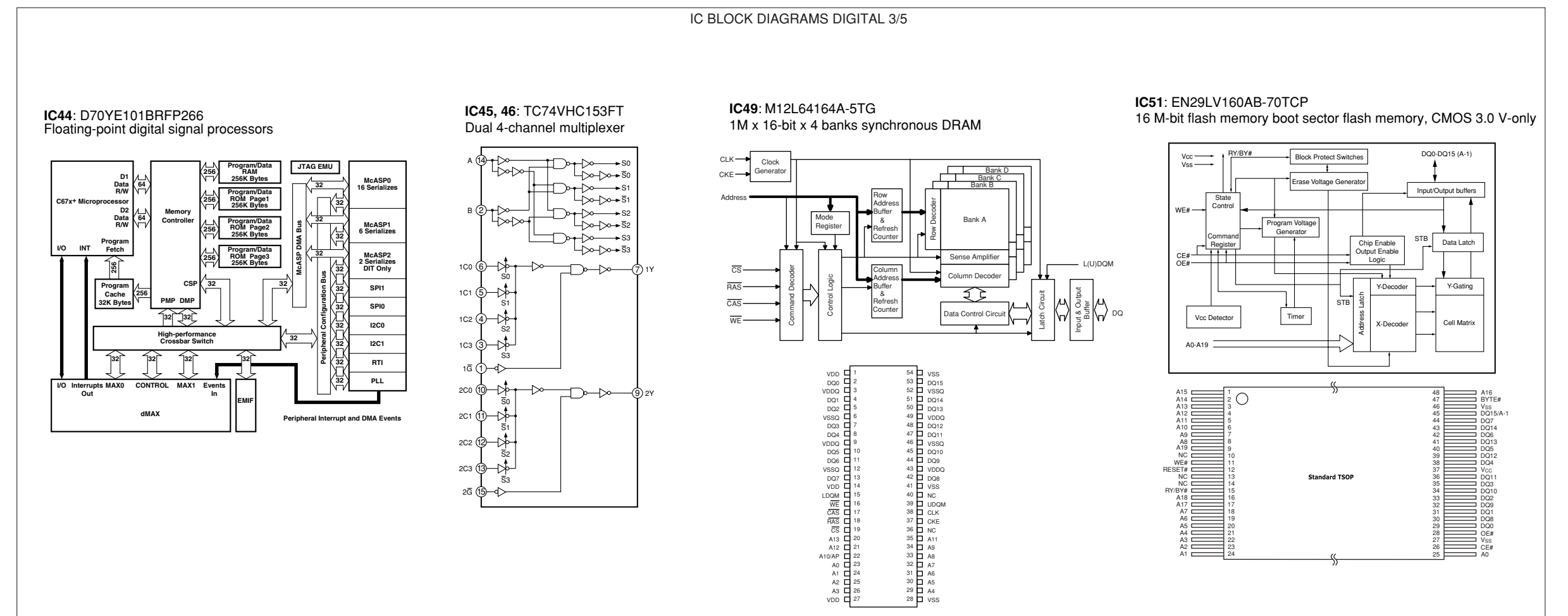
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	CERAMIC TUBULAR CAPACITOR
⊕	POLYESTER FILM CAPACITOR
⊖	POLYPROPYLENE FILM CAPACITOR
Ⓚ	MICA CAPACITOR
Ⓛ	POLYPROPYLENE FILM CAPACITOR
Ⓜ	SEMICONDUCTIVE CERAMIC CAPACITOR
Ⓝ	POLYPROPYLENE SULFIDE FILM CAPACITOR

RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
⊗	METAL OXIDE FILM RESISTOR
⊙	METAL FILM RESISTOR
⊕	FIRE PROOF CARBON FILM RESISTOR
Ⓚ	CEMENT MOLDED RESISTOR
Ⓛ	SEMI-VARIABLE RESISTOR
Ⓜ	CHIP RESISTOR

NOTICE (mode1)

(J)..... JAPAN  
(U)..... U.S.A.  
(C)..... CANADA  
(R)..... GENERAL  
(T)..... CHINA  
(K)..... KOREA  
(A)..... AUSTRALIA  
(B)..... BRITISH  
(G)..... EUROPE  
(L)..... SINGAPORE  
(E)..... SOUTH EUROPE  
(V)..... TAIWAN  
(F)..... RUSSIAN



★ All voltages are measured with a 10MΩ V DC electronic voltmeter.  
★ Components having special characteristics are marked with a star and must be replaced with parts having specifications equal to those originally installed.  
★ Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。  
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● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

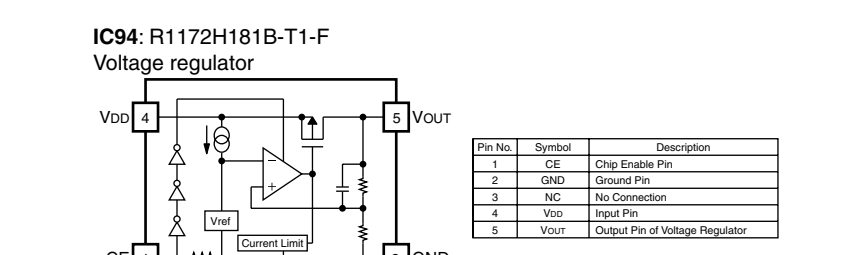
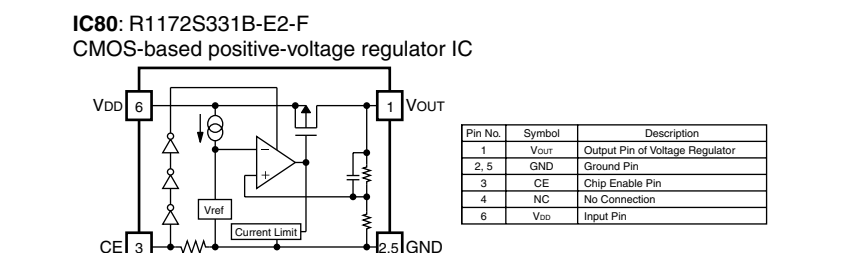
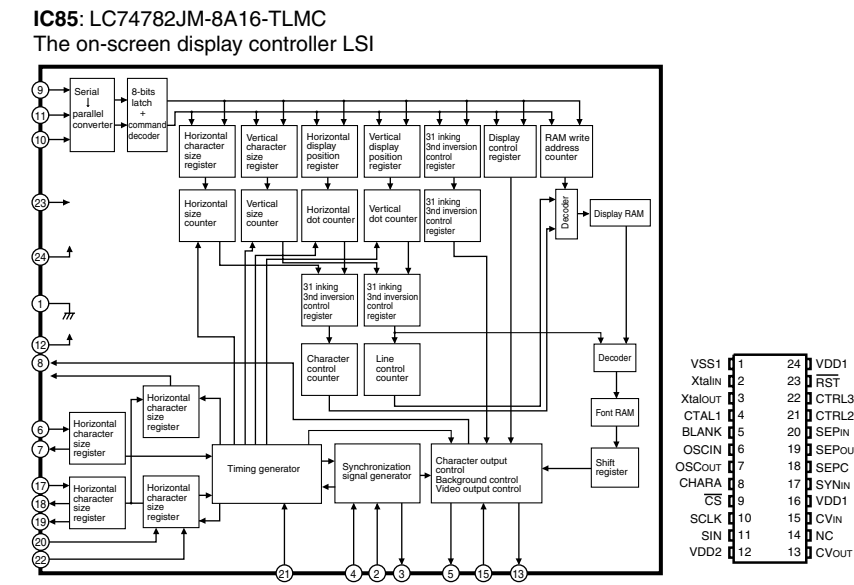
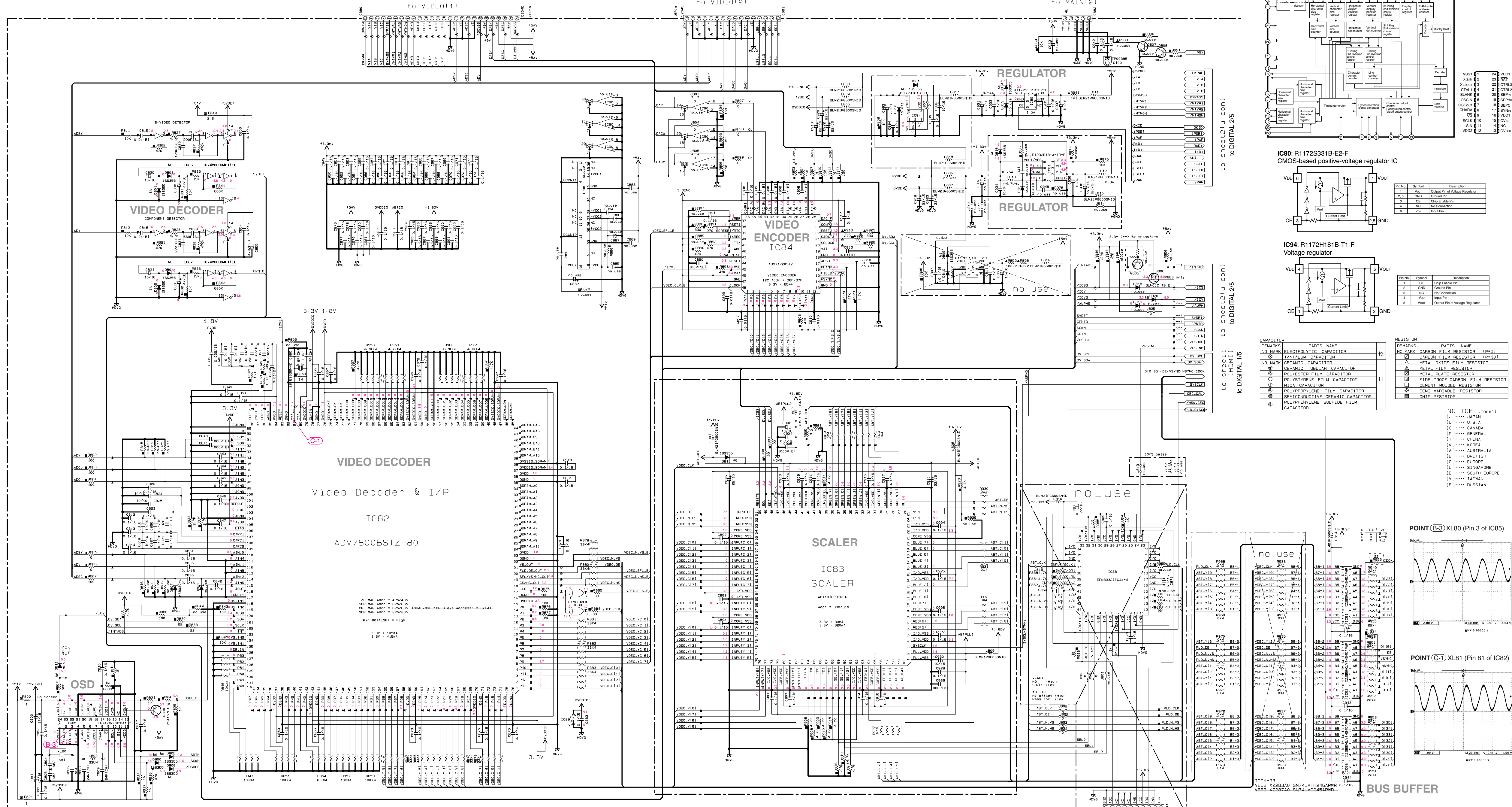
1OUT 1 6 VCC  
1IN 2 7 2OUT  
1IN 3 6 2IN  
VCC 4 5 2IN

DIGITAL 5/5

Page 116 [K6] to VIDEO (1)\_CB305

Page 117 [I9] to VIDEO (2)\_W109

Page 115 [K8] to MAIN (2)\_W109



CAPACITOR

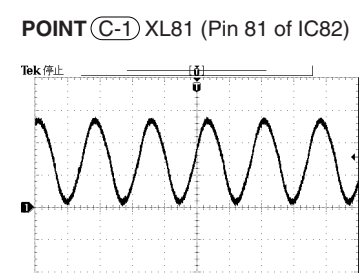
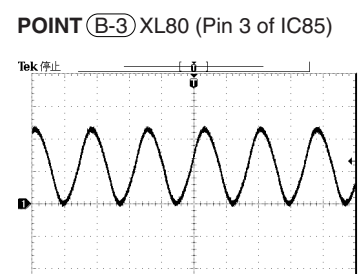
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
NO MARK	FILM RESISTOR
NO MARK	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
NO MARK	CERAMIC TUBULAR CAPACITOR
NO MARK	POLYESTER FILM CAPACITOR
NO MARK	POLYPROPYLENE FILM CAPACITOR
NO MARK	MICA CAPACITOR
NO MARK	POLYPROPYLENE FILM CAPACITOR
NO MARK	SEMICONDUCTIVE CERAMIC CAPACITOR
NO MARK	POLYPHENYLENE SULFIDE FILM CAPACITOR

RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
NO MARK	CARBON FILM RESISTOR (P=10)
NO MARK	METAL FILM RESISTOR
NO MARK	METAL PLATE RESISTOR
NO MARK	FILM THICK CARBON FILM RESISTOR
NO MARK	CEMENT MOLDED RESISTOR
NO MARK	SEMI VARIABLE RESISTOR
NO MARK	CHIP RESISTOR

NOTICE (mode1)

(J) JAPAN  
 (U) U.S.A.  
 (C) CANADA  
 (R) GENERAL  
 (I) CHINA  
 (K) KOREA  
 (A) AUSTRALIA  
 (B) BRITISH  
 (G) EUROPE  
 (L) SINGAPORE  
 (E) SOUTH EUROPE  
 (V) TAIWAN  
 (F) RUSSIAN

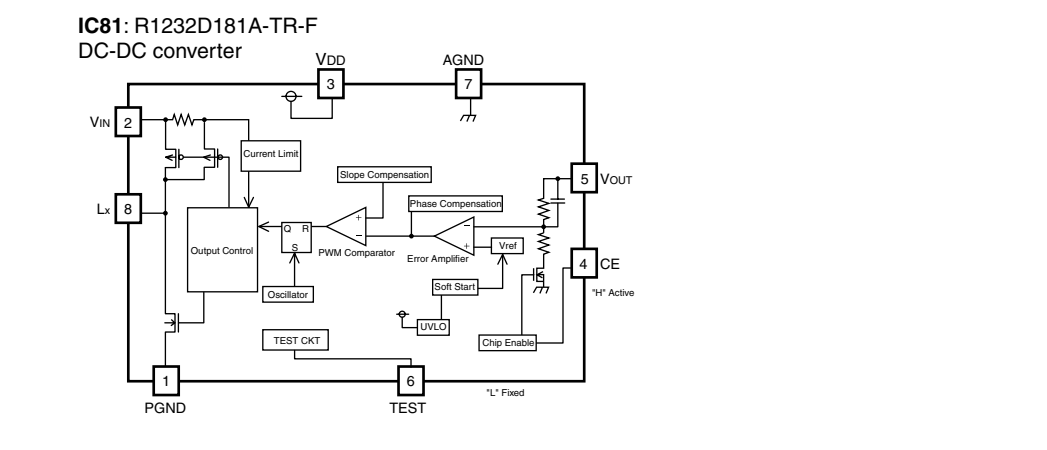
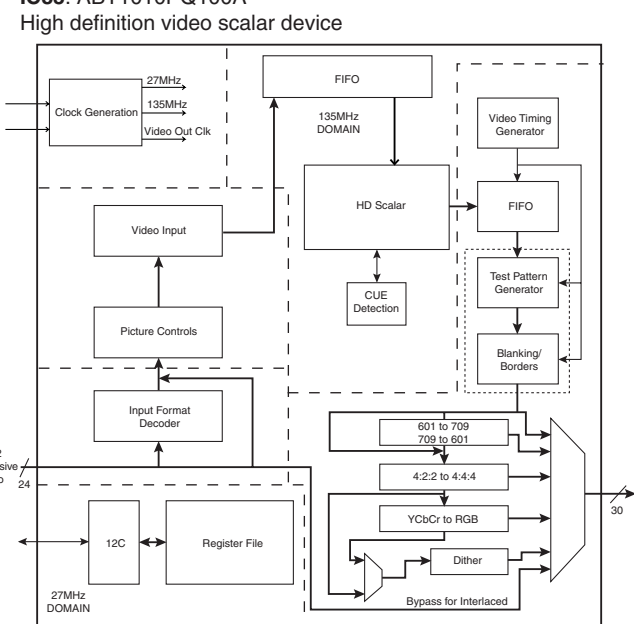
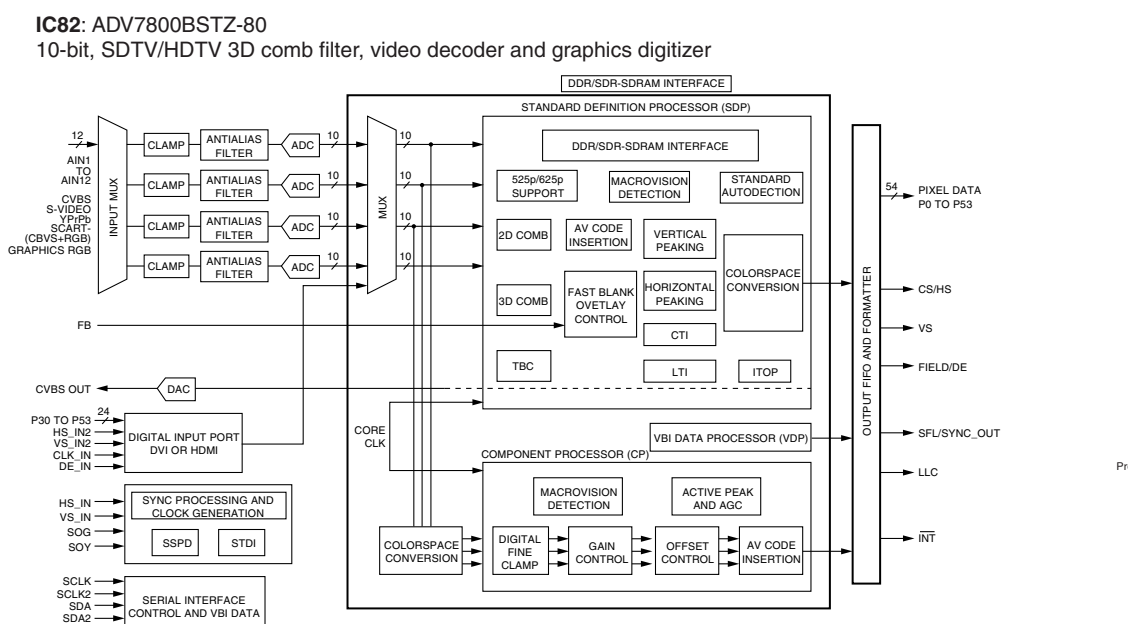
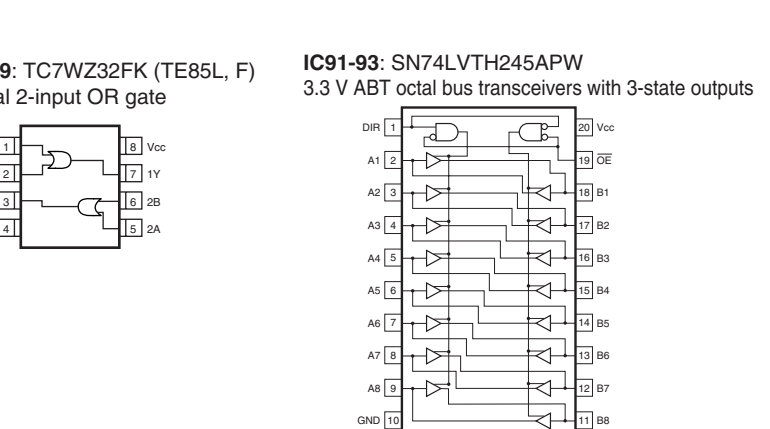
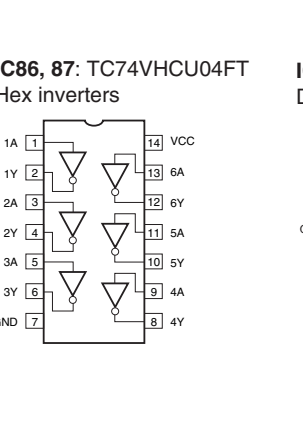
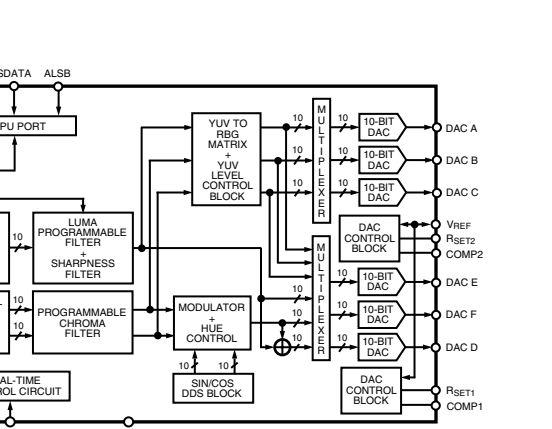
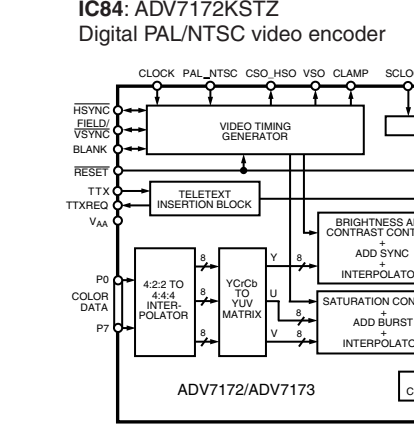


s1-19:002.sht(u-com)  
 s20-80:004.sht(DSP)  
 \*s81-99:005.sht(DVIDEO)

LOC	DISP AX863	RX-V863	DSP-AX863SE	RX-V863	DSP-AX863SE	RX-V863
481	ALB0	4800000	4800000	4800000	4800000	4800000
482	CB84	US6800	US6800	US6800	US6800	US6800
483	CB85	US6810	US6810	US6810	US6810	US6810
484	CB86	US6820	US6820	US6820	US6820	US6820
485	CB87	US6830	US6830	US6830	US6830	US6830
486	CB88	US6840	US6840	US6840	US6840	US6840
487	CB89	US6850	US6850	US6850	US6850	US6850

DVIDEO  
 CB1C/XL180-99  
 OTHER +800-999

DIGITAL (5)



\* All voltages are measured with a 10MΩ/V DC electronic voltmeter.  
 \* Components having special characteristics are marked \*1, and must be replaced with parts having specifications equal to those originally installed.  
 \* Schematic diagram is subject to change without notice.

●電圧は、内部抵抗10MΩの電圧計で測定したものです。  
 ●\*印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。  
 ●本回路図は標準回路図です。改良のため予告なく変更することがございます。



FUNCTION 2/2

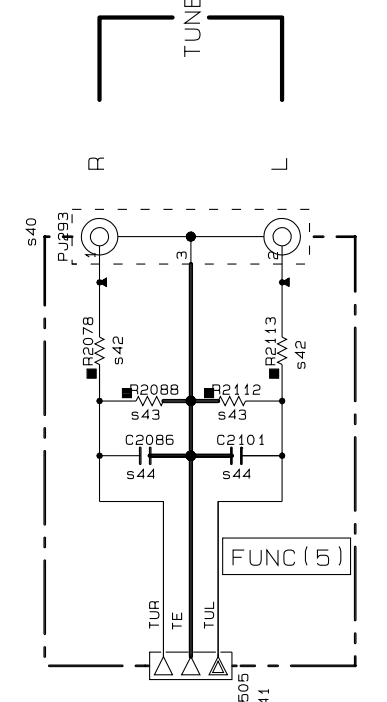
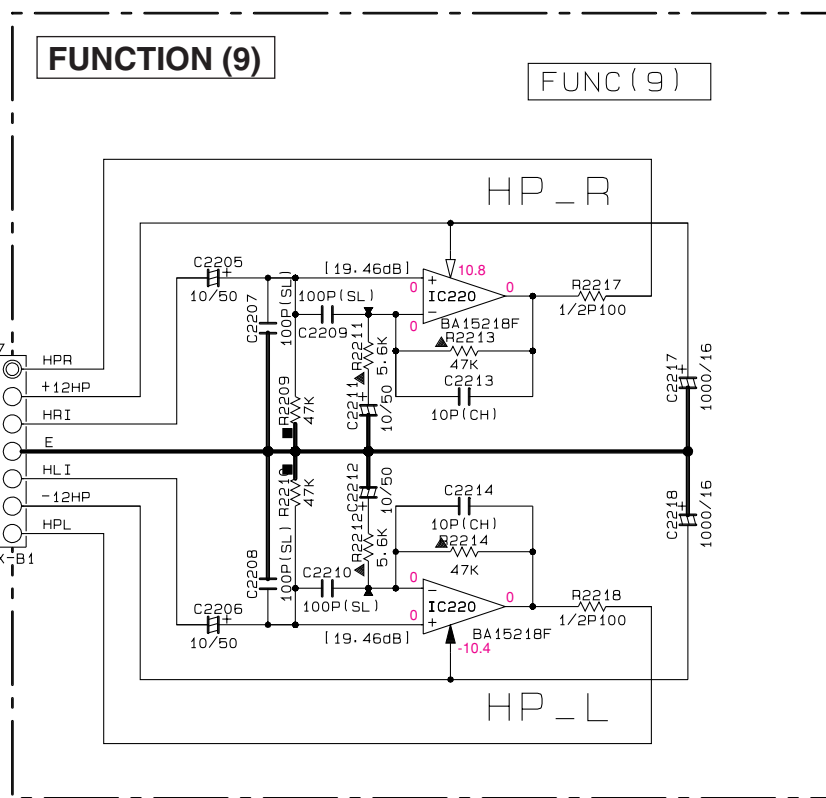
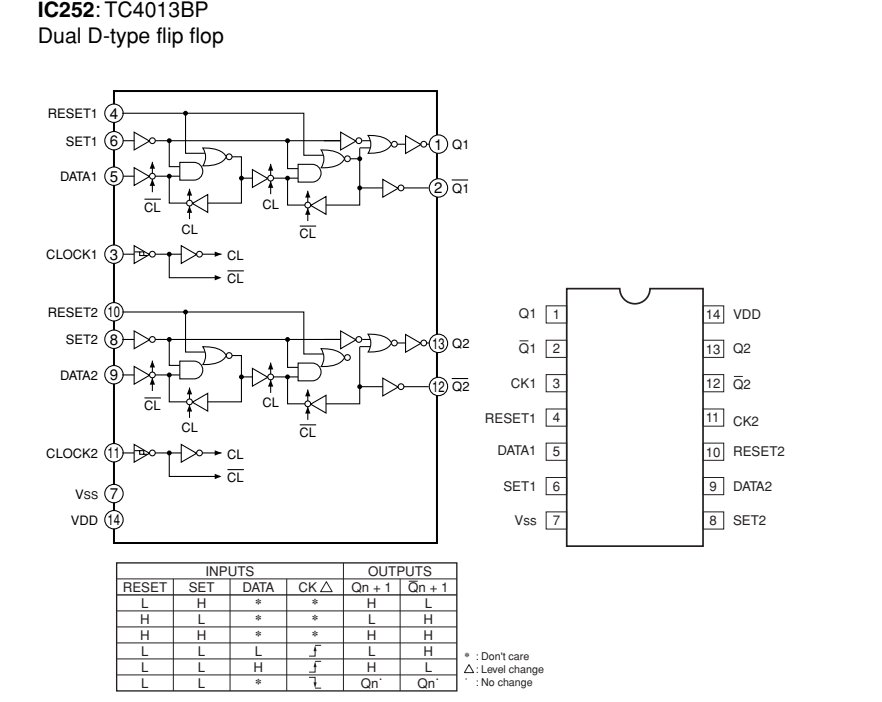
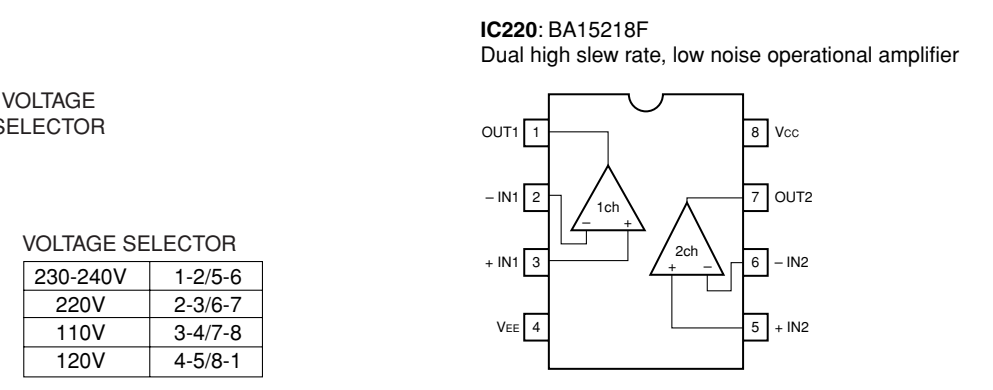
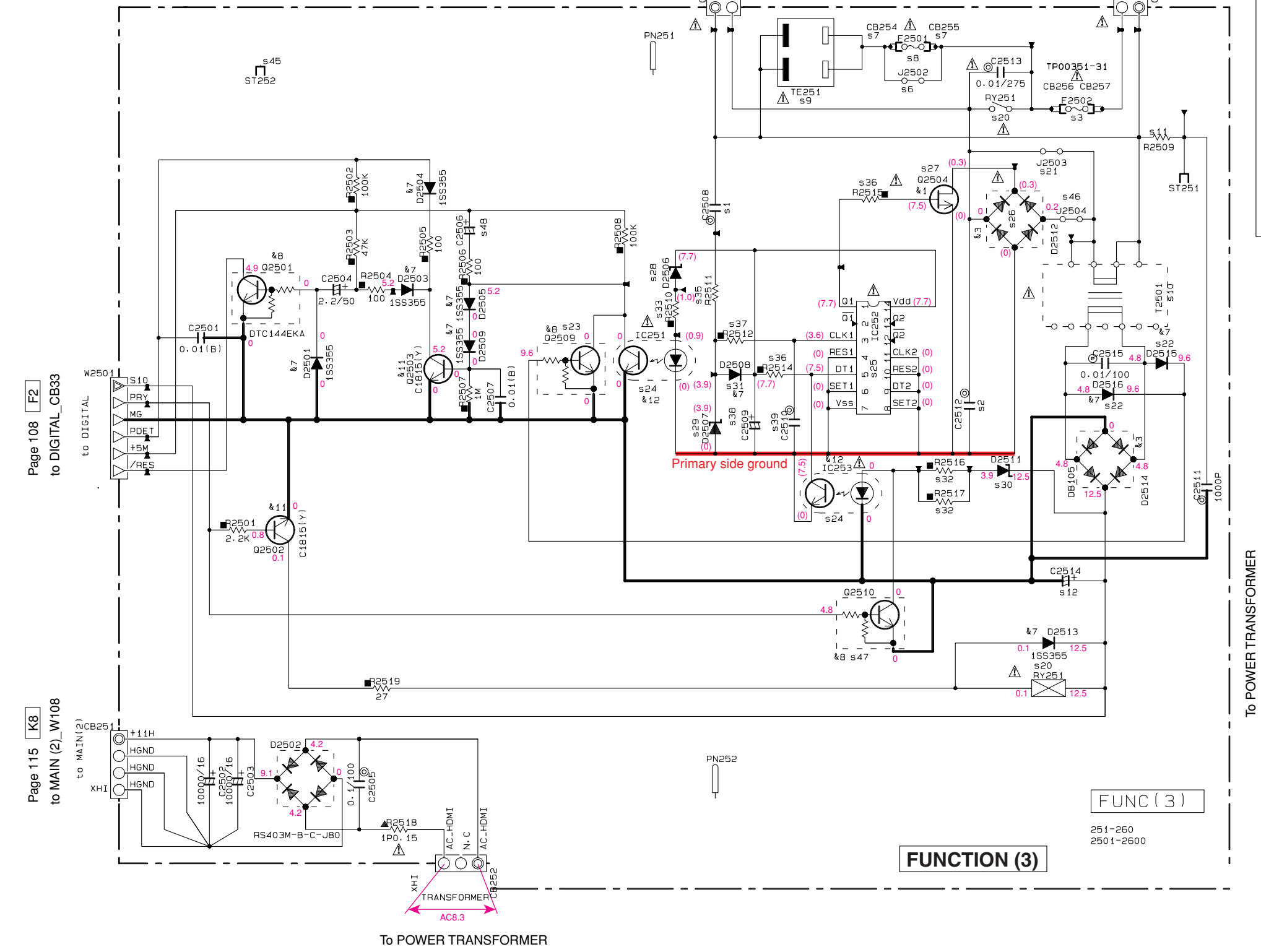
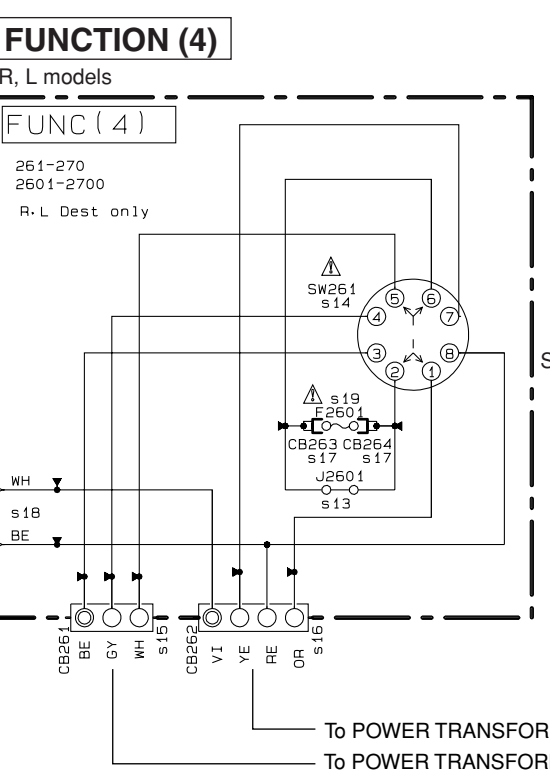
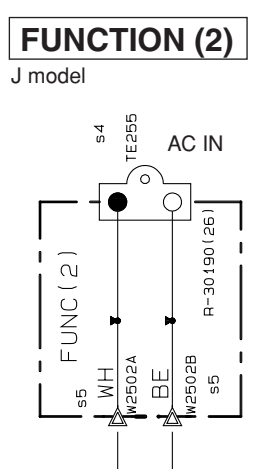
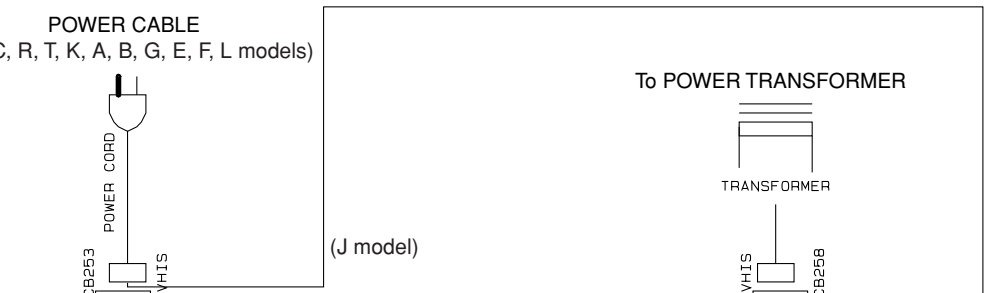
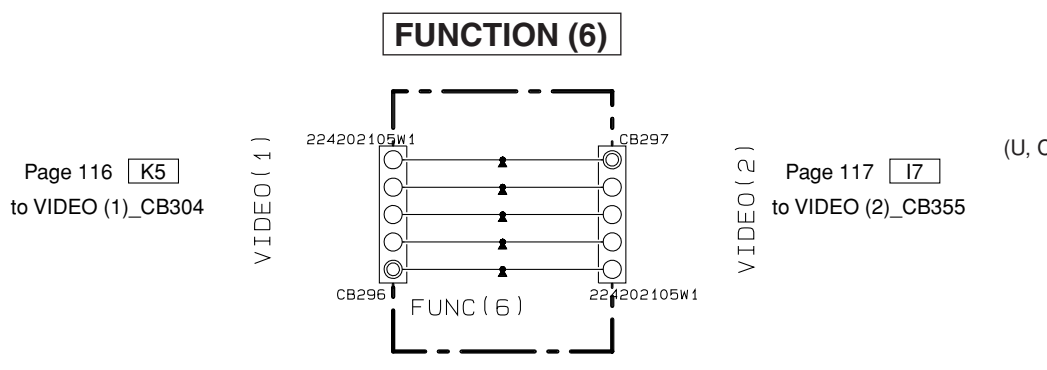


Table with 2 columns: REMARKS and PARTS NAME. Lists capacitor types such as ELECTROLYTIC CAPACITOR, TANTALUM CAPACITOR, CERAMIC CAPACITOR, etc.

Table with 2 columns: REMARKS and PARTS NAME. Lists resistor types such as CARBON FILM RESISTOR (P=5), CARBON FILM RESISTOR (P=10), METAL OXIDE FILM RESISTOR, etc.

NOTICE (model) (J)..... JAPAN (U)..... U. S. A (C)..... CANADA (R)..... GENERAL (T)..... CHINA (K)..... KOREA (A)..... AUSTRALIA (B)..... BRITISH (G)..... EUROPE (L)..... SINGAPORE (E)..... SOUTH EUROPE (V)..... TAIWAN (F)..... RUSSIAN

Destination Part List table with columns for part numbers and model identifiers (SXX, LOC, J, U, R, C, T, A, B, GEF, L, K).



\* All voltages are measured with a 10MΩ/V DC electronic voltmeter. \* Components having special characteristics are marked with a dot, and must be replaced with parts having specifications equal to those originally installed. \* Schematic diagram is subject to change without notice.

OPERATION

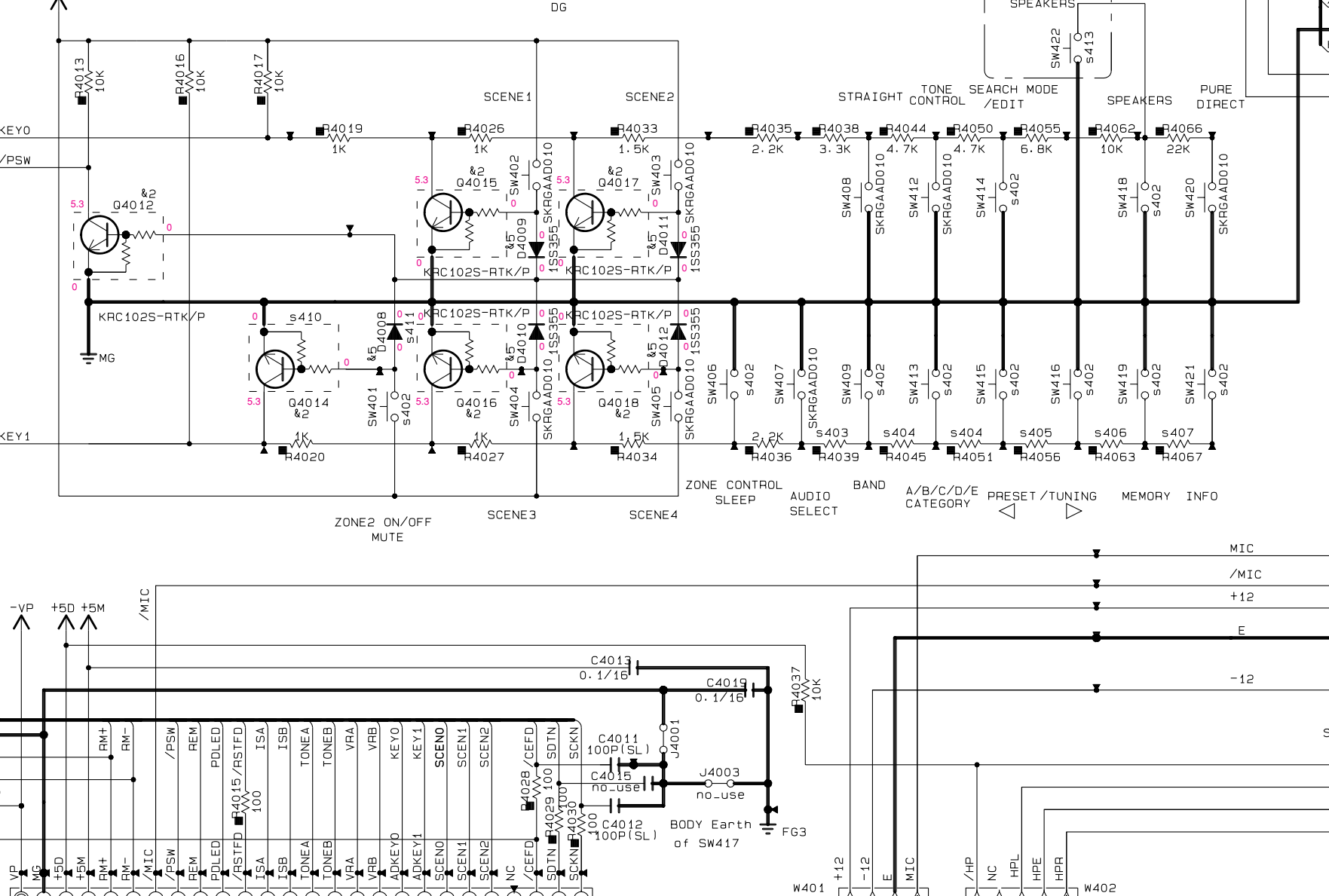
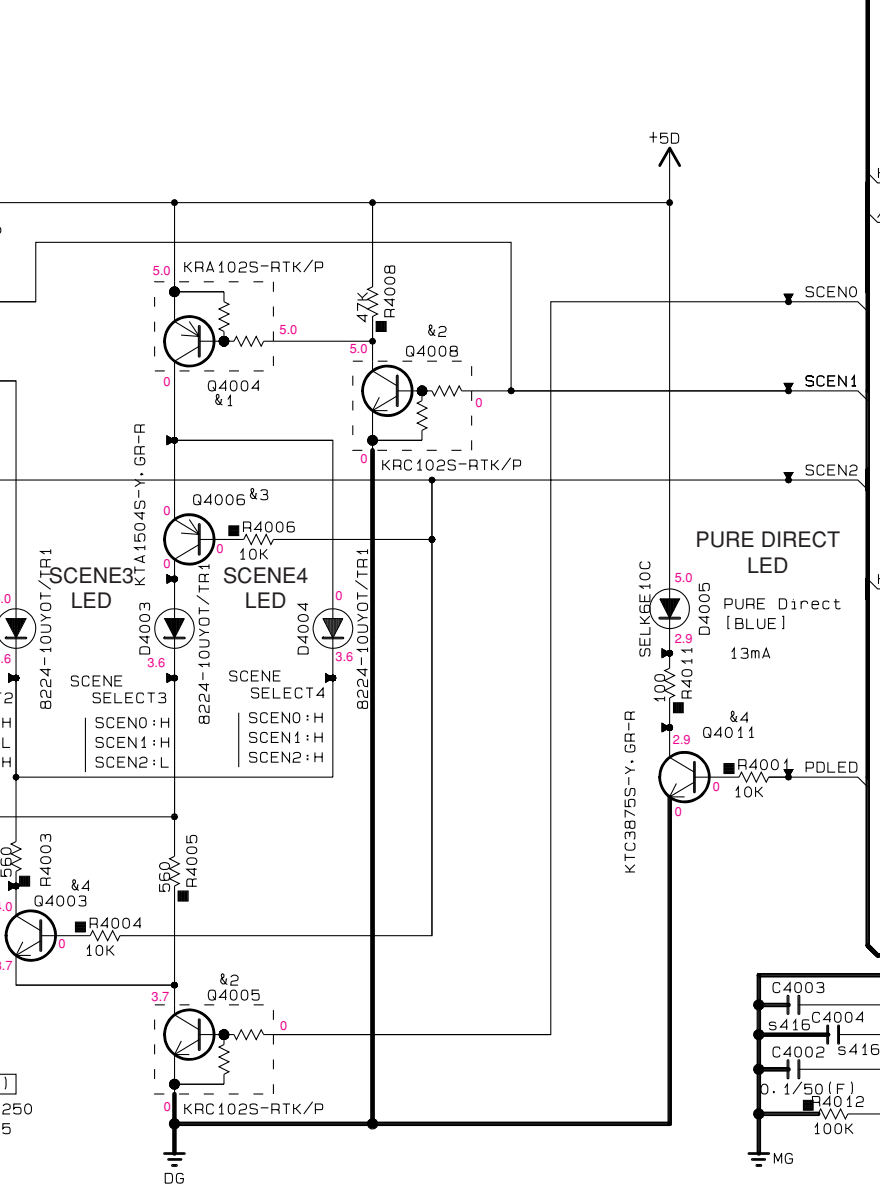
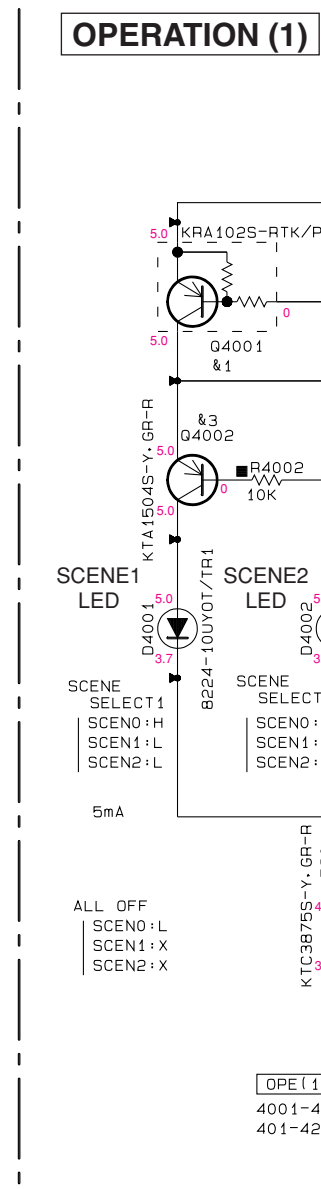
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
⊠	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
□	METAL FILM RESISTOR
⊞	METAL PLATE RESISTOR
⊞	FIRE PROOF CARBON FILM RESISTOR
⊞	CEMENT MOLDED RESISTOR
⊞	SEMI VARIABLE RESISTOR
⊞	CHIP RESISTOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	CERAMIC TUBULAR CAPACITOR
⊙	POLYESTER FILM CAPACITOR
⊙	POLYSTYRENE FILM CAPACITOR
⊙	MICA CAPACITOR
⊙	POLYPROPYLENE FILM CAPACITOR
⊙	SEMICONDUCTIVE CERAMIC CAPACITOR

NOTICE (model)  
 (J)..... JAPAN  
 (U)..... U.S.A  
 (C)..... CANADA  
 (R)..... GENERAL  
 (T)..... CHINA  
 (K)..... KOREA  
 (A)..... AUSTRALIA  
 (B)..... BRITISH  
 (G)..... EUROPE  
 (L)..... SINGAPORE  
 (E)..... SOUTH EUROPE  
 (V)..... TAIWAN  
 (F)..... RUSSIAN

Destination Part List	DSP-AX863	RX-V863	DSP-AX863SE	HTR-6180		
sXX	LOC	J	UCRTKAGEFL	B	UF	C
s402	SW415	WD48310	SKRGAAD010	X	RD35633	RD35633
	SW416	WD48310	SKRGAAD010	X	RD35647	RD35647
	SW421	WD48310	SKRGAAD010	X	RD35668	RD35668
	SW418	WD48310	SKRGAAD010	X	RD35710	RD35710
	SW414	WD48310	SKRGAAD010	X	RD35722	RD35722
	SW413	WD48310	SKRGAAD010	X	RD35710	RD35710
	SW406	WD48310	SKRGAAD010	X	RD35710	RD35710
s403	R4039	RD35633	RD35633	X	RD35633	RD35633
s404	R4045	RD35647	RD35647	X	RD35647	RD35647
s405	R4056	RD35668	RD35668	X	RD35668	RD35668
s406	R4063	RD35710	RD35710	X	RD35710	RD35710
s407	R4067	RD35722	RD35722	X	RD35722	RD35722
s408	R4061	X	RD35710	X	RD35710	X
s409	D4015	X	RD35710	X	RD35710	X
s410	D4014	WC43500	WC43500	X	WC43500	WC43500
s411	D4008	KRC102S-RTK/P	KRC102S-RTK/P	X	KRC102S-RTK/P	KRC102S-RTK/P
s413	SW422	X	WD48310	X	WD48310	X
s416	C4004	X	US96310	X	US96310	X
s421	SW424	X	WD48310	X	WD48310	X
s441	J4401	X	RD35000	X	RD35000	RD35000
s442	C4409	US13510	US13510	X	US13510	X

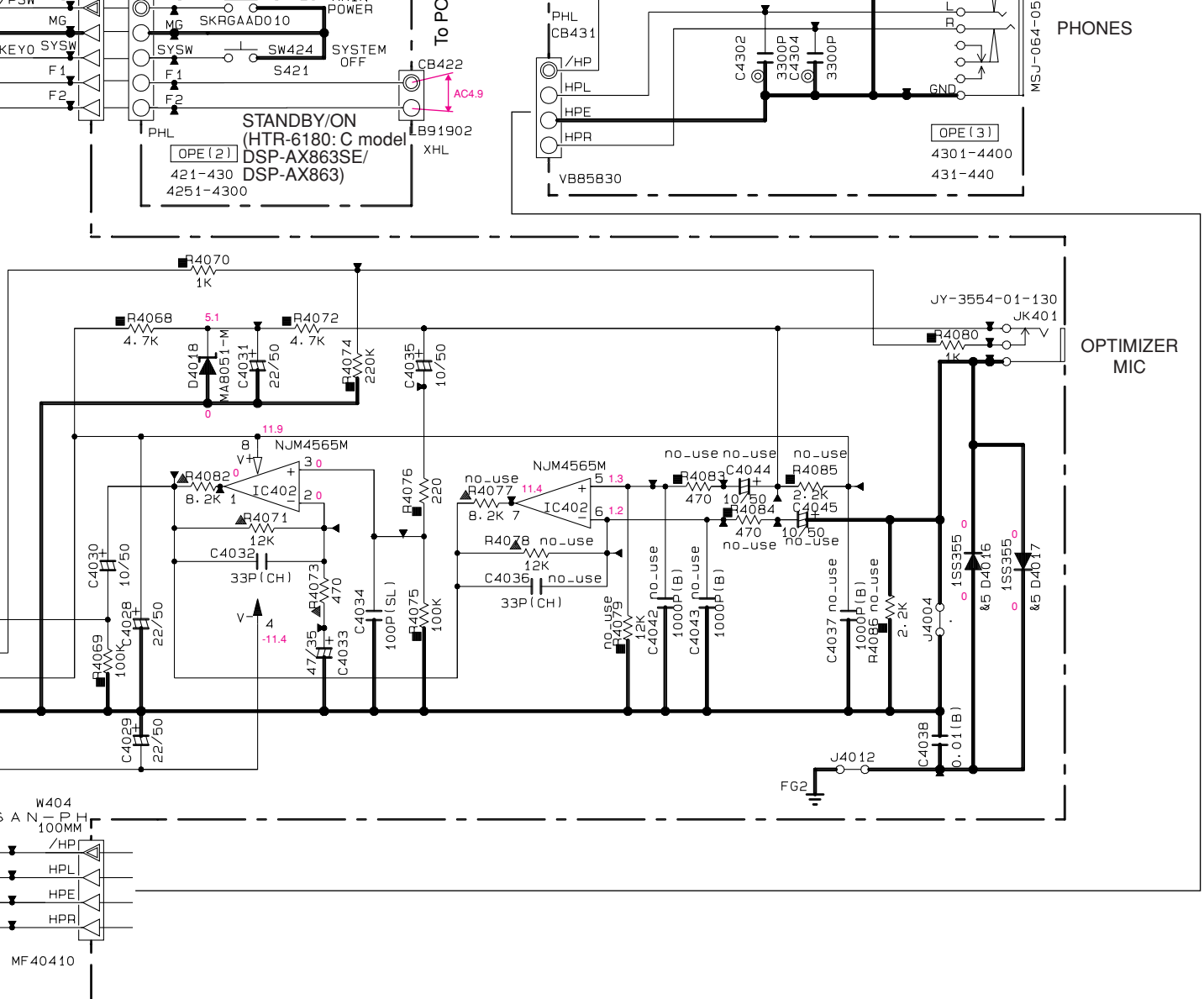
Mark	Reference Parts Number	Parts Name
k1	G4001-4004	KRA102S-RTK/P DTA114EKA
k2	G4005-4008-4012- G4014-4018	KTA1504S-Y-GR-RTK/P DTA114EKA
k3	G4002-4006	KTA1504S-Y-GR-RTK/P A1037AK1G/R/S1
k4	G4003-4007-4009-4011- 4019-4022	KTC3875S-Y-GR-RTK/P C2412K1G/R/S1 2800R(L/W/R)
k5	D4008-4012-4016-4017 4302-4303-4401-4404	ISS355 MA2J1110GL KDS150-RTK/P
k6	IC441	TC7SE132FU SN74AHC1632DCKR
k7	V401	17-BT-320NK HNA-17XMGST



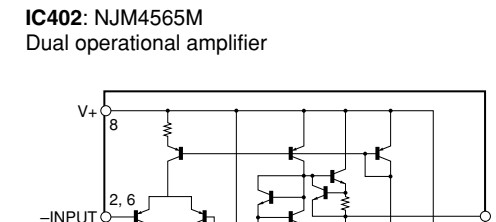
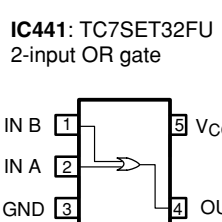
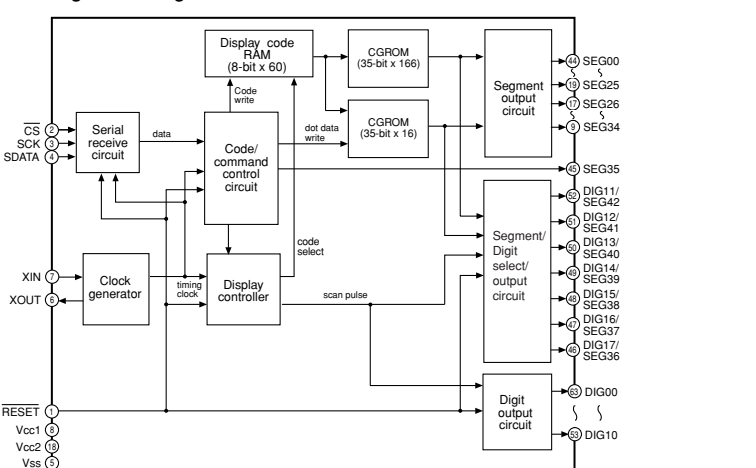
Page 108 [B2] to DIGITAL\_CB30

Page 110 [F2] to DIGITAL\_CB63

Page 112 [G8] to FUNCTION (1)\_CB221

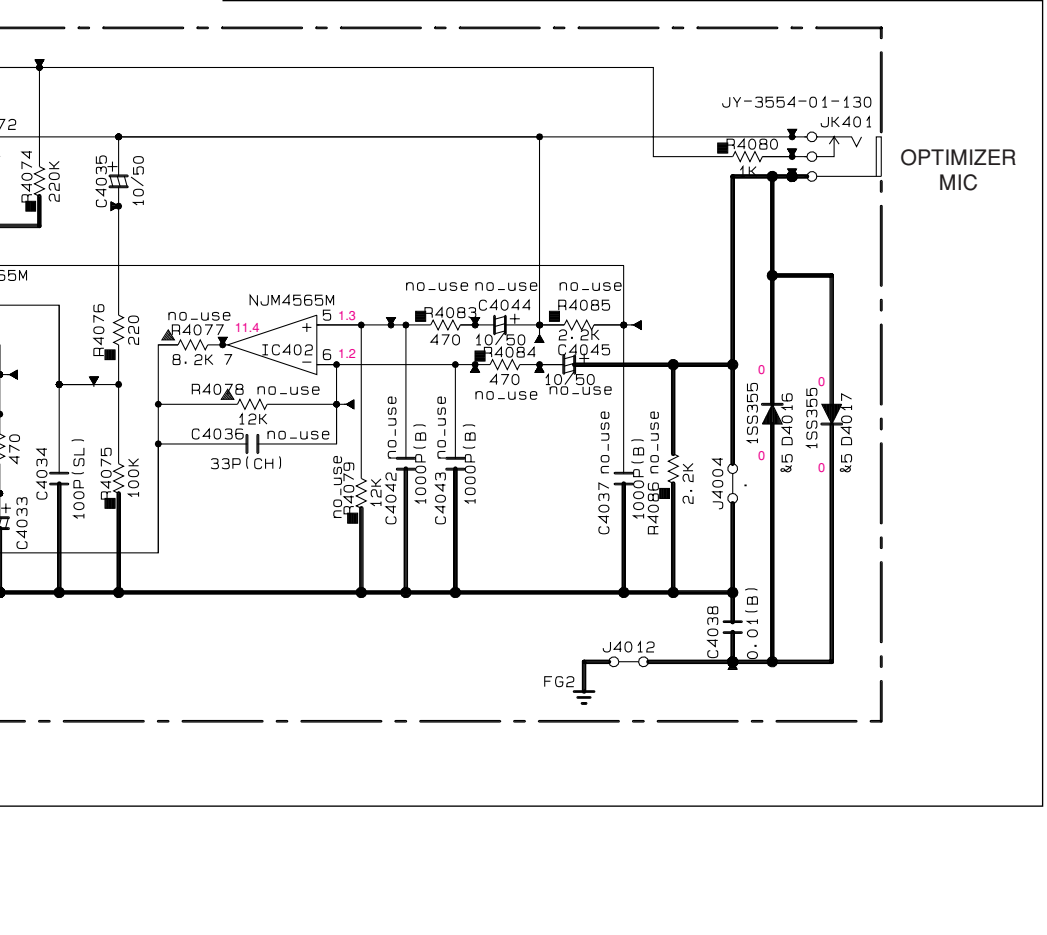
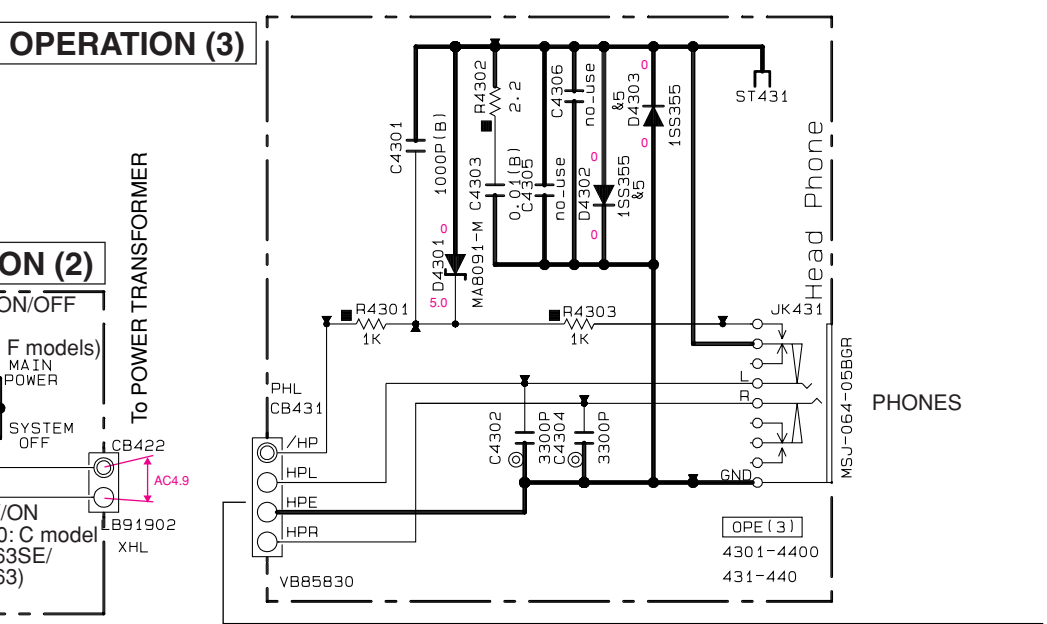
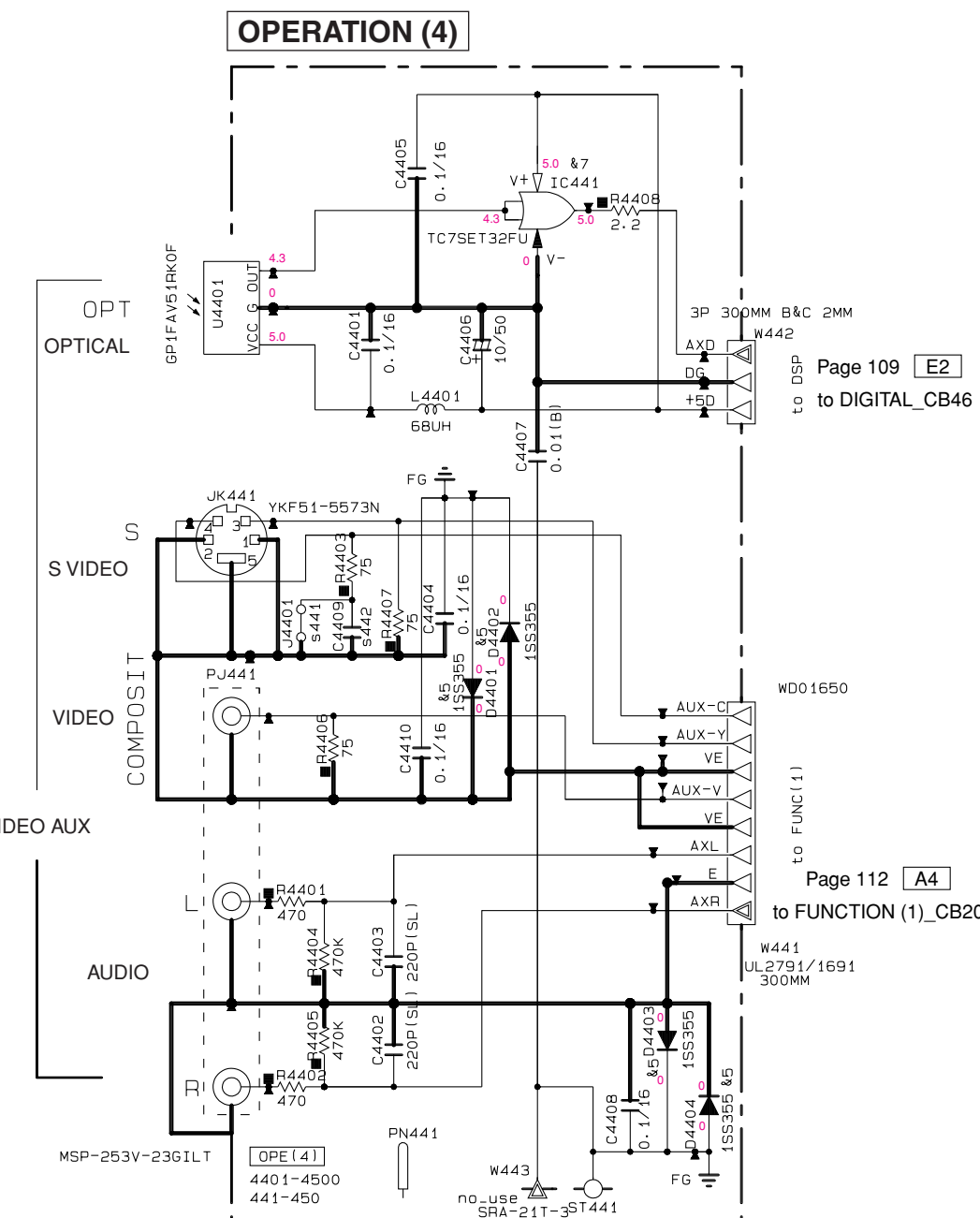


IC401: M66003-0131FP-R 18 digit 5 x 7 segment VFD controller/driver

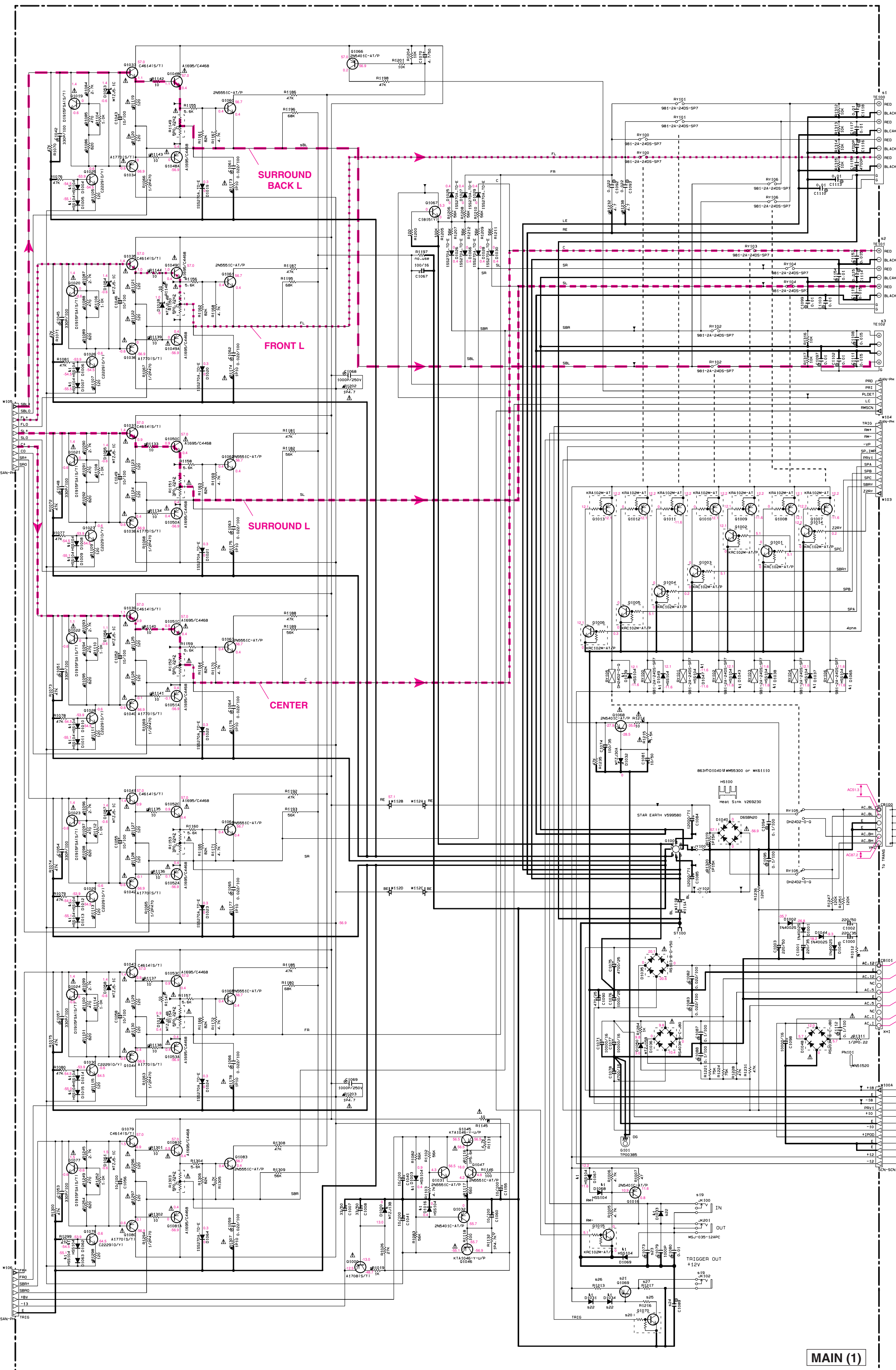


★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.  
 ★ Components having special characteristics are marked with a star and must be replaced with parts having specifications equal to those originally installed.  
 ★ Schematic diagram is subject to change without notice.

● 電圧は、内部抵抗10MΩの電圧計で測定したものです。  
 ● \*印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。  
 ● 本回路図は標準回路図です。改良のため予告なく変更することがございます。



MAIN



FRONT B/ZONE B/  
ZONE2/PRESENCE

FRONT A

SPEAKERS

CENTER

SURROUND

SURROUND BACK/  
BI-AMP

Page 108 [E2]  
to DIGITAL\_CB32

Page 108 [D2]  
to DIGITAL\_CB31

Page 112 [B]  
to FUNCTION (1)\_CB232

Page 112 [B]  
to FUNCTION (1)\_CB231

DESIGNATION	Part List	DSP-AX863	RX-V863/HTR-6180	RX-V863	RX-V863/HTR-6180	DSP-AX863E	HTR-6180
804	LOC	W07100	W07100	W07100	W07100	W07100	W07100
811	W100	W07100	W07100	W07100	W07100	W07100	W07100
812	IC100	X	X	X	X	X	X
814	D102	X	X	X	X	X	X
816	CI120	X	X	X	X	X	X
817	CI181	X	X	X	X	X	X
818	CI189	X	X	X	X	X	X
819	W100	X	X	X	X	X	X
820	CI070	X	X	X	X	X	X
821	CI009	X	X	X	X	X	X
822	CI014	X	X	X	X	X	X
823	CI073	X	X	X	X	X	X
824	CI080	X	X	X	X	X	X
825	CI216	X	X	X	X	X	X
826	CI213	X	X	X	X	X	X
827	CI217	X	X	X	X	X	X
828	W100	X	X	X	X	X	X

RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P#5)
□	CARBON FILM RESISTOR (P#10)
△	METAL OXIDE FILM RESISTOR
○	METAL FILM RESISTOR
◇	FILM THICK CARBON FILM RESISTOR
□	CEMENT MOUNTED RESISTOR
◇	SEMI-VARIABLE RESISTOR
○	GRID RESISTOR

CAPACITOR

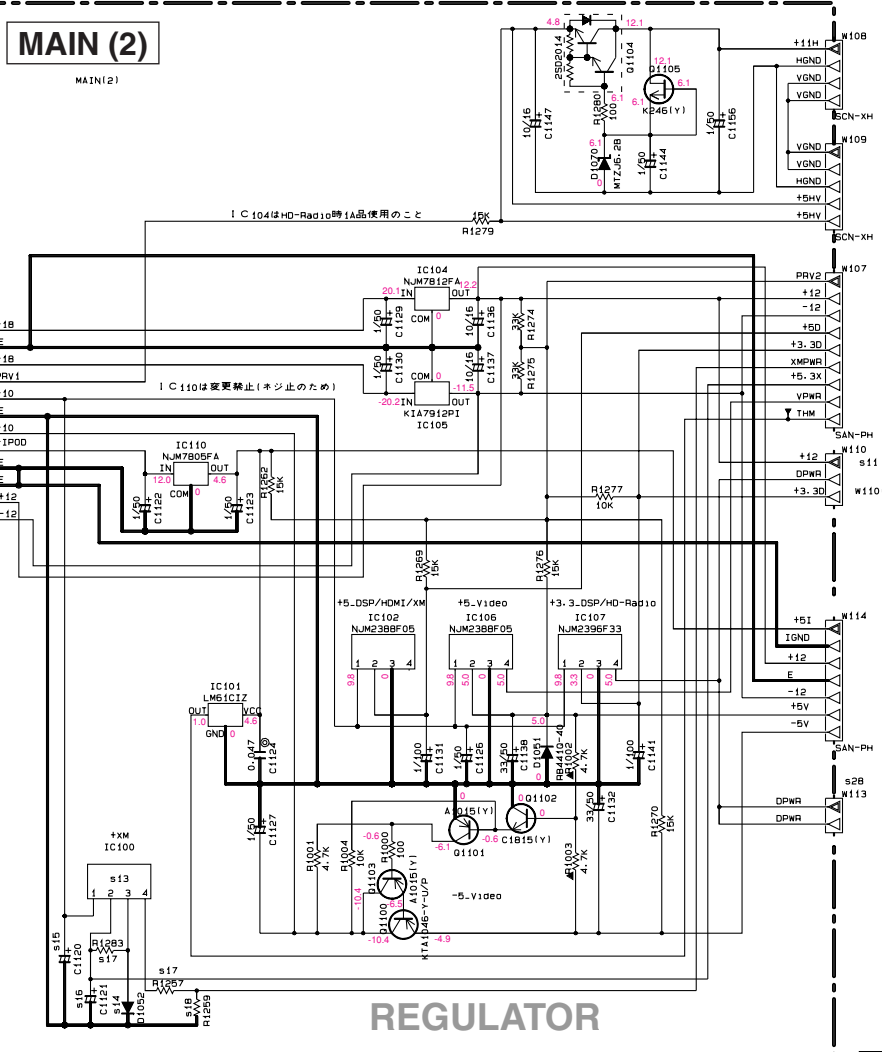
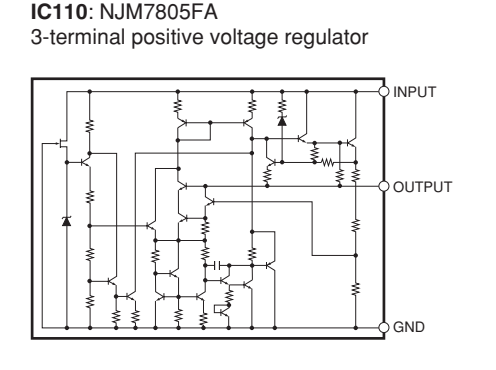
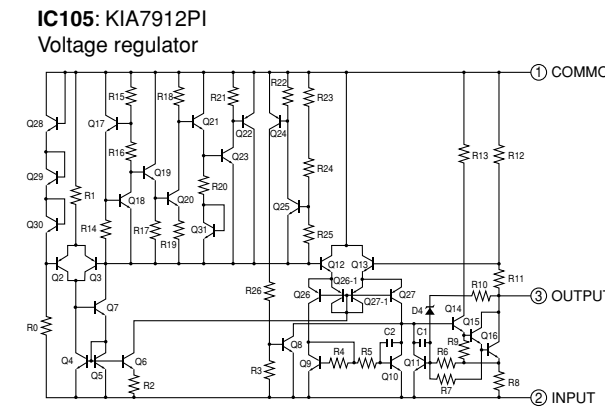
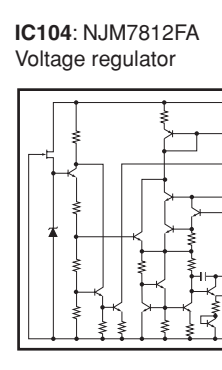
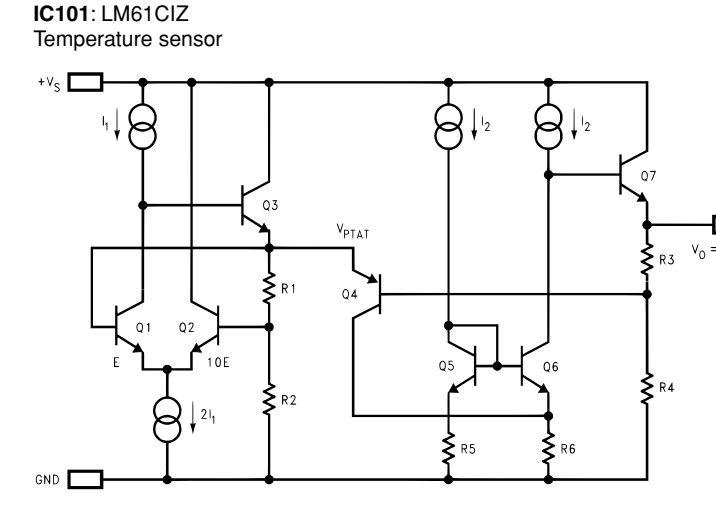
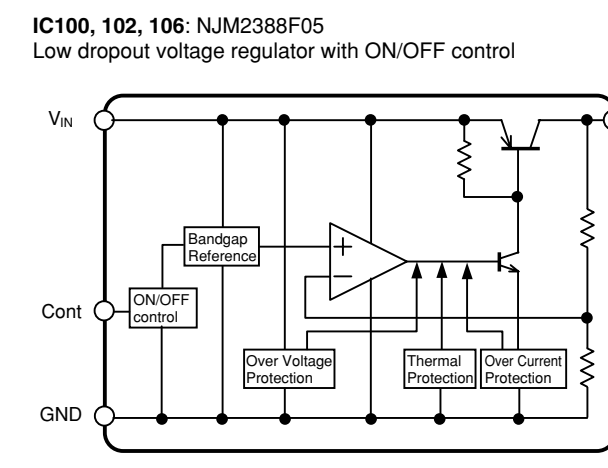
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
□	TANTALUM CAPACITOR
○	NO MARK CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
○	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
○	MILK CAPACITOR
○	POLYPROPYLENE FILM CAPACITOR
○	SEMICONDUCTIVE CERAMIC CAPACITOR

NOTICE (model)

(J) JAPAN  
(U) U.S.A.  
(C) CANADA  
(R) GENERAL  
(T) CHINA  
(K) KOREA  
(A) AUSTRALIA  
(B) BRITISH  
(G) EUROPE  
(L) SINGAPORE  
(E) SOUTH EUROPE  
(V) TAIWAN  
(F) RUSSIA

Interchangeable Parts at Manufacture Stage

Model	Interchange Part Number	Part Name
81	1000-1004-1001-1009	W07100
82	1004-1005-1006-1007	W07100
83	1004-1006-1005	100176
84	1004-1007-1008	100176



Page 113 [B9]  
to FUNCTION (3)\_CB251

Page 111 [J2]  
to DIGITAL\_CB82

Page 110 [D2]  
to DIGITAL\_CB62

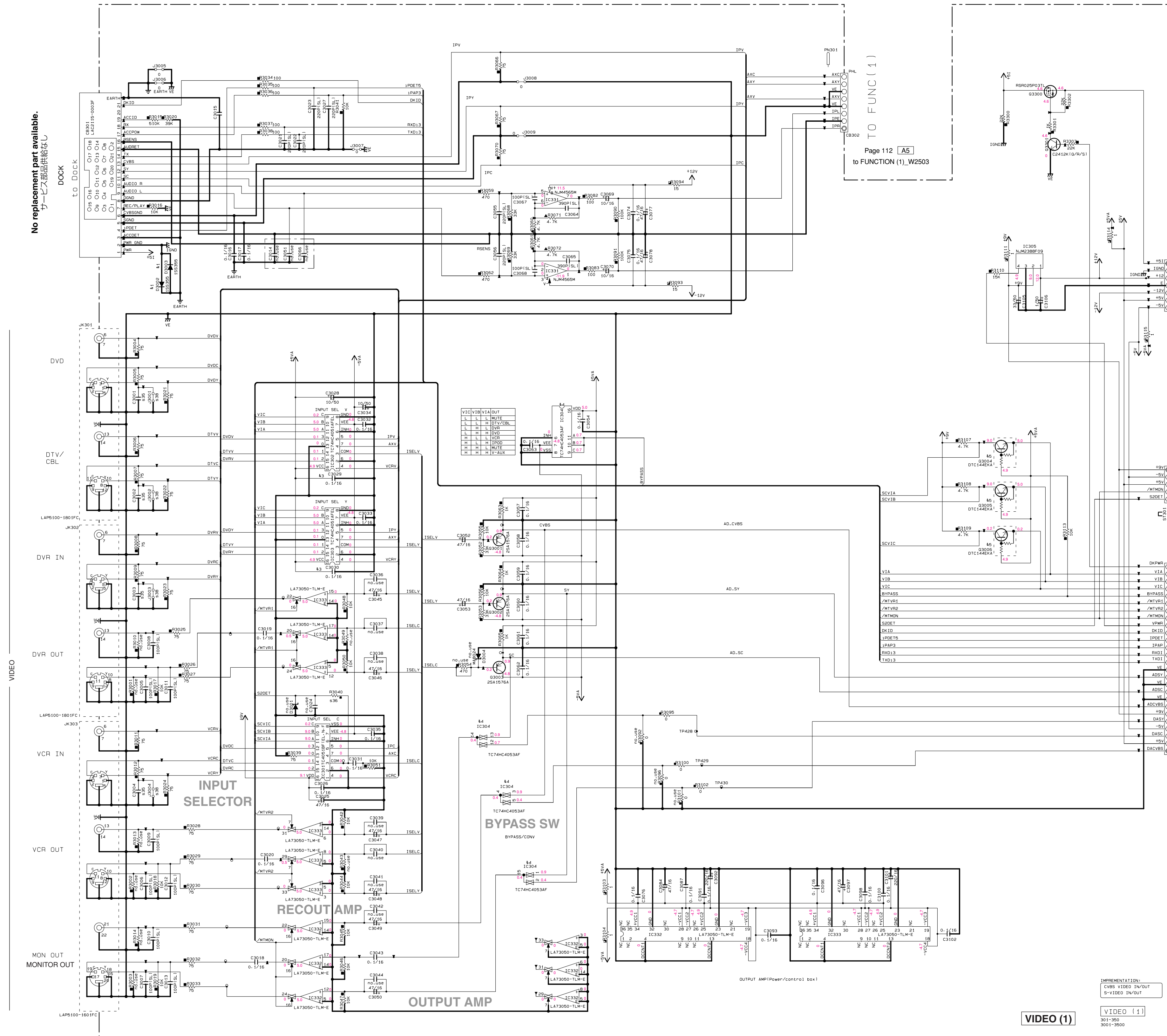
Page 112 [J6]  
to FUNCTION (1)\_CB245  
(U model)

Page 116 [K3]  
to VIDEO (1)\_CB303

Page 108 [H2]  
to DIGITAL\_CB38  
(J model)

- ★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
- ★ Components having special characteristics are marked with a triangle (▲), and must be replaced with parts having specifications equal to those originally installed.
- ★ Schematic diagram is subject to change without notice.
- 電圧は、内部抵抗10MΩの電圧計で測定したものです。
- ▲印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
- 本回路図は標準回路図です。改良のため予告なく変更することがございます。

No replacement part available.  
カーネーション部品は無し



Page 112 [A5]  
to FUNCTION (1)\_W2503

Interchangeable Parts at Manufacture-Stage

Part No.	Reference Parts Number	Part's Name
41	Q3002-3003-3500-3504	ISS385 M42J1100L K05160-RTK/P
42	IC303	TC74HC4053AFEL-F1 M74HC4053JL-NL
43	IC302-303	TC74HC4051AFEL M74HC4051JL-NL
44	IC304	TC74HC4053AFEL-F1 M74HC4053JL-NL
45	Q3004-3006	DT144EK KRC1045-RTK/P
46	Q3501	KRC1023-RTK/P DT144EK

NOTICE (model)  
(J)..... JAPAN  
(U)..... U.S.A  
(C)..... CANADA  
(R)..... GENERAL  
(T)..... CHINA  
(K)..... KOREA  
(A)..... AUSTRALIA  
(B)..... BRITISH  
(G)..... EUROPE  
(L)..... SINGAPORE  
(E)..... SOUTH EUROPE  
(V)..... TAIWAN  
(F)..... RUSSIAN

RESISTOR

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
NO MARK	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
□	METAL PLATE RESISTOR
■	FIRE PROOF CARBON FILM RESISTOR
⊞	CEMENT MOLDED RESISTOR
⊚	SEMI VARIABLE RESISTOR
⊙	CHIP RESISTOR

Destination Part List

SXX	LOC	J	UCRTKABEFL
S35	C3004	US13510	X
	C3001	0.1/18	
	C3003		
S38	R3040	RD35510	X
	J3002		
	J3004		
	J3001		
	J3003		

Page 115 [K9]  
to MAIN (2)\_W114

CAPACITOR

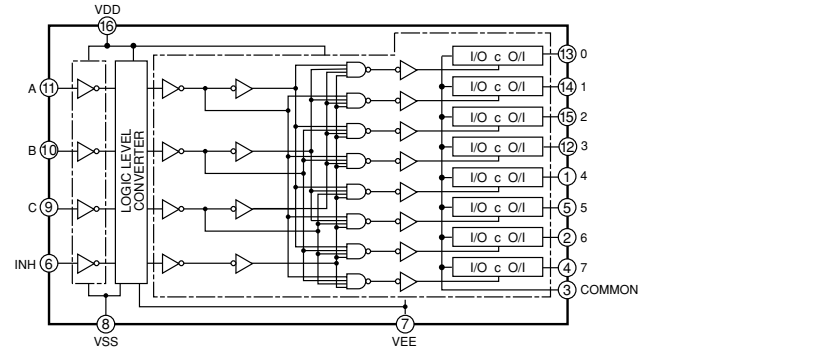
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
⊙	CERAMIC TUBULAR CAPACITOR
○	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
⊖	MICA CAPACITOR
⊕	POLYPROPYLENE FILM CAPACITOR
⊙	SEMICONDUCTIVE CERAMIC CAPACITOR

Page 113 [B5]  
to FUNCTION (6)\_CB296

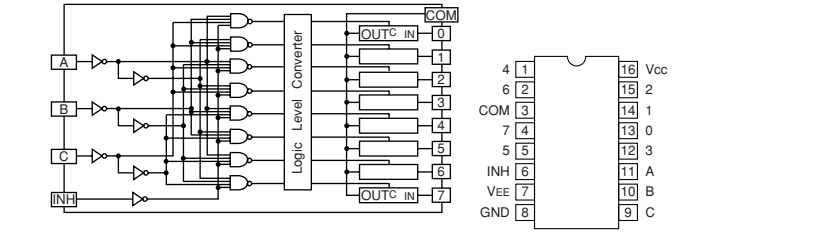
TO MAIN (2)  
TO DIGITAL  
TO FUNC (6)

Page 111 [E2]  
to DIGITAL\_CB80

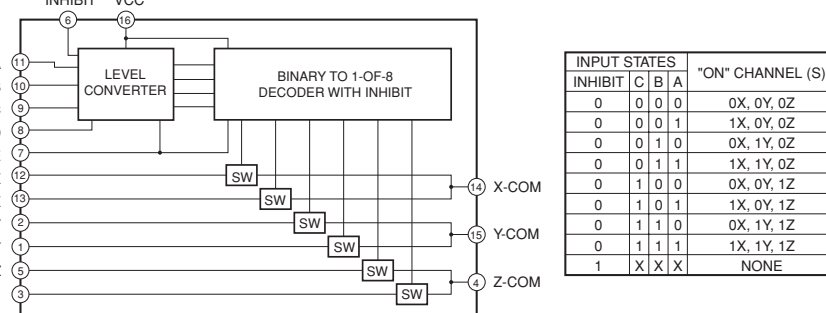
IC301: TC4051BF  
Multiplexer/demultiplexer



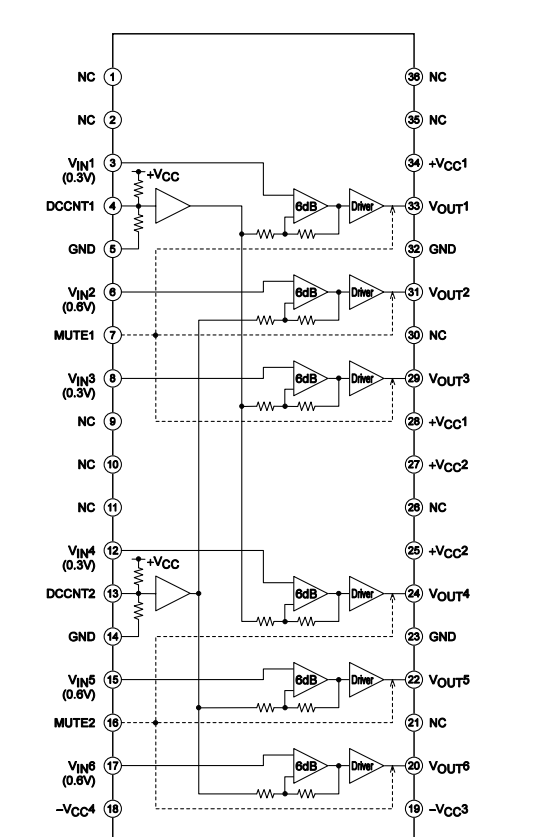
IC302, 303: TC74HC4051AFEL  
8-channel analog multiplexer/demultiplexer



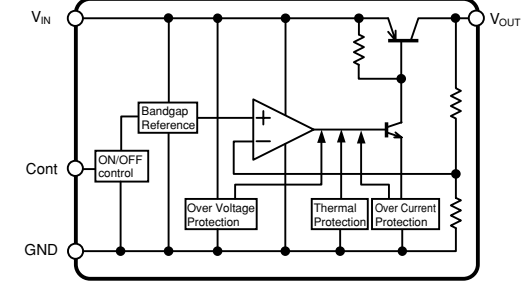
IC304: TC74HC4053AF  
Analog multiplexer/demultiplexer



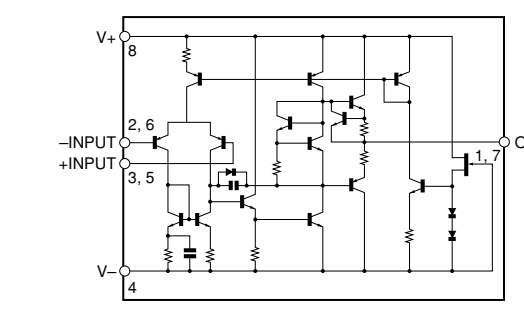
IC332, 333: LA73050-TLM-E  
6-channel 75-ohm video driver



IC305: NJM2388F09  
Low dropout voltage regulator with ON/OFF control



IC331: NJM4565M  
Dual operational amplifier



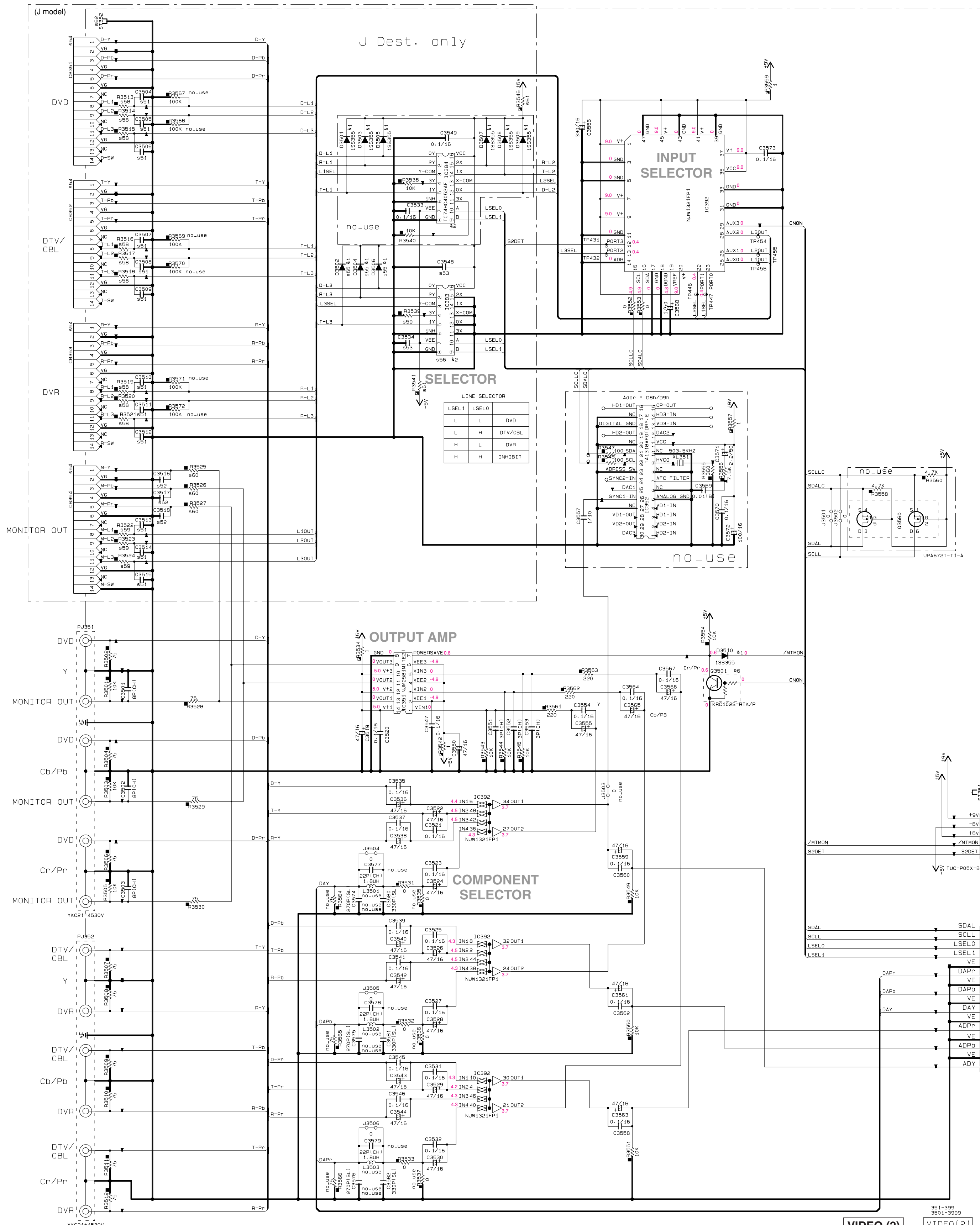
VIDEO (1)  
301-350  
3001-3900

VIDE0863 sht001

\* All voltages are measured with a 10MΩ/V DC electronic voltmeter.  
\* Components having special characteristics are marked with \* and must be replaced with parts having specifications equal to those originally installed.  
\* Schematic diagram is subject to change without notice.

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● 本回路図は標準回路図です。改良のため予告なく変更することがございます。

VIDEO 2/2



Destination Part List

EXX	LOC	J	UCR/KABGEFL
951	C3513	US06410	X
	C3514	0.01B1	
	C3515		
	C3516		
	C3517		
952	C3518	US06900	X
	C3519	BR1CH1	
	C3520		
	C3521		
953	C3548	US11910	X
	C3549	0.1/16	
	C3550		
954	C3554	MD39840	X
	C3555	YK745-3011	
	C3556		
	C3557		
	C3558		
	C3559		
955	C3556	VT33900	X
	D3504		
	D3502		
956	IC383	X579040	X
958	R3513	RD35810	X
	R3514	100	
	R3515		
	R3516		
	R3517		
	R3518		
	R3519		
	R3520		
959	R3524	RD35710	X
	R3523	10K	
	R3522		
	R3521		
	R3520		
	R3519		
	R3518		
	R3517		
	R3516		
	R3515		
	R3514		
	R3513		
960	R3541	RD35475	X
	R3540	75	
	R3539		
	R3538		
	R3537		
	R3536		
	R3535		
	R3534		
	R3533		
	R3532		
	R3531		
961	R3541	HV75310	X
	R3540		
	R3539		
	R3538		
	R3537		
	R3536		
	R3535		
	R3534		
	R3533		
	R3532		
	R3531		
962	SI352	X	V040050

NOTICE (model)

(J)..... JAPAN  
 (U)..... U.S.A  
 (C)..... CANADA  
 (A)..... GENERAL  
 (T)..... CHINA  
 (K)..... KOREA  
 (A)..... AUSTRALIA  
 (B)..... BRITISH  
 (G)..... EUROPE  
 (L)..... SINGAPORE  
 (E)..... SOUTH EUROPE  
 (V)..... TAIWAN  
 (F)..... RUSSIAN

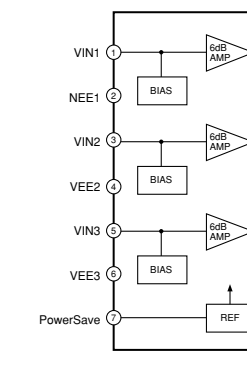
CAPACITOR

REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	EF
NO MARK	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	
⊙	CERAMIC TUBULAR CAPACITOR	
⊖	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
⊕	MICA CAPACITOR	
⊖	POLYPROPYLENE FILM CAPACITOR	
⊕	SEMICONDUCTIVE CERAMIC CAPACITOR	

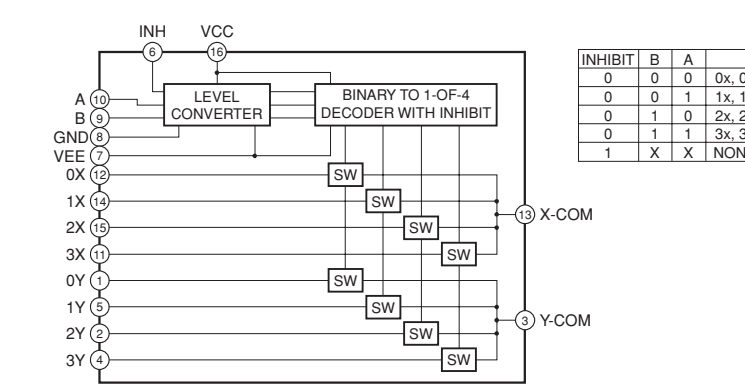
RESISTOR

REMARKS	PARTS NAME	
NO MARK	CARBON FILM RESISTOR (P=5)	
□	CARBON FILM RESISTOR (P=10)	
△	METAL OXIDE FILM RESISTOR	
⊖	METAL FILM RESISTOR	
⊕	METAL PLATE RESISTOR	
⊖	FIRE PROOF CARBON FILM RESISTOR	
□	CEMENT MOLDED RESISTOR	
⊖	SEMI VARIABLE RESISTOR	
⊕	CHIP RESISTOR	

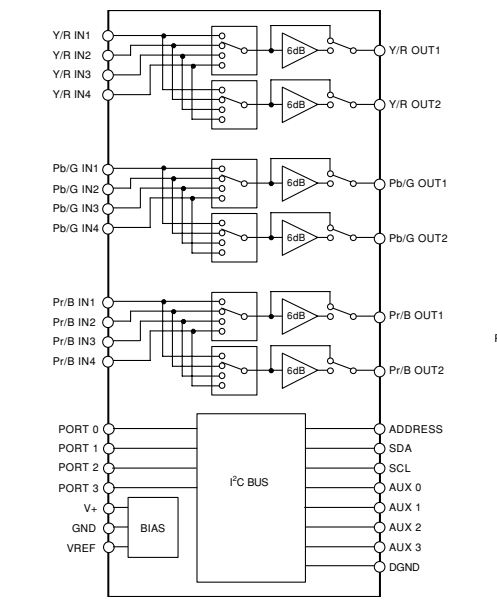
IC351: NJM2581M  
Video amplifier



IC383: TC74HC4052AF  
Analog multiplexer/demultiplexer



IC392: NJW1321FP1  
Wide band video switch with I<sup>2</sup>C bus



TO FUNC(6)  
Page 113 [C5]  
to FUNCTION (6)\_CB297

TO DIGITAL  
Page 111 [G2]  
to DIGITAL\_CB81

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