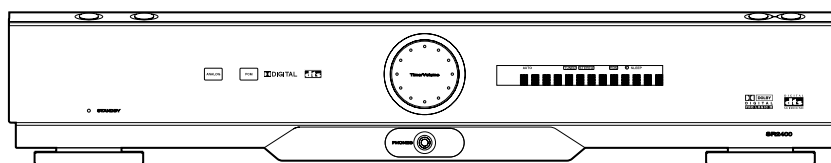


Service Manual

SR2400 /K1S/N1S/S1S

AV Surround Receiver



SR2400

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Please use this service manual with referring to the user guide (D.F.U.) without fail.
修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

marantz®

SR2400

Part no. 33AW855010
First Issue 2003.11
ecm

MARANTZ DESIGN AND SERVICE

Using superior design and selected high grade components, **MARANTZ** company has created the ultimate in stereo sound. Only original **MARANTZ** parts can insure that your **MARANTZ** product will continue to perform to the specifications for which it is famous.

Parts for your **MARANTZ** equipment are generally available to our National Marantz Subsidiary or Agent.

ORDERING PARTS :

Parts can be ordered either by mail or by Fax.. In both cases, the correct part number has to be specified.

The following information must be supplied to eliminate delays in processing your order :

1. Complete address
2. Complete part numbers and quantities required
3. Description of parts
4. Model number for which part is required
5. Way of shipment
6. Signature : any order form or Fax. must be signed, otherwise such part order will be considered as null and void.

USA

MARANTZ AMERICA, INC
1100 MAPLEWOOD DRIVE
ITASCA, IL. 60143
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PHONE : 630 - 741 - 0300
FAX : 630 - 741 - 0301

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THE NETHERLANDS
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PICKERING, ONTARIO L1W 3K1
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MARANTZ PROFESSIONAL PRODUCTS
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STANMORE NSW 2048
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HONG KONG
PHONE : 852 - 21913660
FAX : 852 - 21913990

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24 LIONEL ROAD,
MT. WAVERLEY VIC 3149
AUSTRALIA
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THAILAND

MRZ STANDARD CO., LTD
746 - 754 MAHACHAI ROAD.,
WANGBURAPAPIROM, PHRANAKORN,
BANGKOK, 10200 THAILAND
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FAX : +66 - 2 - 224 6795

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SINGAPORE 368357
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FAX : +65 6858 6078

NEW ZEALAND

WILDASH AUDIO SYSTEMS NZ
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TAIPEI, 10429, TAIWAN R.O.C.
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2ND FLOOR BANGUNAN INFINITE CENTRE
LOT 1, JALAN 13/6, 46200 PETALING JAYA
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本社 〒228-8505
神奈川県相模原市相模大野7-35-1

KOREA

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ROOM 604/605, ELECTRO-OFFICETEL, 16-58,
3GA, HANGANG-RO, YONGSAN-KU, SEOUL
KOREA
PHONE : +822 - 3232 - 155
FAX : +822 - 3232 - 154

SHOCK, FIRE HAZARD SERVICE TEST :

CAUTION : After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins (with unit NOT connected to AC mains and its Power switch ON), and the face or Front Panel of product and controls and chassis bottom.

Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

Ref. UL Standard No. 1492.

In case of difficulties, do not hesitate to contact the Technical Department at above mentioned address.

1. TECHNICAL SPECIFICATIONS

AUDIO SECTION

THD 10 % 6 ohms	60W / Ch
THD 1 % 6 ohms	50W / Ch
THD (1 kHz) at 30 W output	6 ohms 0.05 %
Input Sensitivity	
Linear	200 mV
Signal to Noise Ratio	
Linear (1 W)	95 dB

FM TUNER SECTION

Frequency Range	87.5 - 108.0MHz
Usable Sensitivity	IHF 1.8 V / 16.4dBf
Signal to Noise Ratio	MONO / STEREO 70dB / 70dB
Distortion	MONO / STEREO 0.2 % / 0.3 %
Stereo Separation	1kHz 45dB
Alternative Channel Selectivity	400kHz 60dB
Image Rejection	98kHz 80dB
Tuner Output Level	1kHz, 40kHz Dev 500mV

AM TUNER SECTION

Frequency Range	531 - 1602kHz
Signal to Noise Ratio	35dB
Usable Sensitivity	LOOP 400 V
Distortion	400Hz, 30 % Mod 1.0 %
Selectivity	9kHz 35dB

VIDEO SECTION

Television Format	NTSC / PAL
Input Level / Impedance	1Vp-p / 75 ohms
Output Level / Impedance	1Vp-p / 75 ohms
Video Frequency Response 3dB	5Hz to 8MHz(-1dB)

GENERAL

Power Requirement [K].....	AC 220 V 50 Hz
[N/S].....	AC 230 V 50 Hz
Power Consumption	75 W
Maximum External Dimensions (WxHxD)	420 x 76 x 320 mm
Weight	4.0 kg

ACCESSORIES

Remote Control Unit (RC2400SR)	1
Batteries (AAA Type).....	2
FM Antenna	1
AM Loop Antenna.....	1
AC Power Cord	1
Registration Card	1
User® Guide	1

The relation between the selected surround mode and the input signal

The surround mode is selected with the surround mode buttons on SR2400 or the remote control unit. However, the sound you hear is subject to the relationship between the selected surround mode and input signal. That relationship is as follows;

SW Position	Input Signal	Auto Surround Decode Format	Possible to select Surround Decode Fromat	Direct Stereo Key
5.1ch	Dolby Surr.EX	Dolby Digital 5.1		Stereo
	Dolby Digital 5.1	Dolby Digital 5.1		Stereo
	Dolby Digital 2ch	Dolby PL II Movie	Dolby PL II Music	Stereo
	Dolby Digital 2ch Surr	Dolby PL II Movie	Dolby PL II Music	Stereo
	DTS-ES	DTS5.1		Stereo
	DTS 96/24 5.1ch	DTS5.1		Stereo
	DTS 5.1	DTS5.1		Stereo
	PCM	Dolby PL II Movie	Dolby PL II Music	Stereo
Analog	Dolby PL II Movie	Dolby PL II Music	Stereo	

2. TECHNICAL DESCRIPTION



DTS was introduced in 1994 to provide 5.1 channels of discrete digital audio into home theater systems. DTS brings you premium quality discrete multichannel digital sound to both movies and music. DTS is a multi-channel sound system designed to create full range digital sound reproduction. The no compromise DTS digital process sets the standard of quality for cinema sound by delivering an exact copy of the studio master recordings to neighborhood and home theaters. Now, every moviegoer can hear the sound exactly as the movie-maker intended. DTS can be enjoyed in the home for either movies or music on of DVD's, LD's, and CD's. "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.



Dolby Digital identifies the use of Dolby Digital audio coding for such consumer formats as DVD and DTV. As with film sound, Dolby Digital can provide up to five full-range channels for left, center, and right screen channels, independent left and right surround channels, and a sixth (".1") channel for low-frequency effects. Dolby Surround Pro Logic II is an improved matrix decoding technology that provides better spatiality and directionality on Dolby Surround program material; provides a convincing three-dimensional soundfield on conventional stereo music recordings; and is ideally suited to bring the surround experience to automotive sound. While conventional surround programming is fully compatible with Dolby Surround Pro Logic II decoders, soundtracks will be able to be encoded specifically to take full advantage of Pro Logic II playback, including separate left and right surround channels. (Such material is also compatible with conventional Pro Logic decoders.) Dolby Digital EX creates six full-bandwidth output channels from 5.1- channel sources. This is done using a matrix decoder that derives three surround channels from the two in the original recording. For best results, Dolby Digital EX should be used with movies soundtracks recorded with Dolby Digital Surround EX. Manufactured under license from Dolby Laboratories. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.

3. SERVICE MODE

1. Micro-Processor (IC20: MAIN PCB) version check

Operate by using [Remote controller RC2400SR]

1. Press the **POWER** button to turn on the unit.
2. Press the **AMP** button on the remote controller.
3. Press the **DISPLAY** button on the remote controller over 5 sec.
4. Micro-Processor version is displayed on the front FLD.
(Ex.: 03-11-05-1) then, All the FLD segments light up.
5. Turn off the power to quit Service Mode.

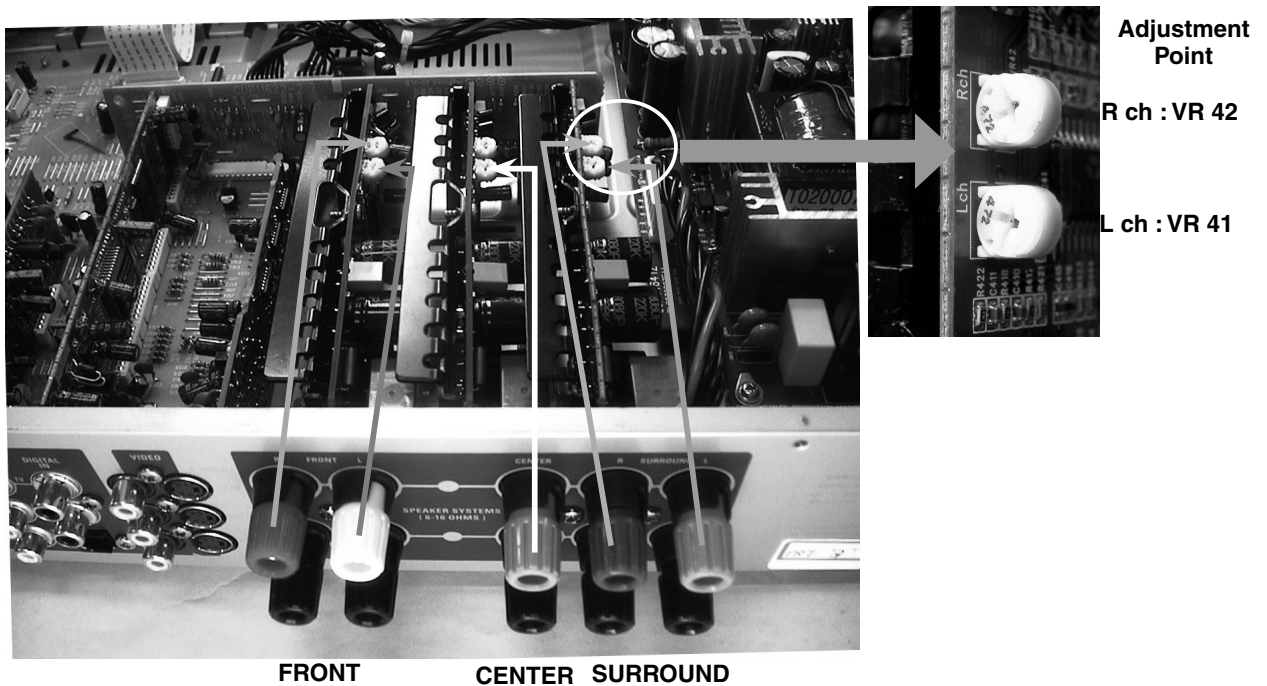
4. SERVICE PROCEDURE

DC Offset Alignment

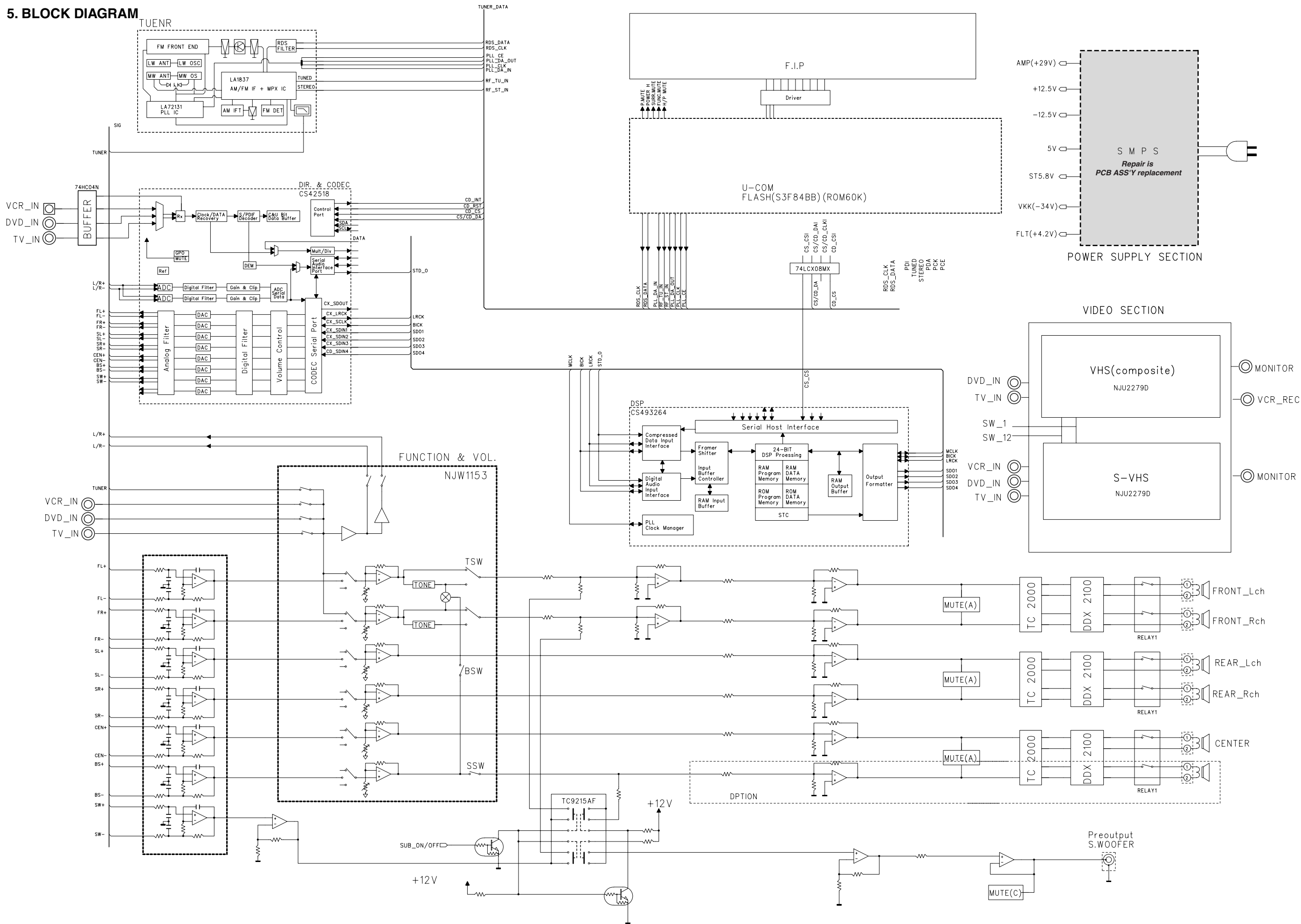
Settings: Volume --- Minimum (Operate by using [Remote controller RC2400SR])

Speaker out --- No load

Power	Channel	Adjustment Point	Measurement Point	Alignment Target
On	FRONT L	L ch : VR 41	Speaker Output Terminal	DC VOLTMETER 0V ± 30mV
	FRONT R	R ch : VR 42		
	CENTER	L ch : VR 41		
	SURROUND L	L ch : VR 41		
	SURROUND R	R ch : VR 42		

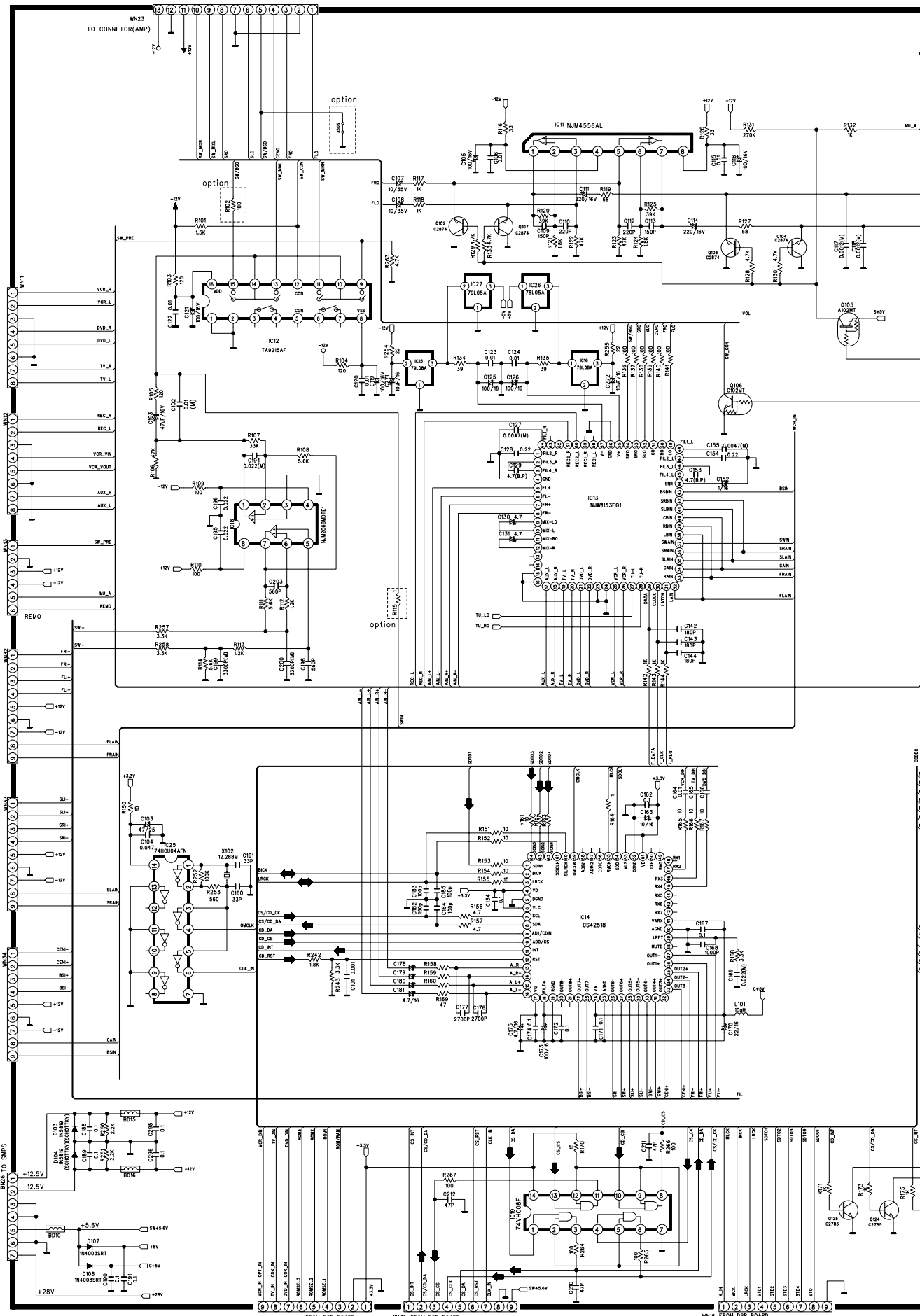


5. BLOCK DIAGRAM

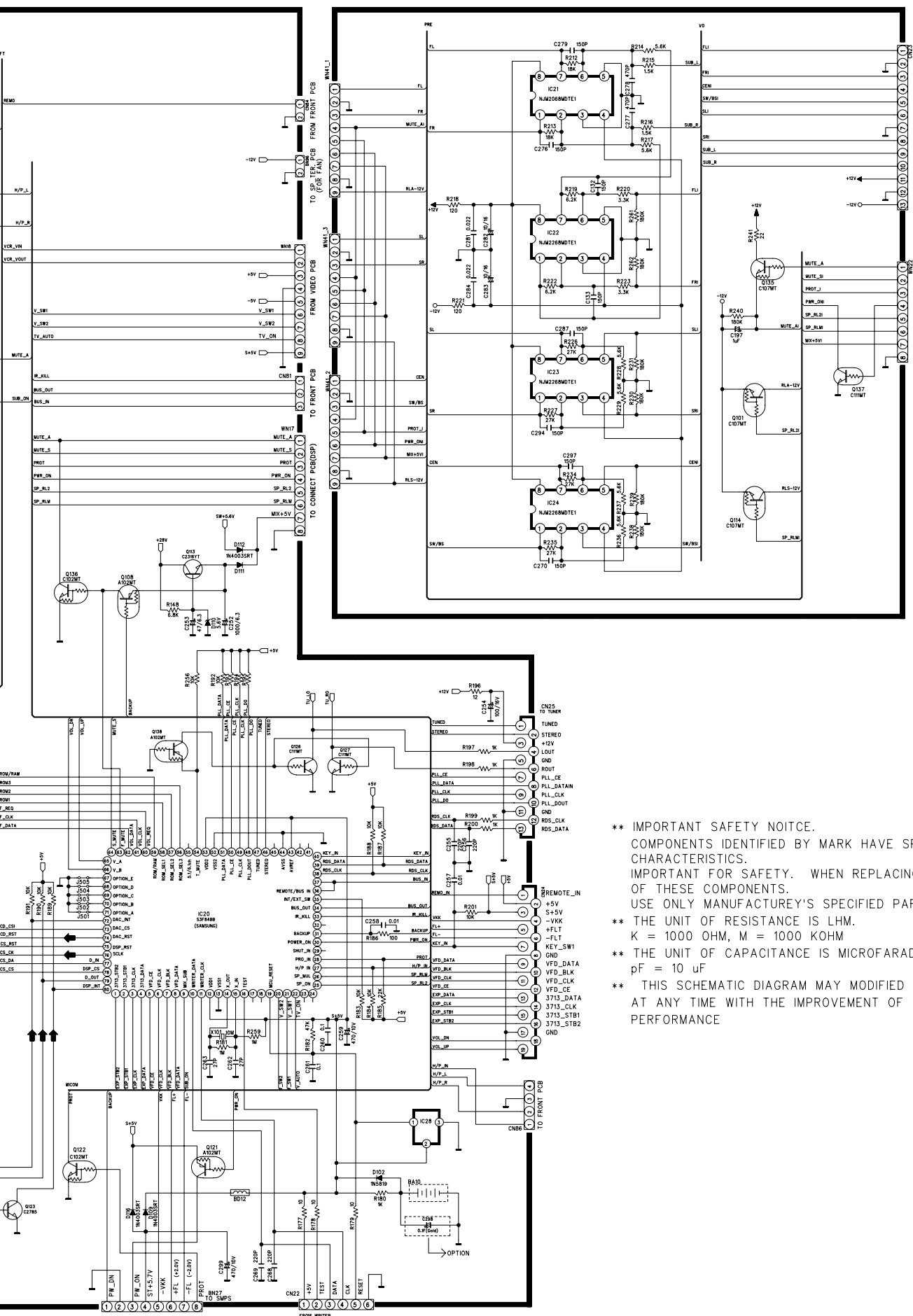


6. SCHEMATIC DIAGRAM

MAIN PCB

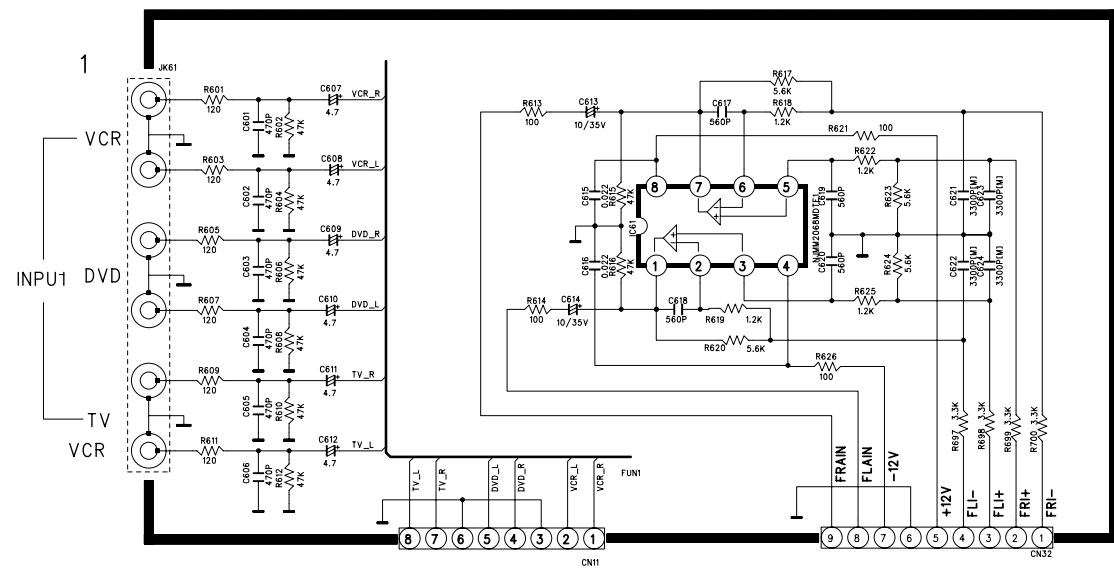


CONNECTOR PCB

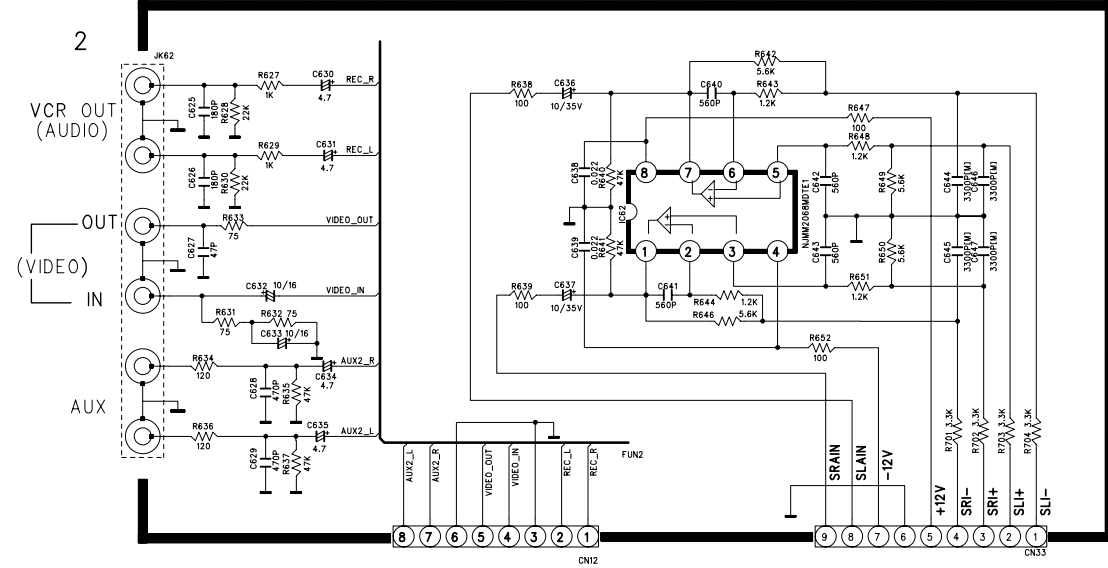


** IMPORTANT SAFETY NOTICE.
COMPONENTS IDENTIFIED BY MARK HAVE SPECIAL CHARACTERISTICS.
IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS.
USE ONLY MANUFACTURER'S SPECIFIED PARTS.
** THE UNIT OF RESISTANCE IS LHM.
K = 1000 OHM, M = 1000 KOHM
** THE UNIT OF CAPACITANCE IS MICROFARAD (uF)
pF = 10 uF
** THIS SCHEMATIC DIAGRAM MAY MODIFIED AT ANY TIME WITH THE IMPROVEMENT OF PERFORMANCE

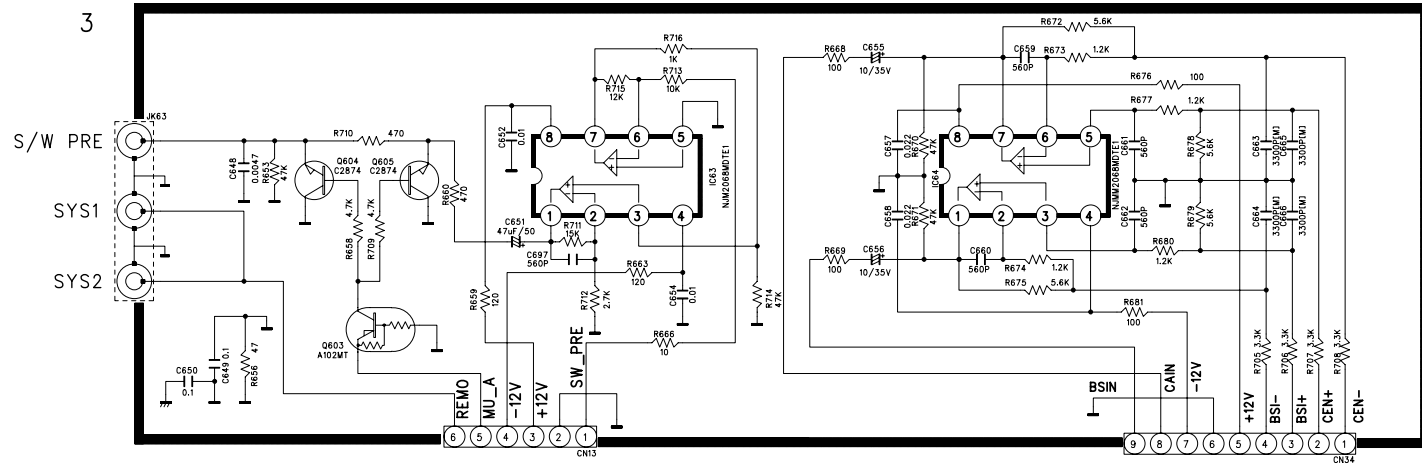
AUDIO PCB



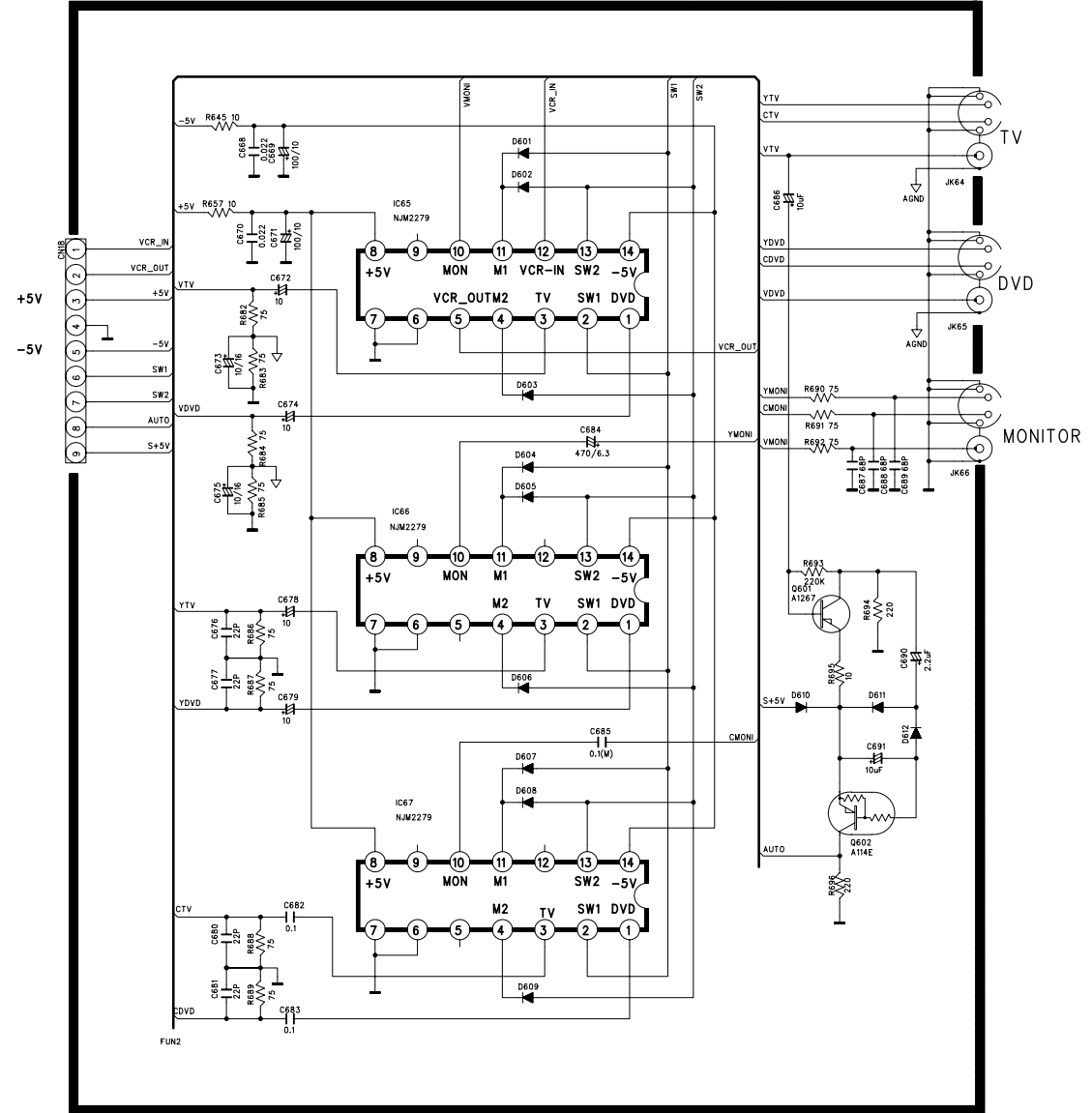
AUX PCB



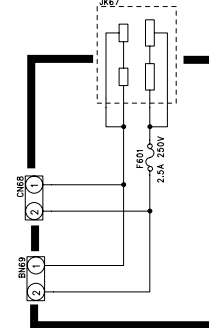
SYSTEM PCB



VIDEO PCB



OUTLET PCB [N only]

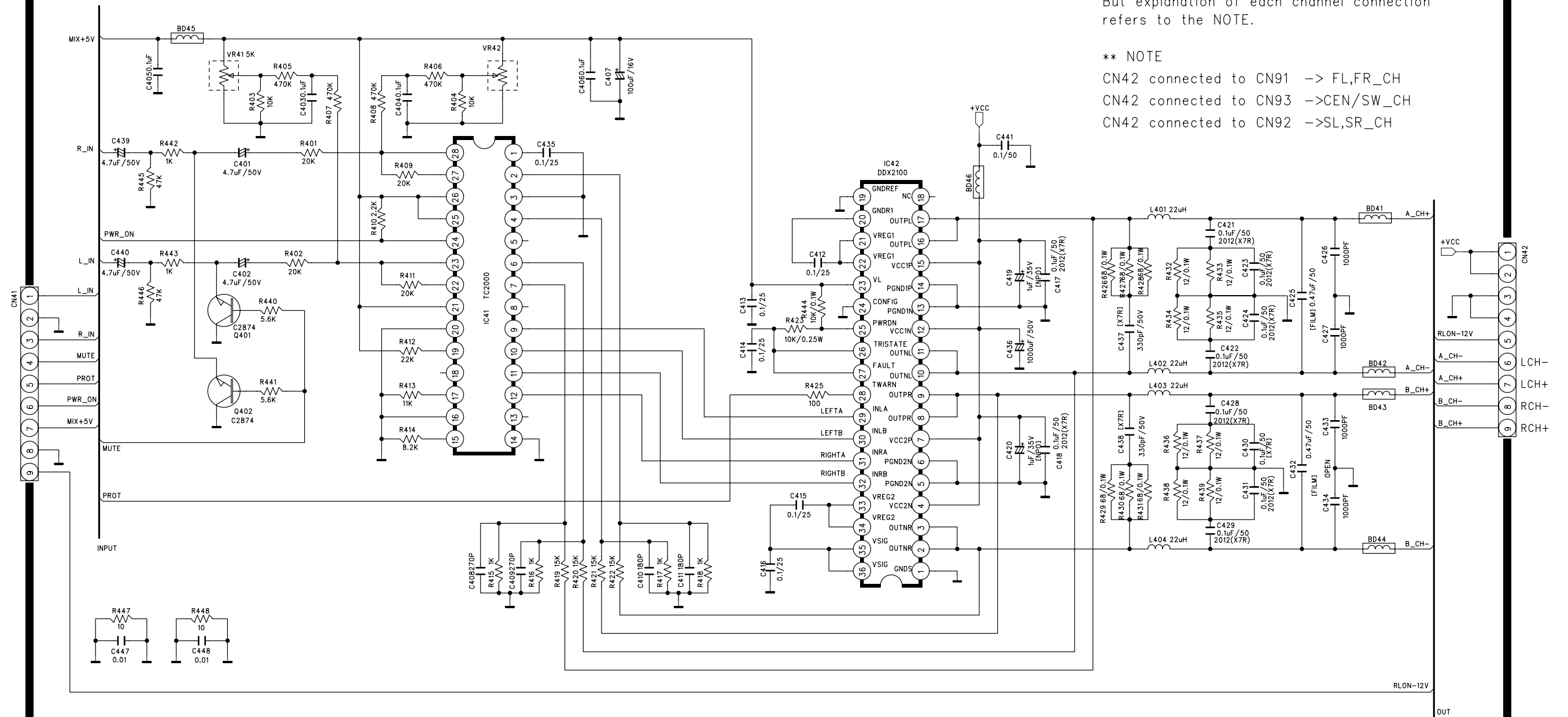


Digital Amplifier FRONT L,R_CH /CENTER_CH /SURROUND L,R_CH

** This is two channel schematic diagram of six channel. and the other channels schematic diagram is the same. But explanation of each channel connection refers to the NOTE.

** NOTE

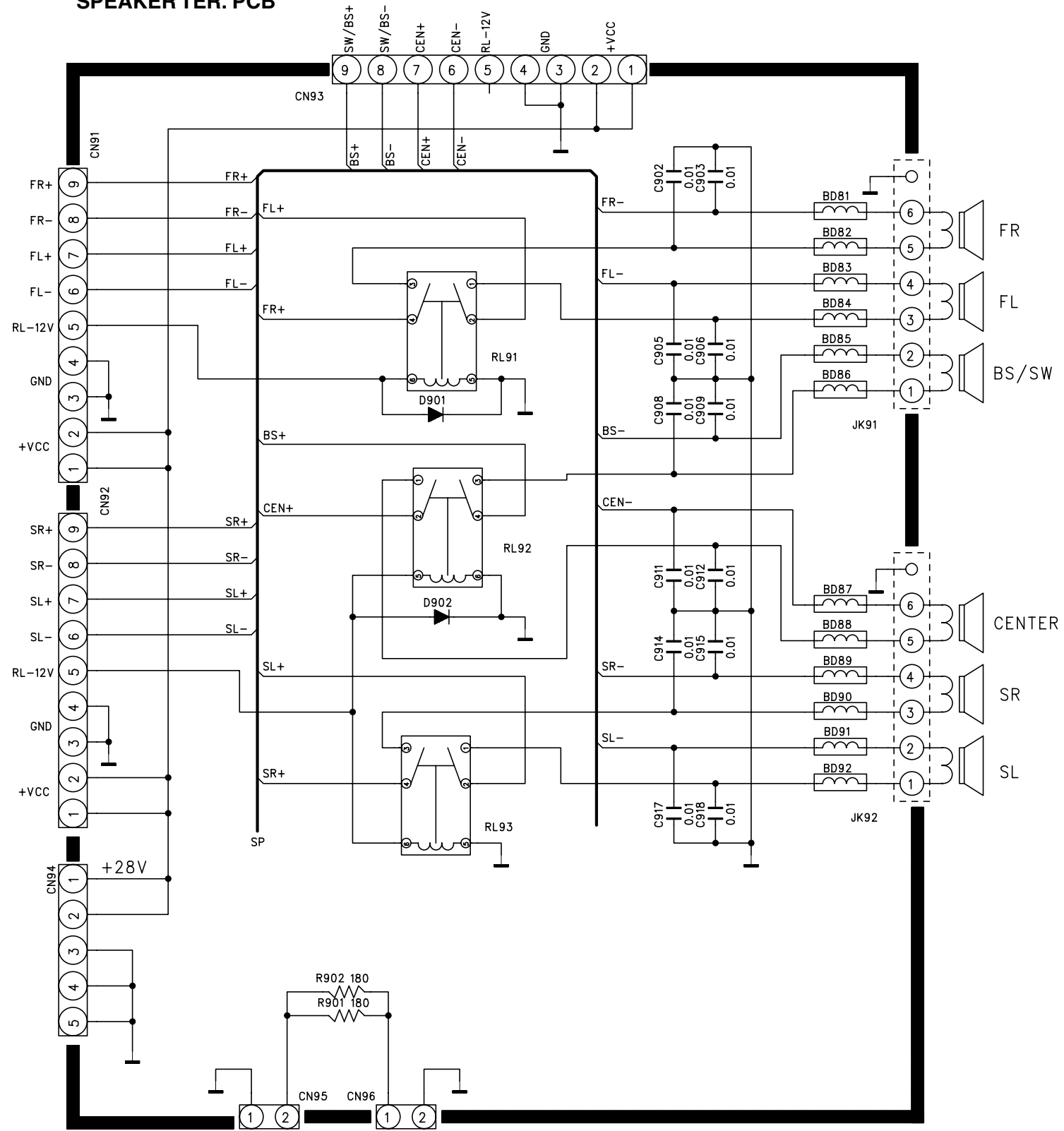
- CN42 connected to CN91 --> FL,FR_CH
- CN42 connected to CN93 -->CEN/SW_CH
- CN42 connected to CN92 -->SL,SR_CH



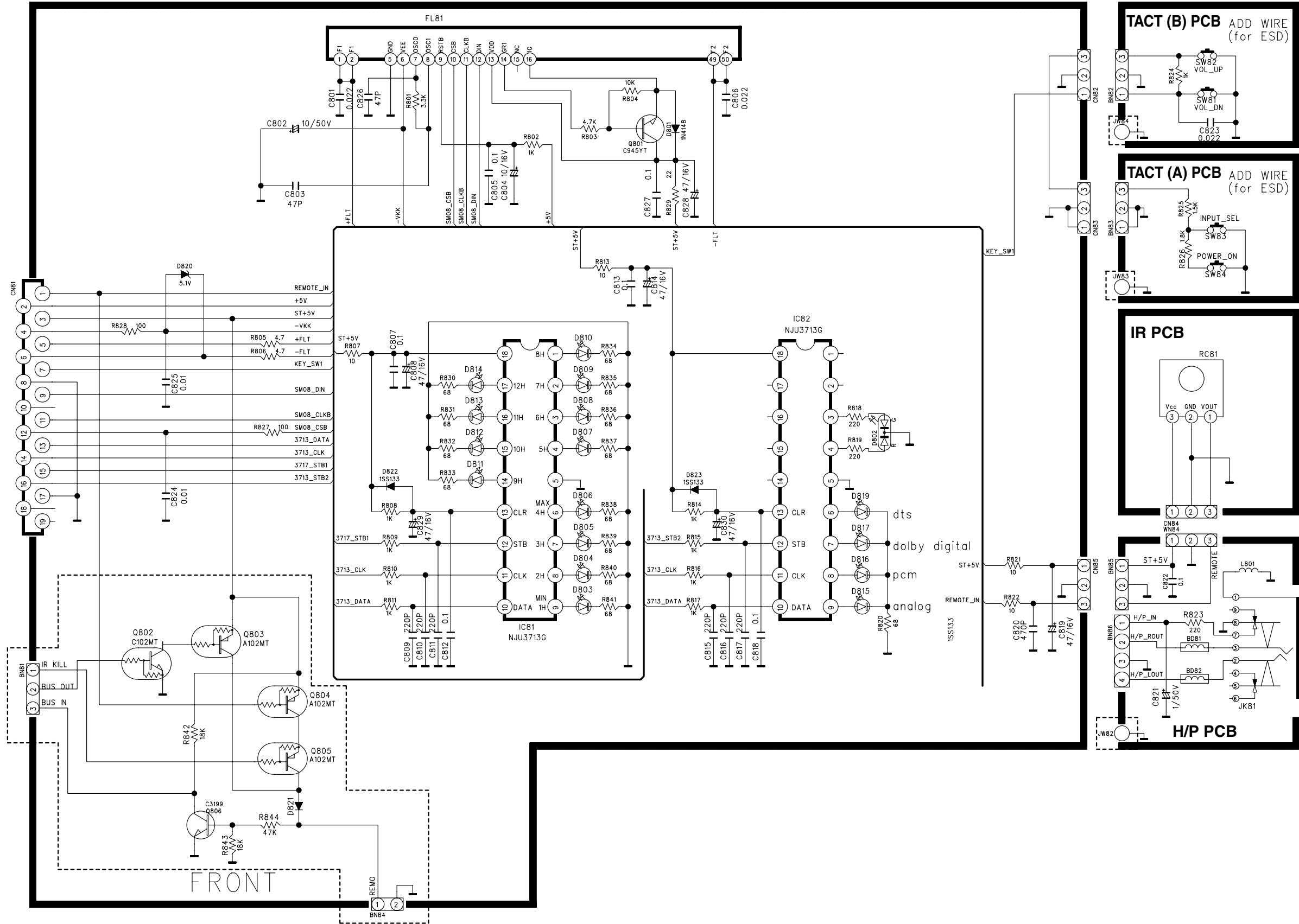
** NOTE

- CN41 connected to WN41_1 --> FL , FR_CH
- CN41 connected to WN41_2 --> CEN , SW_CH
- CN41 connected to WN41_3 --> SL , SR_CH

SPEAKER TER. PCB

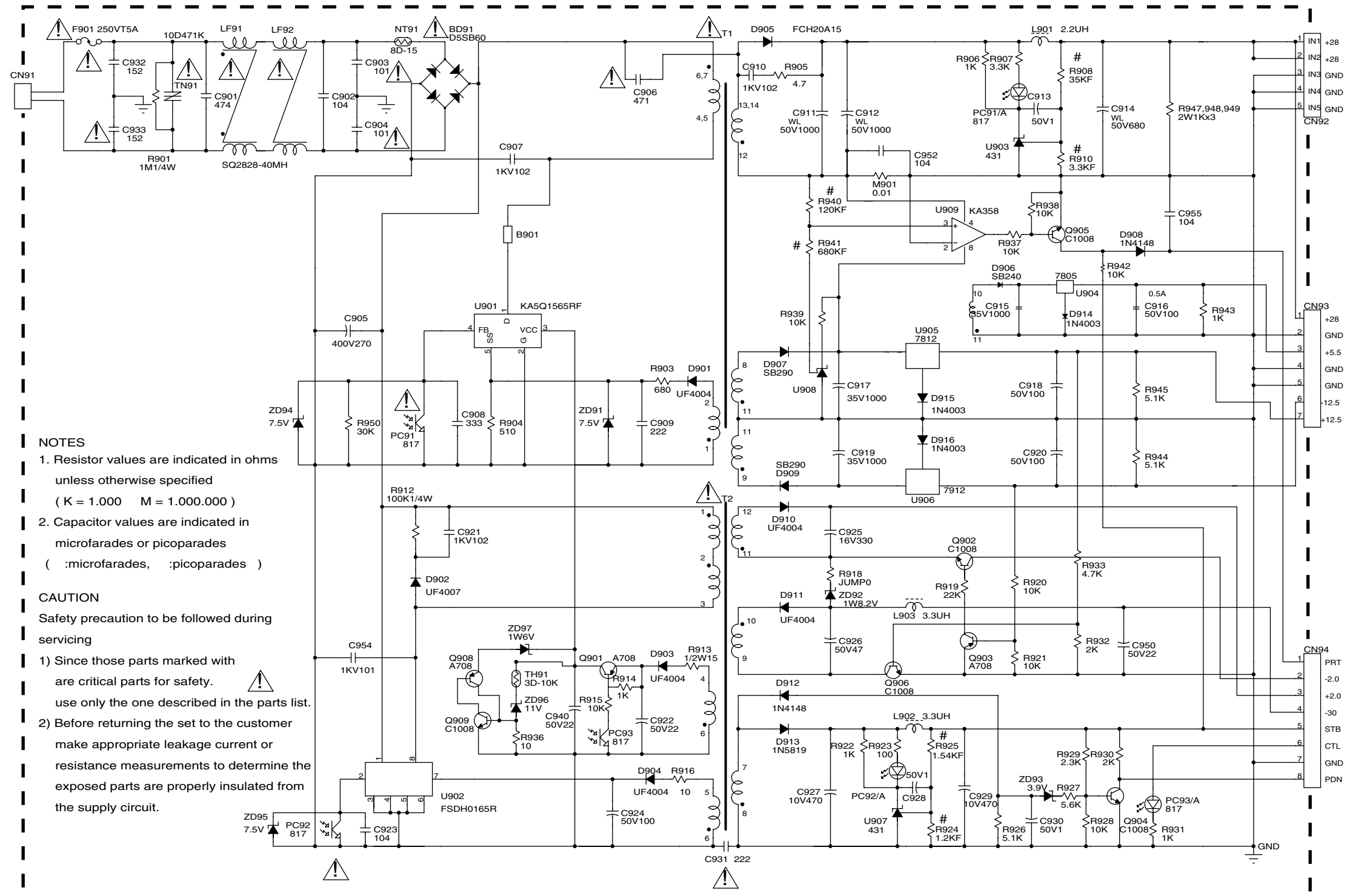


FRONT PCB



FRONT

SMPS PCB
(Repair is PCB ASS'Y replacement)



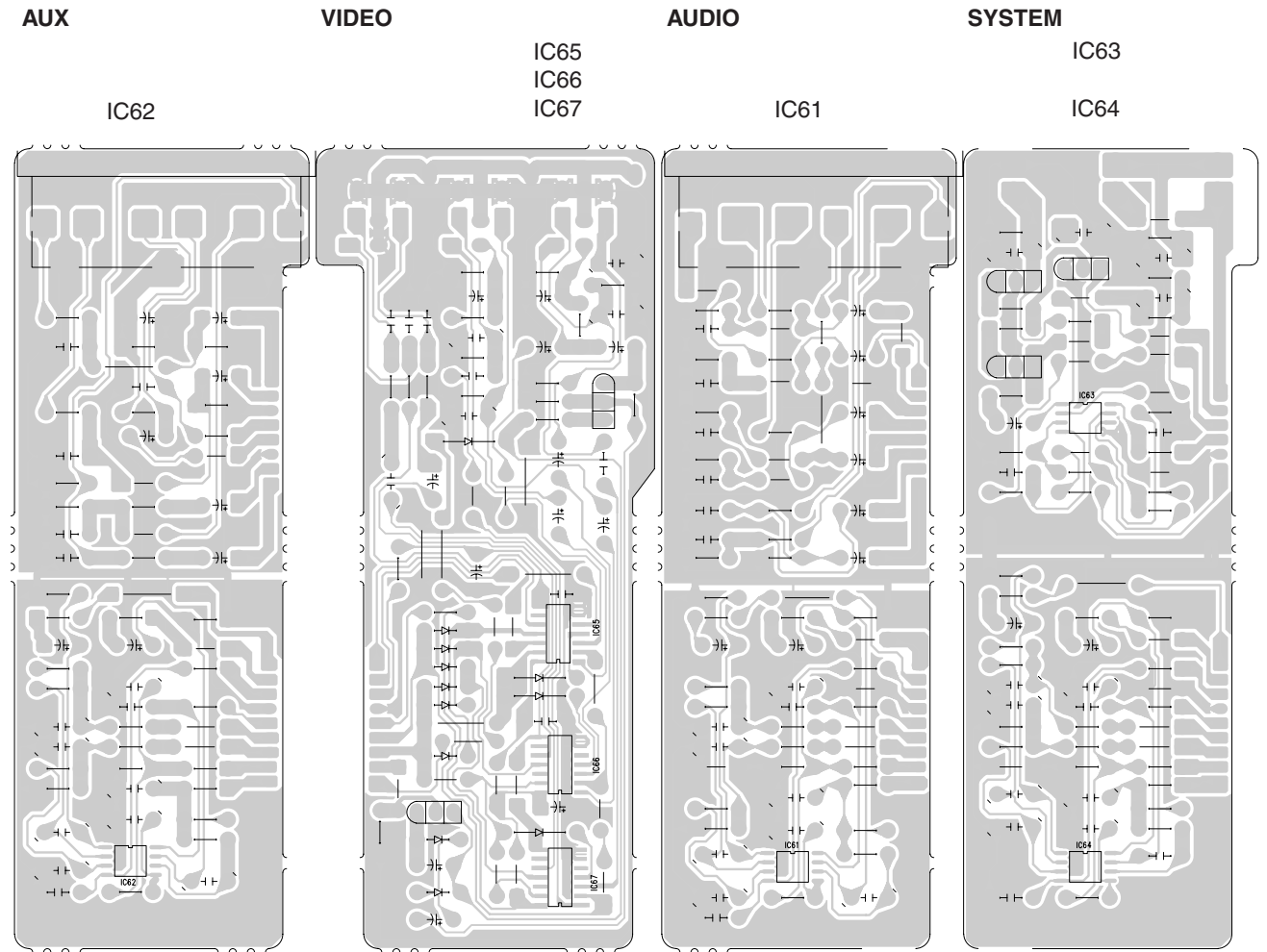
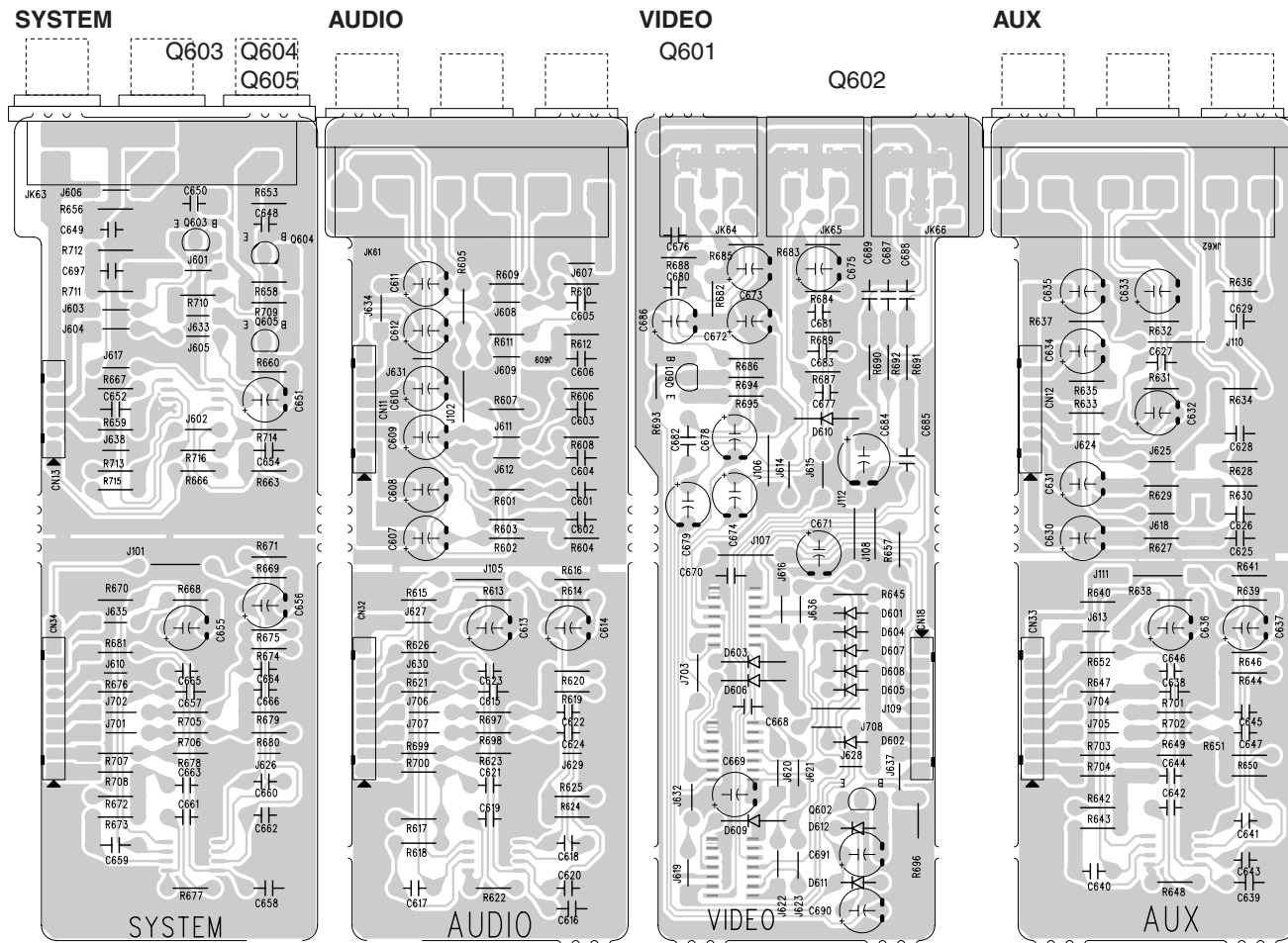
NOTES

1. Resistor values are indicated in ohms unless otherwise specified
 (K = 1.000 M = 1.000.000)
2. Capacitor values are indicated in microfarades or picoparades
 (:microfarades, :picoparades)

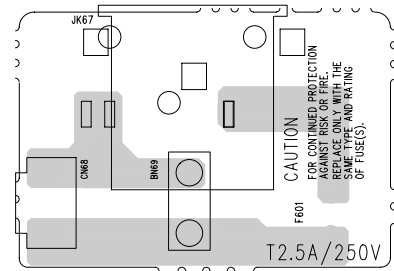
CAUTION

Safety precaution to be followed during servicing

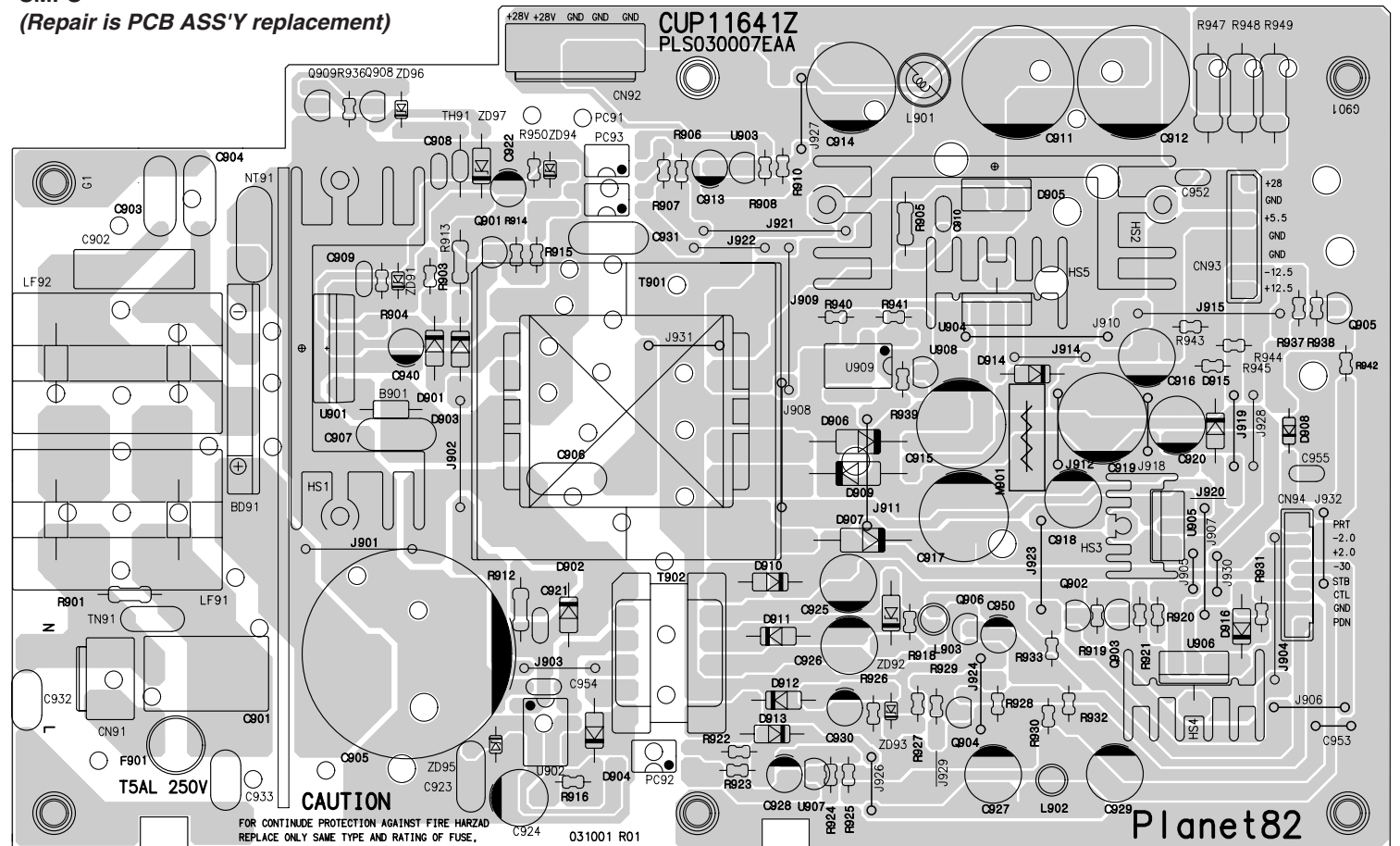
- 1) Since those parts marked with are critical parts for safety. use only the one described in the parts list.
- 2) Before returning the set to the customer make appropriate leakage current or resistance measurements to determine the exposed parts are properly insulated from the supply circuit.



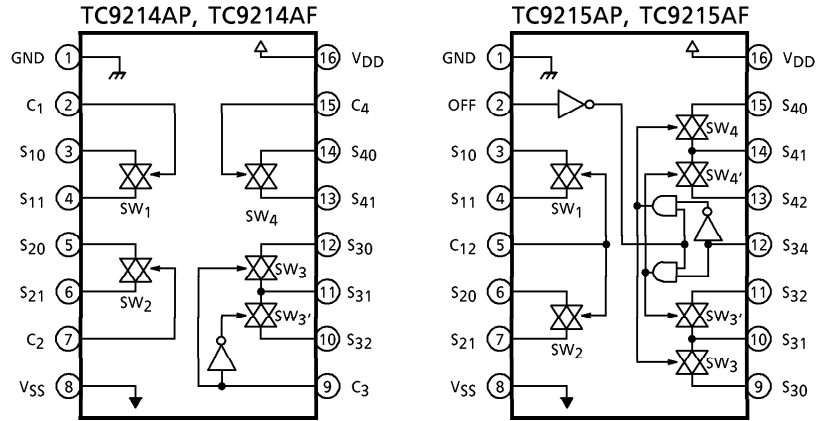
OUTLET [N only]



SMPS
(Repair is PCB ASS'Y replacement)

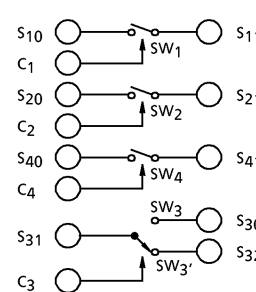


BLOCK DIAGRAM



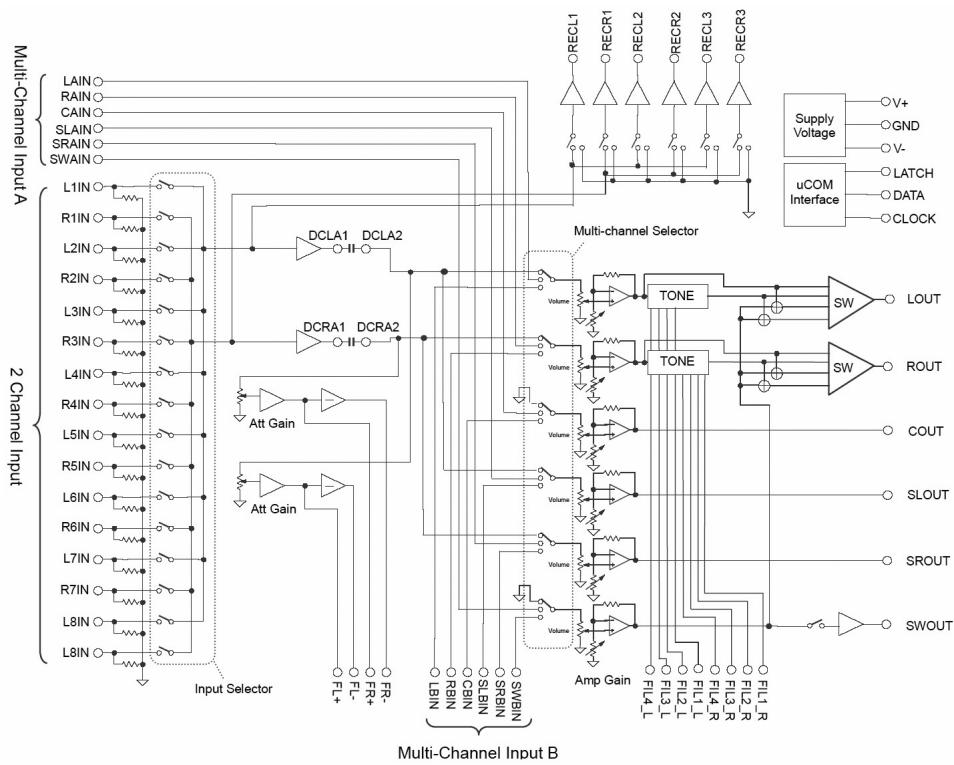
PIN FUNCTION

1. TC9214AP, TC9214AF

PIN No.	SYMBOL	PIN NAME	FUNCTION	NOTE
1	GND	Ground Terminal	Dual power supplying : + B →V _{DD} 0V →GND - B →V _{SS}	—
8	V _{SS}	(-) Power Supply Terminal		
16	V _{DD}	(+) Power Supply Terminal	Single power supplying : + B →V _{DD} 0V →GND, V _{SS}	—
2	C ₁	Switch (1) Control Terminal	SWITCH CONNECTION 	
3	S ₁₀	Switch (1) Input / Output Terminal		
4	S ₁₁			
5	S ₂₀	Switch (2) Input / Output Terminal		
6	S ₂₁			
7	C ₂	Switch (2) Control Terminal		
9	C ₃	Switch (3) Control Terminal		
10	S ₃₂	Switch (3) Input / Output Terminal		
11	S ₃₁			
12	S ₃₀			
13	S ₄₁	Switch (4) Input / Output Terminal		
14	S ₄₀			
15	C ₄	Switch (4) Control Terminal		

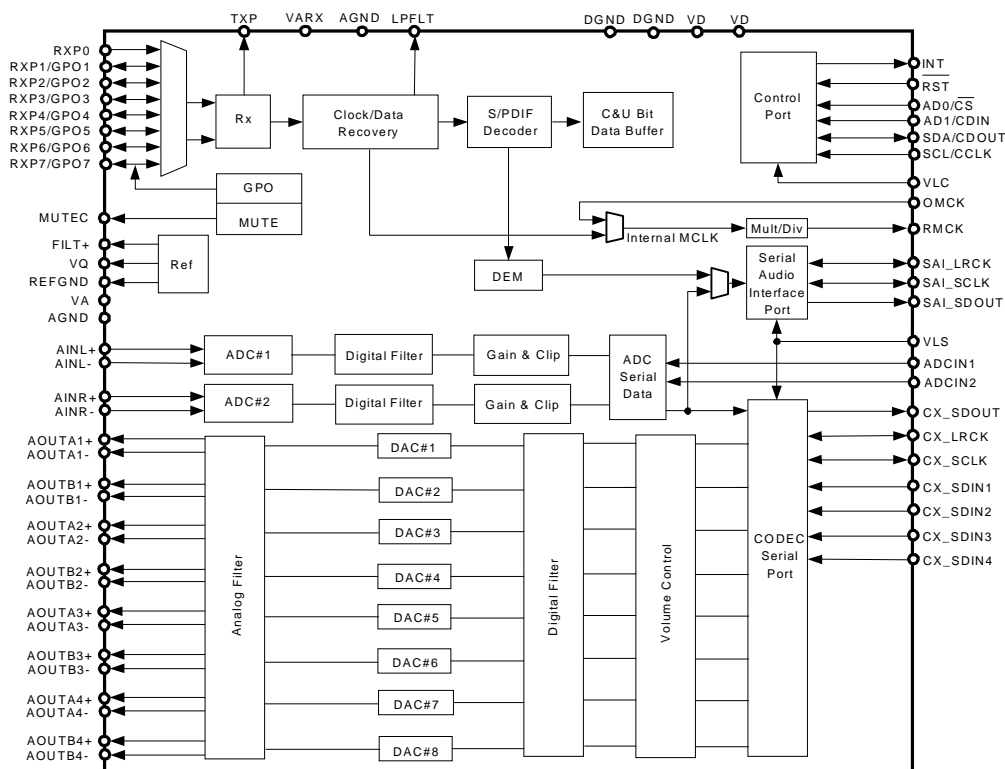
C ₁ , C ₂ , C ₄	SW ₁ , SW ₂ , SW ₃	
H	ON	
L	OFF	

C ₃	S ₃₀ -S ₃₁	S ₃₁ -S ₃₂
H	ON	OFF
L	OFF	ON



No.	SYMBOL	FUNCTION	No.	SYMBOL	FUNCTION
1	FIL2_R	Rch Bass filter terminal	33	RAIN	Multi-channel Rch input A
2	FIL3_R	Rch Bass filter DC cut capacitor output terminal	34	CAIN	Multi-channel Cch input A
3	FIL4_R	Rch Bass filter DC cut capacitor input terminal	35	SLAIN	Multi-channel SLch input A
4	GND	Ground	36	SRAIN	Multi-channel SRch input A
5	FL+	Input selector gain control Lch no-inverted output	37	SWAIN	Multi-channel SWch input A
6	FL-	Input selector gain control Lch inverted output	38	LBIN	Multi-channel Lch input B
7	FR+	Input selector gain control Rch no-inverted output	39	RBIN	Multi-channel Rch input B
8	FR-	Input selector gain control Rch inverted output	40	CBIN	Multi-channel Cch input B
9	DCLA1	Input selector Lch output	41	SLBIN	Multi-channel SLch input B
10	DCLA2	Multi-channel selector Lch input	42	SRBIN	Multi-channel SRch input B
11	DCRA1	Input selector Rch output	43	SWBIN	Multi-channel SWch input B
12	DCRA2	Multi-channel selector Rch input	44	SurTC	Switching noise rejection capacitor
13	L1IN	Input selector Lch input 1	45	FIL4_L	Lch Bass filter DC cut capacitor input terminal
14	R1IN	Input selector Rch input 1	46	FIL3_L	Lch Bass filter DC cut capacitor output terminal
15	L2IN	Input selector Lch input 2	47	FIL2_L	Lch Bass filter terminal
16	R2IN	Input selector Rch input 2	48	FIL1_L	Lch Treble filter terminal
17	L3IN	Input selector Lch input 3	49	LOUT	Lch output
18	R3IN	Input selector Rch input 3	50	ROUT	Rch output
19	L4IN	Input selector Lch input 4	51	COUT	Cch output
20	R4IN	Input selector Rch input 4	52	SLOUT	SLch output
21	L5IN	Input selector Lch input 5	53	SROUT	SRch output
22	R5IN	Input selector Rch input 5	54	SWOUT	SWch output
23	L6IN	Input selector Lch input 6	55	V+	+ Power supply voltage input
24	R6IN	Input selector Rch input 6	56	GND	Ground
25	L7IN	Input selector Lch input 7	57	V-	- Power supply voltage input
26	R7IN	Input selector Rch input 7	58	RECL1	Input selector Lch REC output 1
27	L8IN	Input selector Lch input 8	59	RECR1	Input selector Rch REC output 1
28	R8IN	Input selector Rch input 8	60	RECL2	Input selector Lch REC output 2
29	DATA	Control data signal input	61	RECR2	Input selector Rch REC output 2
30	CLOCK	Clock signal input	62	RECL3	Input selector Lch REC output 3
31	LATCH	Latch signal input	63	RECR3	Input selector Rch REC output 3
32	LAIN	Multi-channel Lch input A	64	FIL1_R	Rch Treble filter terminal

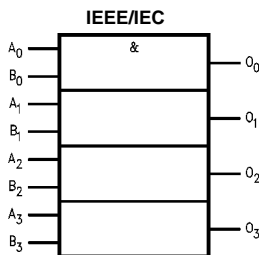
IC14 : CS42518



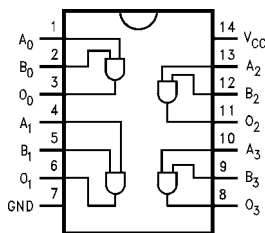
Pin Name	#	Pin Description
CX_SDIN1	1	Codec Serial Audio Data Input (<i>Input</i>) - Input for two's complement serial audio data.
CX_SDIN2	64	
CX_SDIN3	63	
CX_SDIN4	62	
CX_SCLK	2	CODEC Serial Clock (<i>Input/Output</i>) - Serial clock for the CODEC serial audio interface.
CX_LRCK	3	CODEC Left Right Clock (<i>Input/Output</i>) - Determines which channel, Left or Right, is currently active on the CODEC serial audio data line.
VD	4 51	Digital Power (<i>Input</i>) - Positive power supply for the digital section.
DGND	5 52	Digital Ground (<i>Input</i>) - Ground reference. Should be connected to digital ground.
VLC	6	Control Port Power (<i>Input</i>) - Determines the required signal level for the control port.
SCL/CCLK	7	Serial Control Port Clock (<i>Input</i>) - Serial clock for the serial control port. Requires an external pull-up resistor to the logic interface voltage in I ² C mode as shown in the Typical Connection Diagram.
SDA/CDOUT	8	Serial Control Data (<i>Input/Output</i>) - SDA is a data I/O line in I ² C mode and requires an external pull-up resistor to the logic interface voltage, as shown in the Typical Connection Diagram. 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) (<i>Input</i>) - 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.
CX_SDOUT	56	CODEC Serial Data Output (<i>Output</i>) - Output for two's complement serial audio data from the internal and external ADCs.
ADCIN1	58	External ADC Serial Input (<i>Input</i>) - The CS42518 provides for up to two external stereo analog to digital converter inputs to provide a maximum of six channels on one serial data output line when the CS42518 is placed in One Line mode.
ADCIN2	57	
OMCK	59	External Reference Clock (<i>Input</i>) - External clock reference that must be within the ranges specified in the register "OMCK Frequency (OMCK Freqx)" on page 53.
SAI_LRCK	60	Serial Audio Interface Left/Right Clock (<i>Input/Output</i>) - Determines which channel, Left or Right, is currently active on the serial audio data line.
SAI_SCLK	61	Serial Audio Interface Serial Clock (<i>Input/Output</i>) - Serial clock for the Serial Audio Interface.

AD0/ $\overline{\text{CS}}$	10	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 in SPI mode.
INT	11	Interrupt (Output) - The CS42518 will generate an interrupt condition as per the Interrupt Mask register. See "Interrupts" on page 40 for more details.
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 Left Channel Analog Input (Input) - Signals are presented differentially to the delta-sigma modulators via the AINL+/- 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. Should be connected to analog ground.
MUTE $\overline{\text{C}}$	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 RXP6/GPO6 RXP5/GPO5 RXP4/GPO4 RXP3/GPO3 RXP2/GPO2 RXP1/GPO1	42 43 44 45 46 47 48	S/PDIF Receiver Input/ General Purpose Output (Input/Output) - Receiver inputs for S/PDIF encoded data. The CS42518 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.
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.
VLS	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 (OMCK, pin 59) or the PLL which is locked to the incoming S/PDIF stream or CX_LRCK.

Logic Symbol



Connection Diagram



Pin Descriptions

Pin Names	Description
A _n , B _n	Inputs
O _n	Outputs

Truth Table

A	B	O
L	L	L
L	H	L
H	L	L
H	H	H

IC20 : S3F84BB

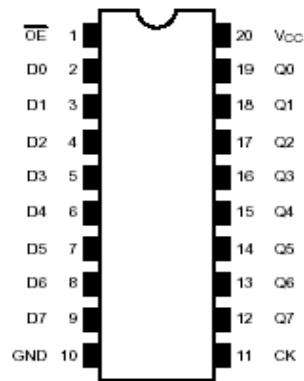
Table 1-1. S3C84BB/F84BB Pin Descriptions (80-QFP) (Continued)

Pin Name	Pin Type	Pin Description	Circuit Type	Pin Number	Share Pins
AD0 - AD7	I	Analog input pins for A/D converter module. Alternatively used as general-purpose digital input port 7.	E	48-45 42-39	P7.0-P7.7
AVREF, AVSS	-	A/D converter reference voltage and ground	-	43, 44	-
RxD0, RxD1	I/O	Serial data RxD pin for receive input and transmit output (mode 0)	D	18, 21	P5.3, P5.1
TxD0, TxD1	O	Serial data TxD pin for transmit output and shift clock input (mode 0)	D	20, 22	P5.2, P5.0
TACK	I	External clock input pins for timer A	D	3	P2.5
TACAP	I	Capture input pins for timer A	D	2	P2.6
TAOUT	O	Pulse width modulation output pins for timer A	D	1	P2.7
TBPWM	O	Carrier frequency output pins for timer B	D	4	P2.4
TCOUT0 TCOUT1	O	Timer C 8-bit PWM mode output or counter match toggle output pins	D	24,23	P3.6,P3.7
T1CK0 T1CK1	I	External clock input pins for timer 1	D	39,30	P3.0,P3.1
T1CAP0 T1CAP1	I	Capture input pins for timer 1	D	28,27	P3.2,P3.3
T1OUT0 T1OUT1	O	Timer 1 16-bit PWM mode output or counter match toggle output pins	D	26,25	P3.4,P3.5
SI,SO,SCK	I/O	Synchronous SIO pins	D	7,8,9	P2.1,P2.0, P2.2
RESETB	I	System reset pin (pull-up resistor: 240 kΩ)	B	19	-
TEST	I	Pull - down register connected internally	-	16	-
VDD1, VDD2, VSS1, VSS2	-	Power input pins	-	12,53, 13,52	-
XIN, XOUT	-	Main oscillator pins	-	15,14	-

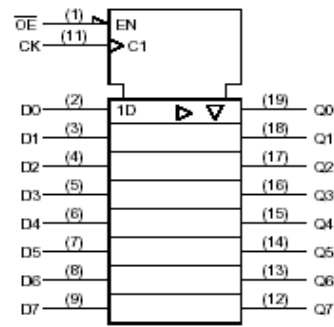
PIN NO.	PIN TYPE	DESCRIPTION
1	I/O	3713-STB2
2		3713-STB1
3		3713-CLK
4		3713-DATA
5		VFD-CE
6		VFD-CLK
7		VFD-BLK
8		VFD-DATA
9	I/O	MIX-SUB
10		WRITER-DATA
11		WRITER-CLK
12		VDD1
13		VSS1
14		X-OUT
15		X-IN
16	I	TEST
17		N.C
18		N.C
19	I	MCU-RESET
20	O	V-SW2
21	O	V-SW1
22	O	TV-ON
23		N.C
24		N.C
25	O	SP-ON
26	O	SP-MUL
27	I	H/P-IN
28	I	PRO-IN
29	I	SHUT-IN
30	O	POWER-ON
31	I/O	BACKUP
32		N.C
33		IR-KILL
34		BUS-OUT
35		INT/EXT-SW
36		REMOTE/BUS-IN
37		REMOTE/BUS-IN
38		RDS-CLK
39	I	RDS-DATA
40		KEY-IN

PIN NO.	PIN TYPE	DESCRIPTION
41		N.C
42		N.C
43		AVREF
44		AVSS
45		N.C
46	I	STEREO
47		TUNED
48		PLL-DOUT
49	O	PLL-CLK
50	O	PLL-CE
51	O	PLL-DATA
52		VSS2
53		VDD2
54	O	T-MUTE
55		N.C
56		ROM-SEL3
57		ROM-SEL2
58		ROM-SEL1
59	I/O	ROM/RAM
60		VOL-REQ
61		VOL-CLK
62		VOL-DATA
63		F-MUTE
64		S-MUTE
65	I/O	V-A
66		V-B
67		OPTION-E
68		OPTION-D
69		OPTION-C
70		OPTION-B
71		OPTION-A
72	I	DAC-INT
73	O	DAC-CS
74	O	DAC-RST
75	O	DSP-RST
76	O	SCLK
77	O	D-IN
78	O	DSP-CS
79	O	D-OUT
80	O	DSP-INT

Pin Assignment (top view)



IEC Logic Symbol



Truth Table

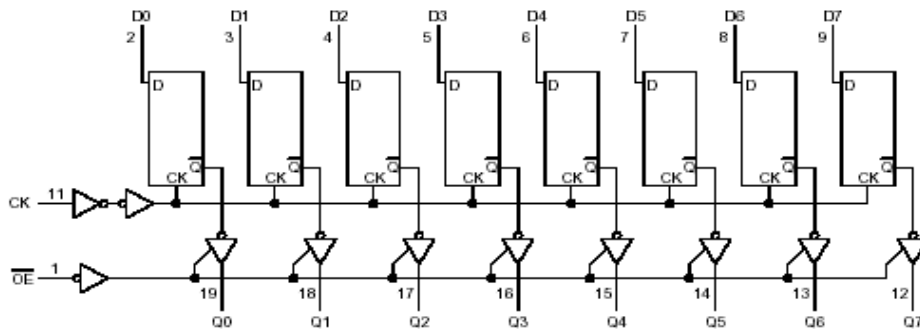
Inputs			Outputs
\overline{OE}	CK	D	
H	X	X	Z
L	\downarrow	X	Qn
L	\uparrow	L	L
L	\uparrow	H	H

X: Don't care

Z: High impedance

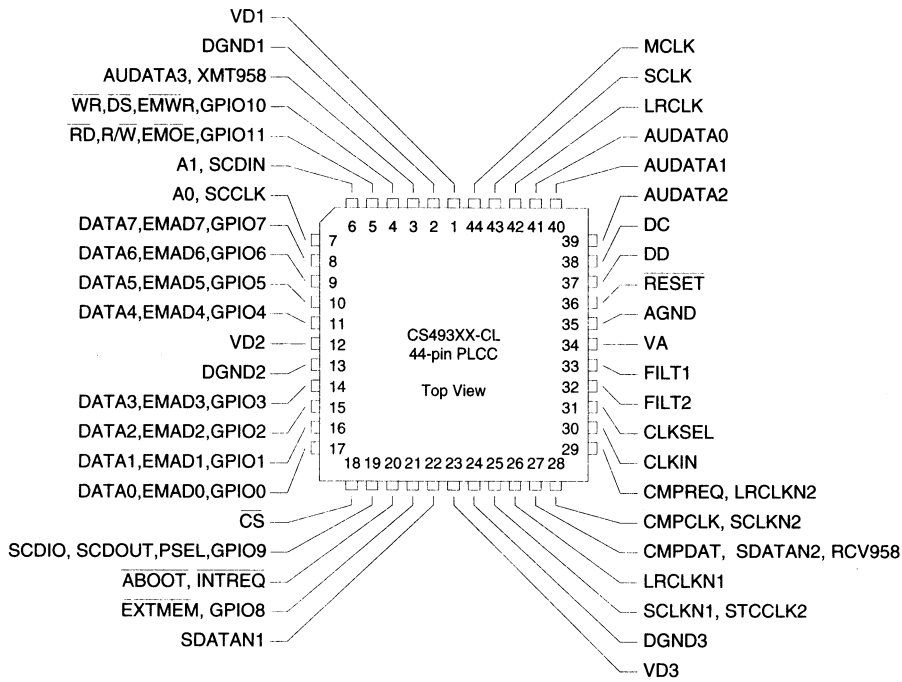
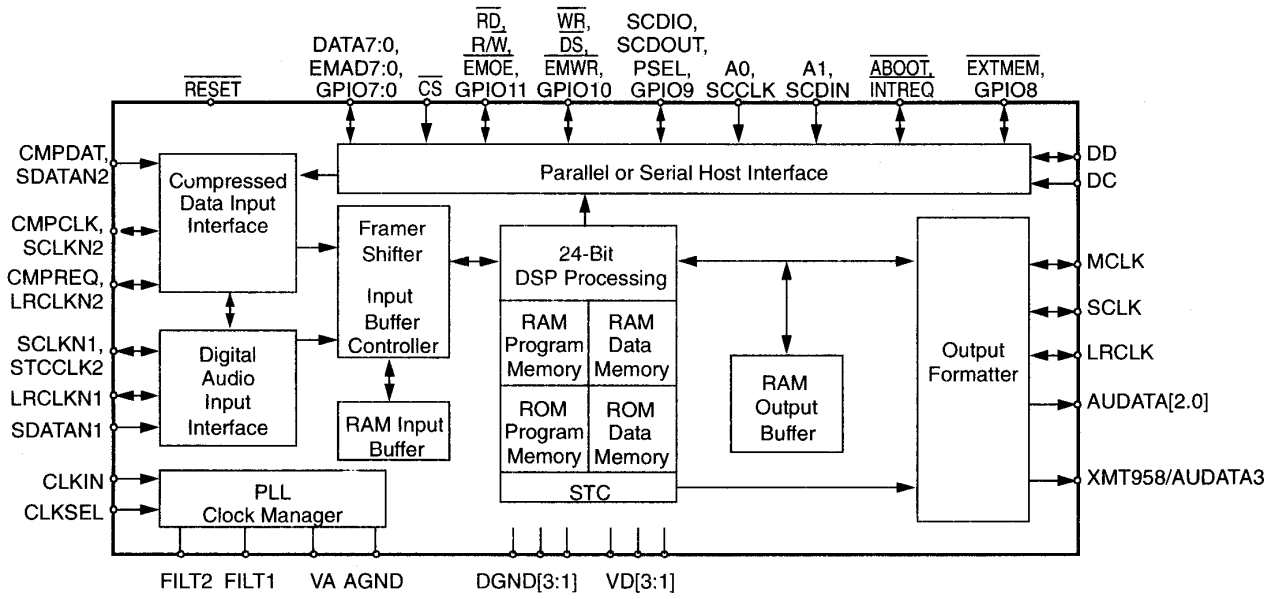
Qn: No change

System Diagram



PIN DESCRIPTION

SYMBOL	PIN NAME
A0~A17	Address Input
Q0~Q14	Data Input/Output
Q15/A-1	Q15(Word mode)/LSB addr(Byte mode)
\overline{CE}	Chip Enable Input
\overline{WE}	Write Enable Input
\overline{BYTE}	Word/Byte Selection input
\overline{RESET}	Hardware Reset Pin/Sector Protect Unlock
\overline{OE}	Output Enable Input
RY/ \overline{BY}	Ready/Busy Output
VCC	Power Supply Pin (2.7V~3.6V)
GND	Ground Pin



VA—Analog Positive Supply: Pin 34

Analog positive supply for clock generator. Nominally +2.5 V.

AGND—Analog Supply Ground: Pin 35

Analog ground for clock generator PLL.

VD1, VD2, VD3—Digital Positive Supply: Pins 1, 12, 23

Digital positive supplies. Nominally +2.5 V.

DGND1, DGND2, DGND3—Digital Supply Ground: Pins 2, 13, 24

Digital ground.

FILT1—Phase-Locked Loop Filter: Pin 33

Connects to an external filter for the on-chip phase-locked loop.

FILT2—Phase Locked Loop Filter: Pin 32

Connects to an external filter for the on-chip phase-locked loop.

CLKIN—Master Clock Input: Pin 30

CS493XX clock input. When in internal clock mode (CLKSEL == DGND), this input is connected to the internal PLL from which all internal clocks are derived. When in external clock mode (CLKSEL == VD), this input is connected to the DSP clock. *INPUT*

CLKSEL—DSP Clock Select: Pin 31

This pin selects the clock mode of the CS493XX. When CLKSEL is low, CLKIN is connected to the internal PLL from which all internal clocks are derived. When CLKSEL is high CLKIN is connected to the DSP clock. *INPUT*

DATA7, EMAD7, GPIO7—Pin 8**DATA6, EMAD6, GPIO6—Pin 9****DATA5, EMAD5, GPIO5—Pin 10****DATA4, EMAD4, GPIO4—Pin 11****DATA3, EMAD3, GPIO3—Pin 14****DATA2, EMAD2, GPIO2—Pin 15****DATA1, EMAD1, GPIO1—Pin 16****DATA0, EMAD0, GPIO0—Pin 17**

In parallel host mode, these pins provide a bidirectional data bus. If a serial host mode is selected, these pins can provide a multiplexed address and data bus for connecting an 8-bit external memory. Otherwise, in serial host mode, these pins can act as general-purpose input or output pins that can be individually configured and controlled by the DSP.

BIDIRECTIONAL - Default: INPUT

A0, SCCLK—Host Parallel Address Bit Zero or Serial Control Port Clock: Pin 7

In parallel host mode, this pin serves as one of two address input pins used to select one of four parallel registers. In serial host mode, this pin serves as the serial control clock signal, specifically as the SPI clock input or the I²C clock input. *INPUT*

A1, SC DIN—Host Address Bit One or SPI Serial Control Data Input: Pin 6

In parallel host mode, this pin serves as one of two address input pins used to select one of four parallel registers. In SPI serial host mode, this pin serves as the data input. *INPUT*

RD, R/W, EMOE, GPIO11—Host Parallel Output Enable or Host Parallel R/W or External Memory Output Enable or General Purpose Input & Output Number 11: Pin 5

In Intel parallel host mode, this pin serves as the active-low data bus enable input. In Motorola parallel host mode, this pin serves as the read-high/write-low control input signal. In serial host mode, this pin can serve as the external memory active-low data-enable output signal. Also in serial host mode, this pin can serve as a general purpose input or output bit.

BIDIRECTIONAL - Default: INPUT

WR, DS, EMWR, GPIO10—Host Write Strobe or Host Data Strobe or External Memory Write Enable or General Purpose Input & Output Number 10: Pin 4

In Intel parallel host mode, this pin serves as the active-low data-write-input strobe. In Motorola parallel host mode, this pin serves as the active-low data-strobe-input signal. In serial host mode, this pin can serve as the external-memory active-low write-enable output signal. Also in serial host mode, this pin can serve as a general purpose input or output bit.

BIDIRECTIONAL - Default: INPUT

CS—Host Parallel Chip Select, Host Serial SPI Chip Select: Pin 18

In parallel host mode, this pin serves as the active-low chip-select input signal. In serial host SPI mode, this pin is used as the active-low chip-select input signal. *INPUT*

RESET—Master Reset Input: Pin 36

Asynchronous active-low master reset input. Reset should be low at power-up to initialize the CS493XX and to guarantee that the device is not active during initial power-on stabilization periods. At the rising edge of reset the host interface mode is selected contingent on the state of the RD, WR and PSEL pins. Additionally, an autoboot sequence can be initiated if a serial control mode is selected and ABOOT is held low. If reset is low all bidirectional pins are high impedance inputs. *INPUT*

SCDIO, SC DOUT, PSEL, GPIO9—Serial Control Port Data Input and Output, Parallel Port Type Select: Pin 19

In I²C mode, this pin serves as the open-drain bidirectional data pin. In SPI mode this pin serves as the data output pin. In parallel host mode, this pin is sampled at the rising edge of RESET to configure the parallel host mode as an Intel type bus or as a Motorola type bus. In parallel host mode, after the bus mode has been selected, the pin can function as a general-purpose input or output pin. *BIDIRECTIONAL - Default: INPUT*

In I²C mode this pin is an OPEN DRAIN I/O and requires a 4.7k Pull-Up

EXTMEM, GPIO8—External Memory Chip Select or General Purpose Input & Output Number 8: Pin 21

In serial control port mode, this pin can serve as an output to provide the chip-select for an external byte-wide ROM. In parallel and serial host mode, this pin can also function as a general-purpose input or output pin. *BIDIRECTIONAL - Default: INPUT*

INTREQ, ABOOT—Control Port Interrupt Request, Automatic Boot Enable: Pin 20

Open-drain interrupt-request output. This pin is driven low to indicate that the DSP has outgoing control data and should be serviced by the host. Also in serial host mode, this signal initiates an automatic boot cycle from external memory if it is held low through the rising edge of reset. *OPEN DRAIN I/O - Requires 4.7k Ohm Pull-Up*

AUDATA2—Digital Audio Output 2: Pin 39

PCM multi-format digital-audio data output, capable of two-channel 20-bit output. This PCM output defaults to DGND as output until enabled by the DSP software. *OUTPUT*

AUDATA1—Digital Audio Output 1: Pin 40

PCM multi-format digital-audio data output, capable of two-channel 20-bit output. This PCM output defaults to DGND as output until enabled by the DSP software. *OUTPUT*

AUDATA0—Digital Audio Output 0: Pin 41

PCM multi-format digital-audio data output, capable of two-, four-, or six-channel 20-bit output. This PCM output defaults to DGND as output until enabled by the DSP software. *OUTPUT*

MCLK—Audio Master Clock: Pin 44

Bidirectional master audio clock. MCLK can be an output from the CS493XX that provides an oversampled audio-output clock at either 128 Fs, 256 Fs, or 512 Fs. MCLK can be an input at 128 Fs, 256 Fs, 384 Fs, or 512 Fs. MCLK is used to derive SCLK and LRCLK when SCLK and LRCLK are driven by the CS493XX. *BIDIRECTIONAL - Default: INPUT*

SCLK—Audio Output Bit Clock: Pin 43

Bidirectional digital-audio output bit clock. SCLK can be an output that is derived from MCLK to provide 32 Fs, 64 Fs, 128 Fs, 256 Fs, or 512 Fs, depending on the MCLK rate and the digital-output configuration. SCLK can also be an input and must be at least 48Fs or greater. As an input, SCLK is independent of MCLK. *BIDIRECTIONAL - Default: INPUT*

LRCLK—Audio Output Sample Rate Clock: Pin 42

Bidirectional digital-audio output-sample-rate clock. LRCLK can be an output that is divided from MCLK to provide the output sample rate depending on the output configuration. LRCLK can also be an input. As an input LRCLK is independent of MCLK.

BIDIRECTIONAL - Default: INPUT

AUDATA3, XMT958—SPDIF Transmitter Output, Digital Audio Output 3: Pin 3

CMOS level output that contains a biphasic-mark encoded (S/PDIF) or I²S or Left Justified digital audio data which is capable of carrying two channels of PCM digital audio or an IEC61937 compressed-data interface.

Note: Outputting of IEC61937 is only available for certain broadcast-based application codes which run on the CS4931X family or CS49330 device.

This output typically connects to the input of an RS-422 transmitter or to the input of an optical transmitter. *OUTPUT*

SCLKN1, STCCLK2—PCM Audio Input Bit Clock: Pin 25

Bidirectional digital-audio bit clock that is an output in master mode and an input in slave mode. In slave mode, SCLKN1 operates asynchronously from all other CS493XX clocks. In master mode, SCLKN1 is derived from the CS493XX internal clock generator. In either master or slave mode, the active edge of SCLKN1 can be programmed by the DSP. For applications supporting PES layer synchronization this pin can be used as STCCLK2, which provides a path to the internal STC 33 bit counter. *BIDIRECTIONAL - Default: INPUT*

LRCLKN1—PCM Audio Input Sample Rate Clock: Pin 26

Bidirectional digital-audio frame clock that is an output in master mode and an input in slave mode. LRCLKN1 typically is run at the sampling frequency. In slave mode, LRCLKN1 operates asynchronously from all other CS493XX clocks. In master mode, LRCLKN1 is derived from the CS493XX internal clock generator. In either master or slave mode, the polarity of LRCLKN1 for a particular subframe can be programmed by the DSP.

BIDIRECTIONAL - Default: INPUT

SDATAN1—PCM Audio Data Input Number One: Pin 22

Digital-audio data input that can accept from one to six channels of compressed or PCM data. SDATAN1 can be sampled with either edge of SCLKN1, depending on how SCLKN1 has been configured. *INPUT*

CMPCLK, SCLKN2—PCM Audio Input Bit Clock: Pin 28

Bidirectional digital-audio bit clock that is an output in master mode and an input in slave mode. In slave mode, SCLKN2 operates asynchronously from all other CS493XX clocks. In master mode, SCLKN2 is derived from the CS493XX internal clock generator. In either master or slave mode, the active edge of SCLKN2 can be programmed by the DSP. If the CDI is configured for bursty delivery, CMPCLK is an input used to sample CMPDAT.

BIDIRECTIONAL - Default: INPUT

CMPREQ, LRCLKN2—PCM Audio Input Sample Rate Clock: Pin 29

When the CDI is configured as a digital audio input, this pin serves as a bidirectional digital-audio frame clock that is an output in master mode and an input in slave mode. LRCLKN2 typically is run at the sampling frequency. In slave mode, LRCLKN2 operates asynchronously from all other CS493XX clocks. In master mode, LRCLKN2 is derived from the CS493XX internal clock generator. In either master or slave mode, the polarity of LRCLKN2 for a particular subframe can be programmed by the DSP. When the CDI is configured for bursty delivery, or parallel audio data delivery is being used, CMPREQ is an output which serves as an internal FIFO monitor. CMPREQ is an active low signal that indicates when another block of data can be accepted. *BIDIRECTIONAL - Default: INPUT*

CMPDAT, SDATAN2—PCM Audio Data Input Number Two: Pin 27

Digital-audio data input that can accept from one to six channels of compressed or PCM data. SDATAN2 can be sampled with either edge of SCLKN2, depending on how SCLKN2 has been configured. Similarly CMPDAT is the compressed data input pin when the CDI is configured for bursty delivery. When in this mode, the CS493XX internal PLL is driven by the clock recovered from the incoming data stream. *INPUT*

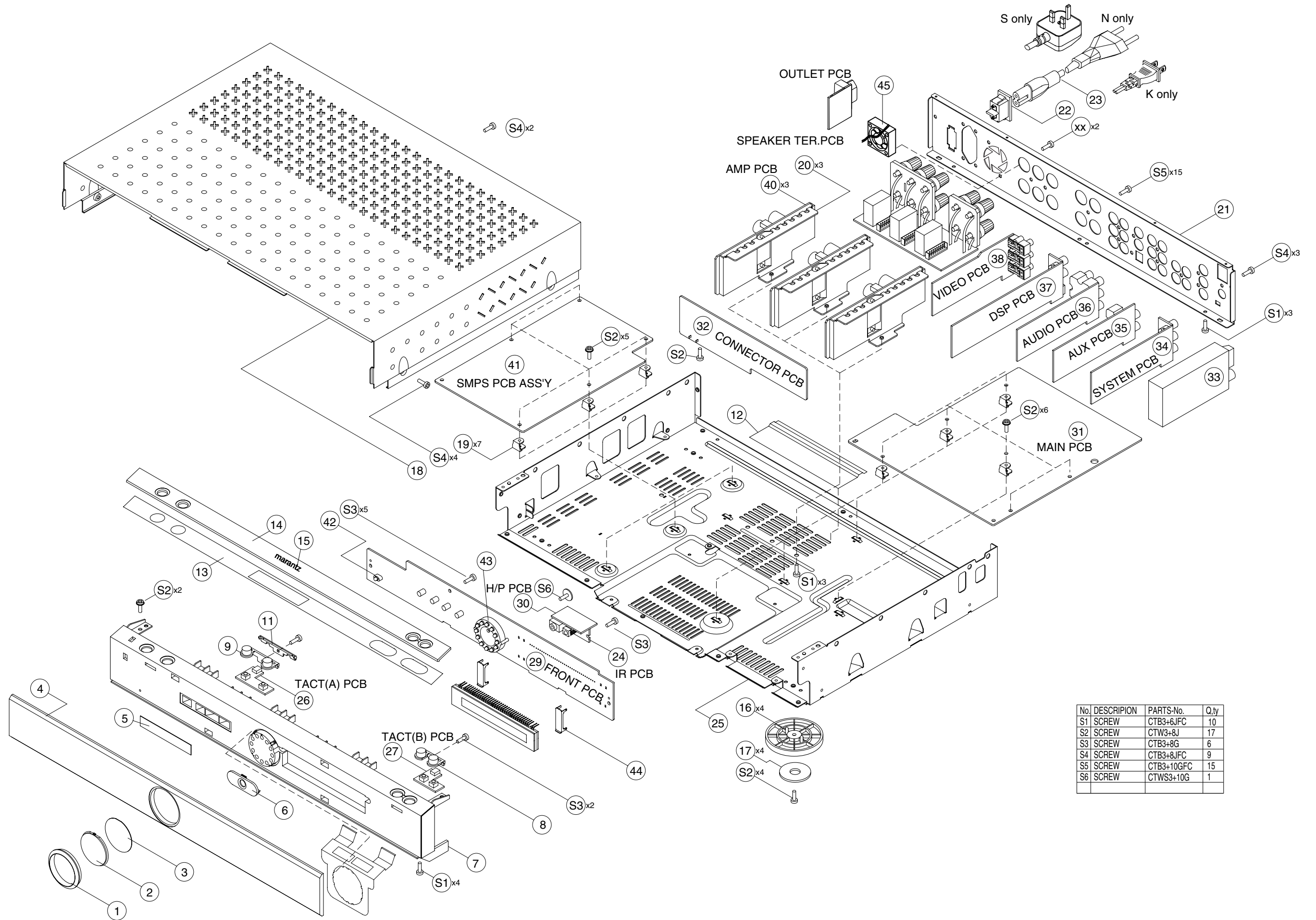
DC—Reserved: Pin 38

This pin is reserved and should be pulled up with an external 4.7k resistor.

DD—Reserved: Pin 37

This pin is reserved and should be pulled up with an external 4.7k resistor.

9. EXPLODED VIEW AND PARTS LIST



No.	DESCRIPTION	PARTS-No.	Q.ty
S1	SCREW	CTB3+6JFC	10
S2	SCREW	CTW3+8J	17
S3	SCREW	CTB3+8G	6
S4	SCREW	CTB3+8JFC	9
S5	SCREW	CTB3+10GFC	15
S6	SCREW	CTWS3+10G	1

POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	DESCRIPTION			
1		33AW353010	33AW353010	RING	VOLUME AL RING	CGK1A097C40	
2		33AW158020	33AW158020	WINDOW	VOLUME RING	CGU1A330Z	
4		33AW158010	33AW158010	WINDOW	WINDOW AND ADHESIVE TAPE	KGU1A328ZH46	
6		33AW355010	33AW355010	LENS	IR WINDOW LENS	CGU1A331ZG13	
7		33AW248010	33AW248010	FRONT PANEL	FRONT PANEL SR2400 SILVER	CGW1A371RFZG13	
8		33AW270020	33AW270020	BUTTON	BUTTON VOLUME	CBT1A916C22	
9		33AW270010	33AW270010	BUTTON	BUTTON POWER	CBT1A915C22	
11		nsp	nsp	BRACKET	BRACKET , KNOB(1)	CMD1A513	
13		33AW122010	33AW122010	TAPE	BOTH SIDE	CHP1A052	
14		33AW063010	33AW063010	ESCUTCHEON	TOP AL ORNAMENT	CKM1A140ZC40	
15		33AW251010	33AW251010	BADGE	MARANTZ STAINLESS BADGE	HGB1A132	
16		33AW057010	33AW057010	LEG	LEG SILVER	CKL1A185H30	
17		33AW056010	33AW056010	CUSHION	LEG 2T	KHG2A039Z	
19		nsp	nsp	SUPPORT	SUPPORT , PCB	CMD1A502	
20		nsp	nsp	HEATSINK	INSULATOR , AMP PCB	CMX1A152	
21	/N	nsp	nsp	PANEL	PANEL , REAR	CKF1A271ZG14	
▲	22	*YJ002730R	*YJ002730R	INLET	RF-180-BB 2.5A 250V AC	HJJ8A003Z	
	25	nsp	nsp	CHASSIS	CHASSIS , BOTTOM	CUA1A239	
	24, 26, 27, 29, 30	nsp	nsp	PCB ASSY	FRONT PCB ASS'Y	COP11643E	
	31,32	nsp	nsp	PCB ASSY	MAIN PCB ASS'Y	COP11622E	
	33	/N	*AV000370R	*AV000370R	TUNER	TUNER MODULE WITH RDS FOR EUR CNVML114MA1-17A	
	34, 35, 36, 38	nsp	nsp	PCB ASSY	INPUT PCB ASS'Y	COP11624E	
	37	nsp	nsp	PCB ASSY	DSP PCB ASS'Y	COP11623E	
	39	nsp	nsp	PCB ASSY	SPEAKER TER.PCB ASS'Y	COP11626E	
	40	nsp	nsp	PCB ASSY	AMP PCB ASS'Y	COP11625E	
	41	*ZZ002320R	*ZZ002320R	PCB ASSY	SMPS PCB ASSY	COP11641ESMPS	
		*YU001430R	*YU001430R	FPC	13PIN 110MM CN24 TO TUNER	CWC1B2A13B110B	
		nsp	nsp	CONNECTIVE CORD		CWEDV2400BN61	
	45	*MM001300R	*MM001300R	MOTOR	FAN BFQ-1	HDMF410T12L1C01	
		*FC500020R	*FC500020R	FERRITE CORE	D 30 M/M	KLZ9W001Z	
		*YU001440R	*YU001440R	FPC	19PIN 160MM CN81 TO CN24	CWC1B2A19A160B	
					PACKING		
	/K/S	nsp	33AW851350	USER GUIDE	USER GUIDE 2LANG.		
	/N	33AW851310	33AW851310	USER GUIDE	USER GUIDE 9LANG.	CQX1A870Z	
		ZK33AW0010	ZK33AW0010	UNIT KIT	REMOTE CONTROLLER RC2400SR	CARTSR2400	
▲	23	/K	nsp	*ZC000380R	MAINS CORD	MAINS CORD FOR K	
▲	23	/N	*ZC000360R	*ZC000360R	MAINS CORD	MAINS CORD FOR N 2.5A/250V	CJA2B080Z
▲	23	/S	nsp	*ZC000300R	MAINS CORD	MAINS CORD FOR S	CJA2E079Z
					NOT STANDARD SPARE PART		
		nsp	33AW801010	PACKING CASE	PACKING CASE SR2400	CPG1A739Z	
		nsp	33AW809010	CUSHION	CUSHION L	CPS1A644	
		nsp	33AW809020	CUSHION	CUSHION R	CPS1A645	
	18	nsp	33AW257010	LID	TOP COVER SILVER		

NOTE : *nsp* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	DESCRIPTION		
				FRONT PCB , TACT(A) PCB, TACT(B) PCB, H/P PCB, IR PCB (CUP11643)		
		nsp	nsp	BRACKET	FL DISPLAY HOLDER	CMD1A504
BD81		*FN000090R	*FN000090R	EMC FILTER		KLZ9H001Z
BD82		*FN000090R	*FN000090R	EMC FILTER		KLZ9H001Z
BN81		nsp	nsp	CONNECTIVE CORD		CWB2B903280EW
BN82		nsp	nsp	CONNECTIVE CORD		CWB2B903100EW
BN83		nsp	nsp	CONNECTIVE CORD		CWB2B903070EW
BN84		nsp	nsp	CONNECTIVE CORD		CWB2B902120EW
BN85		nsp	nsp	CONNECTIVE CORD		CWB2B903100EW
BN86		nsp	nsp	CONNECTIVE CORD		CWB2B904100EW
CN81		nsp	nsp	JACK	19PIN 1MM/ANGLE	CJP19GB113ZY
CN82		nsp	nsp	JACK	MOLEX53015-0310	KJP03GB46ZM
CN83		nsp	nsp	JACK		KJP03GA19ZM
CN84		nsp	nsp	JACK	MOLEX35237-0310	KJP03GB99ZM
CN85		nsp	nsp	JACK	MOLEX53015-0310	KJP03GB46ZM
C801		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C802		nsp	EJ10605010	ELECT. CAP.	10µF 35V	HCEA1VKS100T
C803		nsp	nsp	CER. CAP.	47pF 50V J	HCBS1H470JT
C804		nsp	EJ10605010	ELECT. CAP.	10µF 35V	HCEA1VKS100T
C805		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C806		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C807		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C808		nsp	EJ47601610	ELECT. CAP.	47µF 16V Z	HCEA1CKS470T
C809		nsp	nsp	CER. CAP.	220pF 50V K	HCBS1H221KBT
C810		nsp	nsp	CER. CAP.	220pF 50V K	HCBS1H221KBT
C811		nsp	nsp	CER. CAP.	220pF 50V K	HCBS1H221KBT
C812		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C813		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C814		nsp	EJ47601610	ELECT. CAP.	47µF 16V	HCEA1CKS470T
C815		nsp	nsp	CER. CAP.	220pF 50V K	HCBS1H221KBT
C816		nsp	nsp	CER. CAP.	220pF 50V K	HCBS1H221KBT
C817		nsp	nsp	CER. CAP.	220pF 50V K	HCBS1H221KBT
C818		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C819		nsp	EJ47601610	ELECT. CAP.	47µF 16V	HCEA1CKS470T
C820		nsp	nsp	CER. CAP.	470pF 50V	HCBS1H471KBT
C821		nsp	EJ10505010	ELECT. CAP.	1µF 50V	HCEA1HKS1R0T
C822		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C823		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C824		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C825		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C826		nsp	nsp	CER. CAP.	47pF 50V J	HCBS1H470JT
C827		nsp	nsp	CER. CAP.	0.1µF 50V	HCBS1H104ZFT
C828		nsp	EJ47601610	ELECT. CAP.	47µF 16V	HCEA1CKS470T
C829		nsp	EJ47601610	ELECT. CAP.	47µF 16V	HCEA1CKS470T
C830		nsp	EJ47601610	ELECT. CAP.	47µF 16V	HCEA1CKS470T
D801		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D820		HD30511000	HD30511000	ZENER DIODE	5.1V ZENER	HVDMTZJ5.1BT
D821		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D822		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D823		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D802		*HI101090R	*HI101090R	L.E.D.	SPR-39MVW3 2COLOR	HVDSPR39MVW3
D803		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0
D804		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0
D805		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0
D806		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0

NOTE : *nsp* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	DESCRIPTION		
D807		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0
D808		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0
D809		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0
D810		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0
D811		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0
D812		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0
D813		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0
D814		*HI101080R	*HI101080R	L.E.D.	BLUE L.E.D	CVDLEBBL33T0
D815		*HI101070R	*HI101070R	L.E.D.	BLUE L.E.D	CVD52CSBBCEAB3
D816		*HI101070R	*HI101070R	L.E.D.	BLUE L.E.D	CVD52CSBBCEAB3
D817		*HI101070R	*HI101070R	L.E.D.	BLUE L.E.D	CVD52CSBBCEAB3
D819		*HI101070R	*HI101070R	L.E.D.	BLUE L.E.D	CVD52CSBBCEAB3
FL81		*HQ300640R	*HQ300640R	DISPLAY		HFLHCA14SM08
IC81		HC10135090	HC10135090	IC	NJU3713G	HVINJU3713G
IC82		HC10135090	HC10135090	IC	NJU3713G	HVINJU3713G
JK81		*YT003550R	*YT003550R	JACK	TC38-160-02	HJJ2E027Z
JW82		nsp	nsp	CONNECTIVE CORD		CWE8202120RV
JW83		nsp	nsp	CONNECTIVE CORD		CWE8202070RV
JW84		nsp	nsp	CONNECTIVE CORD		CWE8202070RV
J101		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J102		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J103		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J104		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J105		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J106		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J107		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J108		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J109		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J110		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J111		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J114		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J201		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J601		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J602		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J603		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J604		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J605		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J606		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J607		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J608		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J609		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J610		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J611		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J612		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J613		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J614		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J615		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J701		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J702		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J703		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J704		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J705		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
Q801		*HT800100R	*HT800100R	ELECT. CAP.	KSC945CY	HVTKSC945CYT
Q802		BA20001000	BA20001000	ELECT CAP.	KRC102M	HVTKRC102MT
Q803		BA10001000	BA10001000	ELECT CAP.	KRA102M	HVTKRA102MT
Q804		BA10001000	BA10001000	TRS.	KRA102M	HVTKRA102MT
Q805		BA10001000	BA10001000	TRS.	KRA102M	HVTKRA102MT

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POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	DESCRIPTION		
Q806		HT30001000	HT30001000	TRS.	KTC3199Y	HVTKTC3199YT
R801		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R802		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R803		nsp	nsp	RES.	4.7kΩ 1/6W J	CRD20TJ472T
R804		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R805		nsp	nsp	RES.	4.7Ω 1/6W J	CRD20TJ4R7T
R806		nsp	nsp	RES.	4.7Ω 1/6W J	CRD20TJ4R7T
R807		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R808		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R809		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R810		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R811		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R813		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R814		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R815		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R816		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R817		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R818		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R819		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R820		nsp	nsp	RES.	68Ω 1/6W J	CRD20TJ680T
R821		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R822		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R823		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R824		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R825		nsp	nsp	RES.	1.5kΩ 1/6W J	CRD20TJ152T
R826		nsp	nsp	RES.	1.8kΩ 1/6W J	CRD20TJ182T
R827		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R828		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R829		nsp	nsp	RES.	22Ω 1/6W J	CRD20TJ220T
R830		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R831		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R832		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R833		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R834		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R835		nsp	nsp	RES.	220Ω 1/6W J	CRD25TJ221T
R836		nsp	nsp	RES.	220Ω 1/6W J	CRD25TJ221T
R837		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R838		nsp	nsp	RES.	220Ω 1/6W J	CRD25TJ221T
R839		nsp	nsp	RES.	220Ω 1/6W J	CRD25TJ221T
R840		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R841		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R842		nsp	nsp	RES.	18kΩ 1/6W J	CRD20TJ183T
R843		nsp	nsp	RES.	18kΩ 1/6W J	CRD20TJ183T
R844		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
RC81		HW10004210	HW10004210	PHOTO UNIT	RPM6936-V4	BRVRPM6936V4
SW81		*SP001210R	*SP001210R	SWITCH	TACT SWITCH SKHV10910G	CST1A012ZT
SW82		*SP001210R	*SP001210R	SWITCH	TACT SWITCH SKHV10910G	CST1A012ZT
SW83		*SP001210R	*SP001210R	SWITCH	TACT SWITCH SKHV10910G	CST1A012ZT
SW84		*SP001210R	*SP001210R	SWITCH	TACT SWITCH SKHV10910G	CST1A012ZT
WN84		nsp	nsp	JACK	MOLEX35336-0310	KJP03GA98ZM
					MAIN PCB (CUP11622-1), CONNECTOR PCB (CUP11622-2)	
BAT1		nsp	nsp	BATTERY	GP40BBVH3A3H	HABGP40BBVH3A3H
BD10		*FN000090R	*FN000090R	EMC FILTER		KLZ9H001Z
BD12		*FN000090R	*FN000090R	EMC FILTER		KLZ9H001Z
BD15		*FN000090R	*FN000090R	EMC FILTER		KLZ9H001Z

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POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	DESCRIPTION		
BD16		*FN000090R	*FN000090R	EMC FILTER		KLZ9H001Z
BK10		nsp	nsp	BRACKET	BRACKET FOR MAIN PCB	CMD1A387
BN26		nsp	nsp	CONNECTIVE CORD		CWB1C007200BM
BN27		nsp	nsp	CONNECTIVE CORD		CWB1C008250EN
BN96		nsp	nsp	CONNECTIVE CORD		CWB1C002100BM
CN22		nsp	nsp	JACK	MOLEX53014-0610	KJP06GA19ZM
CN23		nsp	nsp	JACK	MOLEX35336-1310	KJP13GA98ZM
CN24		nsp	nsp	JACK		CJP19GA117ZY
CN25		nsp	nsp	JACK		CJP13GA115ZY
CN81		nsp	nsp	JACK		KJP03GA19ZM
CN84		nsp	nsp	JACK		KJP02GA19ZM
CN86		nsp	nsp	JACK		KJP04GA19ZM
C101		nsp	nsp	CER. CAP.	1000pF 50V B	HCBS1H102KBT
C102		nsp	nsp	FILM CAP	0.01µF 50V J	HCQI1H103JZT
C103		nsp	OA47602520	ELECT. CAP.	47µF 25V	HCEA1EH470T
C104		nsp	nsp	CER. CAP.	0.047µF 50V Z	HCBS1H473ZFT
C105		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C106		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C107		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C108		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C109		nsp	nsp	CER. CAP.	150pF 50V KB	CCKT1H151KB
C110		nsp	nsp	CER. CAP.	220pF 50V KB	CCKT1H221KB
C111		nsp	OA22701620	ELECT. CAP.	220µF 16V	HCEA1CH221T
C112		nsp	nsp	CER. CAP.	220pF 50V KB	CCKT1H221KB
C113		nsp	nsp	CER. CAP.	150pF 50V KB	CCKT1H151KB
C114		nsp	OA22701620	ELECT. CAP.	220µF 16V	HCEA1CH221T
C115		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C116		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C117		nsp	nsp	FILM CAP	1200pF 50V J	HCQI1H122JZT
C118		nsp	nsp	FILM CAP	1200pF 50V J	HCQI1H122JZT
C119		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C120		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C121		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C122		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C123		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C124		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C125		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C126		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C127		nsp	nsp	FILM CAP	4700pF 50V J	HCQI1H472JZT
C128		*DF100370R	*DF100370R	FILM CAP.	0.22µF 63V J	KCFE1J224JBT
C129		EQ47505030	EQ47505030	ELECT. CAP.	4.7µF 50V B.P	HCEA1HN4R7T
C130		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C131		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C132		nsp	nsp	CER. CAP.	150pF 50V KB	CCKT1H151KB
C133		nsp	nsp	CER. CAP.	150pF 50V KB	CCKT1H151KB
C134		nsp	nsp	CER. CAP.	50V 0.1UF	CCKT1H104ZF
C142		nsp	nsp	CER. CAP.	180pF 50V KB	CCKT1H181KB
C143		nsp	nsp	CER. CAP.	180pF 50V KB	CCKT1H181KB
C144		nsp	nsp	CER. CAP.	180pF 50V KB	CCKT1H181KB
C152		nsp	OA10505020	ELECT. CAP.	1µF 50V	HCEA1HH1R0T
C153		EQ47505030	EQ47505030	ELECT. CAP.	4.7µF 50V B.P	HCEA1HN4R7T
C154		*DF100370R	*DF100370R	FILM CAP.	0.22µF 63V J	KCFE1J224JBT
C155		nsp	nsp	FILM CAP	4700pF 50V J	HCQI1H472JZT
C160		nsp	nsp	CER. CAP.	33pF 50V JC	CCCT1H330JC
C161		nsp	nsp	CER. CAP.	33pF 50V JC	CCCT1H330JC
C162		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C163		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T

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POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	DESCRIPTION		
C164		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C165		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C166		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C167		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C168		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C169		nsp	nsp	FILM CAP	0.022µF 50V J	HCQI1H223JZT
C170		nsp	OA22601620	ELECT. CAP.	22µF 16V	HCEA1CH220T
C171		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C172		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C173		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C174		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C175		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C176		nsp	nsp	CER. CAP.	2700pF 50V KB	CCKT1H272KB
C177		nsp	nsp	CER. CAP.	2700pF 50V KB	CCKT1H272KB
C178		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C179		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C180		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C181		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C182		nsp	nsp	CER. CAP.	150pF 50V K	HCBS1H151KBT
C183		nsp	nsp	CER. CAP.	100pF 50V K	HCBS1H101KBT
C184		nsp	nsp	CER. CAP.	100pF 50V K	HCBS1H101KBT
C185		nsp	nsp	CER. CAP.	100pF 50V K	HCBS1H101KBT
C188		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C189		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C190		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C191		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C193		nsp	OA47601640	ELECT. CAP.	47µF 16V	HCEA1CH470T
C194		nsp	nsp	FILM CAP	0.022µF 50V J	HCQI1H223JZT
C195		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C196		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C197		nsp	OA10505020	ELECT. CAP.	1µF 50V	HCEA1HH1R0T
C198		nsp	nsp	CER. CAP.	560pF 50V KB	CCKT1H561KB
C199		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C200		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C203		nsp	nsp	CER. CAP.	560pF 50V KB	CCKT1H561KB
C210		nsp	nsp	CER. CAP.	47pF 50V J	HCBS1H470JT
C211		nsp	nsp	CER. CAP.	47pF 50V J	HCBS1H470JT
C212		nsp	nsp	CER. CAP.	47pF 50V J	HCBS1H470JT
C252		nsp	OA10800620	ELECT. CAP.	1000µF 6.3V	HCEA0JH102T
C253		nsp	OA47601050	ELECT. CAP.	47µF 10V	HCEA1AH470T
C254		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C255		nsp	nsp	CER. CAP.	220pF 50V KB	CCKT1H221KB
C256		nsp	nsp	CER. CAP.	220pF 50V KB	CCKT1H221KB
C257		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C258		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C259		nsp	OA47701020	ELECT. CAP.	470µF 10V	HCEA1AH471T
C260		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C261		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C262		nsp	nsp	CER. CAP.	22pF 50V JC	CCCT1H270JC
C263		nsp	nsp	CER. CAP.	22pF 50V JC	CCCT1H270JC
C268		nsp	nsp	CER. CAP.	220pF 50V KB	CCKT1H221KB
C269		nsp	nsp	CER. CAP.	220pF 50V KB	CCKT1H221KB
C270		nsp	nsp	CER. CAP.	150pF 50V KB	CCKT1H151KB
C271		nsp	OA10601620	ELECT. CAP.	10µF 16V	HCEA1CH100T
C272		nsp	OA10601620	ELECT. CAP.	10µF 16V	HCEA1CH100T
C276		nsp	nsp	CER. CAP.	150pF 50V KB	CCKT1H151KB
C277		nsp	nsp	CER. CAP.	470pF 50V KB	CCKT1H471KB

NOTE : *nsp* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	DESCRIPTION		
C278		nsp	nsp	CER. CAP.	470pF 50V KB	CCKT1H471KB
C279		nsp	nsp	CER. CAP.	150pF 50V KB	CCKT1H151KB
C281		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C282		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C283		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C284		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C287		nsp	nsp	CER. CAP.	150pF 50V KB	CCKT1H151KB
C294		nsp	nsp	CER. CAP.	150pF 50V KB	CCKT1H151KB
C295		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C296		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C297		nsp	nsp	CER. CAP.	150pF 50V KB	CCKT1H151KB
D102		nsp	*HD201780R	DIODE	SCHOTTKY 1N5819T	KVD1N5819T
D103		nsp	*HD201780R	DIODE	SCHOTTKY 1N5819T	KVD1N5819T
D104		nsp	*HD201780R	DIODE	SCHOTTKY 1N5819T	KVD1N5819T
D107		nsp	*HD201750R	DIODE	1N4003	KVD1N4003SRT
D108		nsp	*HD201750R	DIODE	1N4003	KVD1N4003SRT
D109		nsp	*HD201750R	DIODE	1N4003	KVD1N4003SRT
D110		*HD301750R	*HD301750R	ZENER DIODE	5.6V ZENER	HVDMTZJ5.6BT
D111		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D112		nsp	*HD201750R	DIODE	1N4003	KVD1N4003SRT
D116		nsp	*HD201750R	DIODE	1N4003	KVD1N4003SRT
ET02		nsp	nsp	TERMINAL	EARTH LUG	CNE75
IC11		HC10200090	HC10200090	IC	NJM4556AL	HVINJM4556AL
IC12		*HC108720R	*HC108720R	IC	TC9215AF	HVITC9215AF
IC13		*HC108700R	*HC108700R	IC	VOL+FUNC.I.C	HVINJW1153FG1
IC14		*HC108670R	*HC108670R	IC	CS42518-CQ CODEC	HVICS42518-CQ
IC15		HC39108090	HC39108090	IC REG.	KA79LXXAZTA	HVIKA79L08AZT
IC16		HC38108090	HC38108090	IC REG.	KA78LXXAZTA	HVIKA78L08AZT
IC18		HC10102090	HC10102090	IC	NJM2068MD-TE1	HVINJM2068MDTE1
IC19		*HC700540R	*HC700540R	IC	TC74VHC08F	HVITC74VHC08F
IC20		*HS33AWX0R	*HS33AWX0R	MICROPROCESSOR	S3F84BB FLASH	HVIS3F84BB
IC21		HC10102090	HC10102090	IC	NJM2068MD-TE1	HVINJM2068MDTE1
IC22		HC10102090	HC10102090	IC	NJM2068MD-TE1	HVINJM2068MDTE1
IC23		HC10102090	HC10102090	IC	NJM2068MD-TE1	HVINJM2068MDTE1
IC24		HC10102090	HC10102090	IC	NJM2068MD-TE1	HVINJM2068MDTE1
IC25		HC700400Z0	HC700400Z0	IC	TC74HCU04AFN	HVITC74HCU04AFN
IC26		HC38105090	HC38105090	IC REG.	KA78LXXAZTA	HVIKA78L05AZT
IC27		HC39105090	HC39105090	IC REG.	KA79LXXAZTA	HVIKA79L05AZT
IC28		*HC108730R	*HC108730R	IC	RESET	HVIRE5VT28CATZ
J101						
J790		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
L101		nsp	nsp	COIL		HLQ02C100KT
Q101		*BA001460R	*BA001460R	TRS.	KRC107M	HVTKRC107MT
Q102		*HT800080R	*HT800080R	TRS.	KTC2874B	HVTKTC2874BT
Q103		*HT800080R	*HT800080R	TRS.	KTC2874B	HVTKTC2874BT
Q104		*HT800080R	*HT800080R	TRS.	KTC2874B	HVTKTC2874BT
Q105		BA10001000	BA10001000	TRS.	KRA102M	HVTKRA102MT
Q106		BA20001000	BA20001000	TRS.	KRC102M	HVTKRC102MT
Q107		*HT800080R	*HT800080R	TRS.	KTC2874B	HVTKTC2874BT
Q108		BA10001000	BA10001000	TRS.	KRA102M	HVTKRA102MT
Q113		*HT800040R	*HT800040R	TRS.	KSC2316Y	HVTKSC2316YT
Q114		*BA001460R	*BA001460R	TRS.	KRC107M	HVTKRC107MT
Q121		BA10001000	BA10001000	TRS.	KRA102M	HVTKRA102MT
Q122		BA20001000	BA20001000	TRS.	KRC102M	HVTKRC102MT
Q123		HT327851H0	HT327851H0	TRS.	KSC2785Y(DEAD)	HVTKSC2785YT
Q124		HT327851H0	HT327851H0	TRS.	KSC2785Y(DEAD)	HVTKSC2785YT

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POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	DESCRIPTION		
Q125		HT327851H0	HT327851H0	TRS.	KSC2785Y(DEAD)	HVTKSC2785YT
Q126		*BA001500R	*BA001500R	TRS.	KRC111M	HVTKRC111MT
Q127		*BA001500R	*BA001500R	TRS.	KRC111M	HVTKRC111MT
Q135		*BA001460R	*BA001460R	TRS.	KRC107M	HVTKRC107MT
Q136		BA20001000	BA20001000	TRS.	KRC102M	HVTKRC102MT
Q137		*BA001500R	*BA001500R	TRS.	KRC111M	HVTKRC111MT
Q138		BA10001000	BA10001000	TRS.	KRA102M	HVTKRA102MT
R101		nsp	nsp	RES.	1.5kΩ 1/6W J	CRD20TJ152T
R103		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R104		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R105		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R106		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R107		nsp	nsp	RES.	33kΩ 1/6W J	CRD20TJ333T
R108		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R109		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R110		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R111		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R112		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R113		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R114		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R116		nsp	nsp	RES.	33Ω 1/6W J	CRD20TJ330T
R117		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R118		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R119		nsp	nsp	RES.	68Ω 1/6W J	CRD20TJ680T
R120		nsp	nsp	RES.	39kΩ 1/6W J	CRD20TJ393T
R121		nsp	nsp	RES.	1.8kΩ 1/6W J	CRD20TJ182T
R122		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R123		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R124		nsp	nsp	RES.	1.8kΩ 1/6W J	CRD20TJ182T
R125		nsp	nsp	RES.	39kΩ 1/6W J	CRD20TJ393T
R126		nsp	nsp	RES.	33Ω 1/6W J	CRD20TJ330T
R127		nsp	nsp	RES.	68Ω 1/6W J	CRD20TJ680T
R128		nsp	nsp	RES.	4.7kΩ 1/6W J	CRD20TJ472T
R129		nsp	nsp	RES.	4.7kΩ 1/6W J	CRD20TJ472T
R130		nsp	nsp	RES.	4.7kΩ 1/6W J	CRD20TJ472T
R131		nsp	nsp	RES.	270kΩ 1/6W J	CRD20TJ274T
R132		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R133		nsp	nsp	RES.	4.7kΩ 1/6W J	CRD20TJ472T
R134		nsp	nsp	RES.	39Ω 1/6W J	CRD20TJ390T
R135		nsp	nsp	RES.	39Ω 1/6W J	CRD20TJ390T
R136		nsp	nsp	RES.	100Ω 1/4W J	CRD25TJ101T
R137		nsp	nsp	RES.	100Ω 1/4W J	CRD25TJ101T
R138		nsp	nsp	RES.	100Ω 1/4W J	CRD25TJ101T
R139		nsp	nsp	RES.	100Ω 1/4W J	CRD25TJ101T
R140		nsp	nsp	RES.	100Ω 1/4W J	CRD25TJ101T
R141		nsp	nsp	RES.	100Ω 1/4W J	CRD25TJ101T
R142		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R143		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R144		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R148		nsp	nsp	RES.	6.8kΩ 1/6W J	CRD20TJ682T
R150		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R151		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R152		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R153		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R154		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R155		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R156		nsp	nsp	RES.	4.7Ω 1/6W J	CRD20TJ4R7T

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POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	DESCRIPTION		
R157		nsp	nsp	RES.	4.7Ω 1/6W J	CRD20TJ4R7T
R158		nsp	nsp	RES.	47Ω 1/6W J	CRD20TJ470T
R159		nsp	nsp	RES.	47Ω 1/6W J	CRD20TJ470T
R160		nsp	nsp	RES.	47Ω 1/6W J	CRD20TJ470T
R161		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R162		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R163		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R164		nsp	nsp	RES.	1Ω 1/6W J	CRD20TJ1R0T
R165		nsp	nsp	RES.	10Ω 1/4W J	CRD25TJ100T
R166		nsp	nsp	RES.	10Ω 1/4W J	CRD25TJ100T
R167		nsp	nsp	RES.	10Ω 1/4W J	CRD25TJ100T
R168		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R169		nsp	nsp	RES.	47Ω 1/6W J	CRD20TJ470T
R170		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R171		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R173		nsp	nsp	RES.	1kΩ 1/4W J	CRD25TJ102T
R175		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R177		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R178		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R179		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R180		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R181		nsp	nsp	RES.	1MΩ 1/6W J	CRD20TJ105T
R182		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R183		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R184		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R185		nsp	nsp	RES.	22kΩ 1/6W J	CRD20TJ223T
R186		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R187		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R188		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R189		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R190		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R191		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R192		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R193		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R194		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R195		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R196		nsp	nsp	RES.	12Ω 1/6W J	CRD20TJ120T
R197		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R198		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R199		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R200		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R201		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R212		nsp	nsp	RES.	18kΩ 1/6W J	CRD20TJ183T
R213		nsp	nsp	RES.	18kΩ 1/6W J	CRD20TJ183T
R214		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R215		nsp	nsp	RES.	1.5kΩ 1/6W J	CRD20TJ152T
R216		nsp	nsp	RES.	1.5kΩ 1/6W J	CRD20TJ152T
R217		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R218		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R219		nsp	nsp	RES.	6.2kΩ 1/6W J	CRD20TJ622T
R220		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R221		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R222		nsp	nsp	RES.	6.2kΩ 1/6W J	CRD20TJ622T
R223		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R226		nsp	nsp	RES.	27kΩ 1/6W J	CRD20TJ273T
R227		nsp	nsp	RES.	27kΩ 1/6W J	CRD20TJ273T
R228		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T

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POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	DESCRIPTION		
R229		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R230		nsp	nsp	RES.	180kΩ 1/6W J	CRD20TJ184T
R231		nsp	nsp	RES.	180kΩ 1/6W J	CRD20TJ184T
R234		nsp	nsp	RES.	27kΩ 1/6W J	CRD20TJ273T
R235		nsp	nsp	RES.	27kΩ 1/6W J	CRD20TJ273T
R236		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R237		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R238		nsp	nsp	RES.	180kΩ 1/6W J	CRD20TJ184T
R239		nsp	nsp	RES.	180kΩ 1/6W J	CRD20TJ184T
R240		nsp	nsp	RES.	180kΩ 1/6W J	CRD20TJ184T
R241		nsp	nsp	RES.	22Ω 1/6W J	CRD20TJ220T
R242		nsp	nsp	RES.	1.8kΩ 1/6W J	CRD20TJ182T
R243		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R250		nsp	nsp	RES.	2.2kΩ 1/4W J	CRD25TJ222T
R251		nsp	nsp	RES.	2.2kΩ 1/4W J	CRD25TJ222T
R252		nsp	nsp	RES.	100kΩ 1/6W J	CRD20TJ104T
R253		nsp	nsp	RES.	560Ω 1/6W J	CRD20TJ561T
R254		nsp	nsp	RES.	22Ω 1/4W J	CRD25TJ220T
R255		nsp	nsp	RES.	22Ω 1/4W J	CRD25TJ220T
R256		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R257		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R258		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R259		nsp	nsp	RES.	1MΩ 1/6W J	CRD20TJ105T
R261		nsp	nsp	RES.	180kΩ 1/6W J	CRD20TJ184T
R262		nsp	nsp	RES.	180kΩ 1/6W J	CRD20TJ184T
R263		nsp	nsp	RES.	4.7kΩ 1/6W J	CRD20TJ472T
R264		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R265		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R266		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R267		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
WN11		nsp	nsp	JACK	MOLEX35336-0810	KJP08GA98ZM
WN12		nsp	nsp	JACK	MOLEX35336-0810	KJP08GA98ZM
WN13		nsp	nsp	JACK	MOLEX35336-0610	KJP06GA98ZM
WN14		nsp	nsp	JACK	MOLEX35336-0910	KJP09GA98ZM
WN15		nsp	nsp	JACK	MOLEX35336-0910	KJP09GA98ZM
WN16		nsp	nsp	JACK	MOLEX35336-0910	KJP09GA98ZM
WN17		nsp	nsp	JACK	MOLEX35336-0810	KJP08GA98ZM
WN18		nsp	nsp	JACK	MOLEX35336-0910	KJP09GA98ZM
WN22		nsp	nsp	JACK	MOLEX35336-0810	KJP08GA98ZM
WN23		nsp	nsp	JACK	MOLEX35237-1310	KJP13GB99ZM
WN32		nsp	nsp	JACK	MOLEX35336-0910	KJP09GA98ZM
WN33		nsp	nsp	JACK	MOLEX35336-0910	KJP09GA98ZM
WN34		nsp	nsp	JACK	MOLEX35336-0910	KJP09GA98ZM
WN41		nsp	nsp	JACK	MOLEX35336-0910	KJP09GA98ZM
X101		*JX001110R	*JX001110R	CRYSTAL	CL-22P	HOX10000E220TF
X102		*JX001120R	*JX001120R	CRYSTAL	12.288MHZ 22PF	HOX12288E220TF
					DSP PCB (CUP11623)	
CN14		nsp	nsp	JACK	MOLEX35237-0910	KJP09GB99ZM
CN15		nsp	nsp	JACK	MOLEX35237-0910	KJP09GB99ZM
CN16		nsp	nsp	JACK	MOLEX35237-0910	KJP09GB99ZM
CN17		nsp	nsp	JACK	MOLEX35237-0810	KJP08GB99ZM
CN22		nsp	nsp	JACK	MOLEX35237-0810	KJP08GB99ZM
C502		nsp	DD95101300	CHIP CER.	100pF 50V J	HCUS1H101JA
C504		nsp	DD95101300	CHIP CER.	100pF 50V J	HCUS1H101JA
C505		nsp	OA47601640	ELECT. CAP.	47μF 16V	HCEA1CH470T

NOTE : *nsp* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	DESCRIPTION		
C506		nsp	DD95330300	CHIP CER.	33pF 50V J	HCUS1H330JA
C513		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C514		nsp	OA47701020	ELECT. CAP.	470µF 10V	HCEA1AH471T
C515		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C516		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C517		nsp	DK96472300	CHIP CER.	4700pF 50V KC	HCUS1H472KC
C518		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C519		nsp	DK96103300	CHIP CER.	0.01µF 50V KC	HCUS1H103KC
C520		nsp	DD95221300	CHIP CER.	220pF 50V J	HCUS1H221JA
C521		nsp	DK96103300	CHIP CER.	0.01µF 50V KC	HCUS1H103KC
C522		nsp	OA22505020	ELECT. CAP.	2.2µF 50V	HCEA1HH2R2T
C523		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C524		nsp	DD95101300	CHIP CER.	100pF 50V J	HCUS1H101JA
C525		nsp	DD95101300	CHIP CER.	100pF 50V J	HCUS1H101JA
C526		nsp	OA47601640	ELECT. CAP.	47µF 16V	HCEA1CH470T
C527		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C528		nsp	DD95101300	CHIP CER.	100pF 50V J	HCUS1H101JA
C529		nsp	DD95101300	CHIP CER.	100pF 50V J	HCUS1H101JA
C530		nsp	DD95101300	CHIP CER.	100pF 50V J	HCUS1H101JA
C531		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C532		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C533		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C534		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C535		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C536		nsp	OA47601640	ELECT. CAP.	47µF 16V	HCEA1CH470T
C537		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C538		nsp	OA47601640	ELECT. CAP.	47µF 16V	HCEA1CH470T
C539		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C540		nsp	DK98223300	CHIP CER.	0.022µF 50 KC	HCUS1H223KC
D502		nsp	*HD201750R	DIODE	1N4003	KVD1N4003SRT
D504		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D505		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D506		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
IC51		*HC108680R	*HC108680R	IC	CS493264-CL DSP	HVICS493264-CL
IC52		*HC700530R	*HC700530R	IC	SN74LVC574ADBR F/F	HVI74LVC574ADBR
IC53		*HC700530R	*HC700530R	IC	SN74LVC574ADBR F/F	HVI74LVC574ADBR
IC54		*HS27AWX0R	*HS27AWX0R	IC	MX29LV400TTC-70	HVIMX29LV400TTC
IC58		*HC900030R	*HC900030R	IC REG.	RC1117ST	HVIRC1117ST
JK51		*YT003480R	*YT003480R	TERMINAL	CINCH 2PIN COAX GOLD	CJJ4N023Z
JK52		*YJ002680R	*YJ002680R	OPT. CONNECTOR	TORX179L	HJSTORX179L
L501		*LU000150R	*LU000150R	COIL	22UH K LEMC3225TYPE	HLZ9M011Z
L502		nsp	NN05000610	CHIP RES.	0Ω 1/16W	HRJ10DJ0R0T
L503		*LU000150R	*LU000150R	COIL	22UH K LEMC3225TYPE	HLZ9M011Z
L504		*LC107350R	*LC107350R	COIL	10UH	CLZ9Z021Z
Q502		*HX600010R	*HX600010R	CHIP CERAMIC	KRA102S	HVTKRA102S
Q503		*HX600010R	*HX600010R	CHIP TRS.	KRA102S	HVTKRA102S
Q504		*HX800010R	*HX800010R	CHIP TRS.	KRC102S	HVTKRC102S
Q505		*HX600010R	*HX600010R	CHIP TRS.	KRA102S	HVTKRA102S
Q506		*HX600010R	*HX600010R	CHIP TRS.	KRA102S	HVTKRA102S
Q507		*HX600010R	*HX600010R	CHIP TRS.	KRA102S	HVTKRA102S
RN51		*BW000360R	*BW000360R	RES. COMPO.	33Ω/1608*4	HRJ104DJ330T
RN52		*BW000360R	*BW000360R	RES. COMPO.	33Ω/1608*4	HRJ104DJ330T
R501		nsp	NN05332610	CHIP RES.	3.3kΩ 1/16W	HRJ10DJ332T
R502		nsp	NN05183610	CHIP RES.	18kΩ 1/16W	HRJ10DJ183T
R503		nsp	NN05750610	CHIP RES.	75Ω 1/16W	HRJ10DJ750T
R504		nsp	NN05750610	CHIP RES.	75Ω 1/16W	HRJ10DJ750T
R505		nsp	NN05000610	CHIP RES.	0Ω 1/16W	HRJ10DJ0R0T



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POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	DESCRIPTION		
R506		nsp	NN05100610	CHIP RES.	10Ω 1/16W	HRJ10DJ100T
R511		nsp	NN05151610	CHIP RES.	150Ω 1/16W	HRJ10DJ151T
R512		nsp	NN05332610	CHIP RES.	3.3kΩ 1/16W	HRJ10DJ332T
R513		nsp	NN05224610	CHIP RES.	220kΩ 1/16W	HRJ10DJ224T
R514		nsp	NN05333610	CHIP RES.	33kΩ 1/16W	HRJ10DJ333T
R515		nsp	NN05330610	CHIP RES.	33Ω 1/16W	HRJ10DJ331T
R516		nsp	NN05100610	CHIP RES.	10Ω 1/16W	HRJ10DJ100T
R517		nsp	NN05330610	CHIP RES.	33Ω 1/16W	HRJ10DJ330T
R518		nsp	NN05472610	CHIP RES.	4.7kΩ 1/16W	HRJ10DJ472T
R519		nsp	NN05472610	CHIP RES.	4.7kΩ 1/16W	HRJ10DJ472T
R520		nsp	NN05330610	CHIP RES.	33Ω 1/16W	HRJ10DJ330T
R521		nsp	NN05330610	CHIP RES.	33Ω 1/16W	HRJ10DJ330T
R522		nsp	NN05330610	CHIP RES.	33Ω 1/16W	HRJ10DJ330T
R523		nsp	NN05330610	CHIP RES.	33Ω 1/16W	HRJ10DJ330T
R524		nsp	NN05330610	CHIP RES.	33Ω 1/16W	HRJ10DJ330T
R525		nsp	NN05330610	CHIP RES.	33Ω 1/16W	HRJ10DJ330T
R526		nsp	NN05330610	CHIP RES.	33Ω 1/16W	HRJ10DJ330T
R527		nsp	NN05471610	CHIP RES.	470Ω 1/16W	HRJ10DJ471T
R528		nsp	NN05471610	CHIP RES.	470Ω 1/16W	HRJ10DJ471T
R529		nsp	NN05332610	CHIP RES.	3.3kΩ 1/16W	HRJ10DJ332T
R530		nsp	NN05332610	CHIP RES.	3.3kΩ 1/16W	HRJ10DJ332T
R531		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R532		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R533		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R534		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R535		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R536		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R537		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R538		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R539		nsp	NN05472610	CHIP RES.	4.7kΩ 1/16W	HRJ10DJ472T
R540		nsp	NN05101610	CHIP RES.	100Ω 1/16W	HRJ10DJ101T
R543		nsp	NN05102610	CHIP RES.	1kΩ 1/16W	HRJ10DJ102T
R544		nsp	NN05102610	CHIP RES.	1kΩ 1/16W	HRJ10DJ102T
R545		nsp	NN05100610	CHIP RES.	10Ω 1/16W	HRJ10DJ100T
R546		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R547		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R548		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R549		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R550		nsp	*NN000560R	CHIP RES.	240Ω 1/16W	HRJ10DJ241T
				INPUT PCB, SYSTEMPCB, AUDIO PCB, VIDEO PCB , AUX PCB, OUTLET PCB (CUP11624)		
BN69	/N	nsp	nsp	CONNECTIVE CORD		CWB4D632120PU
CN11		nsp	nsp	JACK	MOLEX35237-0810	KJP08GB99ZM
CN12		nsp	nsp	JACK	MOLEX35237-0810	KJP08GB99ZM
CN13		nsp	nsp	JACK	MOLEX35237-0610	KJP06GB99ZM
CN18		nsp	nsp	JACK	MOLEX35237-0910	KJP09GB99ZM
CN32		nsp	nsp	JACK	MOLEX35237-0910	KJP09GB99ZM
CN33		nsp	nsp	JACK	MOLEX35237-0910	KJP09GB99ZM
CN34		nsp	nsp	JACK	MOLEX35237-0910	KJP09GB99ZM
CN68	/N	nsp	nsp	JACK	7.92MM(YUNHO)	KJP02KA060ZY
C601		nsp	nsp	CER. CAP.	470pF 50V	HCBS1H471KBT
C602		nsp	nsp	CER. CAP.	470pF 50V	HCBS1H471KBT
C603		nsp	nsp	CER. CAP.	470pF 50V	HCBS1H471KBT
C604		nsp	nsp	CER. CAP.	470pF 50V	HCBS1H471KBT
C605		nsp	nsp	CER. CAP.	470pF 50V	HCBS1H471KBT

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POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	DESCRIPTION		
C606		nsp	nsp	CER. CAP.	470pF 50V	HCBS1H471KBT
C607		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C608		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C609		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C610		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C611		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C612		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C613		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C614		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C615		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C616		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C617		nsp	nsp	CER. CAP.	560pF 50V KB	CCKT1H561KB
C618		nsp	nsp	CER. CAP.	560pF 50V KB	CCKT1H561KB
C619		nsp	nsp	CER. CAP.	390pF 50V KB	CCKT1H391KB
C620		nsp	nsp	CER. CAP.	1200pF 50V KB	CCKT1H122KB
C621		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C622		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C623		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C624		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C625		nsp	nsp	CER. CAP.	180pF 50V K	HCBS1H181KBT
C626		nsp	nsp	CER. CAP.	180pF 50V K	HCBS1H181KBT
C627		nsp	nsp	CER. CAP.	47pF 50V J	HCBS1H470JT
C630		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C631		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C632		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C633		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C636		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C637		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C638		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C639		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C640		nsp	nsp	CER. CAP.	560pF 50V KB	CCKT1H561KB
C641		nsp	nsp	CER. CAP.	560pF 50V KB	CCKT1H561KB
C642		nsp	nsp	CER. CAP.	1200pF 50V KB	CCKT1H122KB
C643		nsp	nsp	CER. CAP.	1200pF 50V KB	CCKT1H122KB
C644		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C645		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C646		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C647		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C648		nsp	nsp	CER. CAP.	4700pF 50V	CCKT1H472ZF
C649		nsp	nsp	CER. CAP.	50V 0.1UF	CCKT1H104ZF
C650		nsp	nsp	CER. CAP.	50V 0.1UF	CCKT1H104ZF
C651		nsp	OA47601640	ELECT. CAP.	47µF 16V	HCEA1CH470T
C652		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C654		nsp	nsp	CER. CAP.	0.01µF 50V Z	HCBS1H103ZFT
C655		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C656		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C657		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C658		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C659		nsp	nsp	CER. CAP.	560pF 50V KB	HCBS1H561KBT
C660		nsp	nsp	CER. CAP.	390pF 50V KB	CCKT1H391KB
C661		nsp	nsp	CER. CAP.	1200pF 50V KB	CCKT1H122KB
C662		nsp	nsp	CER. CAP.	1200pF 50V KB	CCKT1H122KB
C663		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C664		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C665		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C666		nsp	nsp	FILM CAP	3300pF 50V J	HCQI1H332JZT
C668		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT

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POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	DESCRIPTION		
C669		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C670		nsp	nsp	CER. CAP.	0.022µF 50V Z	HCBS1H223ZFT
C671		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C672		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C673		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C674		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C675		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C676		nsp	nsp	CER. CAP.	22pF 50V JC	CCCT1H220JC
C677		nsp	nsp	CER. CAP.	22pF 50V JC	CCCT1H220JC
C678		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C679		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C680		nsp	nsp	CER. CAP.	22pF 50V JC	CCCT1H220JC
C681		nsp	nsp	CER. CAP.	22pF 50V JC	CCCT1H220JC
C682		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C683		nsp	nsp	CER. CAP.	0.1µF 50V Z	HCBS1H104ZFT
C684		nsp	OA47701020	ELECT. CAP.	470µF 6.3V	HCEA0JH471T
C685		nsp	nsp	FILM CAP	0.1µF 50V J	HCQ11H104JZT
C686		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C687		nsp	nsp	CER. CAP.	68pF 50V	HCBS1H680JT
C688		nsp	nsp	CER. CAP.	68pF 50V	HCBS1H680JT
C689		nsp	nsp	CER. CAP.	68pF 50V	HCBS1H680JT
C690		nsp	OA22505020	ELECT. CAP.	2.2µF 50V	HCEA1HH2R2T
C691		nsp	OA10603540	ELECT. CAP.	10µF 35V	HCEA1VH100T
C697		nsp	nsp	CER. CAP.	560pF 50V KB	CCKT1H561KB
D601		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D602		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D603		nsp	*HD201790R	DIODE	1N4148	HVD1N4148T
D604		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D605		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D606		nsp	*HD201790R	DIODE	1N4148	HVD1N4148T
D607		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D608		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D609		nsp	*HD201790R	DIODE	1N4148	HVD1N4148T
D610		nsp	*HD201790R	DIODE	1N4148	HVD1N4148T
D611		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
D612		nsp	HD20015210	DIODE	1SS133T-77	HVD1SS133MT
 F601	/N	*FS001070R	*FS001070R	FUSE	T2.5A/250V	KBA2D2500TLET
IC61		HC10102090	HC10102090	IC	NJM2068MD-TE1	HVINJM2068MDTE1
IC62		HC10102090	HC10102090	IC	NJM2068MD-TE1	HVINJM2068MDTE1
IC63		HC10102090	HC10102090	IC	NJM2068MD-TE1	HVINJM2068MDTE1
IC64		HC10102090	HC10102090	IC	NJM2068MD-TE1	HVINJM2068MDTE1
IC65		*HC108210R	*HC108210R	IC	NJM2279M-TE1	HVINJM2279MTE1
IC66		*HC108210R	*HC108210R	IC	NJM2279M-TE1	HVINJM2279MTE1
IC67		*HC108210R	*HC108210R	IC	NJM2279M-TE1	HVINJM2279MTE1
JK61		*YT003570R	*YT003570R	TERMINAL	CINCH 6PIN AUDIO GOLD	CJJ4R020Z
JK62		*YT003490R	*YT003490R	TERMINAL	CINCH 4PIN AUDIO VIDEO GOLD	CJJ4P044Z
JK63		*YT003510R	*YT003510R	TERMINAL	CINCH 3PIN REMOTE S/W SILVER	CJJ4S033Z
JK64		*YT003580R	*YT003580R	TERMINAL	S TERMINAL CINCH 1PIN VIDEO GOLD	CJJ9N003Z
JK65		*YT003580R	*YT003580R	TERMINAL	S TERMINAL CINCH 1PIN VIDEO GOLD	CJJ9N003Z
JK66		*YT003580R	*YT003580R	TERMINAL	S TERMINAL CINCH 1PIN VIDEO GOLD	CJJ9N003Z
 JK67	/N	*YT003470R	*YT003470R	OUTLET	S2-770T-210	BJJ7A009Z
J101		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J102		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J105		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J106		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206

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POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	DESCRIPTION		
J107		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J108		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J109		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J110		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J111		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J112		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J601		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J602		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J603		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J604		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J605		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J606		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J607		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J608		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J609		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J610		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J611		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J612		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J613		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J614		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J615		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J616		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J617		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J618		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J619		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J620		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J621		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J622		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J623		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J624		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J625		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J626		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J627		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J628		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J629		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J630		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J631		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J632		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J633		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J634		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J635		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J636		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J637		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J638		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J701		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J702		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J703		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J704		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J705		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J706		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J707		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
J708		nsp	nsp	JUMPER	SN95/PB5, 0.6	C3A206
Q601		*HT600040R	*HT600040R	TRS.	KTA1267YT	HVTKTA1267YT
Q602		BA10001000	BA10001000	TRS.	KRA102M	HVTKRA102MT
Q603		BA10001000	BA10001000	TRS.	KRA102M	HVTKRA102MT
Q604		*HT800080R	*HT800080R	TRS.	KTC2874B	HVTKTC2874BT
Q605		*HT800080R	*HT800080R	TRS.	KTC2874B	HVTKTC2874BT

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	DESCRIPTION		
R601		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R602		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R603		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R604		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R605		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R606		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R607		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R608		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R609		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R610		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R611		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R612		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R613		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R614		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R615		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R616		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R617		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R618		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R619		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R620		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R621		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R622		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R623		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R624		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R625		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R626		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R627		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R628		nsp	nsp	RES.	22kΩ 1/6W J	CRD20TJ223T
R629		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
R630		nsp	nsp	RES.	22kΩ 1/6W J	CRD20TJ223T
R631		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R632		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R633		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R638		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R639		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R640		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R641		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R642		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R643		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R644		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R645		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R646		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R647		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R648		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R649		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R650		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R651		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R652		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R653		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R656		nsp	nsp	RES.	47Ω 1/6W J	CRD20TJ470T
R657		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R658		nsp	nsp	RES.	4.7kΩ 1/6W J	CRD20TJ472T
R659		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R660		nsp	nsp	RES.	470Ω 1/6W J	CRD20TJ471T
R663		nsp	nsp	RES.	120Ω 1/6W J	CRD20TJ121T
R666		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R668		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T

NOTE : *nsp* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	DESCRIPTION		
R669		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R670		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R671		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R672		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R673		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R674		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R675		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R676		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R677		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R678		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R679		nsp	nsp	RES.	5.6kΩ 1/6W J	CRD20TJ562T
R680		nsp	nsp	RES.	1.2kΩ 1/6W J	CRD20TJ122T
R681		nsp	nsp	RES.	100Ω 1/6W J	CRD20TJ101T
R682		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R683		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R684		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R685		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R686		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R687		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R688		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R689		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R690		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R691		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R692		nsp	nsp	RES.	75Ω 1/6W J	CRD20TJ750T
R693		nsp	nsp	RES.	220 KΩ 1/6W J	CRD20TJ224T
R694		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R695		nsp	nsp	RES.	10Ω 1/6W J	CRD20TJ100T
R696		nsp	nsp	RES.	220Ω 1/6W J	CRD20TJ221T
R697		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R698		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R699		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R700		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R701		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R702		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R703		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R704		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R705		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R706		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R707		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R708		nsp	nsp	RES.	3.3kΩ 1/6W J	CRD20TJ332T
R709		nsp	nsp	RES.	4.7kΩ 1/6W J	CRD20TJ472T
R710		nsp	nsp	RES.	47Ω 1/6W J	CRD20TJ470T
R711		nsp	nsp	RES.	15kΩ 1/6W J	CRD20TJ153T
R712		nsp	nsp	RES.	2.7kΩ 1/6W J	CRD20TJ272T
R713		nsp	nsp	RES.	10kΩ 1/6W J	CRD20TJ103T
R714		nsp	nsp	RES.	47kΩ 1/6W J	CRD20TJ473T
R715		nsp	nsp	RES.	12kΩ 1/6W J	CRD20TJ123T
R716		nsp	nsp	RES.	1kΩ 1/6W J	CRD20TJ102T
					AMP PCB (CUP11625)	
		nsp	nsp	TERMINAL	EARTH LUG	CMC1A216
BD41		*FN000090R	*FN000090R	EMC FILTER		KLZ9H001Z
BD42		*FN000090R	*FN000090R	EMC FILTER		KLZ9H001Z
BD43		*FN000090R	*FN000090R	EMC FILTER		KLZ9H001Z
BD44		*FN000090R	*FN000090R	EMC FILTER		KLZ9H001Z
BD45		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z


NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	DESCRIPTION		
BD46		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z
CN41		nsp	nsp	JACK	MOLEX35237-0910	KJP09GB99ZM
CN42		nsp	nsp	JACK	YEONHO BMH250	KJP09HB60ZY
C401		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C402		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C407		nsp	OA10701620	ELECT. CAP.	100µF 16V	HCEA1CH101T
C425		*DF100380R	*DF100380R	FILM CAP.	0.47µF 63V J	KCFE1J474JBT
C432		*DF100380R	*DF100380R	FILM CAP.	0.47µF 63V J	KCFE1J474JBT
C439		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C440		nsp	OA47505020	ELECT. CAP.	4.7µF 50V	HCEA1HH4R7T
C403		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C404		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C405		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C406		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C408		nsp	DD95271300	CHIP CER.	270pF 50V J	HCUS1H271JA
C409		nsp	DD95271300	CHIP CER.	270pF 50V J	HCUS1H271JA
C410		nsp	DD95181300	CHIP CER.	180pF 50V J	HCUS1H181JA
C411		nsp	DD95181300	CHIP CER.	180pF 50V J	HCUS1H181JA
C412		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C413		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C414		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C415		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C416		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C417		nsp	nsp	CHIP CER.	0.1µF 3216SIZE	CCUP2A104KB
C418		nsp	nsp	CHIP CER.	0.1µF 3216SIZE	CCUP2A104KB
C419		*EY000380R	*EY000380R	TANTL.CAP CHIP	1µF 35V 3216SIZE	HCSGA1V1R0B
C420		*EY000380R	*EY000380R	TANTL.CAP CHIP	1µF 35V 3216SIZE	HCSGA1V1R0B
C421		nsp	nsp	CHIP CER.	0.1µF 3216SIZE	CCUP2A104KB
C422		nsp	nsp	CHIP CER.	0.1µF 3216SIZE	CCUP2A104KB
C423		nsp	nsp	CHIP CER.	0.1µF 3216SIZE	CCUP2A104KB
C424		nsp	nsp	CHIP CER.	0.1µF 3216SIZE	CCUP2A104KB
C426		nsp	DK96102300	CHIP CER.	1000pF 50V KC	HCUS1H102KC
C427		nsp	DK96102300	CHIP CER.	1000pF 50V KC	HCUS1H102KC
C428		nsp	nsp	CHIP CER.	0.1µF 3216SIZE	CCUP2A104KB
C429		nsp	nsp	CHIP CER.	0.1µF 3216SIZE	CCUP2A104KB
C430		nsp	nsp	CHIP CER.	0.1µF 3216SIZE	CCUP2A104KB
C431		nsp	nsp	CHIP CER.	0.1µF 3216SIZE	CCUP2A104KB
C433		nsp	DK96102300	CHIP CER.	1000pF 50V KC	HCUS1H102KC
C434		nsp	DK96102300	CHIP CER.	1000pF 50V KC	HCUS1H102KC
C435		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C436		nsp	OA10803520	ELECT. CAP.	1000µF 35V	HCEA1VH102E
C437		nsp	DD95331300	CHIP CER.	330pF 50V J	HCUS1H331JA
C438		nsp	DD95331300	CHIP CER.	330pF 50V J	HCUS1H331JA
C441		nsp	nsp	CHIP CER.	0.1µF 3216SIZE	CCUP2A104KB
C447		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
C448		nsp	DK96104300	CHIP CER.	0.1µF ZF	HCUS1E104ZF
IC41		*HC108710R	*HC108710R	IC	HVITC2000	HVITC2000
IC42		*HC108690R	*HC108690R	IC	DDX2100 DIGITAL AMP	HVIDDX2100
L401		*LC107340R	*LC107340R	COIL	SPEAKER COIL	CLZ9Z011Z
L402		*LC107340R	*LC107340R	COIL	SPEAKER COIL	CLZ9Z011Z
L403		*LC107340R	*LC107340R	COIL	SPEAKER COIL	CLZ9Z011Z
L404		*LC107340R	*LC107340R	COIL	SPEAKER COIL	CLZ9Z011Z
R401		nsp	NN05203610	CHIP RES.	20kΩ 1/16W	HRJ10DJ203T
R402		nsp	NN05203610	CHIP RES.	20kΩ 1/16W	HRJ10DJ203T
R403		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R404		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R405		nsp	NN05474610	CHIP RES.	470kΩ 1/16W	HRJ10DJ474T

NOTE : *nsp* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJ)	DESCRIPTION		
R406		nsp	NN05474610	CHIP RES.	470kΩ 1/16W	HRJ10DJ474T
R407		nsp	NN05474610	CHIP RES.	470kΩ 1/16W	HRJ10DJ474T
R408		nsp	NN05474610	CHIP RES.	470kΩ 1/16W	HRJ10DJ474T
R409		nsp	NN05203610	CHIP RES.	20kΩ 1/16W	HRJ10DJ203T
R410		nsp	NN05222610	CHIP RES.	2.2kΩ 1/16W	HRJ10DJ222T
R411		nsp	NN05203610	CHIP RES.	20kΩ 1/16W	HRJ10DJ203T
R412		nsp	NN05222610	CHIP RES.	2.2kΩ 1/16W	HRJ10DJ222T
R413		nsp	NN05113610	CHIP RES.	11kΩ 1/16W	HRJ10DJ113T
R414		nsp	NN05822610	CHIP RES.	8.2kΩ 1/16W	HRJ10DJ822T
R415		nsp	NN05102610	CHIP RES.	1kΩ 1/16W	HRJ10DJ102T
R416		nsp	NN05102610	CHIP RES.	1kΩ 1/16W	HRJ10DJ102T
R417		nsp	NN05102610	CHIP RES.	1kΩ 1/16W	HRJ10DJ102T
R418		nsp	NN05102610	CHIP RES.	1kΩ 1/16W	HRJ10DJ102T
R419		nsp	NN05153610	CHIP RES.	15kΩ 1/16W	HRJ10DJ153T
R420		nsp	NN05153610	CHIP RES.	15kΩ 1/16W	HRJ10DJ153T
R421		nsp	NN05153610	CHIP RES.	15kΩ 1/16W	HRJ10DJ153T
R422		nsp	NN05153610	CHIP RES.	15kΩ 1/16W	HRJ10DJ153T
R423		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R425		nsp	NN05101610	CHIP RES.	100Ω 1/16W	HRJ10DJ101T
R426		nsp	NN05680610	CHIP RES.	68Ω 1/16W	HRJ10DJ680T
R427		nsp	NN05680610	CHIP RES.	68Ω 1/16W	HRJ10DJ680T
R428		nsp	NN05680610	CHIP RES.	68Ω 1/16W	HRJ10DJ680T
R429		nsp	NN05680610	CHIP RES.	68Ω 1/16W	HRJ10DJ680T
R430		nsp	NN05680610	CHIP RES.	68Ω 1/16W	HRJ10DJ680T
R431		nsp	NN05680610	CHIP RES.	68Ω 1/16W	HRJ10DJ680T
R432		nsp	NN05120610	CHIP RES.	12Ω 1/16W	HRJ10DJ120T
R433		nsp	NN05120610	CHIP RES.	12Ω 1/16W	HRJ10DJ120T
R434		nsp	NN05120610	CHIP RES.	12Ω 1/16W	HRJ10DJ120T
R435		nsp	NN05120610	CHIP RES.	12Ω 1/16W	HRJ10DJ120T
R436		nsp	NN05120610	CHIP RES.	12Ω 1/16W	HRJ10DJ120T
R437		nsp	NN05120610	CHIP RES.	12Ω 1/16W	HRJ10DJ120T
R438		nsp	NN05120610	CHIP RES.	12Ω 1/16W	HRJ10DJ120T
R439		nsp	NN05120610	CHIP RES.	12Ω 1/16W	HRJ10DJ120T
R440		nsp	NN05562610	CHIP RES.	5.6kΩ 1/16W	HRJ10DJ562T
R441		nsp	NN05562610	CHIP RES.	5.6kΩ 1/16W	HRJ10DJ562T
R442		nsp	NN05102610	CHIP RES.	1kΩ 1/16W	HRJ10DJ102T
R443		nsp	NN05102610	CHIP RES.	1kΩ 1/16W	HRJ10DJ102T
R444		nsp	NN05103610	CHIP RES.	10kΩ 1/16W	HRJ10DJ103T
R445		nsp	NN05473610	CHIP RES.	47kΩ 1/16W	HRJ10DJ473T
R446		nsp	NN05473610	CHIP RES.	47kΩ 1/16W	HRJ10DJ473T
R447		nsp	NN05100610	CHIP RES.	10Ω 1/16W	HRJ10DJ100T
R448		nsp	NN05100610	CHIP RES.	10Ω 1/16W	HRJ10DJ100T
Q401		*HT800080R	*HT800080R	TRS.	KTC2874B	HVTKTC2874BT
Q402		*HT800080R	*HT800080R	TRS.	KTC2874B	HVTKTC2874BT
VR41		*RA001070R	*RA001070R	TRIMMING RESIST	4.7kΩ	HVN1RE472B01T
VR42		*RA001070R	*RA001070R	TRIMMING RESIST	4.7kΩ	HVN1RE472B01T
					SPEAKER TER. PCB (CUP11626)	
BD81		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z
BD82		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z
BD83		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z
BD84		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z
BD87		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z
BD88		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z
BD89		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z
BD90		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z

NOTE : "nsp" PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.

POS. NO	VERS. COLOR	PART NO. (FOR EUR)	PART NO. (MJI)	DESCRIPTION		
BD91		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z
BD92		*FC900340R	*FC900340R	EMI FILTER	HU-1H4516-600JT	HLZ9Z014Z
BN94		nsp	nsp	CONNECTIVE CORD		CWB3F005200UZ
CN91		nsp	nsp	JACK	YEONHO BMW250	KJP09GA63ZY
CN92		nsp	nsp	JACK	YEONHO BMW250	KJP09GA63ZY
CN93		nsp	nsp	JACK	YEONHO BMW250	KJP09GA63ZY
CN95		nsp	nsp	JACK	MOLEX 5267-02A	KJP02GA01ZM
CN96		nsp	nsp	JACK	MOLEX 5267-02A	KJP02GA01ZM
C902		nsp	DK96103300	CHIP CER.	0.01μF 50V KC	HCUS1H103KC
C903		nsp	DK96103300	CHIP CER.	0.01μF 50V KC	HCUS1H103KC
C905		nsp	DK96103300	CHIP CER.	0.01μF 50V KC	HCUS1H103KC
C906		nsp	DK96103300	CHIP CER.	0.01μF 50V KC	HCUS1H103KC
C911		nsp	DK96103300	CHIP CER.	0.01μF 50V KC	HCUS1H103KC
C912		nsp	DK96103300	CHIP CER.	0.01μF 50V KC	HCUS1H103KC
C914		nsp	DK96103300	CHIP CER.	0.01μF 50V KC	HCUS1H103KC
C915		nsp	DK96103300	CHIP CER.	0.01μF 50V KC	HCUS1H103KC
C917		nsp	DK96103300	CHIP CER.	0.01μF 50V KC	HCUS1H103KC
C918		nsp	DK96103300	CHIP CER.	0.01μF 50V KC	HCUS1H103KC
D901		nsp	*HD201800R	DIODE	1SS355	HVD1SS355T
D902		nsp	*HD201800R	DIODE	1SS355	HVD1SS355T
JK91		*YT003520R	*YT003520R	TERMINAL	4PIN SPEAKER TERMINAL FL FR	CJJ5P020Z
JK92		*YT003530R	*YT003530R	TERMINAL	6PIN SPEAKER TERMINAL CNT SL SR	CJJ5R006Z
R901		*RI000210R	*RI000210R	CHIP RES.	180Ω 1/2W 5025SIZE	CRJ12EJ181T
R902		*RI000210R	*RI000210R	CHIP RES.	180Ω 1/2W 5025SIZE	CRJ12EJ181T
RY91		*LY000360R	*LY000360R	RELAY	OSA-SS-212DM5	HSL4A010ZU
RY92		*LY000360R	*LY000360R	RELAY	OSA-SS-212DM5	HSL4A010ZU
RY93		*LY000360R	*LY000360R	RELAY	OSA-SS-212DM5	HSL4A010ZU
				SMPS PCB (CUP11641)		
 F901		*FS001160R	*FS001160R	FUSE	T5A/250V SR-5SJ	KBA2D5000TLET

NOTE : *nsp* PART IS LISTED FOR REFERENCE ONLY, MARANTZ WILL NOT SUPPLY THESE PARTS.