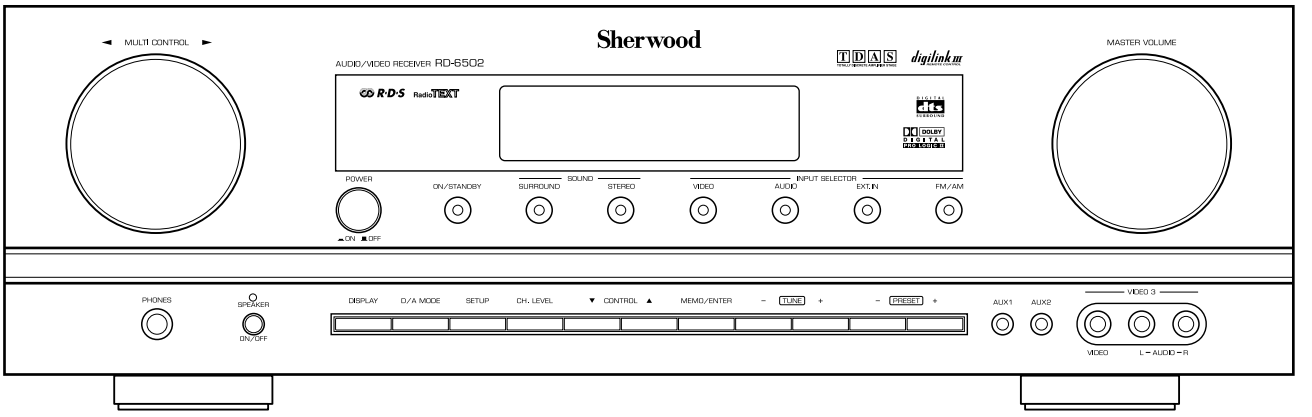
SERVICE MANUAL

RD-6502

AUDIO/VIDEO RECEIVER



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Sherwood®

SAFETY PRECAUTIONS

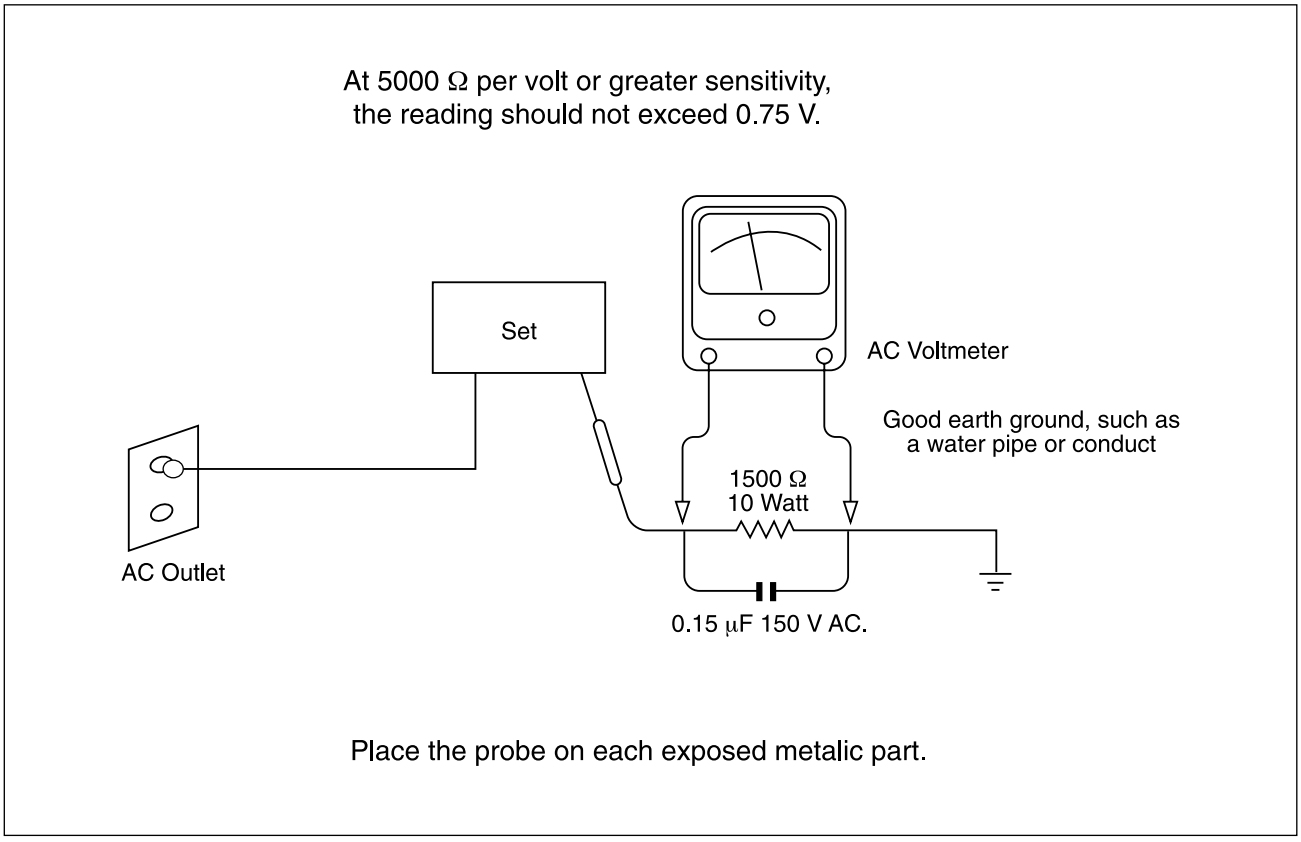
WARNING

Before servicing this unit, familiarize yourself with the following precautions:

1. Many electrical and mechanical parts in this chassis have special safety characteristics that often pass unnoticed and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts that have these special safety characteristics are identified in this manual and its supplements: electrical components having such features are identified by ⚠ in the schematic diagram and the parts list.

   Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts that do not have the same safety characteristics as specified in the parts list may create shock, fire, or other hazards.

2. Before returning the set to the customer, always do an AC leakage current check on the exposed metal parts of the cabinet, such as terminals, screw heads, and metal overlays, to be sure the set is safe to operate danger of electrical shock. Plug the AC line cord directly into a 120 V AC outlet(USA Version) or 230 V AC outlet(EU Version). (Do not use a line isolation transformer during this check.) Be sure your AC voltmeter has a sensitivity of 5000 Ω per volt or greater. Then connect a 1500 Ω 10 watt resistor, paralleled by a 0.15 µF 150 V AC capacitor, between a known good earth ground(such as a water pipe, or conduit) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of a 1500 Ω resistor and a 0.15 µF capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metalic part. Voltage measured must not exceed 0.75 V RMS. This corresponds to 0.2 mA AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



SPECIFICATIONS

Measuring methods are based on IHF and IEC standard 268-3
Measurements conditions,unless otherwise noted :

Output resistive load = (6) ohms / Both channel driven
Tone Direct ON , Other SW's : OFF
Nominal input level : 5mV for MM, 0.5mV for MC, 500mV for general purpose inputs
Power figures should be kept minimum 10min. between 15 and 35℃
Terminator : 100ohm for MC, 1kohm for MM and general purpose inputs
Filter : IHF-A filter R/O = Rated Output

Power supply : 120V/60Hz (A), 230V/50Hz (D/E/RDS), 220V/50Hz (C), 220V/60Hz (K)

☞ FRONT AMP SECTION

*** SUB-WOOFER SPKR : NO * SPKR LEVEL : ALL 0dB**
*** SPK SIZE : LLLN * EXT. IN * TONE OFF**

No.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	INPUT SENSITIVITY	EXT. IN	1kHz	R/O	mV	280±30	280±50
2	TOTAL HARMONIC DISTORTION (STEREO IN)	EXT. IN	40Hz	R/O-3dB	%	≤0.08	≤0.12
			1kHz	〃	%	≤0.08	≤0.12
			20KHz	〃	%	≤0.12	≤0.2
3	CONTINUOUS AVERAGE POWER at 0.2% THD (STEREO IN)	EXT. IN	40Hz	(6)ohms	W	95	90
			1kHz	〃	W	100	95
			20KHz	〃	W	95	90
4	S/N RATIO, INPUT SHORT IHF-A FILTER	EXT. IN	1kHz	R/O	dB	≥90	≥85
5	FREQUENCY RESPONSE(-3dB)	EXT. IN		1W / 1kHz Ref.	Hz~kHz	10~55	10~50

☞ CENTER AMP SECTION

*** SUB-WOOFER SPKR : NO * SPKR LEVEL : ALL 0dB**
*** SPK SIZE : LLLN * EXT. IN * TONE OFF**

No.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	INPUT SENSITIVITY	EXT. IN	1kHz	R/O	mV	280±30	280±50
2	TOTAL HARMONIC DISTORTION	EXT. IN	40Hz	R/O-3dB	%	≤0.08	≤0.12
			1kHz	〃	%	≤0.08	≤0.12
			20KHz	〃	%	≤0.12	≤0.2
3	CONTINUOUS AVERAGE POWER at 0.2% THD	EXT. IN	40Hz	(6)ohms	W	95	90
			1kHz	〃	W	100	95
			20KHz	〃	W	95	90
4	S/N RATIO, INPUT SHORT IHF-A FILTER	EXT. IN	1kHz	R/O	dB	≥90	≥85
5	FREQUENCY RESPONSE(-3dB)	EXT. IN		1W / 1kHz Ref.	Hz~kHz	10~55	10~50

☞ SURROUND AMP SECTION

*** SUB-WOOFER SPKR : NO * SPKR LEVEL : ALL 0dB**
*** SPK SIZE : LLLN * EXT. IN * TONE OFF**

No.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	INPUT SENSITIVITY	EXT. IN	1kHz	R/O	mV	280±30	280±50

NO.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
2	TOTAL HARMONIC DISTORTION (STEREO IN)	EXT. IN	40Hz	R/O-3dB	%	≤0.08	≤0.12
			1kHz	〃	%	≤0.08	≤0.12
			20KHz	〃	%	≤0.12	≤0.2
3	CONTINUOUS AVERAGE POWER at 0.2% THD (STEREO IN)	EXT. IN	40Hz	(6)ohms	W	95	90
			1kHz	〃	W	100	95
			20KHz	〃	W	95	90
4	S/N RATIO, INPUT SHORT IHF-A FILTER	EXT. IN	1kHz	R/O	dB	≥90	≥85
5	FREQUENCY RESPONSE(-3dB)	EXT. IN		1W / 1kHz Ref.	Hz~kHz	10~55	10~50

☞ STEREO SECTION

*** SUB-WOOFER SPKR : NO * STEREO MODE**
*** SOURCE DIRECT ON (TONE DIRECT) * CD FUNCTION**

NO.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT L/R	NOMINAL L/R
1	INPUT SENSITIVITY	CD	1kHz		mV	280±30	280±50
2	CHANNEL BALANCE	CD	1kHz	R/O TO -40dB	dB	±2	±3
3	RESIDUAL NOISE	CD		VOL 1.	mV	≤3.0	≤5.0
4	TOTAL HARMONIC DISTORTION	CD	40Hz	R/O-3dB	%	≤0.08	≤0.12
			1kHz	〃	%	≤0.08	≤0.12
			20KHz	〃	%	≤0.12	≤0.2
5	CONTINUOUS AVERAGE POWER at 0.2% THD	CD	(40)Hz	(6)ohms	W	95	90
			1kHz	〃	W	100	95
			(20)KHz	〃	W	95	90
6	S/N RATIO, IHF-A FILTER	CD	1kHz	R/O	dB	≥90	≥85
7	CHANNEL SEPARATION	CD	100Hz	R/O-3dB	dB	≥55	≥50
			1kHz	〃	dB	≥65	≥55
			10kHz	〃	dB	≥50	≥45
8	FUNCTION CROSSTALK	CD→VIDEO2	1 kHz	〃	dB	≥55	≥50
			10 kHz	〃	dB	≥45	≥40
9	FREQUENCY RESPONSE (-3dB)	CD		1W	Hz~kHz	10~55	10~50
10	TONE CONTROL , ±(10)dB (TONE DIRECT OFF)	MAX	100Hz	1W	dB	+10(±2)	+10(±3)
		MIN	100Hz	〃	dB	-10(±2)	-10(±3)
		MAX	100kHz	〃		+10(±2)	+10(±3)
		MIN	100kHz	〃		-10(±2)	-10(±3)
11	HEADPHONE OUTPUT H/P = 64ohms	CD	1kHz	R/O	V	3.0±0.3	3.0±0.5

☞ SUBWOOFER SECTION

*** SUB-WOOFER SPKR : YES * SPKR LEVEL : ALL 0dB**
*** SPK SIZE : LLLN * EXT. IN * TONE OFF**

No.	DESCRIPTION	INPUT	FREQ.	REMARK	UNIT	LIMIT	NOMINAL
1	PRE OUTPUT LEVEL	SUB-CH(280mV)	30Hz	VOL max	V	1.7±0.5	1.7±1.0

TUNER SECTION

Measuring methods in confirmity with IEC standard 315

Measurements condition FM : Radio frequency = 98.1MHz, Audio frequency = 1kHz

Reference level = 1mV on (75ohms , 300ohms)

Deviation : MONO = ±75kHz, Stereo = ±67.5kHz±7.5kHz (A)

MONO = ±40kHz, Stereo = ±40kHz±7.5kHz (C/D/E/K/RDS)

Test Point : TP 1 = 90.1MHz, TP 2 = 98.1MHz, TP 3 = 106.1MHz Filter = B.P.F at STEREO

Power supply : 120V/60Hz (A), 220V/50Hz (C), 230V/50Hz (D/E/RDS), 220V/60Hz (K)

☞ FM SECTION

NO.	DESCRIPTION		UNIT	LIMIT L/R	NOMINAL L/R
1	TUNING RANGE	LOW ~ HIGH	MHz	87.5~108	
	STEP (A/K)	AUTO/Man.	kHz	100/100	
	STEP (C/D/E/RDS)	AUTO/Man.	kHz	50/50	
2	USABLE SENSITIVITY	TP 1	dBu	≤12	≤15
	S/N = 30dB	TP 2	dBu	≤12	≤15
		TP 3	dBu	≤12	≤15
3	AUTO STOP LEVEL	TP 2	dBu	25±6	25±8
4	S/N RATIO IHF-A FILTER (A)	MONO	dB	≥60	≥50
		STEREO	dB	≥55	≥50
	S/N RATIO IHF-A FILTER (C/D/E/K/RDS)	MONO	dB	≥55	≥50
		STEREO	dB	≥50	≥45
5	TOTAL HARMONIC DISTORTION	MONO	%	≤0.7	≤1.2
		STEREO	%	≤1.0	≤1.5
6	OEVR LOAD DISTORTION(75KHz, 120dbu)	MONO	%	≤2.0	≤3.0
7	STEREO SEPARATION	250Hz	dB	≥30	≥25
	(MAIN 53.5%, PILOT 10%)	1kHz	dB	≥30	≥25
		6.3kHz	dB	≥20	≥15
8	FREQUENCY RESPONSE,75us, -3dB (A)	TP2	Hz	50~10K	60~9K
	50us, -3dB (C/D/E/K/RDS)	TP2	Hz	50~8K	60~7K
9	IF REJECTION (A)	TP 1	dB	≥65	≥60
	IF REJECTION (C/D/E/K/RDS)	TP 1	dB	≥75	≥70
10	IMAGE REJECTION (A)	TP 3	dB	≥20	≥18
	IMAGE REJECTION (C/D/E/K/RDS)		dB	≥75	≥70
11	AM SUPPRESSION(AT AM 30% 1kHz)	TP 2	dB	≥40	≥35
12	OUTPUT LEVEL MONO (A)	TP 2	mV	600±100	600±150
	OUTPUT LEVEL MONO (C/D/E/K/RDS)		mV	200±100	200±150
13	RDS SENSITIVITY (RDS ONLY)	TP 2	dBu	≤30	≤35

☞ AM SECTION

Measuring methods in confirmity with IEC standard 315

Measurements condition AM - MW : Radio frequency = 1000/999kHz, Audio frequency = 400Hz

Reference level = 74dBu/m on 50ohms Modulation = 30%

Test Point : MW TP1 = (600)kHz TP2 = (1000)kHz TP3 = (1400)kHz → (A)

Test Point : MW TP1 = (603)kHz TP2 = (999)kHz TP3 = (1404)kHz → (C/D/E/K/RDS)

No.	DESCRIPTION		UNIT	LIMIT L/R	NOMINAL L/R
1	TUNING COVER RANGE (A)	LOW ~ HIGH MW	kHz	520~1710	
	TUNING COVER RANGE (C/D/E/K/RDS)	LOW ~ HIGH MW	kHz	522~1611	
	STEP (A)	AUTO/Man.	kHz	10	
	STEP (C/D/E/K/RDS)	AUTO/Man.	kHz	9	
2	USABLE SENSITIVITY S/N = 20dB	TP 1	dBu	≤63	≤65
		TP 2	dBu	≤63	≤65
		TP 3	dBu	≤63	≤65
3	S/N RATIO(100dBu/m, 30% Mod)	TP 2	dB	≥38	≥35
4	TOTAL HARMONIC DISTORTION (100dBu/m, 30% Mod)	TP2	%	≤2.0	≤3.0
5	OVER LOAD DISTORTION (100dBu 5mV 80% MOD)	TP2	%	≤3.0	≤5.0
6	FREQUENCY RESPONSE (74dBu/m, 400Hz=0dB, at -6dB)	TP2	Hz	80~2K	100~1.8K
7	SELECTIVITY ±10kHz S/N = 20dB (A)	990Hz	dB	≥20	≥25
		1010Hz			
	SELECTIVITY ±9kHz S/N = 20dB (C/D/E/K/RDS)	990Hz	dB	≥20	≥25
		1008Hz			
8	AGC FIGURE OF MERIT	Input=100mV, -10dB	dB	≥50	≥40
9	IF REJECTION	TP 1	dB	≥40	≥35
10	IMAGE REJECTION	TP 3	dB	≥28	≥25
11	WHISTLE MODULATION INPUT = 1mV/m	2IF	%	≤8	≤10
12	AUTO STOP LEVEL	TP 2	dBu	55(±10dB)	55(±15dB)
13	OUTPUT LEVEL (74dBu/m, 30% Mod) (A) OUTPUT LEVEL (C/D/E/K/RDS)	TP2	mV	200±100	200±50

☞ DOLBY DIGITAL INPUT SECTION

- INPUT : CD COAXIAL
- SURROUND MODE : DOLBY DIGITAL
- VOLUME POSISTION : 55dB
- AT SPEAKER OUT Disc : LD VER 1.0

No.	DESCRIPTION	INPUT	FREQ.	CHAP	UNIT	SPEC	
						NOMI.	LIMIT
1	OUT PUT LEVEL Disc All CH 0dB SPK MODE:LLLY	FRONT	1KHz	38	V	9.5±1	9.5±2
		CENTER	1KHz	38	V	9.5±1	9.5±2
		SURR	1KHz	38	V	9.5±1	9.5±2
		S/W	30Hz	38	V	1.2±0.3	1.2±0.5
2	T.H.D Disc 0dB LPF(20KHz) SPK MODE:LLLY	FRONT	1KHz	38	%	≤0.3	≤0.5
		CENTER	1KHz	38	%	≤0.3	≤0.5
		SURR	1KHz	38	%	≤0.3	≤0.5
		S/W	30Hz	18	%	≤0.3	≤0.5
3	S/N LPF(20KHz) JIS-A FILTER,Disc -20dB SPK MODE:LLLY,BACK-NO	FRONT	1KHz	6	dB	≥65	≥60
		CENTER	1KHz	6	dB	≥65	≥60
		SURR	1KHz	6	dB	≥65	≥60
		S/W	30Hz	18	dB	≥65	≥60
4	DYNAMIC RANGE	FRONT	1KHz	38	dB	-11±1	-11±2
		CENTER	1KHz	38	dB	-11±1	-11±2
		SURR	1KHz	38	dB	-11±1	-11±2
		S/W	30Hz	18	dB	0±1	0±2
5	DIALOG NORMALIZATION	FRONT		43	dB	-10±0.5	-10±1
		CENTER		43	dB	-10±0.5	-10±1
		SURR		43	dB	-10±0.5	-10±1
		S/W		43	dB	-10±0.5	-10±1
6	OUT PUT CONFIG 1 SPK MODE : S,S,S,Y Ref : 1KHz 0dB	FRONT	1KHz	38(ref) 20	dB	-17±1	-17±3
		CENTER	1KHz	38(ref) 20	dB	-17±1	-17±3
		SURR	1KHz	38(ref) 20	dB	-17±1	-17±3

No.	DESCRIPTION	INPUT	FREQ.	CHAP	UNIT	SPEC	
						NOMI.	LIMIT
	Ref : 30Hz 0dB	S/W	30Hz	18(ref) 22	dB	5.5±1	5.5±2
7	OUT PUT CONFIG 2 SPK MODE : L,S,S,N	FRONT	1KHz	38(ref) 18	dB	5.5±1	5.5±2
8	DOWNMIXING TEST SPK MODE : L,S,S,Y	CENTER	1KHz	10(ref) C → NO	dB	-3±0.5	-3±1
		SURR.L	1KHz	14 LS → NO	dB	-3±0.5	-3±1
		SURR.R	1KHz	16 RS → NO	dB	-3±0.5	-3±1
		FRONT	1KHz	6(ref) ST:ON	dB	7.5±1	7.5±2

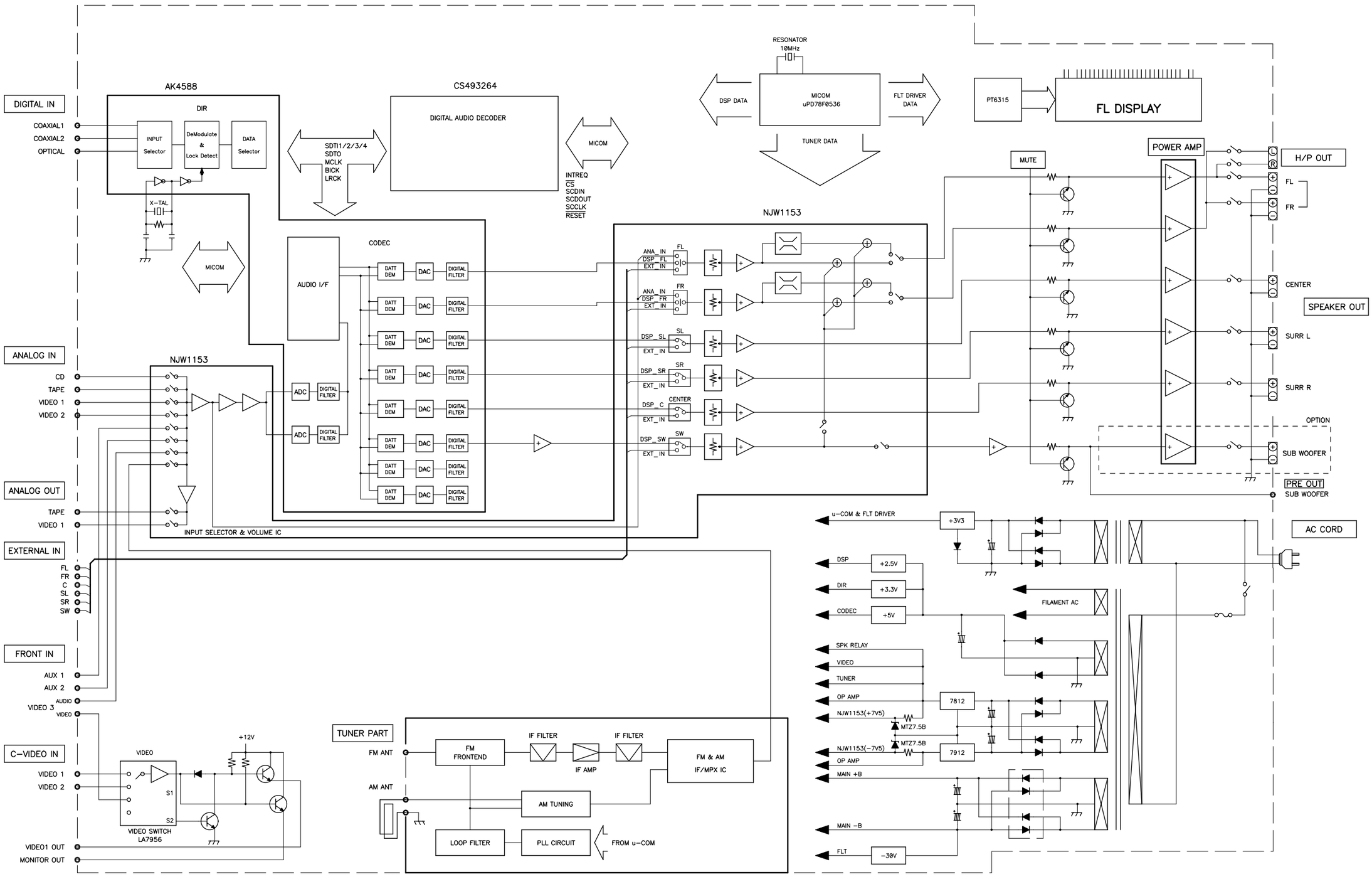
☞ DTS INPUT SECTION

- INPUT : CD COAXIAL
- SURROUND MODE : DTS SURROUND
- VOLUME POSISTION : 55dB
- AT PRE OUT SPK MODE L,L,L,Y DTS TEST Disc(TRACK 9,10,11,12,13,14,15)

No.	DESCRIPTION	INPUT	FREQ.	TRACK	UNIT	SPEC	
						NOMI.	LIMIT
1	OUT PUT LEVEL Disc : DTS 0dB LLLY	FRONT	1KHz	10,11	V	9.5±1	9.5±2
		CENTER	1KHz	14	V	9.5±1	9.5±2
		SURR	1KHz	12,13	V	9.5±1	9.5±2
		S/W	30Hz	15	V	1.2±0.3	1.2±0.5
2	THD Disc : DTS 0dB LPF(20KHz) LLLY	FRONT	1KHz	10,11	%	≤0.3	≤0.5
		CENTER	1KHz	14	%	≤0.3	≤0.5
		SURR	1KHz	12,13	%	≤0.3	≤0.5
		S/W	30Hz	15	%	≤0.3	≤0.5
3	S/N Disc 0dB,JIS "A" LPF(20KHz) LLLY	FRONT	1KHz	10,11	dB	≥65	≥60
		CENTER	1KHz	14	dB	≥65	≥60
		SURR	1KHz	12,13	dB	≥65	≥60
		S/W	30Hz	15	dB	≥65	≥60

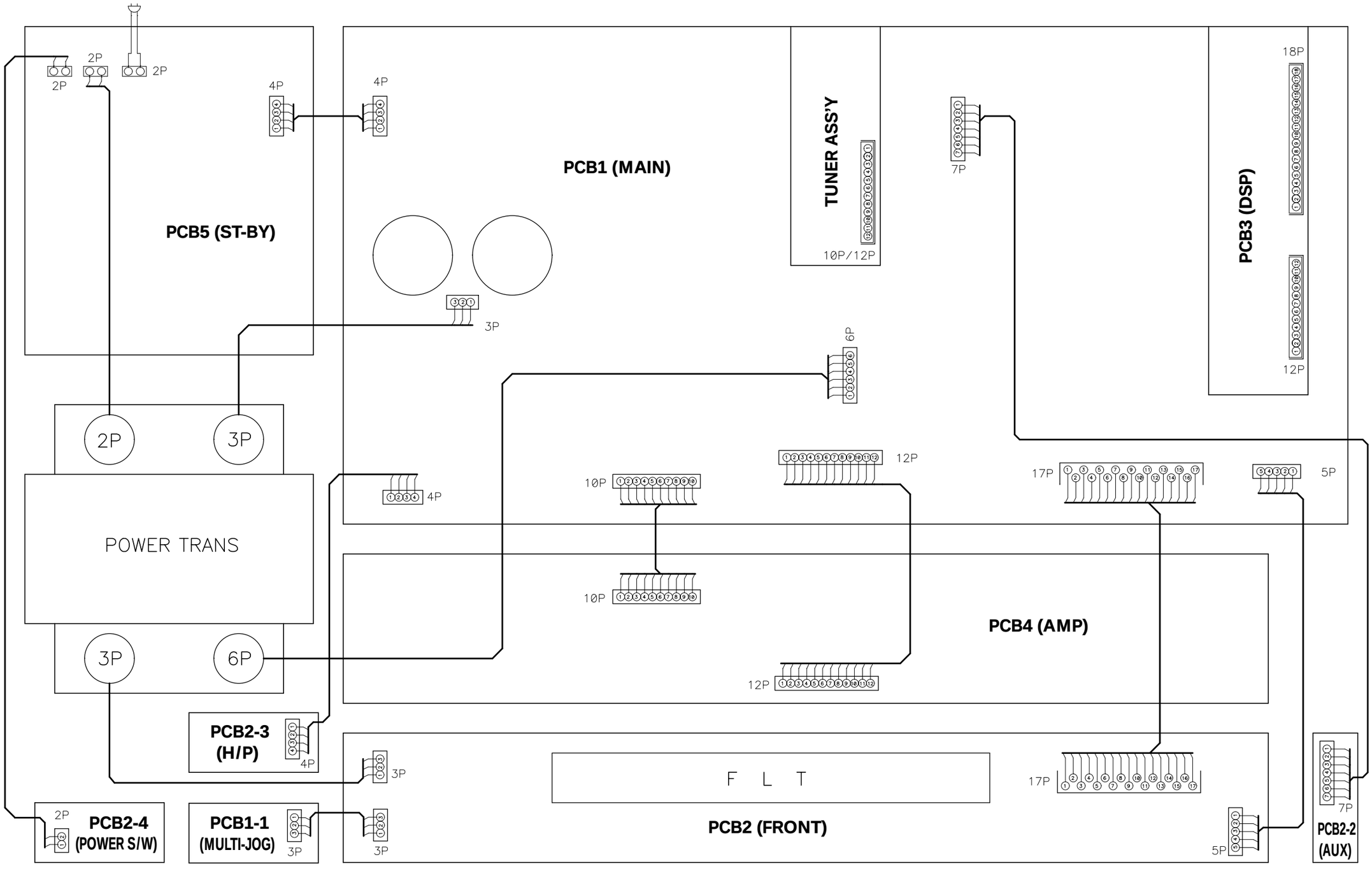
BLOCK DIAGRAM

Model No.: RD-6502



WIRING DIAGRAM

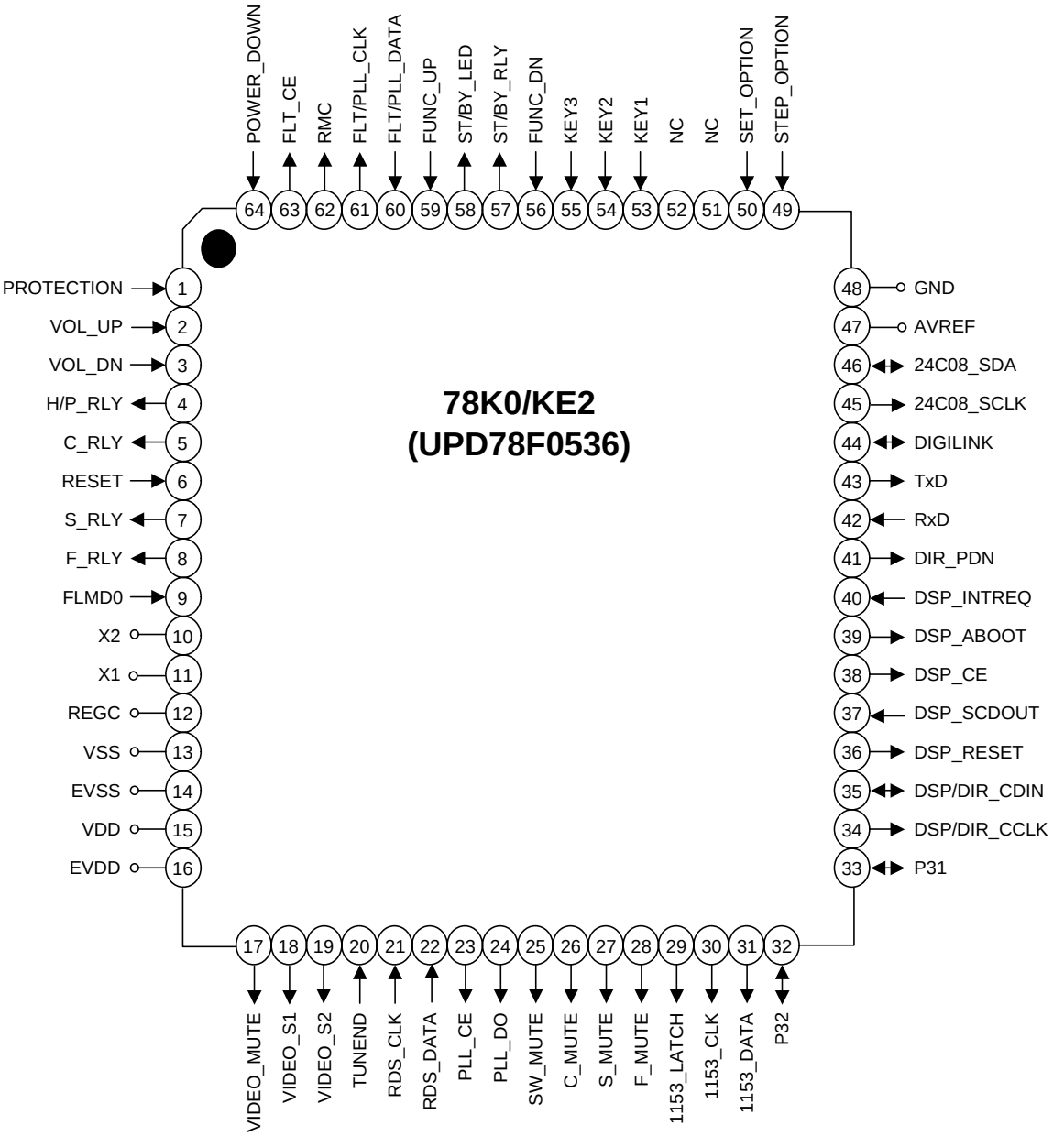
Model No.: RD-6502



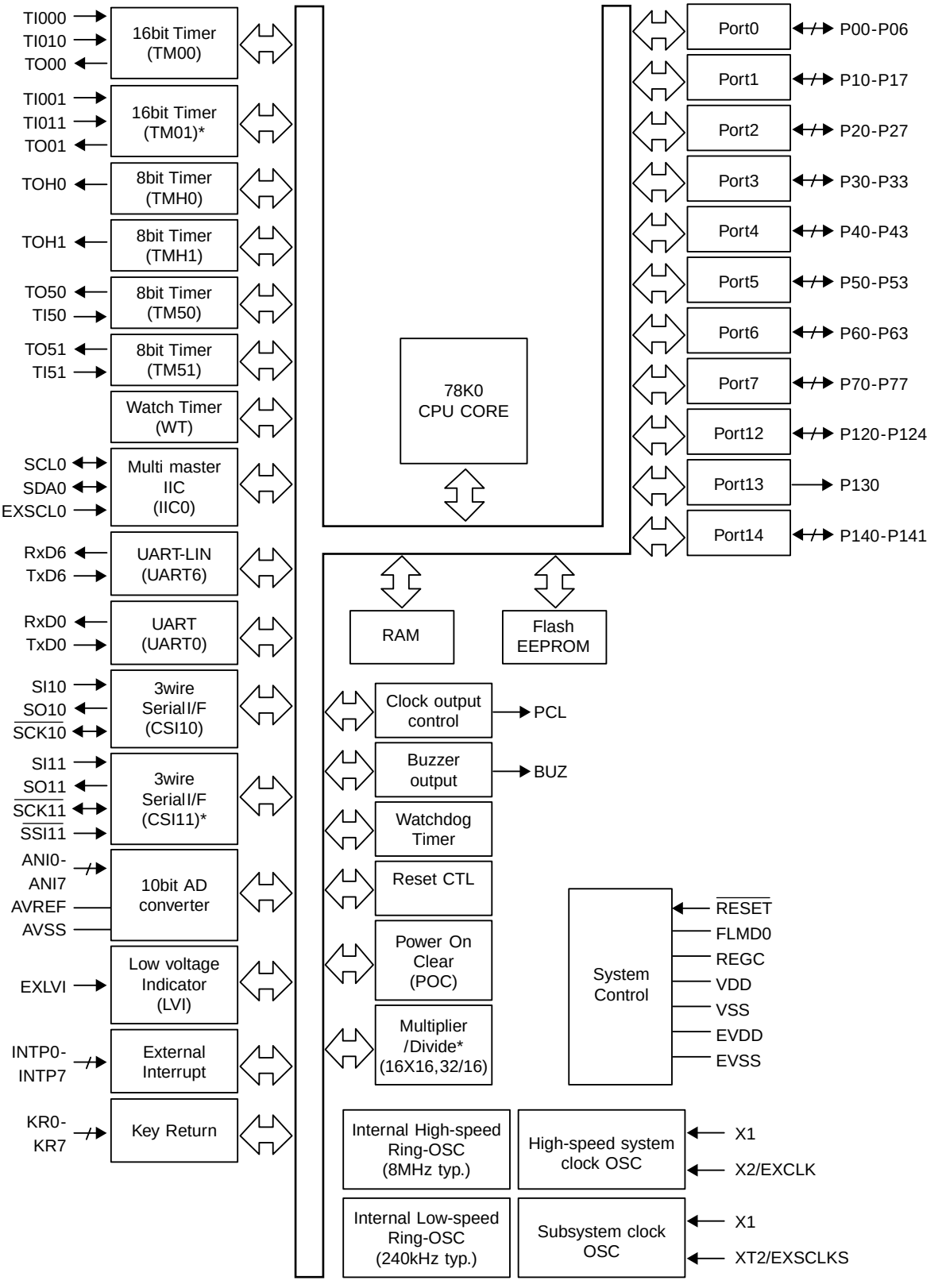
CIRCUIT DESCRIPTION

UPD78F0536 : IC101

1. Pin Description



2. Block Diagram



*: μPD78F0537/0536/0535/0534 only

3. Pin Function

No.	Pin Name	Pin Symbol	I/O	Pin Description
1	P120/INTP0/EXLVI	PROTECTION	I	Input for protection
2	P43	VOL_UP	I	Input for volume up
3	P42	VOL_DN	I	Input for volume down
4	P41	H/P_RLY	O	Output for headphone relay
5	P40	C_RLY	O	Output for center speaker relay
6	RESET	RESET	I	Input for u-com reset
7	P124/XT2/EXCLKS	S_RLY	O	Output for surround speaker relay
8	P123/XT1	F_RLY	O	Output for front speaker relay
9	IC/FLMD0	FLMD0	O	Port for flash mode setting
10	P122/X2/EXCLK	X2	O	Output for 10MHz crystal oscillator.
11	P121/X1	X1	I	Input for 10MHz crystal oscillator.
12	REGC			Connect to ground via 0.47uF/50V E.Cap
13	VSS	VSS		Ground
14	EVSS	EVSS		Ground
15	VDD	VDD		3V3
16	EVDD	EVDD		3V3
17	P60/SCLO	VIDEO_MUTE	O	Output for video mute
18	P61/SDA0	VIDEO_S1	O	Output for video function IC switching
19	P62/EXSCL0	VIDEO_S2	O	Output for video function IC switching
20	P63	TUNED	I	Input for tuner "TUNED" condition (L is active)
21	P33/TI51/TO51/INTP4	RDS_CLK	I	Clock signal input from tuner pack
22	P77/KR7	RDS_DATA	I	Input for RDS data from tuner pack
23	P76/KR6	PLL_CE	O	Chip select output for tuner pack
24	P75/KR5	PLL_DO	O	Data output for tuner pack
25	P74/KR4	SW_MUTE	O	Output for subwoofer channel mute
26	P73/KR3	C_MUTE	O	Output for center channel mute
27	P72/KR2	S_MUTE	O	Output for surround channel mute
28	P71/KR1	F_MUTE	O	Output for front channel mute
29	P70/KR0	1153_LATCH	O	Chip select output for NJW1153
30	P06/TI011/TO01	1153_CLK	O	Clock signal output for NJW1153
31	P05/TI001/SSI11	1153_DATA	O	Output for NJ W1153 control data
32	P32/INTP3	P32		Port for flash upgrade

No.	Pin Name	Pin Symbol	I/O	Pin Description
33	P31/INTP2	P31		Port for flash upgrade
34	P50	DSP/DIR_CCLK	O	Clock signal output for DIR/DSP
35	P51	DSP/DIR_CDIN	I/O	Input & output for DIR/DSP control data
36	P52	DSP_RESET	O	Output for DSP reset
37	P53	DSP_SCDOUT	I	Output for DSP control data
38	P30/INTP1	DSP_CE	O	Chip select output for NJW1153
39	P17/TI50/TO05	DSP_ABOOT	O	Ouput for DSP Auto boot
40	P16/TOH1/INTP5	DSP_INTREQ	I	Interrupt signal output to DSP
41	P15/TOH0	DIR_PDN	O	Output for DIR power down
42	P14/RXD6	RxD	I	Input for flash upgrade
43	P13/TXD6	TxD	O	Output for flash upgrade
44	P12/SO10	DIGILINK	I/O	Input & output for DIGILINK
45	P11/SI10/RXD0	24C08_SCLK	O	Clock signal output for 24C08
46	P10/SCK10/TXD0	24C08_SDA	I/O	Input & output for 24C08 control data
47	AVREF	AVREF		3V3
48	AVSS	AVSS		GROUND
49	P27/ANI7	STEP_OPTION	I	Input for step option
50	P26/ANI6	SET_OPTION	I	Input set option
51	P25/ANI5	NC	-	Not used
52	P24/ANI4	NC	-	Not used
53	P23/ANI3	KEY1	I	Input for KEY1 scan
54	P22/ANI2	KEY2	I	Input for KEY2 scan
55	P21/ANI1	KEY3	I	Input for KEY3 scan
56	P20/ANI0	FUNC_DN	I	Input for function encoder down
57	P130	ST/BY_LED	O	Ouput for standby led
58	P04/SCK11	ST/BY_RLY	O	Onput for standby relay
59	P03/S111	FUNC_UP	I	Input for function encoder up
60	P02/S011	FLT/PLL_DATA	O	Output for FLT/PLL control data
61	P01/TI010/TO00	FLT/PLL_CLK	O	Clock signal output for FLT/PLL
62	P00/TI000	RMC	I	Input for remocon data
63	P141/BUZ/INTP7	FLT_CE	O	Chip select output for FLT
64	P140/PCL/INTP6	POWER_DOWN	I	Input for power down

TUNER ALIGNMENT

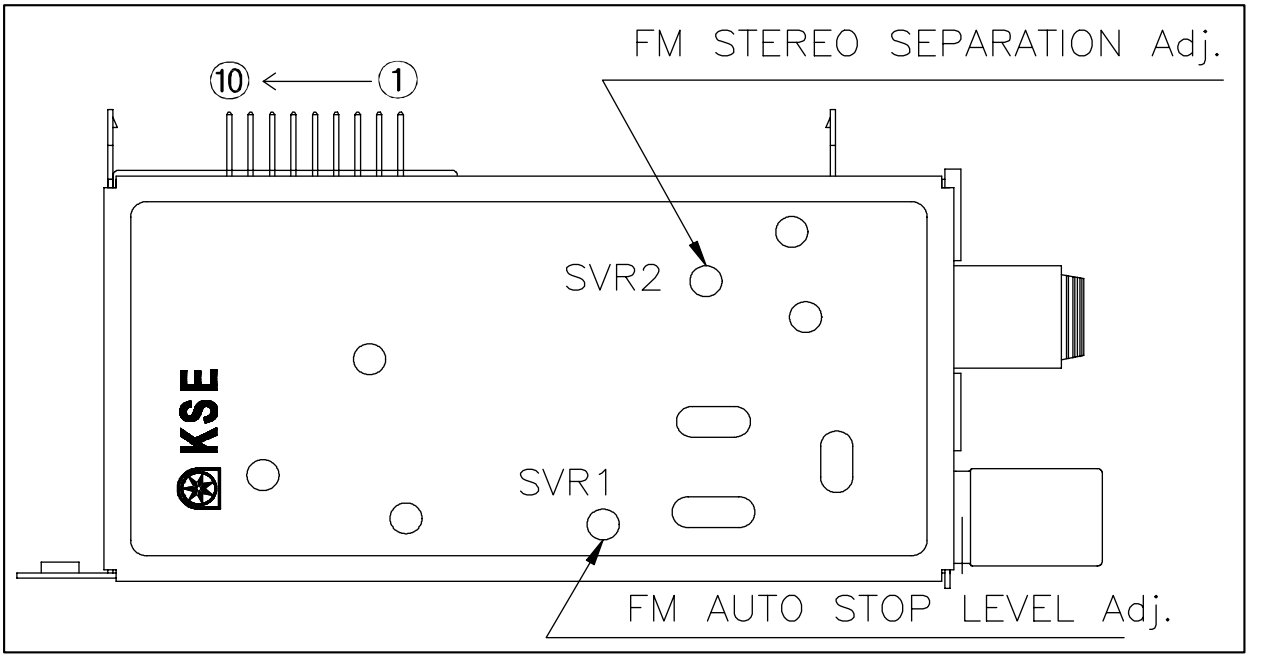
1. Electrical specification.

No.	ITEMS	SPECIFICATION	
		M W	F M
1-1	Local OSC	Above the receiving Frequency	
1-2	Frequency cover range	522 ~1620kHz	87.5 ~ 108.0MHz
1-3	Standard supply voltage	12 +/-0.5V	
1-4	FM Antenna Impedance	75 ohm unbalance	
1-5	AM Loop Antenna	9.5uH (1kHz) : S0160BL-25	

2. Electrical Characteristics.

No.	TEST ITEMS	TEST CONDITION	T.P.	T.L.	MOD.	Specification	UNIT	Adjustment
				dBu	kHz,%			
FM	AF Output Level	47kΩ Load	98.1	60	40	280±100	mV	Non Adjust
	Auto Stop Level		98.1	--		25 ±6	dBu	SVR01
	Stereo Separation	1kHz	98.1	60		25 min	dB	SVR02
MW	AF Output Level	47kΩ Load	999	74	30	180 ±60	mV	Non Adjust
	Auto Stop Level		999	--	30	55 ±15	dBu	Non Adjust

3. Adjust Point.



TROUBLESHOOTING

Symptom	Cause and Remedy	Ref No.
Power On Failure	A) AC-Cord check.	
1. FLT does not light up.	B) Power Trans (Main/ST-BY) check.	
2. ST-BY LED does not light up.	C) Fuse's disconnection check.	F300, 301 (STBY)
	D) Connector's disconnection or disjunction.	
	Change or close insertion of the connector.	CN301 (STBY), CP103 (MAIN)
	E) Inferior ST-By switch.	SW700 (POWER SW)
	F) VFD Driver IC & Resonator check.	IC701 (FRONT)
	1. VFD Driver IC VCC(+3.3)V check.	IC701 Pin #13 (FRONT)
	2. VFD Driver clock pulse check.	IC701 Pin #5 (FRONT)
Fuse Disconnection.	A) Inferior transformer.	
(Power On)	B) AMP drive transistor out. (POWER TR)	Q205, Q206 (FL, FR, C, SL, SR) (AMP)
	C) AMP bias transistor out. (BIAS TR)	Q204 (FL, FR, C, SL, SR) (AMP)
	D) voltage check.	
	1. B+ (35 ~ 45)V, B- (- 45 ~ -35) V	
Key Disorder.	A) Key's being pushed check.	SW700 (POWER SW)
	B) Key signal input components inferior.	
	C) Key data check.	IC101 Pin #53,54,55 (MAIN)
	D) μ-COM IC or Resonator inferior.	
	1. μ-COM IC 3.3V check.	IC101 Pin #15, 16, 47 (MAIN)
	2. μ-COM clock pulse check.	IC101 Pin #10, 11 (MAIN)
Power Off in 2~3 sec.	A) Regulator IC out.	IC103, 104 (MAIN)
after Power On.	1. Signal IN/OUT check.	
	B) Drive transistor out. (POWER TR)	Q205, Q206 (FL, FR, C, SL, SR) (AMP)
	C) Protection circuit check.	
	1. Output DC check.	IC103, 104 (MAIN), IC403, 404, 405 (DSP)
	2. μ-COM IC protection terminal check.	IC101 Pin #1 (MAIN)
	D) Connector's disconnection or disjunction	CP101, CP102 (MAIN)
	E) SLEEP MODE cancellation.	
Bump Sound	A) FRONT Mute transistor's out and inferior.	Q105 (MAIN)
(During input-select switch's change.)	μ-Com front mute control PORT check.	IC101 Pin #28 (MAIN)
	B) CENTER Mute transistor's out and inferior.	Q107 (MAIN)
	μ-Com center mute control PORT check.	IC101 Pin #26 (MAIN)
	C) SURROUND Mute transistor's out and inferior.	Q109 (MAIN)
	μ-Com surround mute control PORT check.	IC101 Pin #27 (MAIN)
	D) SUBWOOFER Mute transistor's out and inferior.	Q114 (MAIN)
	μ-Com surround mute control PORT check.	IC101 Pin #25 (MAIN)
Sounds from Speaker when	A) HEADPHONE JACK connection inferior.	CP112 (MAIN)
Headphone's connected.		

Symptom	Cause and Remedy	Ref No.
Bass / Treble Control Failure.	A) Bass volume check.	IC102 (MAIN)
	1. Resister/Capacitor correction figure check.	IC102 Pin #1, 47, 48, 64 (MAIN)
	2. BASS VR's property inferior.	
	B) TONE IC check.	IC102 (MAIN)
	1. Signal IN/OUT terminal check.	
	2. IC voltage check. (+7.5)V, (-7.5)V	IC102 Pin #55, 57 (MAIN)
	3. IC CLK/DATA/STB	IC102 Pin #29, 30, 31 (MAIN)
AMP Sound Dead.	A) Signal Mute TR's inferior.	Q105, 107, 109, 111 9MAIN)
1. "LEFT" Channel dead.	B) Connector disconnection & disjunction.	CP110 (MAIN)
2. "RIGHT" Channel dead.	Change or close insertion of the connector.	
3. "CENTER" Channel dead.	C) Speaker wire's disjunction.	
4. "REAR" Channel dead.	Close insertion of the speaker wire.	
5. "REAR CENTER" Channel dead.	D) Signal switching IC check.	IC102 (MAIN)
	1. IC voltage check (+7.5)V, (-7.5)V	IC102 Pin #55, 57 (MAIN)
	2. Switching IC control data check.	IC102 Pin #29, 30, 31 (MAIN)
	3. Switching IC signal IN/OUT check.	
AC-3/DTS Failure.	A) IC Regulator check.	
(DSP Sound Mode)	IN +7.5~9V, OUT +3.3V	IC403 (DSP)
	IN +7.5~9V, OUT +2.5V	IC404 (DSP)
	IN +7.5~9V, OUT +5V	IC405 (DSP)
	B) DIR check.	IC401 (DSP)
	1. OSC check.	XTAL401 (DSP)
	2. RMCK, RBCK, RLRCK, RDATA Check.	IC401 Pin #10, 15, 16, 17 (DSP)
	3. Micom Interface Port Check.	IC401 PIN #21, 22, 31 (DSP)
	C) DSP Check.	IC402 (DSP)
	1. INTREQ Check.	IC402 Pin #20 (DSP)
	2. LRCK Check.	IC402 Pin #26 (DSP)
	3. Micom Interface Port Check.	IC402 Pin #6, 7, 18, 19, 36 (DSP)
	4. SDATA Check.	IC402 Pin #22 (DSP)
	D) D/A Check.	IC401 (DSP)
	1. LRCK/BCK/SDATA check.	IC401 Pin #15, 16, 22
	2. Signal out check.	IC401 Pin #39, 41, 43, 45, 47, 49, 51, 52(DSP)
Video Output Dead.	A) Video voltage check.	
	1. DC voltage check. +12V	
	B) Video selector control IC check.	IC201 (MAIN)
	1. DC voltage check. +12V	IC201 Pin #7 (MAIN)
	2. Micom control data check.	IC201 Pin #2, 3 (MAIN)
Digi-Link Failure.	A) Digi-link line disconnection check.	
	Digi-Link IN/OUT circuit check.	R233, D125 (MAIN)
	B) Micom Interface Port Check.	
	1. μ-COM IC 3.3V check.	
	2 . Digi-link data I/O data check.	IC101 Pin #44 (MAIN)

Symptom	Cause and Remedy	Ref No.
Remote Controller Failure.	A) Battery check. B) RMC IC & Resonator inferior. 1. μ-COM IC 3.3V check. 2. REMOCON data check.	 IC101 PIN #62 (MAIN), RMC701 (FRONT)
FM Failure.	A) FM MUTE adjustment inferior. B) FRONT-END inferior. C) FM DET COIL inferior. D) TUNER PACK check. 1. TUNER PACK +12V check. 2. PLL control data check. (Data/CE/Clock) E) TUNER B+ voltage inferior. F) μ-COM IC & Resonator inferior. 1. μ-COM IC 3.3V check. 2. Micom control data check.	 PACK101 Pin #4 (MAIN) PACK101 Pin #5, 6, 7, 8, 9, 11, 12 (MAIN) IC101 (MAIN) IC101 Pin #21, 22, 23, 24, 60, 61 (MAIN)
AM Failure.	A) AM V.T voltage inferior. B) TUNER PACK check. 1. TUNER PACK +12V check. 2. PLL control data check. (Data/CE/Clock) C) TUNER B+ voltage inferior. D) AM OSC COIL inferior. E) μ-COM IC & Resonator inferior. 1. μ-COM IC 3.3V check. 2. Micom control data check.	 IC101 (MAIN) IC101 Pin #21, 22, 23, 24 (MAIN)
Stereo Effect Failure. Stereo does not light up.	A) FM DET COIL Inferior. B) TUNER PACK inferior. 1. TUNER PACK +12V check. 2. PLL control data check. (Data/CE/Clock) C) STEREO adjustment inferior. D) FM MUTE adjustment inferior. E) μ-COM IC & Resonator inferior. 1. μ-COM IC 3.3V check. 2. Micom control data check.	 IC101 (MAIN) IC101 Pin #21, 22, 23, 24, 60, 61 (MAIN)
Tuner Sound Dead. 1. "L / R" Channel dead. 2. "LEFT" Channel dead. 3. "RIGHT" Channel dead.	A) Connector's disconnection or disjunction. Change or Close insertion of the connector. B) AM/FM IF IC check . 1. Signal IN/OUT terminal. 2. IC driving voltage check. (+12V) C) FM DET COIL inferior. D) AM IFT COIL inferior. E) TUNER PACK check. 1. Signal IN/OUT terminal. 2. IC driving voltage check. (+12V)	

MECHANICAL PARTS LIST

Model No.: RD-6502

♣ **Parts without Parts No. are not supplied.**

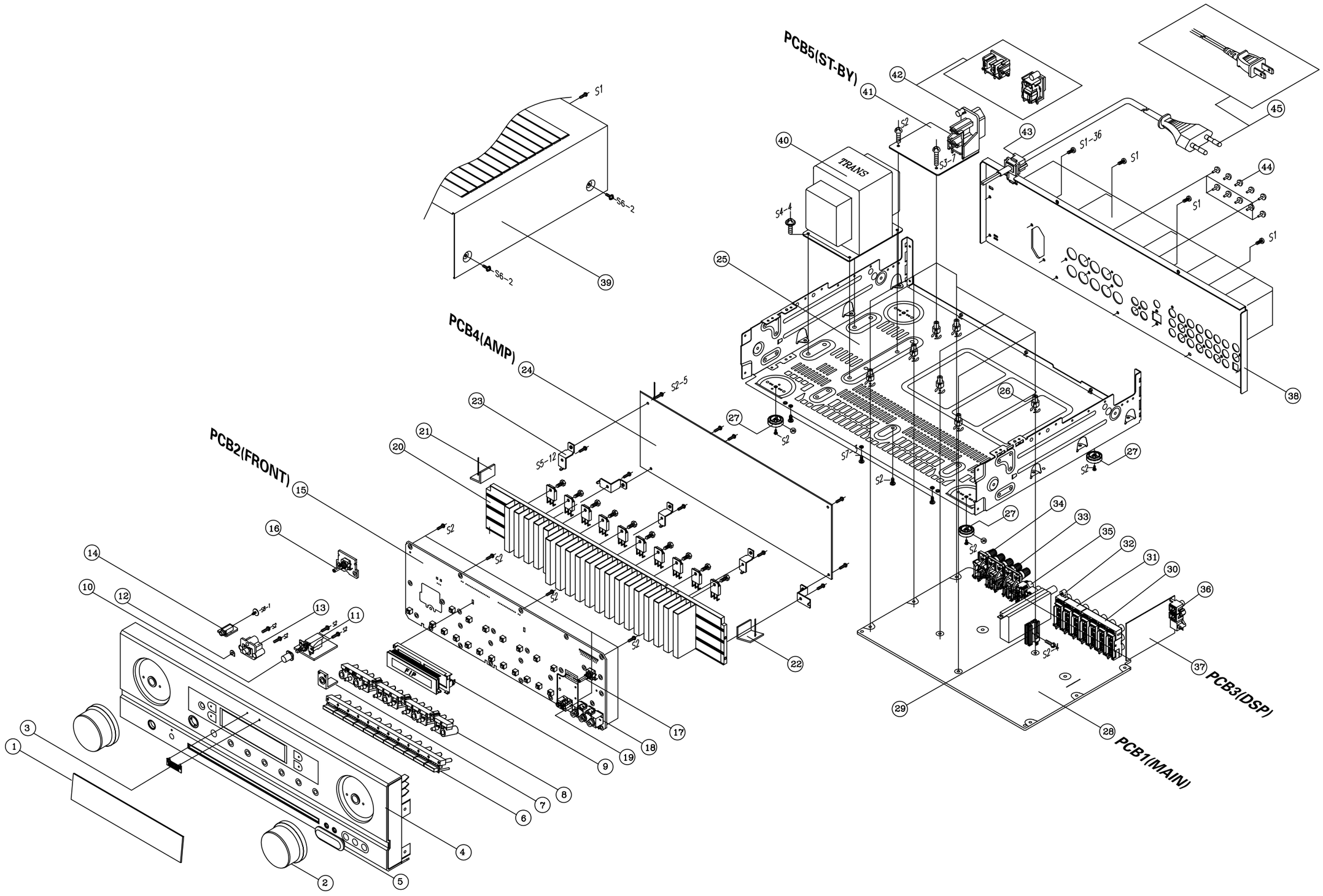
Parts without version mentioned are common ones.

⊙ A → USA(120V/60Hz), C → CHINA(220V/50Hz), E → AUSTRALIA(240V/50Hz), G → RDS(230V/50Hz), K → KOREA(220V/60Hz)

No.	DESCRIPTION	Q'TY	PARTS No.	VER.
	PACKAGE			
	INSTRUCTION MANUAL	1	5707000000250S	K
	INSTRUCTION MANUAL	1	5707000000260S	E
	INSTRUCTION MANUAL	1	5707000000270S	C
	INSTRUCTION MANUAL (China version)	1	5707000000400S	C
	INSTRUCTION MANUAL	1	5707047350470S	A
	INSTRUCTION MANUAL	1	5707047350480S	G
	INSTRUCTION MANUAL (French/Germany)	1	5707047350520S	G
	WARRANTY CARD	1	5727040540021S	E
	WARRANTY CARD	1	5727041650014S	A/C
	BOX,INNER CARTON	1	60170401212C0S	A
	BOX,INNER CARTON	1	60170401212E0S	C/G
	BOX,INNER CARTON	1	60170401212L0S	K
	BOX,INNER CARTON	1	6017210060140S	E
	CUSHION,SNOW	1	6230043714010S	
	PE,SHEET (750*1460 SET)	1	6327040059000S	
	POLY BAG, 330*240*0.05	1	6337040062010S	
	REMOCON, RC-106 40KEY	1	8300472900010S	A/C/E/G
	REMOCON, RC-106 40KEY	1	8300472900030S	K
	ANTENNA, LOOP (AM)	1	E601016000010S	
	ANTENNA, WIRE (FM)	1	E605010070001S	
	BATTERY, AAA	2	G670001R50210S	
	CABINET & CHASSIS			
1	WINDOW, Display	1	5077212132030S	A/C/E/K
	WINDOW, Display	1	5077212132040S	G
2	KNOB, VOLUME	2	5087210191030SZ	C/K-G
	KNOB, VOLUME	2	5087210191400SZ	A/G-B/E-B
	KNOB, VOLUME	2	5087210191800SZ	E-S/G-S/K-S
3	BADGE, SHERWOOD	1	5630210051000S	A/C/E-B/G-B
	BADGE, SHERWOOD	1	5630210051010S	E-S/G-S
	BADGE, INKEL	1	5630210268000S	K-S
	BADGE, INKEL	1	5630210268010S	K-G
4	PANEL, FRONT	1	3067212231220S	C/K-G
	PANEL, FRONT	1	3067212231330S	E-S/G-S/K-S
	PANEL, FRONT	1	3067212231410S	A
	PANEL, FRONT	1	3067212231510S	E-B/G-B
5	COVER, RCA	1	4317211201000S	A/E-B/G-B
	COVER, RCA	1	4317211201100S	C/K-G
	COVER, RCA	1	4317211201200S	E-S/G-S/K-S
6	BUTTON, 11KEY	1	5097212771100S	C/K-G
	BUTTON, 11KEY	1	5097212771200S	E-S/G-S/K-S
	BUTTON, 11KEY	1	5097212771300S	A/E-B/G-B
7	LENS, STAND-BY	1	3710210583000S	
8	BUTTON, 7KEY	1	5090212761000SZ	A/G/E/K-S
	BUTTON, 7KEY	1	5090212761100SZ	C/K-G
9	HOLDER, FL	1	432004078301AS	
10	KNOB, POWER	1	5087210818020S	C/K-G
	KNOB, POWER	1	5087210818030S	A/E-B/G-B
	KNOB, POWER	1	5087210818040S	G-S/E-S/K-S
11	S/W, PUSH	1	G000122006060S	
12	INDICATOR, GUIDE LED	1	51600410030010S	
13	BUTTON, SPEAKER	1	5097212751100S	C/K-G
	BUTTON, SPEAKER	1	5097212751200S	E-S/G-S/K-S
	BUTTON, SPEAKER	1	5097212751300S	A/E-B/G-B
14	JACK, D6.5	1	G402040161330S	
15	PCB ASS'Y, FRONT	1		
16	SW, ENCODER	1	G121123070010S	
17	VOL, ENCODER	1	G121123050010S	
18	TER, RCA 3PIN	1	G606040320000S	
19	JACK, D3.5	1	G401035180050S	
20	HEAT SINK	1	2120210538100S	
21	PCB ASS'Y, GUIDE L	1		
22	PCB ASS'Y, GUIDE R	1		
23	BRACKET, H SINK	5	4010056906010S	
24	PCB ASS'Y, SUB	1		
25	CHASSIS, MAIN	1	3200200026020S	
26	SPACER, KNOB	6	4300040561010S	
27	FOOT, H/STAMPING ASS'Y	4	4007040201020S	E-S/G-S/K-S
	FOOT, H/STAMPING ASS'Y	4	4007040201040S	A/C/E-B/G-B/K-G
28	PCB ASS'Y, MAIN	1		
29	HEAT SINK	1	2120044308010S	
30	TER, RCA 12PIN	1	G6081201A117YS	
31	TER, RCA 6PIN	1	G603610A0001YS	
32	TER, RCA 3PIN	1	G60631901B10YS	
33	TER, BOARD PUSH 8P	1	G598801SA090YS	A
	TER, BOARD SCREW 8P	1	G614801A1400YS	C/E/G/K
34	TER, BOARD PUSH 2P	1	G59221206000YS	A
	TER, BOARD SCREW 2P	1	G611201A0700YS	C/E/G/K
35	TER, RCA 4PIN	1	G602405BE310YS	
36	TER, RCA 2PIN	1	G601206A0200YS	
37	PCB ASS'Y, DSP	1		
38	CHASSIS, BACK	1	3207211866000S	A
	CHASSIS, BACK	1	3207211866100S	G
	CHASSIS, BACK	1	3207211866200S	C
	CHASSIS, BACK	1	3207211866210S	K
	CHASSIS, BACK	1	3207211866220S	E
39	CABINET, TOP	1	3007041236061S	A/E-B/G-B
	CABINET, TOP	1	3007041236071S	E-S/G-S/K-S
	CABINET, TOP	1	3007041236081S	C/K-G
40	POWER TRANS, 120V/60Hz	1	8200960560110S	A
	POWER TRANS, 230V/50Hz	1	8200960560120S	E/G
	POWER TRANS, 220V/50,60Hz	1	8200960560130S	C/K
41	PCB ASS'Y, ST-BY	1		
42	SOCKET, AC OUTLET	1	G435040070000S	A
	SOCKET, AC OUTLET	1	G435040110000S	G
43	STOPPER, CORD	1	4380040162010S	
44	BUSHING, TERMINAL	10	2410040353010S	
45	CORD ASS'Y, 10A/125V	1	L068125100050S	A
	CORD ASS'Y, 6A/250V	1	L068250060050S	C
	CORD ASS'Y, 2.5A/250V	1	L068250250100S	G
	CORD ASS'Y, 2.5A/250V	1	L068250250180S	K
	CORD ASS'Y, 7.5A/250V	1	L068250750020S	E
	SCREWS			
S1	SCREW, +2S 3*10 B-TYPE(DOT) BK/BH	39	B020030103B11S	A/E-B/G-B
	SCREW, +2S 3*10 B-TYPE(DOT) BK/BH	36	B020030103B11S	C/E-S/G-S/K
S2	SCREW, +2S 3*8 B-TYPE ZNW/BH	67	B020030081B10S	
S3	SCREW, 3X18 B-TYPE ZNW/BH	7	B020030181B10S	
S4	SCREW, +3S 4*10 P+S-WASHER ZNW/BH	4	B028940101B10S	
S5	SCREW, +2S 3*16+S-WASHER ZNW/HH	15	1507041146010S	
S6	SCREW, +2S 4*8 B-TYPE(DOT) BK/BH	4	1500040083B10S	A/E-B/G-B
	SCREW, +2S 4*8 B-TYPE(DOT) NI/BH	4	1500040084B10S	C/E-S/G-S/K
S7	SCREW, +2S 3*8 B-TYPE ZNW/BH	30	B020030081B10S	
S8	SCREW, +2S 3*8 ZnY WASHER PI12	1	1500001456010S	
S9	SCREW, +2S 3*10 B-TYPE(DOT) BK/BH	2	B020030103B11S	
	MISCELLANEOUS			
Q206C	2SB1560-Y, PNP	1	J5011560Y0000S	
Q206FL	2SB1560-Y, PNP	1	J5011560Y0000S	
Q206FR	2SB1560-Y, PNP	1	J5011560Y0000S	
Q206SL	2SB1560-Y, PNP	1	J5011560Y0000S	
Q206SR	2SB1560-Y, PNP	1	J5011560Y0000S	
Q205C	2SD2390-Y, NPN	1	J5032390Y0000S	
Q205FL	2SD2390-Y, NPN	1	J5032390Y0000S	
Q205FR	2SD2390-Y, NPN	1	J5032390Y0000S	
Q205SL	2SD2390-Y, NPN	1	J5032390Y0000S	
Q205SR	2SD2390-Y, NPN	1	J5032390Y0000S	
Q204C	2SD947F, NPN	1	J503947F00000S	
Q204FL	2SD947F, NPN	1	J503947F00000S	
Q204FR	2SD947F, NPN	1	J503947F00000S	
Q204SL	2SD947F, NPN	1	J503947F00000S	
Q204SR	2SD947F, NPN	1	J503947F00000S	
	CABLE, FLAT CARD 1.25MM	1	N712172234810S	

EXPLODED VIEW

Model No.: RD-6502



ELECTRICAL PARTS LIST

Model No.: RD-6502

♣ **Parts without Parts No. are not supplied.**
Parts without version mentioned are common ones.
⊙ A → USA(120V/60Hz), C → CHINA(220V/50Hz), E → AUSTRALIA(240V/50Hz), G → RDS(230V/50Hz), K→ KOREA(220V/60Hz)

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
PCB1	**ASSEMBLY P.C.BOARD MAIN**		**7025HK0602010**	**A**
PCB1	**ASSEMBLY P.C.BOARD MAIN**		**7025HK0602030**	**C**
PCB1	**ASSEMBLY P.C.BOARD MAIN**		**7025HK0602050**	**K**
PCB1	**ASSEMBLY P.C.BOARD MAIN**		**7025HK0602060**	**G**
PCB1	**ASSEMBLY P.C.BOARD MAIN**		**7025HK0602070**	**E**
	CAPACITORS			
C101L/R	CERAMIC CHIP T.C 100 pF 50V J	2	D0101011671605	
C115C	CERAMIC CHIP T.C 100 pF 50V J	1	D0101011671605	
C115L/R	CERAMIC CHIP T.C 100 pF 50V J	2	D0101011671605	
C115SL	CERAMIC CHIP T.C 100 pF 50V J	1	D0101011671605	
C115SR	CERAMIC CHIP T.C 100 pF 50V J	1	D0101011671605	
C115SW	CERAMIC CHIP T.C 100 pF 50V J	1	D0101011671605	
C132-C134	CERAMIC CHIP T.C 100 pF 50V J	3	D0101011671605	
C164SW	CERAMIC CHIP T.C 100 pF 50V J	1	D0101011671605	
C171-C174	CERAMIC CHIP T.C 100 pF 50V J	4	D0101011671605	
C179/C180	ELECT GE 85C 6800 uF 63V M	2	D0406820880105	
C182-C184	FILM POLYESTER 0.1 uF 250V K	3	D02010407H080S	
C189	ELECT GE 85C 330 uF 63V M	1	D0403310882305	
C193/C195	ELECT GE 85C 220 uF 10V M	2	D0402210820905	
C197	ELECT GE 85C 100 uF 10V M	1	D0401010820705	
C200	ELECT GE 85C 6800 uF 16V M	1	D0406820830005	
C201-C203	FILM POLYESTER 0.047 uF 100V J	3	D02047306C060S	
C206	ELECT GE 85C 4700 uF 25V M	1	D0404720840205	
C207	ELECT GE 85C 1000 uF 25V M	1	D0401020840605	
C208-C210	FILM POLYESTER 0.047 uF 100V J	3	D02047306C060S	
C211	ELECT GE 85C 0.47 uF 50V M	1	D040R47087050S	
C215/C216	CERAMIC CHIP T.C 100 pF 50V J	2	D0101011671605	
C219	CERAMIC CHIP T.C 100 pF 50V J	1	D0101011671605	
C220	CERAMIC CHIP HIK 0.047 uF 50V Z	1	D0114735971605	
C221	ELECT GE 85C 470 uF 6.3V M	1	D0404710810705	
C257/C258	ELECT GE 85C 470 uF 10V M	2	D0404710820605	
C260	CERAMIC CHIP HIK 0.047 uF 50V Z	1	D0114735971605	
C264	ELECT GE 85C 100 uF 16V M	1	D0401010830705	
	CONNECTORS			
CP101	CN.WAFER 7.92MM	1	L108353280360S	
CP102	CN.WAFER 2.5MM (6P)	1	L102526700600S	
CP103	CN.FPC 1.25MM (7P)	1	L1310071000105	
CP104	CN.WAFER 2.0MM (5P)	1	L1012200500005	
CP105	CN.WAFER 2.0MM (7P)	1	L1012200700005	
CP106	CN.WAFER 2.0MM (9P)	1	L1012200900005	
CP107	CN.WAFER 2.0MM (18P)	1	L1011000418105	
CP108	CN.WAFER 2.0MM (12P)	1	L1011000412105	
CP110	CN.WAFER 2.0MM (10P)	1	L1012201000005	
CP111	CN.WAFER 2.5MM (12P)	1	L1025267012005	
CP112	CN.WAFER 2.0MM (4P)	1	L1012200400005	
FPC101	CN.FPC 1.25MM (17P)	1	L1311117000105	
	DIODES			
D101-D114	1N4148W,SWITCHING	14	K0050414800205	
D116-D121	1N4148W,SWITCHING	6	K0050414800205	
D122	1N4007,SWITCHING	1	K0004007000105	
D123-D128	1N4148W,SWITCHING	6	K0050414800205	
D129-D134	1N4007,SWITCHING	6	K0004007000105	
D135/D136	1N4148W,SWITCHING	2	K0050414800205	
D142	1N4148W,SWITCHING	1	K0050414800205	
D201/D202	1N4148W,SWITCHING	2	K0050414800205	
ZD101/ZD102	0.2W 7.5V, ZENER (UMD2 TYPE)	2	K06607R54P400S	
ZD103/ZD104	0.2W 16V, ZENER (UMD2 TYPE)	2	K06616R04P400S	
ZD106	MTZJ2.4B, ZENER	1	K06002R444520S	
ZD107	MTZJ3.3B, ZENER	1	K06003R344520S	
	INTEGRATED CIRCUITS			
IC101	UPD78F0536, CPU	1	J0207805360005	
IC102	NJW1153, ELECT VR	1	J0841153000105	
IC103	KIA7812API, LINEAR-REGULATOR	1	J1267812000405	
IC104	KIA7912PI, LINEAR-REGULATOR	1	J1267912000605	
IC105	CF4558CB, LINEAR OP	1	J1214558001505	
IC201	LA7956, MONITOR SW	1	J1717956000105	
IC202	MC24C08, MEMORY-EEPROM	1	J0002408601005	
	JACKS			
JACK101	TER,RCA 12PIN	1	G6081201A117YS	
JACK102	TER,RCA 6PIN	1	G603610A0001YS	
JACK103	TER,RCA 3PIN	1	G606319018105	
JACK104	TER,RCA 4PIN	1	G602405BE310YS	
JACK105	TER,BOARD PUSH 8P	1	G598801SA090YS	A
JACK105	TER,BOARD SCREW 8P	1	G614801A1400YS	C/E/G/K
JACK106	TER,BOARD PUSH 2P	1	G59221206000YS	A
JACK106	TER,BOARD SCREW 2P	1	G611201A0700YS	C/E/G/K
	TRANSISTORS			
Q103/Q104	KTC2875B(MB), NPN	2	J5222875B0010S	
Q105	KRA105S(PE), PNP	1	J5200105002105	
Q106	KTC2875B(MB), NPN	1	J5222875B0010S	
Q107	KRA105S(PE), PNP	1	J5200105002105	
Q108	KTC2875B(MB), NPN	1	J5222875B0010S	
Q109	KRA105S(PE), PNP	1	J5200105002105	
Q110	KTC2875B(MB), NPN	1	J5222875B0010S	
Q111	KRA105S(PE), PNP	1	J5200105002105	
Q114/Q115	KTC2875B(MB), NPN	2	J5222875B0010S	
Q116-Q118	KRC105S(NE), NPN	3	J5220105002105	
Q120	KRC105S(NE), NPN	1	J5220105002105	
Q121	KTA1268BL, PNP	1	J5001268B0050S	
Q122	KTC3198Y, NPN	1	J5023198Y0000S	
Q123/Q124	KTA1268BL, PNP	2	J5001268B0050S	
Q125	KSA916Y, PNP	1	J5000916Y0050S	
Q126	KTA1268BL, PNP	1	J5001268B0050S	
Q127	KTC3198Y, NPN	1	J5023198Y0000S	
Q128	KTA1268BL, PNP	1	J5001268B0050S	
Q129/Q130	KTC3198Y, NPN	2	J5023198Y0000S	
Q131	KTA1268BL, PNP	1	J5001268B0050S	
Q132/Q133	KTC3198Y, NPN	2	J5023198Y0000S	
Q134	KTA1268BL, PNP	1	J5001268B0050S	
Q135/Q136	KTC3198Y, NPN	2	J5023198Y0000S	
Q137	KRC102S(NB), NPN	1	J5220102002105	
Q138	KTC2875B(MB), NPN	1	J5222875B0010S	
Q201/Q202	KTC3198Y, NPN	2	J5023198Y0000S	
Q204/Q205	KRC105S(NE), NPN	2	J5220105002105	
	RESISTORS			
R101L/R	CHIP THICK 330 ohm 1/16W J	2	C20003316M160S	
R102L/R	CHIP THICK 220 kohm 1/16W J	2	C20002246M160S	
R103L/R	CHIP THICK 330 ohm 1/16W J	2	C20003316M160S	
R104L/R	CHIP THICK 220 kohm 1/16W J	2	C20002246M160S	
R105L/R	CHIP THICK 330 ohm 1/16W J	2	C20003316M160S	
R106L/R	CHIP THICK 100 kohm 1/16W J	2	C20001046M160S	
R107L/R	CHIP THICK 330 ohm 1/16W J	2	C20003316M160S	
R108L/R	CHIP THICK 100 kohm 1/16W J	2	C20001046M160S	
R109L/R	CHIP THICK 330 ohm 1/16W J	2	C20003316M160S	
R110L/R	CHIP THICK 100 kohm 1/16W J	2	C20001046M160S	
R111L/R	CHIP THICK 330 ohm 1/16W J	2	C20003316M160S	
R112L/R	CHIP THICK 100 kohm 1/16W J	2	C20001046M160S	
R115C	CHIP THICK 330 ohm 1/16W J	1	C20003316M160S	
R115L/R	CHIP THICK 330 ohm 1/16W J	2	C20003316M160S	
R115SL	CHIP THICK 330 ohm 1/16W J	1	C20003316M160S	
R115SR	CHIP THICK 330 ohm 1/16W J	1	C20003316M160S	
R115SW	CHIP THICK 330 ohm 1/16W J	1	C20003316M160S	
R116C	CHIP THICK 2.2 Mohm 1/16W J	1	C20002256M160S	
R116L/R	CHIP THICK 2.2 Mohm 1/16W J	2	C20002256M160S	
R116SL	CHIP THICK 2.2 Mohm 1/16W J	1	C20002256M160S	
R116SR	CHIP THICK 2.2 Mohm 1/16W J	1	C20002256M160S	
R116SW	CHIP THICK 2.2 Mohm 1/16W J	1	C20002256M160S	
R123-R125	CARBON FILM 100 ohm 1/5W J	3	C00001016P520S	
R125SW	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R126SW	CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	
R127SW	CHIP THICK 3.3 kohm 1/16W J	1	C20003326M160S	
R128SW	CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	
R131SW	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R132SW	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R133SW	CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	
R134SW	CHIP THICK 2 kohm 1/16W J	1	C20002026M160S	
R135SW	CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	
R136SW	CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	
R137SW	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R138C	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R138L/R	CHIP THICK 1 kohm 1/16W J	2	C20001026M160S	
R138SL	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R138SR	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R139C	CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	
R139L/R	CHIP THICK 47 kohm 1/16W J	2	C20004736M160S	
R139SL	CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	
R139SR	CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	
R140SW	CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	
R141SW	CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	
R142/R143	METAL FILM 100PPM 150 ohm 1W J	2	C060015165050S	
R145SW	CARBON FILM 470 ohm 1/5W J	1	C00004716P520S	
R148C	CARBON FILM 1 kohm 1/5W J	1	C00001026P520S	
R148L/R	CARBON FILM 1 kohm 1/5W J	2	C00001026P520S	
R148SL	CARBON FILM 1 kohm 1/5W J	1	C00001026P520S	
R148SR	CARBON FILM 1 kohm 1/5W J	1	C00001026P520S	
R148SW	CARBON FILM 1 kohm 1/5W J	1	C00001026P520S	
R149C	CHIP THICK 470 ohm 1/16W J	1	C20004716M160S	
R149L/R	CHIP THICK 470 ohm 1/16W J	2	C20004716M160S	
R149SL	CHIP THICK 470 ohm 1/16W J	1	C20004716M160S	
R149SR	CHIP THICK 470 ohm 1/16W J	1	C20004716M160S	
R150C	CHIP THICK 470 kohm 1/16W J	1	C20004746M160S	
R150F	CHIP THICK 470 kohm 1/16W J	1	C20004746M160S	
R150S	CHIP THICK 470 kohm 1/16W J	1	C20004746M160S	
R150SW	CHIP THICK 470 kohm 1/16W J	1	C20004746M160S	
R151C	CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	
R151L/R	CHIP THICK 22 kohm 1/16W J	2	C20002236M160S	
R151SL	CARBON FILM 22 kohm 1/5W J	1	C00002236P520S	
R151SR	CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
R152C	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R152F	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R152S	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R152SW	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R153C	CHIP THICK 470 kohm 1/16W J	1	C20004746M160S	
R153F	CHIP THICK 470 kohm 1/16W J	1	C20004746M160S	
R153S	CHIP THICK 470 kohm 1/16W J	1	C20004746M160S	
R153SW	CHIP THICK 1.2 kohm 1/16W J	1	C20001226M160S	
R154C	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R154L/R	CHIP THICK 100 kohm 1/16W J	2	C20001046M160S	
R154SL	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R154SR	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R155C	CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	
R155L/R	CHIP THICK 22 kohm 1/16W J	2	C20002236M160S	
R155SL	CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	
R155SR	CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	
R156C	METAL FILM 100PPM 10 ohm 1W J	1	C060010065050S	
R156L/R	METAL FILM 100PPM 10 ohm 1W J	2	C060010065050S	
R156SL	METAL FILM 100PPM 10 ohm 1W J	1	C060010065050S	
R156SR	METAL FILM 100PPM 10 ohm 1W J	1	C060010065050S	
R157/R158	METAL FILM 100PPM 470 ohm 2W J	2	C060047166060S	
R159SW	CHIP THICK 220 ohm 1/16W J	1	C20002216M160S	
R160/R161	CHIP THICK 47 ohm 1/16W J	2	C20004706M160S	G
R160SW	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R162	CHIP THICK 560 kohm 1/16W J	1	C20005646M160S	
R163	CHIP THICK 3.6 kohm 1/16W J	1	C20003626M160S	
R164	CHIP THICK 220 ohm 1/16W J	1	C20002216M160S	
R165	CHIP THICK 33 kohm 1/16W J	1	C20003336M160S	
R166	CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	
R167	CARBON FILM 2.2 kohm 1/5W J	1	C00002226P520S	
R168-R170	CHIP THICK 47 ohm 1/16W J	3	C20004706M160S	
R171	METAL FILM 100PPM 10 ohm 1W J	1	C060010065050S	
R172/R173	CHIP THICK 47 ohm 1/16W J	2	C20004706M160S	
R174-R176	METAL FILM 100PPM 2.2 kohm 1W J	3	C060022265050S	
R177	CARBON FILM 22 kohm 1/5W J	1	C00002236P520S	
R178/R179	CEMENT RADIAL FORM 0.1 ohm 5W J	2	C141R10069000S	
R180	CARBON FILM 820 ohm 1/5W J	1	C00008216P520S	
R181	CARBON FILM 390 ohm 1/5W J	1	C00003916P520S	
R182	CHIP THICK 560 kohm 1/16W J	1	C20005646M160S	
R183	CARBON FILM 390 ohm 1/5W J	1	C00003916P520S	
R184	METAL FILM 100PPM 4.7 ohm 1W J	1	C0604R7065050S	
R185	CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	
R186	METAL FILM 100PPM 22 ohm 1/4W J	1	C060022063050S	
R187	CHIP THICK 15 kohm 1/16W J	1	C20001536M160S	
R188/R189	CHIP THICK 47 kohm 1/16W J	2	C20004736M160S	
R190	METAL FILM 100PPM 47 kohm 1/4W J	1	C060047363050S	
R191	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R192	CHIP THICK 43 kohm 1/16W J	1	C20004336M160S	
R193	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R194	CHIP THICK 43 kohm 1/16W J	1	C20004336M160S	
R195	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R196	CHIP THICK 33 kohm 1/16W J	1	C20003336M160S	
R197	CHIP THICK 2.2 kohm 1/16W J	1	C20002226M160S	
R198	CHIP THICK 51 kohm 1/16W J	1	C20005136M160S	
R199/R200	CARBON FILM 51 kohm 1/5W J	2	C00005136P520S	
R201-R203	CHIP THICK 27 kohm 1/16W J	3	C20002736M160S	
R205-R208	METAL FILM 100PPM 0.22 ohm 1W J	4	C060R22065050S	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
R209	CHIP THICK 100 ohm 1/16W J	1	C20001016M160S	
R210	CHIP THICK 33 kohm 1/16W J	1	C20003336M160S	
R211	CARBON FILM 1 kohm 1/5W J	1	C00001026P520S	
R212	CARBON FILM 10 kohm 1/5W J	1	C00001036P520S	
R213	CARBON FILM 1 kohm 1/5W J	1	C00001026P520S	
R214	CARBON FILM 33 kohm 1/5W J	1	C00003336P520S	
R215	CARBON FILM 47 kohm 1/5W J	1	C00004736P520S	G
R215	CARBON FILM 100 kohm 1/5W J	1	C00001046P520S	C/E
R215	CARBON FILM 220 kohm 1/5W J	1	C00002246P520S	K
R216	CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	
R217	CARBON FILM 10 kohm 1/5W J	1	C00001036P520S	
R219	CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	
R220	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R221	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R222	CHIP THICK 220 kohm 1/16W J	1	C20002246M160S	
R223	CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	
R224	CARBON FILM 33 kohm 1/5W J	1	C00003336P520S	
R225	CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	
R226/R227	CHIP THICK 4.7 kohm 1/16W J	2	C20004726M160S	
R228	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R229/R230	CHIP THICK 100 ohm 1/16W J	2	C20001016M160S	
R231/R232	CHIP THICK 33 kohm 1/16W J	2	C20003336M160S	
R233	CHIP THICK 47 ohm 1/16W J	1	C20004706M160S	
R234	CHIP THICK 220 kohm 1/16W J	1	C20002246M160S	
R235	CARBON FILM 10 kohm 1/5W J	1	C00001036P520S	
R236	CHIP THICK 47 ohm 1/16W J	1	C20004706M160S	
R237	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R238	CARBON FILM 1 kohm 1/5W J	1	C00001026P520S	
R239	CARBON FILM 3.3 kohm 1/5W J	1	C00003326P520S	
R240	CARBON FILM 33 kohm 1/5W J	1	C00003336P520S	
R242	CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	
R243	CARBON FILM 10 kohm 1/5W J	1	C00001036P520S	
R244	CHIP THICK 1 kohm 1/16W J	1	C20001026M160S	
R251/R252	CHIP THICK 75 ohm 1/16W J	2	C20007506M160S	
R254	CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	
R255	CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	
R256	CHIP THICK 390 ohm 1/16W J	1	C20003916M160S	
R257	CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	
R258	CHIP THICK 22 kohm 1/16W J	1	C20002236M160S	
R259	CHIP THICK 390 ohm 1/16W J	1	C20003916M160S	
R260	CHIP THICK 3.3 kohm 1/16W J	1	C20003326M160S	
R261/R262	CHIP THICK 330 ohm 1/16W J	2	C20003316M160S	
R263	CARBON FILM 4.7 ohm 1/5W J	1	C0004R706P520S	
R265	CARBON FILM 47 ohm 1/5W J	1	C00004706P520S	
R266/R267	CHIP THICK 47 ohm 1/16W J	2	C20004706M160S	
R268/R269	CARBON FILM 47 ohm 1/5W J	2	C00004706P520S	
R270-R274	CHIP THICK 47 ohm 1/16W J	5	C20004706M160S	
R275	CHIP THICK 3.3 kohm 1/16W J	1	C20003326M160S	
	MISCELLANEOUS			
BD101/BD102	RECTIFIER, KBPC604 6A	2	K047604000020S	
GND101	TERMINAL	1	3790040886000S	
J101-J133	CN,WIRE 1P	33	L045084006040S	
J136-J166	CN,WIRE 1P	31	L045084006040S	
J167	CHIP THICK 0 ohm 1/8W J	1	C200000061300S	
J168-J170	CN,WIRE 1P	3	L045084006040S	
J171	CHIP THICK 0 ohm 1/8W J	1	C200000061300S	
J172-J204	CN,WIRE 1P	33	L045084006040S	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
J205	CHIP THICK 0 ohm 1/8W J	1	C200000061300S	
J206	CN,WIRE 1P	1	L045084006040S	
J207	CHIP THICK 0 ohm 1/8W J	1	C200000061300S	
J208-J233	CN,WIRE 1P	25	L045084006040S	
J234	CHIP THICK 0 ohm 1/8W J	1	C200000061300S	
J235-J255	CN,WIRE 1P	21	L045084006040S	
J256	CHIP THICK 0 ohm 1/8W J	1	C200000061300S	
J257-J269	CN,WIRE 1P	13	L045084006040S	
J294-J296	CN,WIRE 1P	3	L045084006040S	
J297/J298	CHIP THICK 0 ohm 1/8W J	2	C200000061300S	
J299	CHIP THICK 0 ohm 1/16W J	1	C20000006M160S	
J300-J302	CN,WIRE 1P	3	L045084006040S	
J303	CHIP THICK 0 ohm 1/16W J	1	C20000006M160S	
J305	CHIP THICK 0 ohm 1/8W J	1	C200000061300S	
J306/J307	CN,WIRE 1P	2	L045084006040S	
PACK101	TUNER,FM/AM	1	E903000000010S	A
PACK101	TUNER,FM/AM	1	E903104100010S	G
PACK101	TUNER,FM/AM	1	E903004100010S	C/E/K
RES101	RESONATOR, ZTT10.00MT	1	E830100000060S	
RLY101-RLY104	RELAY, DC12V 5A	4	G680120502040S	
	HEAT SINK. REG TR(24X60)	1	2120044308010S	
	SCREW, +2S 3*8 B-TYPE ZNW/BH	1	B020030081B10S	
PCB1-1	**ASSEMBLY P.C.BOARD GUIDE1**			
CLAMP201	CLAMP	1	4330000120000S	
J270-J273	CN,WIRE 1P	4	L045084006040S	
J278-J281	CN,WIRE 1P	4	L045084006040S	
PCB1-2	**ASSEMBLY P.C.BOARD GUIDE2**			
CLAMP301	CLAMP	1	4330000120000S	
J286-J293	CN,WIRE 1P	8	L045084006040S	
PCB1-3	**ASSEMBLY P.C.BOARD GUIDE3**			
CLAMP401	CLAMP	1	4330000120000S	
J274-J277	CN,WIRE 1P	4	L045084006040S	
J282-J285	CN,WIRE 1P	4	L045084006040S	
PCB2	**ASSEMBLY P.C.BOARD FRONT**		**7025HK0602012**	**A**
PCB2	**ASSEMBLY P.C.BOARD FRONT**		**7025HK0602062**	**G**
PCB2	**ASSEMBLY P.C.BOARD FRONT**		**7025HK0602072**	**E**
PCB2	**ASSEMBLY P.C.BOARD FRONT**		**7025HK0602032**	**C**
PCB2	**ASSEMBLY P.C.BOARD FRONT**		**7025HK0602052**	**K**
	CAPACITORS			
C701/C702	CERAMIC CHIP HIK 820 pF 50V K	2	D011821777160S	
C703	ELECT GE 85C 47 uF 16V M	1	D040470083080S	
C704	CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	
C705/C706	CERAMIC CHIP HIK 820 pF 50V K	2	D011821777160S	
C707	FILM POLYESTER 0.047 uF 100V J	1	D02047306C060S	
C708/C709	ELECT GE 85C 10 uF 50V M	2	D040100087070S	
C710	FILM POLYESTER 0.047 uF 100V J	1	D02047306C060S	
C713L/R	CERAMIC CHIP T.C 470 pF 50V J	2	D010471167160S	
C714/C715	CERAMIC HIK AXIAL 0.1 uF 50V Z	2	D005104597530S	
C717	ELECT GE 85C 47 uF 16V M	1	D040470083080S	
C719	CERAMIC CHIP HIK 0.1 uF 50V Z	1	D011104597160S	
C721	ELECT GE 85C 1 uF 50V M	1	D040010087150S	
C726-C728	CERAMIC CHIP HIK 0.01 uF 50V K	3	D011103777160S	
C731	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C734	ELECT GE 85C 1 uF 50V M	1	D040010087150S	
C735L/R	ELECT GE 85C 10 uF 50V M	2	D040100087070S	
C743-C745	CERAMIC CHIP T.C 100 pF 50V J	3	D010101167160S	
	COILS			

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
CB701/CB702	BEAD COIL, MB-160808-0120H	2	D3401608000060S	
L700	INDUCTOR COIL, 100UH	1	D3301010010020S	
L702	INDUCTOR COIL, 10UH	1	D3301007005020S	
L703/L704	INDUCTOR COIL, 2.2UH	2	D3302R2001020S	
	CONNECTORS			
CN701	CN,WIRE 80MM (3P)	1	L0008000301305	
CN707	CN,WIRE 250MM (5P)	1	L0002510500705	
CP704	CN.WAFER 2.5MM (3P)	1	L1025268030105	
FPC700	CN.FPC 1.25MM (17P)	1	L1311017000105	
	DIODES			
D701/D702	1N4148W, SWITCHING CHIP	2	K005041480205	
DZ705	0.2W 7.5V , ZENER CHIP	1	K06607R54P405	
	TRANSISTORS			
Q701/Q702	KRC105S(NE), NPN	2	J5220105002105	
Q703	KRA105S(PE), PNP	1	J5200105002105	
Q704	KRC105S(NE), NPN	1	J5220105002105	
	RESISTORS			
R702/R703	CHIP THICK 68 kohm 1/16W J	2	C20006836M160S	
R704-R731	CHIP THICK 56 kohm 1/16W J	28	C20005636M160S	
R732/R733	CHIP THICK 68 kohm 1/16W J	2	C20006836M160S	
R736	CHIP THICK 8.2 kohm 1/16W J	1	C20008226M160S	
R737	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R738	CHIP THICK 8.2 kohm 1/16W J	1	C20008226M160S	
R739/R740	CHIP THICK 470 ohm 1/16W J	2	C20004716M160S	
R741/R742	CHIP THICK 4.7 kohm 1/16W J	2	C20004726M160S	
R743	CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	
R744/R745	CHIP THICK 3.3 kohm 1/16W J	2	C20003326M160S	
R746	CHIP THICK 100 ohm 1/16W J	1	C20001016M160S	
R747	CHIP THICK 3.3 kohm 1/16W J	1	C20003326M160S	
R748	CHIP THICK 200 ohm 1/16W J	1	C20002016M160S	
R749-R751	CHIP THICK 2.2 kohm 1/16W J	3	C20002226M160S	
R752-R754	CHIP THICK 1.5 kohm 1/16W J	3	C20001526M160S	
R755-R757	CHIP THICK 1 kohm 1/16W J	3	C20001026M160S	
R771	CHIP THICK 15 kohm 1/16W J	1	C20001536M160S	
R774	CHIP THICK 470 ohm 1/16W J	1	C20004716M160S	
R782L/R	CHIP THICK 220 kohm 1/16W J	2	C20002246M160S	
R784L/R	CHIP THICK 470 ohm 1/16W J	2	C20004716M160S	
	MISCELLANEOUS			
IC701	PT6315, LINEAR-DRIVER	1	J1276315000105	
J701/J702	CN,WIRE 1P	2	L0450840060405	
J705-J708	CN,WIRE 1P	4	L0450840060405	
J710/J711	CN,WIRE 1P	2	L0450840060405	
J713	CN,WIRE 1P	1	L0450840060405	
J715/J716	CN,WIRE 1P	2	L0450840060405	
J719-J729	CN,WIRE 1P	11	L0450840060405	
JACK700	TER,RCA 3PIN	1	G6060403200005	
LED701/LED702	LED	2	K5000320001505	
RMC701	MODULE, NJL34H380A	1	E9403438000105	
SW701-SW719	SW,TACT (SKHV10920A)	19	G1800002700105	
VR701	SW,ENCODER	1	G1211230700105	
WIRE701	RING,TER WIRE 100MM (1P)	1	8410101010160S	
	HOLDER FL	1	432004078301AS	
	DISPLAY, FLT	1	K5301213000105	
PCB2-1	**ASSEMBLY P.C.BOARD MULTI JOG**			
CB703	BEAD COIL, MB-160808-0120H	1	D3401608000605	
VR702	SW, ENCODER	1	G1211230500105	
	CERAMIC HIK AXIAL 0.01 uF 16V M	1	D0051037735305	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
PCB2-2	**ASSEMBLY P.C.BOARD AUX**			
C718L/R	CERAMIC CHIP T.C 470 pF 50V J	2	D0104711671605	
C739/C740	CERAMIC CHIP HIK 0.01 uF 50V K	2	D0111037771605	
C746L/R	ELECT GE 85C 10 uF 16V M	2	D0401000835005	
C747L/R	ELECT GE 85C 10 uF 16V M	2	D0401000835005	
C749L/R	CERAMIC CHIP T.C 470 pF 50V J	2	D0104711671605	
CB704-CB706	BEAD COIL, MB-160808-0120H	3	D3401608000605	
CN708	CN,WIRE 480MM (7P)	1	L0004810700205	
D703-D706	1N4148W, SWITCHING	4	K005041480205	
JACK703	JACK,D3.5	1	G4010351800505	
JACK704	JACK,D3.5	1	G4010351800505	
R777L/R	CHIP THICK 470 ohm 1/16W J	2	C20004716M160S	
R778L/R	CHIP THICK 470 ohm 1/16W J	2	C20004716M160S	
R781L/R	CHIP THICK 220 kohm 1/16W J	2	C20002246M160S	
R783L/R	CHIP THICK 220 kohm 1/16W J	2	C20002246M160S	
PCB2-3	**ASSEMBLY P.C.BOARD HEAD PHONE**			
C712L/R	CERAMIC CHIP HIK 0.01 uF 50V Z	2	D0111035971605	
CB707	BEAD COIL, MB-160808-0120H	1	D3401608000605	
CN702	CN,WIRE 380MM/4P	1	L0003810400105	
JACK705	JACK,D6.5	1	G4020401613305	
	CERAMIC HIK AXIAL 0.01 uF 16V M	1	D0051037735305	
PCB2-4	**ASSEMBLY P.C.BOARD POWER SW**			
CN709	CN,WIRE 420MM (2P)	1	L0004210200205	
SW700	SW, PUSH	1	G0001220060605	
PCB3	**ASSEMBLY P.C.BOARD DSP**		**7025HK0602013**	**A**
PCB3	**ASSEMBLY P.C.BOARD DSP**		**7025HK0602063**	**G**
PCB3	**ASSEMBLY P.C.BOARD DSP**		**7025HK0602073**	**E**
PCB3	**ASSEMBLY P.C.BOARD DSP**		**7025HK0602033**	**C**
PCB3	**ASSEMBLY P.C.BOARD DSP**		**7025HK0602053**	**K**
	CAPACITORS			
C401	CERAMIC CHIP T.C 100 pF 50V J	1	D0101011671605	
C402	ELECT GE 85C 100 uF 10V M	1	D0401010820705	
C403	ELECT GE 85C 47 uF 16V M	1	D0404700830805	
C405	CERAMIC CHIP HIK 0.01 uF 50V K	1	D0111037771605	
C406	CERAMIC CHIP HIK 0.1 uF 50V Z	1	D0111045971605	
C407	CERAMIC CHIP T.C 100 pF 50V J	1	D0101011671605	
C408	ELECT GE 85C 0.1 uF 50V M	1	D040R10087080S	
C409	CERAMIC CHIP HIK 0.1 uF 50V Z	1	D0111045971605	
C410	CERAMIC CHIP T.C 22 pF 50V J	1	D0102201671605	
C411/C412	CERAMIC CHIP HIK 0.01 uF 50V K	2	D0111037771605	
C413	CERAMIC CHIP T.C 220 pF 50V J	1	D0102211671605	
C414	CERAMIC CHIP HIK 0.1 uF 50V Z	1	D0111045971605	
C415	ELECT GE 85C 47 uF 16V M	1	D0404700830805	
C416	CERAMIC CHIP HIK 0.01 uF 50V K	1	D0111037771605	
C417	ELECT GE 85C 220 uF 10V M	1	D0402210820905	
C418	CERAMIC CHIP T.C 22 pF 50V J	1	D0102201671605	
C419	CERAMIC CHIP HIK 0.01 uF 50V K	1	D0111037771605	
C420	ELECT GE 85C 2.2 uF 50V M	1	D0402R2087160S	
C421/C422	CERAMIC CHIP T.C 100 pF 50V J	2	D0101011671605	
C423	ELECT GE 85C 10 uF 50V M	1	D0401000870705	
C424	ELECT GE 85C 1 uF 50V M	1	D0400100871505	
C425/C426	CERAMIC CHIP T.C 27 pF 50V J	2	D0102701671605	
C427	CERAMIC CHIP HIK 0.01 uF 50V K	1	D0111037771605	
C429/C430	ELECT GE 85C 1 uF 50V M	2	D0400100871505	
C432	ELECT GE 85C 220 uF 10V M	1	D0402210820905	
C433	CERAMIC CHIP HIK 0.01 uF 50V K	1	D0111037771605	
C434	ELECT GE 85C 10 uF 50V M	1	D0401000870705	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
C435/C436	CERAMIC CHIP HIK 0.01 uF 50V K	2	D0111037771605	
C437	ELECT GE 85C 100 uF 10V M	1	D0401010820705	
C438/C439	ELECT GE 85C 10 uF 50V M	2	D0401000870705	
C440	CERAMIC CHIP HIK 0.01 uF 50V K	1	D0111037771605	
C441	ELECT GE 85C 220 uF 10V M	1	D0402210820905	
C442	CERAMIC CHIP HIK 1000 pF 50V K	1	D0111027771605	
C443	CERAMIC CHIP HIK 0.01 uF 50V K	1	D0111037771605	
C444/C445	CERAMIC CHIP T.C 100 pF 50V J	2	D0101011671605	
C446/C447	CERAMIC CHIP T.C 220 pF 50V J	2	D0102211671605	
C448	CERAMIC CHIP HIK 0.01 uF 50V K	1	D0111037771605	
C449	ELECT GE 85C 100 uF 10V M	1	D0401010820705	
C450/C451	CERAMIC CHIP HIK 0.01 uF 50V K	2	D0111037771605	
C453	CERAMIC CHIP T.C 100 pF 50V J	1	D0101011671605	
C454	ELECT GE 85C 0.1 uF 50V M	1	D040R10087080S	
C455	CERAMIC CHIP HIK 0.1 uF 50V Z	1	D0111045971605	
C457-C460	CERAMIC CHIP T.C 100 pF 50V J	4	D0101011671605	
C469	CERAMIC CHIP T.C 100 pF 50V J	1	D0101011671605	
C452	CERAMIC CHIP HIK 0.047 uF 50V Z	1	D0114735971605	
	COILS			
CB401-CB426	BEAD COIL, MB-160808-0120H	26	D3401608000605	
L301	INDUCTOR COIL, 22UH	1	D3302200105205	
L302	INDUCTOR COIL, 10UH	1	D3301007005205	
L303/L304	INDUCTOR COIL, 22UH	2	D3302200105205	
L401/L402	INDUCTOR COIL, 2.2UH	2	D3302R2000150S	
	CONNECTORS			
CN401	CN.WAFER 2.0MM (18P)	1	L1011000318105	
CN402	CN.WAFER 2.0MM (12P)	1	L1011000312105	
	DIODES			
D401-D404	1N4148W, SWITCHING	4	K005041480205	
	INTEGRATED CIRCUITS			
IC401	AK4588, ANALOG	1	J0804588000105	
IC402	CS493264, ANALOG	1	J0804932600405	
IC403	LM1117S-3.35V, LINEAR-REGULATOR	1	J1261117330305	
IC404	LM1117S-2.5V, LINEAR-REGULATOR	1	J1261117250305	
IC405	LM1117S-5.0V, LINEAR-REGULATOR	1	J1261117500305	
IC406	74VHCU04, LOGIC	1	J0407404002705	
	RESISTORS			
R401	CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	
R403	CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	
R404	CHIP THICK 100 ohm 1/16W J	1	C20001016M160S	
R405	CHIP THICK 12 kohm 1/16W J	1	C20001236M160S	
R406/R407	CHIP THICK 10 kohm 1/16W J	2	C20001036M160S	
R408	CHIP THICK 100 ohm 1/16W J	1	C20001016M160S	
R409	CHIP THICK 75 ohm 1/16W J	1	C20007506M160S	
R410	CHIP THICK 1 Mohm 1/16W J	1	C20001056M160S	
R411	CHIP THICK 47 ohm 1/16W J	1	C20004706M160S	
R412/R413	CHIP THICK 10 kohm 1/16W J	2	C20001036M160S	
R414	CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	
R417/R418	CHIP THICK 10 kohm 1/16W J	2	C20001036M160S	
R419	CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	
R420	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R421	CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	
R422	CHIP THICK 2.2 kohm 1/16W J	1	C20002226M160S	
R423	CHIP THICK 100 kohm 1/16W J	1	C20001046M160S	
R424	CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	
R425	CHIP THICK 2.2 kohm 1/16W J	1	C20002226M160S	
R431	CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
R436	CHIP THICK 47 ohm 1/16W J	1	C20004706M160S	
R438-R449	CHIP THICK 47 ohm 1/16W J	12	C20004706M160S	
R450C	CHIP THICK 100 ohm 1/16W J	1	C20001016M160S	
R450FL	CHIP THICK 100 ohm 1/16W J	1	C20001016M160S	
R450FR	CHIP THICK 100 ohm 1/16W J	1	C20001016M160S	
R450SL	CHIP THICK 100 ohm 1/16W J	1	C20001016M160S	
R450SR	CHIP THICK 100 ohm 1/16W J	1	C20001016M160S	
R450SW	CHIP THICK 100 ohm 1/16W J	1	C20001016M160S	
R465	METAL FILM 100PPM 10 ohm 1W J	1	C060010065050S	
R466	METAL FILM 100PPM 10 ohm 2W J	1	C060010066050S	
R467	CHIP THICK 100 ohm 1/16W J	1	C20001016M160S	
R468	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R470	CHIP THICK 200 kohm 1/16W J	1	C20002046M160S	
R471/R472	CHIP THICK 4.7 kohm 1/16W J	2	C20004726M160S	
R473	CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	
R474	CHIP THICK 47 ohm 1/16W J	1	C20004706M160S	
R475/R476	CHIP THICK 4.7 kohm 1/16W J	2	C20004726M160S	
R477	CHIP THICK 47 ohm 1/16W J	1	C20004706M160S	
R478	CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	
R479/R480	CHIP THICK 47 ohm 1/16W J	2	C20004706M160S	
R482	CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	
R483/R484	CHIP THICK 100 ohm 1/16W J	2	C20001016M160S	
R486	CHIP THICK 4.7 kohm 1/16W J	1	C20004726M160S	
R492/R493	CHIP THICK 330 ohm 1/16W J	2	C20003316M160S	
R494-R497	CHIP THICK 47 ohm 1/16W J	4	C20004706M160S	
R499	CHIP THICK 330 ohm 1/16W J	1	C20003316M160S	
	MISCELLANEOUS			
Q414	KRC105S(NE), NPN	1	J5220105002105	
XTAL401	CRYSTAL, 12.288MHz	1	E80012R288080S	
JACK401	MODULE, JSR1165-C /OPTICAL	1	E100116500040S	
JACK402	TER,RCA 2PIN	1	G601206A0200YS	
PCB4	**ASSEMBLY P.C.BOARD AMP**		**7025HK0602011**	**A**
PCB4	**ASSEMBLY P.C.BOARD AMP**		**7025HK0602031**	**C**
PCB4	**ASSEMBLY P.C.BOARD AMP**		**7025HK0602051**	**K**
PCB4	**ASSEMBLY P.C.BOARD AMP**		**7025HK0602061**	**G**
PCB4	**ASSEMBLY P.C.BOARD AMP**		**7025HK0602071**	**E**
	CAPACITORS			
C201C	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C201FL	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C201FR	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C201SL	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C201SR	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C202C	CERAMIC HIK AXIAL 680 pF 50V K	1	D005681177520S	
C202FL	CERAMIC HIK AXIAL 680 pF 50V K	1	D005681177520S	
C202FR	CERAMIC HIK AXIAL 680 pF 50V K	1	D005681177520S	
C202SL	CERAMIC HIK AXIAL 680 pF 50V K	1	D005681177520S	
C202SR	CERAMIC HIK AXIAL 680 pF 50V K	1	D005681177520S	
C203C	CERAMIC-UNKNOWN 220 pF 500V	1	D009092212500S	
C203FL	CERAMIC-UNKNOWN 220 pF 500V	1	D009092212500S	
C203FR	CERAMIC-UNKNOWN 220 pF 500V	1	D009092212500S	
C203SL	CERAMIC-UNKNOWN 220 pF 500V	1	D009092212500S	
C203SR	CERAMIC-UNKNOWN 220 pF 500V	1	D009092212500S	
C204C	CERAMIC T.C DISC 33 pF 500V J	1	D00033006D050S	
C204FL	CERAMIC T.C DISC 33 pF 500V J	1	D00033006D050S	
C204FR	CERAMIC T.C DISC 33 pF 500V J	1	D00033006D050S	
C204SL	CERAMIC T.C DISC 33 pF 500V J	1	D00033006D050S	
C204SR	CERAMIC T.C DISC 33 pF 500V J	1	D00033006D050S	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
C205C	ELECT GE 85C 100 uF 10V M	1	D040101082090S	
C205FL	ELECT GE 85C 100 uF 10V M	1	D040101082090S	
C205FR	ELECT GE 85C 100 uF 10V M	1	D040101082090S	
C205SL	ELECT GE 85C 100 uF 10V M	1	D040101082090S	
C205SR	ELECT GE 85C 100 uF 10V M	1	D040101082090S	
C206C	CERAMIC HIK AXIAL 0.001 uF 50V K	1	D005102177530S	
C206FL	CERAMIC HIK AXIAL 0.001 uF 50V K	1	D005102177530S	
C206FR	CERAMIC HIK AXIAL 0.001 uF 50V K	1	D005102177530S	
C206SL	CERAMIC HIK AXIAL 0.001 uF 50V K	1	D005102177530S	
C206SR	CERAMIC HIK AXIAL 0.001 uF 50V K	1	D005102177530S	
C207C	ELECT GE 85C 47 uF 50V M	1	D040470087070S	
C207FL	ELECT GE 85C 47 uF 50V M	1	D040470087070S	
C207FR	ELECT GE 85C 47 uF 50V M	1	D040470087070S	
C207SL	ELECT GE 85C 47 uF 50V M	1	D040470087070S	
C207SR	ELECT GE 85C 47 uF 50V M	1	D040470087070S	
C208C	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C208FL	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C208FR	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C208SL	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C208SR	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C209C	CERAMIC HIK DISC 100 pF 500V K	1	D00410106D050S	
C209FL	CERAMIC HIK DISC 100 pF 500V K	1	D00410106D050S	
C209FR	CERAMIC HIK DISC 100 pF 500V K	1	D00410106D050S	
C209SL	CERAMIC HIK DISC 100 pF 500V K	1	D00410106D050S	
C209SR	CERAMIC HIK DISC 100 pF 500V K	1	D00410106D050S	
C210C	CERAMIC HIK DISC 100 pF 500V K	1	D00410106D050S	
C210FL	CERAMIC HIK DISC 100 pF 500V K	1	D00410106D050S	
C210FR	CERAMIC HIK DISC 100 pF 500V K	1	D00410106D050S	
C210SL	CERAMIC HIK DISC 100 pF 500V K	1	D00410106D050S	
C210SR	CERAMIC HIK DISC 100 pF 500V K	1	D00410106D050S	
C211C	CERAMIC HIK AXIAL 0.022 uF 25V Z	1	D005223594520S	
C211FL	CERAMIC HIK AXIAL 0.022 uF 25V Z	1	D005223594520S	
C211FR	CERAMIC HIK AXIAL 0.022 uF 25V Z	1	D005223594520S	
C211SL	CERAMIC HIK AXIAL 0.022 uF 25V Z	1	D005223594520S	
C211SR	CERAMIC HIK AXIAL 0.022 uF 25V Z	1	D005223594520S	
C212	ELECT GE 85C 10 uF 100V M	1	D04010008C050S	
	CONNECTORS			
CN101	CN,WIRE 100MM (10P)	1	L000101100060S	
CN102	CN,WIRE 80MM (12P)	1	L000800120050S	
	DIODES			
D201C	1SS133T, SWITCHING	1	K000013300520S	
D201FL	1SS133T, SWITCHING	1	K000013300520S	
D201FR	1SS133T, SWITCHING	1	K000013300520S	
D201SL	1SS133T, SWITCHING	1	K000013300520S	
D201SR	1SS133T, SWITCHING	1	K000013300520S	
	COILS			
L201C	INDUCTOR COIL, 1.0 PI*2UEW	1	D330900001330S	
L201FL	INDUCTOR COIL, 1.0 PI*2UEW	1	D330900001330S	
L201FR	INDUCTOR COIL, 1.0 PI*2UEW	1	D330900001330S	
L201SL	INDUCTOR COIL, 1.0 PI*2UEW	1	D330900001330S	
L201SR	INDUCTOR COIL, 1.0 PI*2UEW	1	D330900001330S	
	TRANSISTORS			
Q201C	KSA992F, PNP	1	J5000992F0050S	
Q201FL	KSA992F, PNP	1	J5000992F0050S	
Q201FR	KSA992F, PNP	1	J5000992F0050S	
Q201SL	KSA992F, PNP	1	J5000992F0050S	
Q201SR	KSA992F, PNP	1	J5000992F0050S	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
Q202C	KSA992F, PNP	1	J5000992F0050S	
Q202FL	KSA992F, PNP	1	J5000992F0050S	
Q202FR	KSA992F, PNP	1	J5000992F0050S	
Q202SL	KSA992F, PNP	1	J5000992F0050S	
Q202SR	KSA992F, PNP	1	J5000992F0050S	
Q203C	KSC1845F, NPN	1	J5021845F0000S	
Q203FL	KSC1845F, NPN	1	J5021845F0000S	
Q203FR	KSC1845F, NPN	1	J5021845F0000S	
Q203SL	KSC1845F, NPN	1	J5021845F0000S	
Q203SR	KSC1845F, NPN	1	J5021845F0000S	
Q207C	KSC1845F, NPN	1	J5021845F0000S	
Q207FL	KSC1845F, NPN	1	J5021845F0000S	
Q207FR	KSC1845F, NPN	1	J5021845F0000S	
Q207SL	KSC1845F, NPN	1	J5021845F0000S	
Q207SR	KSC1845F, NPN	1	J5021845F0000S	
	RESISTORS			
R201C	CARBON FILM 220 ohm 1/5W J	1	C00002216P520S	
R201FL	CARBON FILM 220 ohm 1/5W J	1	C00002216P520S	
R201FR	CARBON FILM 220 ohm 1/5W J	1	C00002216P520S	
R201SL	CARBON FILM 220 ohm 1/5W J	1	C00002216P520S	
R201SR	CARBON FILM 220 ohm 1/5W J	1	C00002216P520S	
R203C	CARBON FILM 7.5 kohm 1/5W J	1	C00007526P520S	
R203FL	CARBON FILM 7.5 kohm 1/5W J	1	C00007526P520S	
R203FR	CARBON FILM 7.5 kohm 1/5W J	1	C00007526P520S	
R203SL	CARBON FILM 7.5 kohm 1/5W J	1	C00007526P520S	
R203SR	CARBON FILM 7.5 kohm 1/5W J	1	C00007526P520S	
R204C	CARBON FILM 39 kohm 1/5W J	1	C00003936P520S	
R204FL	CARBON FILM 39 kohm 1/5W J	1	C00003936P520S	
R204FR	CARBON FILM 39 kohm 1/5W J	1	C00003936P520S	
R204SL	CARBON FILM 39 kohm 1/5W J	1	C00003936P520S	
R204SR	CARBON FILM 39 kohm 1/5W J	1	C00003936P520S	
R205C	CARBON FILM 470 kohm 1/5W J	1	C00004746P520S	
R205FL	CARBON FILM 470 kohm 1/5W J	1	C00004746P520S	
R205FR	CARBON FILM 470 kohm 1/5W J	1	C00004746P520S	
R205SL	CARBON FILM 470 kohm 1/5W J	1	C00004746P520S	
R205SR	CARBON FILM 470 kohm 1/5W J	1	C00004746P520S	
R206C	CARBON FILM 33 kohm 1/5W J	1	C00003336P520S	
R206FL	CARBON FILM 33 kohm 1/5W J	1	C00003336P520S	
R206FR	CARBON FILM 33 kohm 1/5W J	1	C00003336P520S	
R206SL	CARBON FILM 33 kohm 1/5W J	1	C00003336P520S	
R206SR	CARBON FILM 33 kohm 1/5W J	1	C00003336P520S	
R207C	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R207FL	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R207FR	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R207SL	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R207SR	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R208C	CARBON FILM 47 kohm 1/5W J	1	C00004736P520S	
R208FL	CARBON FILM 47 kohm 1/5W J	1	C00004736P520S	
R208FR	CARBON FILM 47 kohm 1/5W J	1	C00004736P520S	
R208SL	CARBON FILM 47 kohm 1/5W J	1	C00004736P520S	
R208SR	CARBON FILM 47 kohm 1/5W J	1	C00004736P520S	
R209C	CARBON FILM 1.2 kohm 1/5W J	1	C00001226P520S	
R209FL	CARBON FILM 1.2 kohm 1/5W J	1	C00001226P520S	
R209FR	CARBON FILM 1.2 kohm 1/5W J	1	C00001226P520S	
R209SL	CARBON FILM 1.2 kohm 1/5W J	1	C00001226P520S	
R209SR	CARBON FILM 1.2 kohm 1/5W J	1	C00001226P520S	
R210C	CARBON FILM 470 ohm 1/5W J	1	C00004716P520S	

Model No.: RD-6502

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
R210FL	CARBON FILM 470 ohm 1/5W J	1	C00004716P520S	
R210FR	CARBON FILM 470 ohm 1/5W J	1	C00004716P520S	
R210SL	CARBON FILM 470 ohm 1/5W J	1	C00004716P520S	
R210SR	CARBON FILM 470 ohm 1/5W J	1	C00004716P520S	
R211C	METAL FILM 100PPM 47 ohm 1/4W J	1	C060047063050S	
R211FL	METAL FILM 100PPM 47 ohm 1/4W J	1	C060047063050S	
R211FR	METAL FILM 100PPM 47 ohm 1/4W J	1	C060047063050S	
R211SL	METAL FILM 100PPM 47 ohm 1/4W J	1	C060047063050S	
R211SR	METAL FILM 100PPM 47 ohm 1/4W J	1	C060047063050S	
R212C	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R212FL	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R212FR	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R212SL	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R212SR	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R213C	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R213FL	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R213FR	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R213SL	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R213SR	CARBON FILM 1.5 kohm 1/5W J	1	C00001526P520S	
R214C	CARBON FILM 2.7 kohm 1/5W J	1	C00002726P520S	
R214FL	CARBON FILM 2.7 kohm 1/5W J	1	C00002726P520S	
R214FR	CARBON FILM 2.7 kohm 1/5W J	1	C00002726P520S	
R214SL	CARBON FILM 2.7 kohm 1/5W J	1	C00002726P520S	
R214SR	CARBON FILM 2.7 kohm 1/5W J	1	C00002726P520S	
R216C	METAL FILM 100PPM 5.6 kohm 1W J	1	C060056265050S	
R216FL	METAL FILM 100PPM 5.6 kohm 1W J	1	C060056265050S	
R216FR	METAL FILM 100PPM 5.6 kohm 1W J	1	C060056265050S	
R216SL	METAL FILM 100PPM 5.6 kohm 1W J	1	C060056265050S	
R216SR	METAL FILM 100PPM 5.6 kohm 1W J	1	C060056265050S	
R217C	METAL FILM 100PPM 5.6 kohm 1W J	1	C060056265050S	
R217FL	METAL FILM 100PPM 5.6 kohm 1W J	1	C060056265050S	
R217FR	METAL FILM 100PPM 5.6 kohm 1W J	1	C060056265050S	
R217SL	METAL FILM 100PPM 5.6 kohm 1W J	1	C060056265050S	
R217SR	METAL FILM 100PPM 5.6 kohm 1W J	1	C060056265050S	
R218C	METAL FILM 100PPM 4.7 ohm 1/4W J	1	C0604R7063050S	
R218FL	METAL FILM 100PPM 4.7 ohm 1/4W J	1	C0604R7063050S	
R218FR	METAL FILM 100PPM 4.7 ohm 1/4W J	1	C0604R7063050S	
R218SL	METAL FILM 100PPM 4.7 ohm 1/4W J	1	C0604R7063050S	
R218SR	METAL FILM 100PPM 4.7 ohm 1/4W J	1	C0604R7063050S	
R219C	METAL FILM 100PPM 4.7 ohm 1/4W J	1	C0604R7063050S	
R219FL	METAL FILM 100PPM 4.7 ohm 1/4W J	1	C0604R7063050S	
R219FR	METAL FILM 100PPM 4.7 ohm 1/4W J	1	C0604R7063050S	
R219SL	METAL FILM 100PPM 4.7 ohm 1/4W J	1	C0604R7063050S	
R219SR	METAL FILM 100PPM 4.7 ohm 1/4W J	1	C0604R7063050S	
R220C	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R220FL	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R220FR	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R220SL	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R220SR	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R221C	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R221FL	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R221FR	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R221SL	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R221SR	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R222C	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R222FL	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R222FR	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
R222SL	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R222SR	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R223C	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R223FL	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R223FR	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R223SL	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R223SR	METAL FILM 100PPM 0.22 ohm 1W J	1	C060R22065050S	
R224C	CARBON FILM 10 kohm 1/5W J	1	C00001036P520S	
R224FL	CARBON FILM 10 kohm 1/5W J	1	C00001036P520S	
R224FR	CARBON FILM 10 kohm 1/5W J	1	C00001036P520S	
R224SL	CARBON FILM 10 kohm 1/5W J	1	C00001036P520S	
R224SR	CARBON FILM 10 kohm 1/5W J	1	C00001036P520S	
R225C	CARBON FILM 330 kohm 1/5W J	1	C00003346P520S	
R225FL	CARBON FILM 330 kohm 1/5W J	1	C00003346P520S	
R225FR	CARBON FILM 330 kohm 1/5W J	1	C00003346P520S	
R225SL	CARBON FILM 330 kohm 1/5W J	1	C00003346P520S	
R225SR	CARBON FILM 330 kohm 1/5W J	1	C00003346P520S	
R226C	CARBON FILM 75 kohm 1/5W J	1	C00007536P520S	
R226FL	CARBON FILM 75 kohm 1/5W J	1	C00007536P520S	
R226FR	CARBON FILM 75 kohm 1/5W J	1	C00007536P520S	
R226SL	CARBON FILM 75 kohm 1/5W J	1	C00007536P520S	
R226SR	CARBON FILM 75 kohm 1/5W J	1	C00007536P520S	
R227C	CARBON FILM 2.2 kohm 1/5W J	1	C00002226P520S	
R227FL	CARBON FILM 2.2 kohm 1/5W J	1	C00002226P520S	
R227FR	CARBON FILM 2.2 kohm 1/5W J	1	C00002226P520S	
R227SL	CARBON FILM 2.2 kohm 1/5W J	1	C00002226P520S	
R227SR	CARBON FILM 2.2 kohm 1/5W J	1	C00002226P520S	
R228C	METAL FILM 100PPM 10 ohm 1W	1	C060010065520S	
R228FL	METAL FILM 100PPM 10 ohm 1W	1	C060010065520S	
R228FR	METAL FILM 100PPM 10 ohm 1W	1	C060010065520S	
R228SL	METAL FILM 100PPM 10 ohm 1W	1	C060010065520S	
R228SR	METAL FILM 100PPM 10 ohm 1W	1	C060010065520S	
R229	METAL FILM 100PPM 10 ohm 1W J	1	C060010065050S	
	MISCELLANEOUS			
J204	CN,WIRE 1P	1	L045084006040S	
J206	CN,WIRE 1P	1	L045084006040S	
J208	CN,WIRE 1P	1	L045084006040S	
J210-J214	CN,WIRE 1P	5	L045084006040S	
J216	CN,WIRE 1P	1	L045084006040S	
J218	CN,WIRE 1P	1	L045084006040S	
J222-J231	CN,WIRE 1P	10	L045084006040S	
J233/J234	CN,WIRE 1P	2	L045084006040S	
J238	CN,WIRE 1P	1	L045084006040S	
J240-J242	CN,WIRE 1P	3	L045084006040S	
J246-J253	CN,WIRE 1P	8	L045084006040S	
J255-J266	CN,WIRE 1P	12	L045084006040S	
J268/J269	CN,WIRE 1P	2	L045084006040S	
J271-J309	CN,WIRE 1P	39	L045084006040S	
J314/J315	CN,WIRE 1P	2	L045084006040S	
PCB5	**ASSEMBLY P.C.BOARD ST-BY**		**7025HK0602014**	**A**
PCB5	**ASSEMBLY P.C.BOARD ST-BY**		**7025HK0602034**	**C**
PCB5	**ASSEMBLY P.C.BOARD ST-BY**		**7025HK0602054**	**K**
PCB5	**ASSEMBLY P.C.BOARD ST-BY**		**7025HK0602064**	**G**
PCB5	**ASSEMBLY P.C.BOARD ST-BY**		**7025HK0602074**	**E**
C300	ELECT GE 85C 10 uF 50V M	1	D040100087070S	
C301	ELECT GE 85C 2200 uF 16V M	1	D040222083080S	
C302	ELECT GE 85C 0.68 uF 50V M	1	D040R68087050S	

REF No.	DESCRIPTION	Q'TY	PARTS No.	VER.
C304	CERAMIC AC(SAFETY) 0.0047UF 250VAC	1	D00847208H010S	
C315	ELECT GE 85C 1 uF 50V M	1	D040010087150S	
CN301	CN.FPC 1.25MM (7P)	1	L131007000010S	
CP304	CN.WAFER 7.92MM	1	L108353280270S	
CP305	CN.WAFER 7.92MM	1	L108353280260S	
CP306	CN.WAFER 7.92MM	1	L108202000220S	
D302-D304	1N4148W, SWITCHING CHIP	3	K005041480020S	
D305-D308	1N4007, SWITCHING	4	K000400700010S	
F300/F301	FUSE, T6.3A /250V	2	N751226301110S	A
F300/F301	FUSE, T4A/250V	2	N751224001110S	G
F300A/B	HOLDER, FUSE CLIP	2	G645000050010S	A/G
F301	FUSE, T4A/250V	1	N751224001110S	C/E/K
F301A/B	HOLDER, FUSE CLIP	2	G645000050010S	A/G
F301A/B	HOLDER, FUSE CLIP	2	G645000050010S	C/E/K
GT301	TERMINAL	1	3790040886000S	
IC300	LM1117S, LINEAR-REGULATOR	1	J126111733030S	
J301-J303	CN,WIRE 1P	3	L045084006040S	
J304	CHIP THICK 0 ohm 1/8W J	1	C200000061300S	
JACK301	SOCKET, AC OUTLET	1	G435040070000S	A
JACK301	SOCKET, AC OUTLET	1	G435040110000S	G
PT301	POWER TRANS, ST-BY 120V/60Hz	1	8200280150280S	A
PT301	POWER TRANS, ST-BY 230V/50Hz	1	8200280150290S	E/G
PT301	POWER TRANS, ST-BY 220V/50,60Hz	1	8200280150300S	C/K
Q300/Q301	KTC3875S, NPN	2	J522038750210S	
Q302	KRC107S(NH), NPN	1	J522107S00210S	A
R300	CHIP THICK 10 kohm 1/16W J	1	C20001036M160S	
R301	CHIP THICK 20 kohm 1/16W J	1	C20002036M160S	
R302	CHIP THICK 3.3 kohm 1/16W J	1	C20003326M160S	
R303	CHIP THICK 2.2 kohm 1/16W J	1	C20002226M160S	
R304	METAL FILM 100PPM 10 ohm 1/4W J	1	C060010063050S	
R305	METAL FILM 100PPM 2.2 Mohm 0.5W	1	C060022564520S	A
R333	CHIP THICK 47 kohm 1/16W J	1	C20004736M160S	
RLY301	RELAY, DC6V 5A	1	G680060502010S	
ZD301	MTZJ5.1B, ZENER	1	K06005R144520S	
ZD302	0.2W 10V, ZENER CHIP	1	K06610R04P400S	A

▶ MAIN PCB ASS'Y (PCB1) INCLUDES THE FOLLOWING BOARDS.

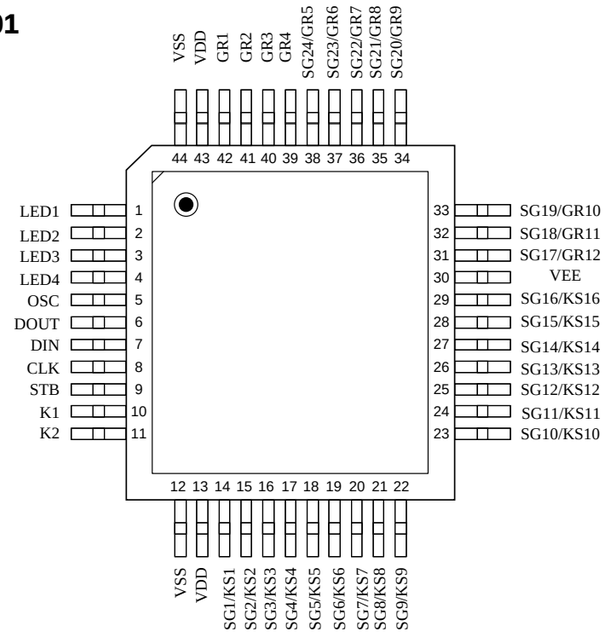
① **THE ASS'Y PCB GUIDE1 (PCB1-1).**
② **THE ASS'Y PCB GUIDE2 (PCB1-2).**
③ **THE ASS'Y PCB GUIDE3 (PCB1-3).**

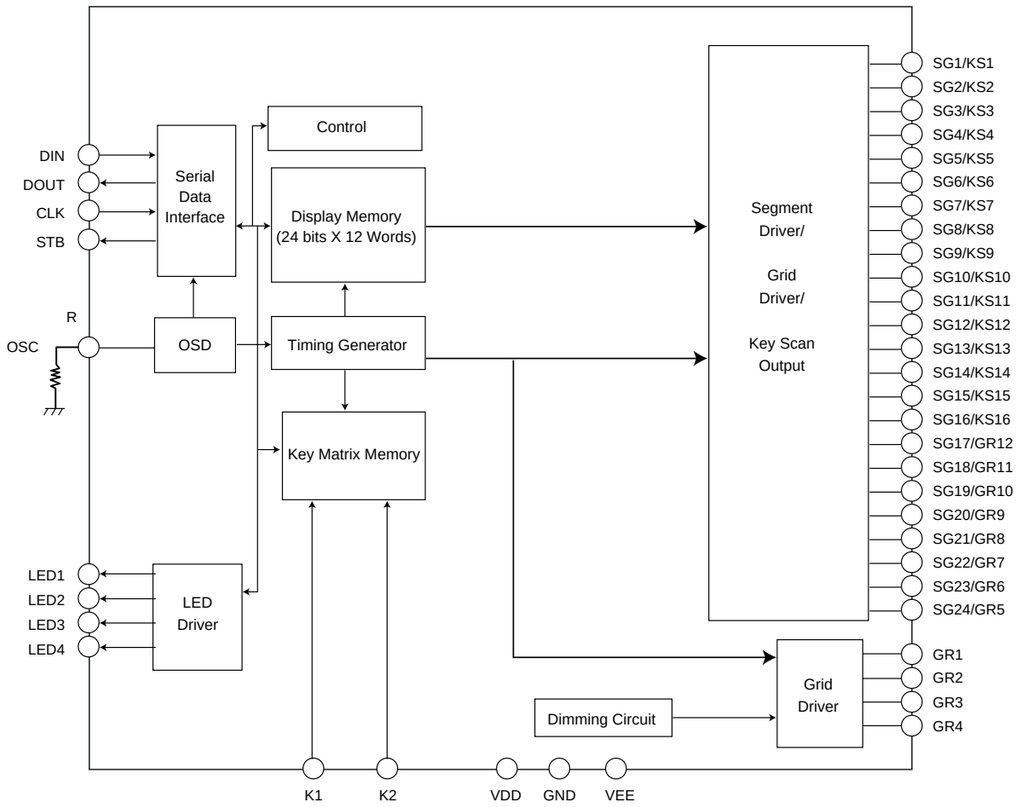
▶ FRONT PCB ASS'Y (PCB2) INCLUDES THE FOLLOWING BOARDS.

① **THE ASS'Y PCB MULTI JOG (PCB2-1).**
② **THE ASS'Y PCB AUX (PCB2-2).**
③ **THE ASS'Y PCB HEAD PHONE (PCB2-3).**
④ **THE ASS'Y PCB POWER S/W (PCB2-4).**

IC'S FUNCTIONAL BLOCK DIAGRAMS

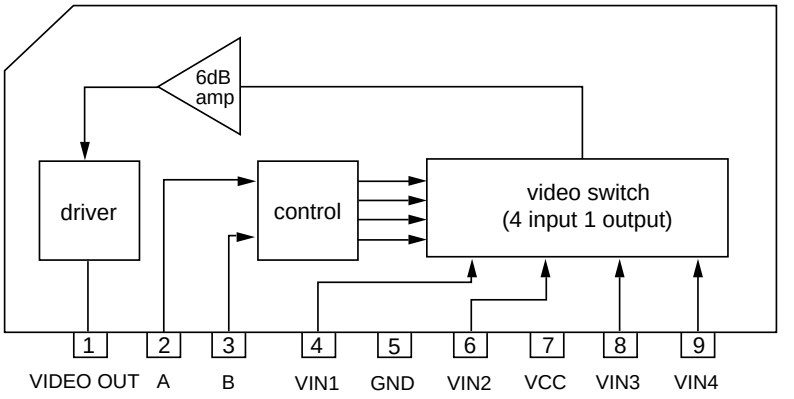
PT6315 : IC701



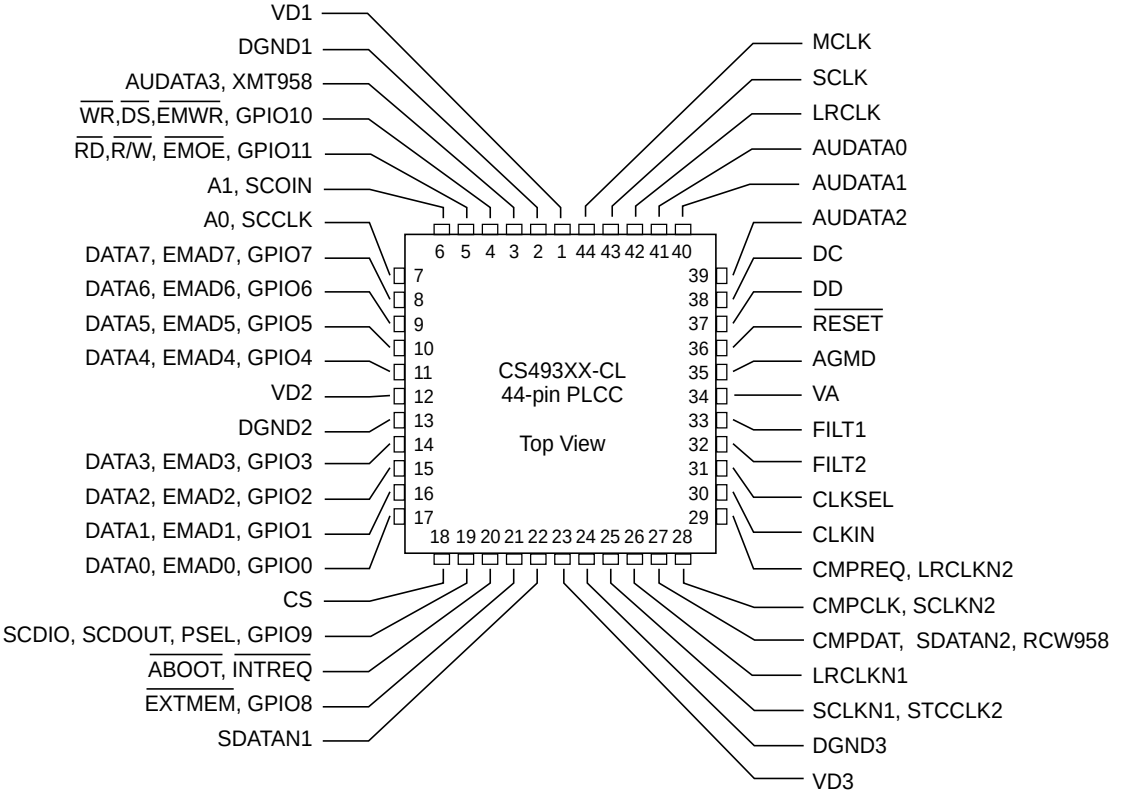


Pin Name	I/O	Description	Pin No.
LED1 to LED4	O	LED Output Pin	1 to 4
OSC	I	Oscillator Input Pin A resistor is connected to this pin to determine the oscillation frequency	5
DOUT	O	Data Output Pin (N-Channel, Open-Drain) This pin outputs serial data at the falling edge of the shift clock (starting from the lower bit).	6
DIN (Schmitt Trigger)	I	Data Input Pin This pin inputs serial data at the rising edge of the shift clock (starting from the lower bit)	7
CLK (Schmitt Trigger)	I	Clock Input Pin This pin reads serial data at the rising edge and outputs data at the falling edge.	8
STB (Schmitt Trigger)	I	Serial Interface Strobe Pin The data input after the STB has fallen is processed as a command. When this pin is "HIGH", CLK is ignored.	9
K1 to K2	I	Key Data Input Pins The data inputted to these pins are latched at the end of the display cycle.	10 ,11
VSS	-	Logic Ground Pin	12,44
VDD	-	Logic Power Supply	13,43
SG1/KS1 to SG16/KS16	O	High-Voltage Segment Output Pins Also acts as the Key Source	14 to 29
VEE	-	Pull-Down Level	30
SG17/GR12 to SG24/GR5	O	High Voltage Segment/Grid Output Pins	31 to 38
GR4 to GR1	O	High-Voltage Grid Output Pins	39 to 42

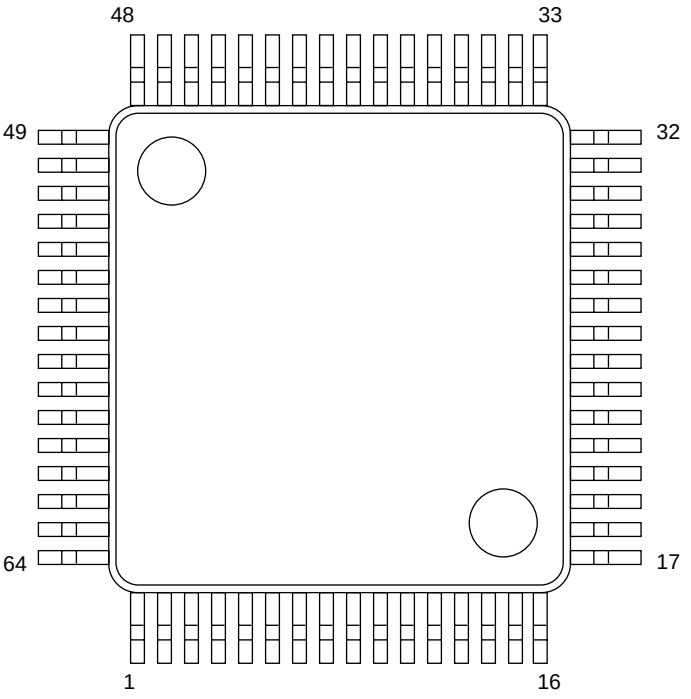
LA7956 : IC201

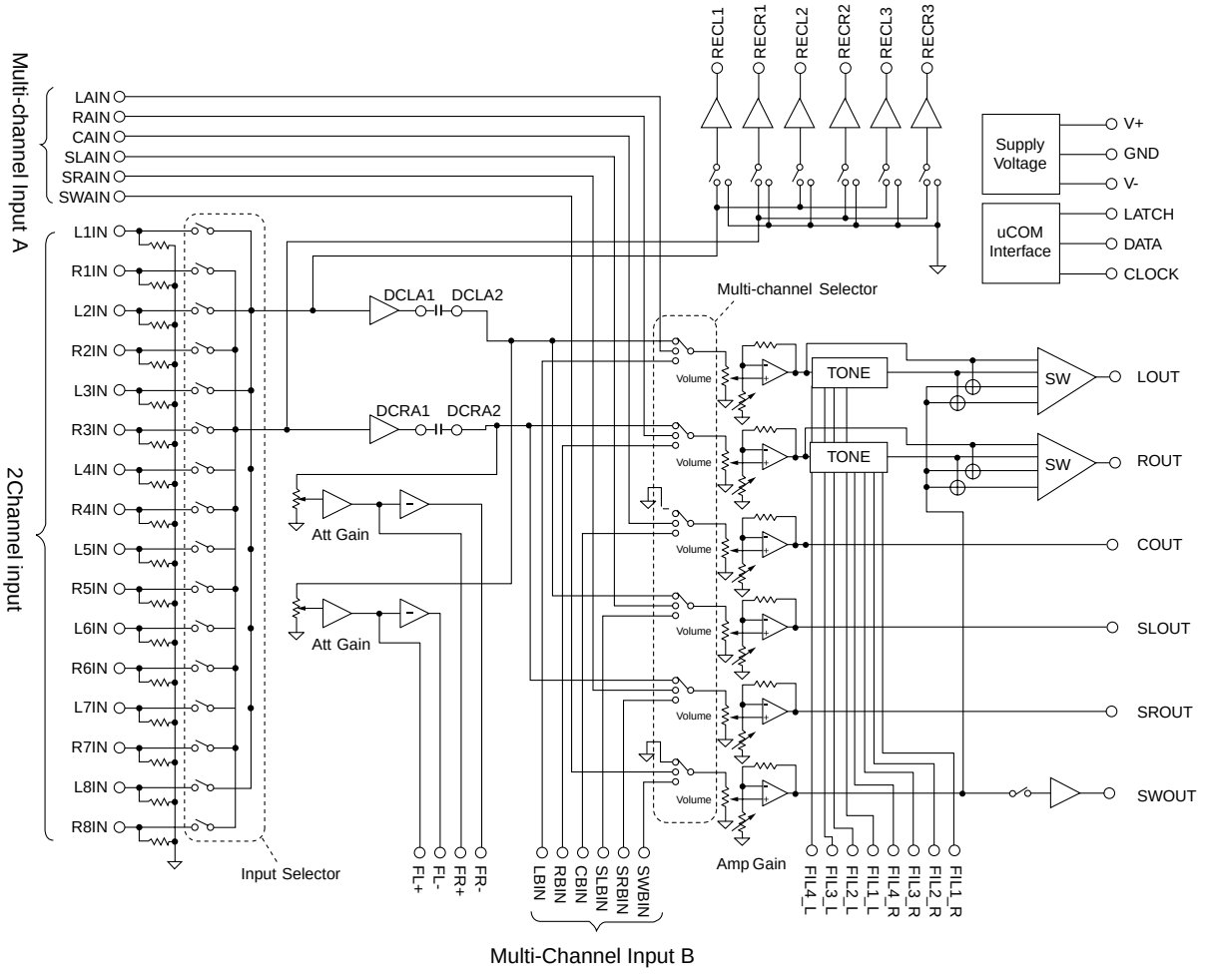


CS49326 : IC402



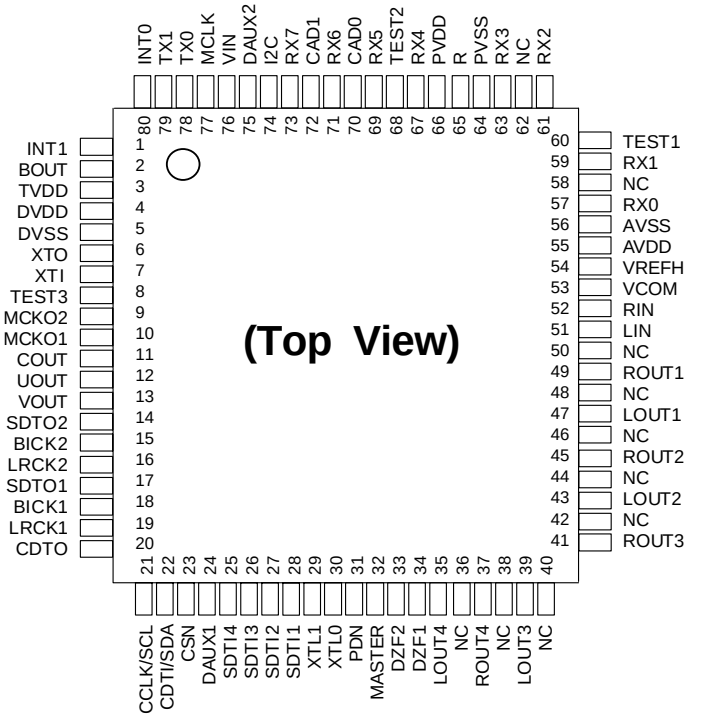
NJW1153 : IC102

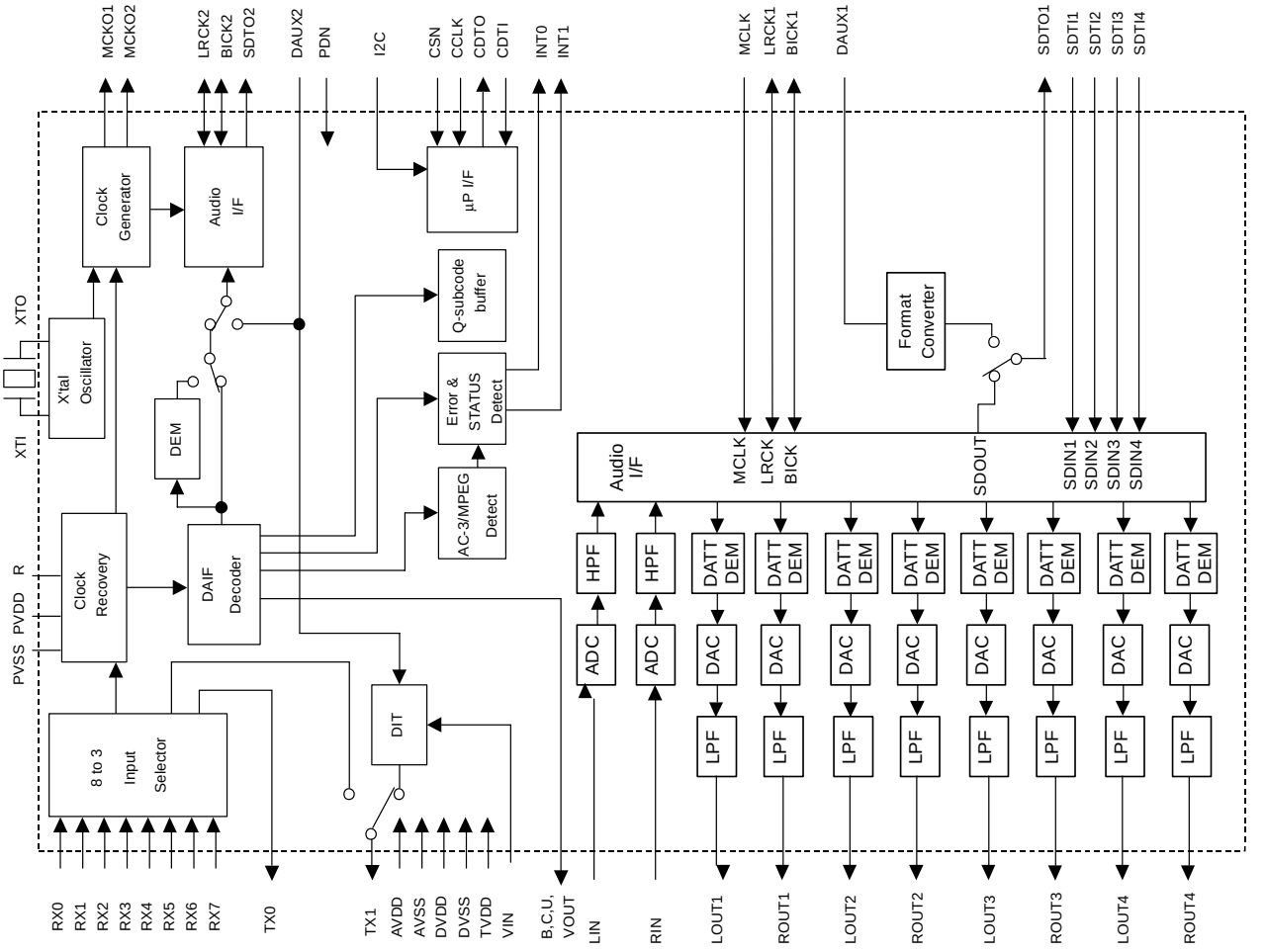




No.	SYMBOL	FUNCTION
1	FIL2_R	Rch Bass Filter terminal
2	FIL3_R	Rch Bass Filter DC cut capacitor output terminal
3	FIL4_R	Rch Bass Filter DC cut capacitor input terminal
4	GND	Ground
5	FL+	"Input selector gain control" Lch no-inverted output
6	FL-	"Input selector gain control" Lch inverted output
7	FR+	"Input selector gain control" Rch no-inverted output
8	FR-	"Input selector gain control" Rch inverted output
9	DCLA1	"Input selector" Lch output
10	DCLA2	"Multi-channel selector" Lch input
11	DCRA1	"Input selector" Rch output
12	DCRA2	"Multi-channel selector" Rch input
13	L1IN	"Input selector" Lch input1
14	R1IN	"Input selector" Rch input1
15	L2IN	"Input selector" Lch input2
16	L2IN	"Input selector" Rch input2
17	L3IN	"Input selector" Lch input3
18	R3IN	"Input selector" Rch input3
19	L4IN	"Input selector" Lch input4
20	R4IN	"Input selector" Rch input4
21	L5IN	"Input selector" Lch input5
22	R5IN	"Input selector" Rch input5
23	L6IN	"Input selector" Lch input6
24	R6IN	"Input selector" Rch input6
25	L7IN	"Input selector" Lch input7
26	R7IN	"Input selector" Rch input7
27	L8IN	"Input selector" Lch input8
28	R8IN	"Input selector" Rch input8
29	DATA	Control data signal input
30	CLOCK	Clock signal input
31	LATCH	Latch signal input
32	LAIN	Multi-channel Lch inputA
33	RAIN	Multi-channel Rch inputA
34	CAIN	Multi-channel Cch inputA
35	SLAIN	Multi-channel SLch inputA
36	SRAIN	Multi-channel SRch inputA
37	SWAIN	Multi-channel SWch inputA
38	LBIN	Multi-channel Lch inputB
39	RBIN	Multi-channel Rch inputB
40	CBIN	Multi-channel Cch inputB
41	SLBIN	Multi-channel SLch inputB
42	SRBIN	Multi-channel SRch inputB
43	SWBIN	Multi-channel SWch inputB
44	SurTC	Switching noise rejection capacitor
45	FIL4_L	Lch Bass filter DC cut capacitor input terminal
46	FIL3_L	Lch Bass filter DC cut capacitor output terminal
47	FIL2_L	Lch Bass filter terminal
48	FIL1_L	Lch Treble filter terminal
49	LOUT	Lch output
50	ROUT	Rch output
51	COUT	Cch output
52	SLOUT	SLch output
53	SROUT	SRch output
54	SWOUT	SWch output
55	V+	+ Power supply voltage input
56	GND	Ground
57	V-	- Power supply voltage input
58	RECL1	"Input selector" Lch REC output1
59	RECR1	"Input selector" Rch REC output1
60	RECL2	"Input selector" Lch REC output2
61	RECR2	"Input selector" Rch REC output2
62	RECL3	"Input selector" Lch REC output3
63	RECR3	"Input selector" Rch REC output3
64	FIL1_R	Rch Treble filter terminal

AK4588 : IC401





No.	Pin Name	I/O	Function
1	INT1	O	Interrupt 1 Pin
2	BOUT	O	Block-Start Output Pin for Receiver Input "H" during first 40 flames.
3	TVDD	-	Output Buffer Power Supply Pin, 2.7V~5.5V
4	DVDD	-	Digital Power Supply Pin, 4.5V~5.5V
5	DVSS	-	Digital Ground Pin
6	XTO	O	X'tal clock Output Pin
7	XTI	I	X'tal / External clock Input Pin
8	TEST3	I	Test 3 Pin This pin should be connected to DVSS.
9	MCKO2	O	Master Clock Output 2 Pin
10	MCKO1	O	Master Clock Output 1 Pin
11	COUT	O	C-bit Output Pin for Receiver Input
12	UOUT	O	U-bit Output Pin for Receiver Input
13	VOUT	O	V-bit Output Pin for Receiver Input
14	SDTO2	O	Audio Serial Data Output Pin (DIR/DIT part)
15	BICK2	I/O	Audio Serial Data Clock Pin (DIR/DIT part)
16	LRCK2	I/O	Channel Clock Pin (DIR/DIT part)
17	SDTO1	O	Audio Serial Data Output Pin (ADC/DAC part)
18	BICK1	I/O	Audio Serial Data Clock Pin (ADC/DAC part)
19	LRCK1	I/O	Input Channel Clock Pin
20	CDTO	O	Control Data Output Pin in Serial Mode, I2C pin= "L".
21	CCLK	I	Control Data Clock Pin in Serial Mode, I2C pin= "L"
	SCL	I	Control Data Clock Pin in Serial Mode, I2C pin= "H"
22	CDTI	I	Control Data Input Pin in Serial Mode, I2C pin= "L".
	SDA	I/O	Control Data Pin in Serial Mode, I2C pin= "H".
23	CSN	I	Chip Select Pin in Serial Mode, I2C pin="L".
		I	This pin should be connected to DVSS, I2C pin="H".
24	DAUX1	I	AUX Audio Serial Data Input Pin (ADC/DAC part)
25	SDTI4	I	DAC4 Audio Serial Data Input Pin
26	SDTI3	I	DAC3 Audio Serial Data Input Pin
27	SDTI2	I	DAC2 Audio Serial Data Input Pin
28	SDTI1	I	DAC1 Audio Serial Data Input Pin
29	XTL1	I	X'tal Frequency Select 0 Pin
30	XTL0	I	X'tal Frequency Select 1 Pin
31	PDN	I	Power-Down Mode Pin When "L", the AK4588 is powered-down, all output pin goes "L", all registers are reset. When CAD1-0 pins are changed, the AK4588 should be reset by PDN pin.
32	MASTER	I	Master Mode Select Pin "H": Master mode, "L": Slave mode
33	DZF2	O	Zero Input Detect 2 Pin (Table 13) When the input data of the group 1 follow total 8192 LRCK cycles with "0" input data, this pin goes to "H". When RSTN1 bit is "0" or PWDAN bit is "0", this pin goes to "H".
	OVF	O	Analog Input Overflow Detect Pin This pin goes to "H" if the analog input of Lch or Rch overflows. This pin becomes OVF pin if OVFE bit is set to 1.
34	DZF1	O	Zero Input Detect 1 Pin (Table 13) When the input data of the group 1 follow total 8192 LRCK cycles with "0" input data, this pin goes to "H". When RSTN1 bit is "0" or PWDAN bit is "0", this pin goes to "H".
35	LOUT4	O	DAC4 Lch Analog Output Pin
36	NC	-	No Connect pin No internal bonding. This pin should be opened.
37	ROUT4	O	DAC4 Rch Analog Output Pin
38	NC	-	No Connect pin No internal bonding. This pin should be opened.
39	LOUT3	O	DAC3 Lch Analog Output Pin

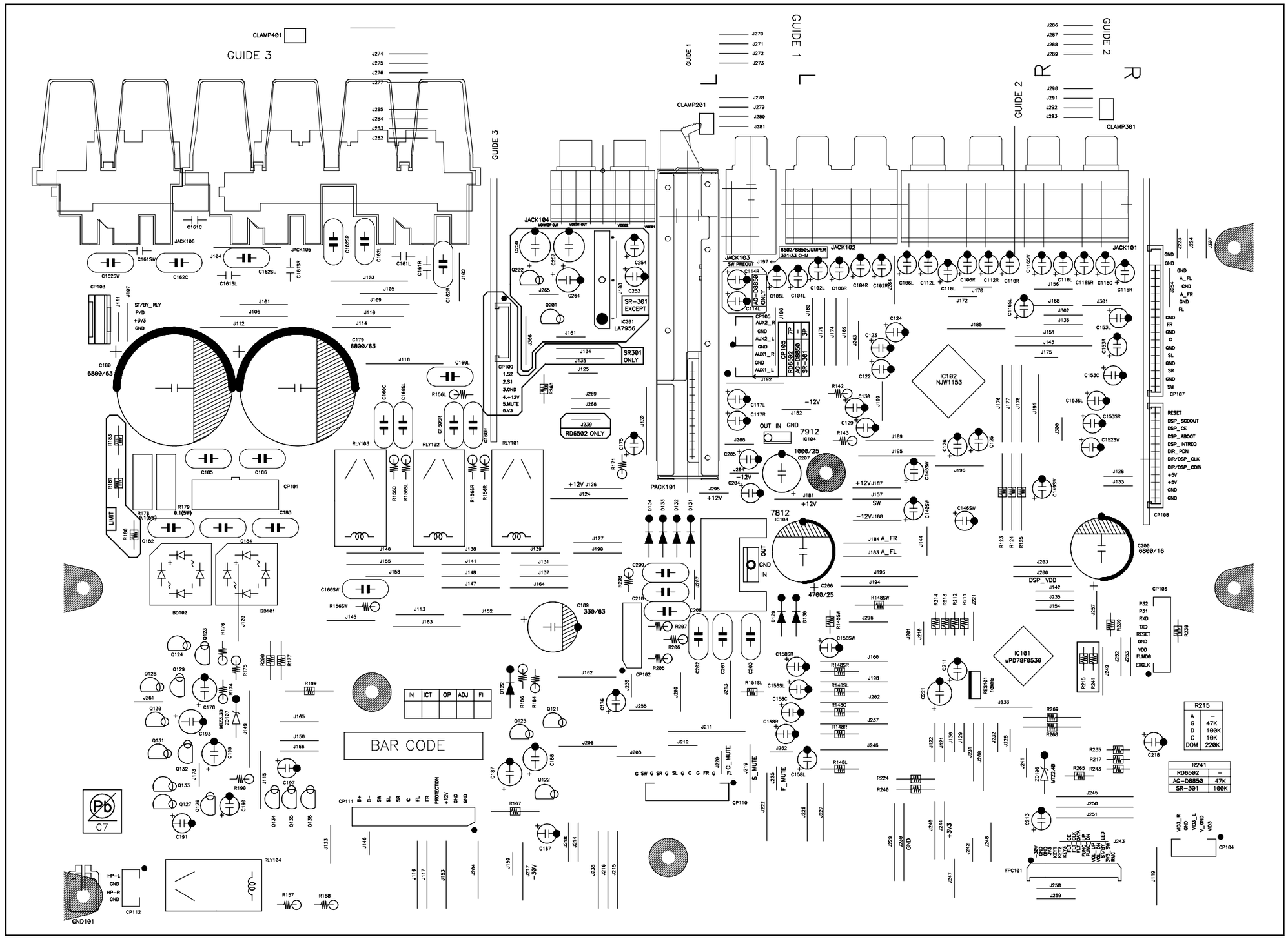
No.	Pin Name	I/O	Function
40	NC	-	No Connect pin No internal bonding. This pin should be opened.
41	ROUT3	O	DAC3 Rch Analog Output Pin
42	NC	-	No Connect pin No internal bonding. This pin should be opened.
43	LOUT2	O	DAC2 Lch Analog Output Pin
44	NC	-	No Connect pin No internal bonding. This pin should be opened.
45	ROUT2	O	DAC2 Rch Analog Output Pin
46	NC	-	No Connect pin No internal bonding. This pin should be opened.
47	LOUT1	O	DAC1 Lch Analog Output Pin
48	NC	-	No Connect pin No internal bonding. This pin should be opened.
49	ROUT1	O	DAC1 Rch Analog Output Pin
50	NC	-	No Connect pin No internal bonding. This pin should be opened.
51	LIN	I	Lch Analog Input Pin
52	RIN	I	Rch Analog Input Pin
53	VCOM	-	Common Voltage Output Pin 2.2μF capacitor should be connected to AVSS externally.
54	VREFH	-	Positive Voltage Reference Input Pin, AVDD
55	AVDD	-	Analog Power Supply Pin, 4.5V~ 5.5V
56	AVSS	-	Analog Ground Pin, 0V
57	RX0	I	Receiver Channel 0 Pin (Internal biased pin. Internally biased at PVDD/2)
58	NC	-	No Connect pin No internal bonding. This pin should be connected to PVSS.
59	RX1	I	Receiver Channel 1 Pin (Internal biased pin. Internally biased at PVDD/2)
60	TEST1	I	Test 1 Pin This pin should be connected to PVSS.
61	RX2	I	Receiver Channel 2 Pin (Internal biased pin. Internally biased at PVDD/2)
62	NC	-	No Connect pin No internal bonding. This pin should be connected to PVSS.
63	RX3	I	Receiver Channel 3 Pin (Internal biased pin. Internally biased at PVDD/2)
64	PVSS	-	PLL Ground pin
65	R	-	External Resistor Pin 12kΩ +/-1% resistor should be connected to PVSS externally.
66	PVDD	-	PLL Power supply Pin, 4.5V~ 5.5V
67	RX4	I	Receiver Channel 4 Pin (Internal biased pin. Internally biased at PVDD/2)
68	TEST2	I	Test 2 Pin This pin should be connected to PVSS.
69	RX5	I	Receiver Channel 5 Pin (Internal biased pin. Internally biased at PVDD/2)
70	CAD0	I	Chip Address 0 Pin (ADC/DAC part)
71	RX6	I	Receiver Channel 6 Pin (Internal biased pin. Internally biased at PVDD/2)
72	CAD1	I	Chip Address 1 Pin (ADC/DAC part)
73	RX7	I	Receiver Channel 7 Pin (Internal biased pin. Internally biased at PVDD/2)
74	I2C	I	Control Mode Select Pin. "L": 4-wire Serial, "H": I^2C Bus
75	DAUX2	I	Auxiliary Audio Data Input Pin (DIR/DIT part)
76	VIN	I	V-bit Input Pin for Transmitter Output
77	MCLK	I	Master Clock Input Pin
78	TX0	O	Transmit Channel (Through Data) Output 0 Pin
79	TX1	O	Transmit Channel Output1 pin When TX bit = "0", Transmit Channel (Through Data) Output 1 Pin. When TX bit = "1", Transmit Channel (DAUX2 Data) Output Pin (Default).
80	INT0	O	Interrupt 0 Pin

Note : All input pins except internal biased pins and internal pull-down pin should not be left floating.

PRINTED CIRCUIT BOARDS (I)

Model No.: RD-6502

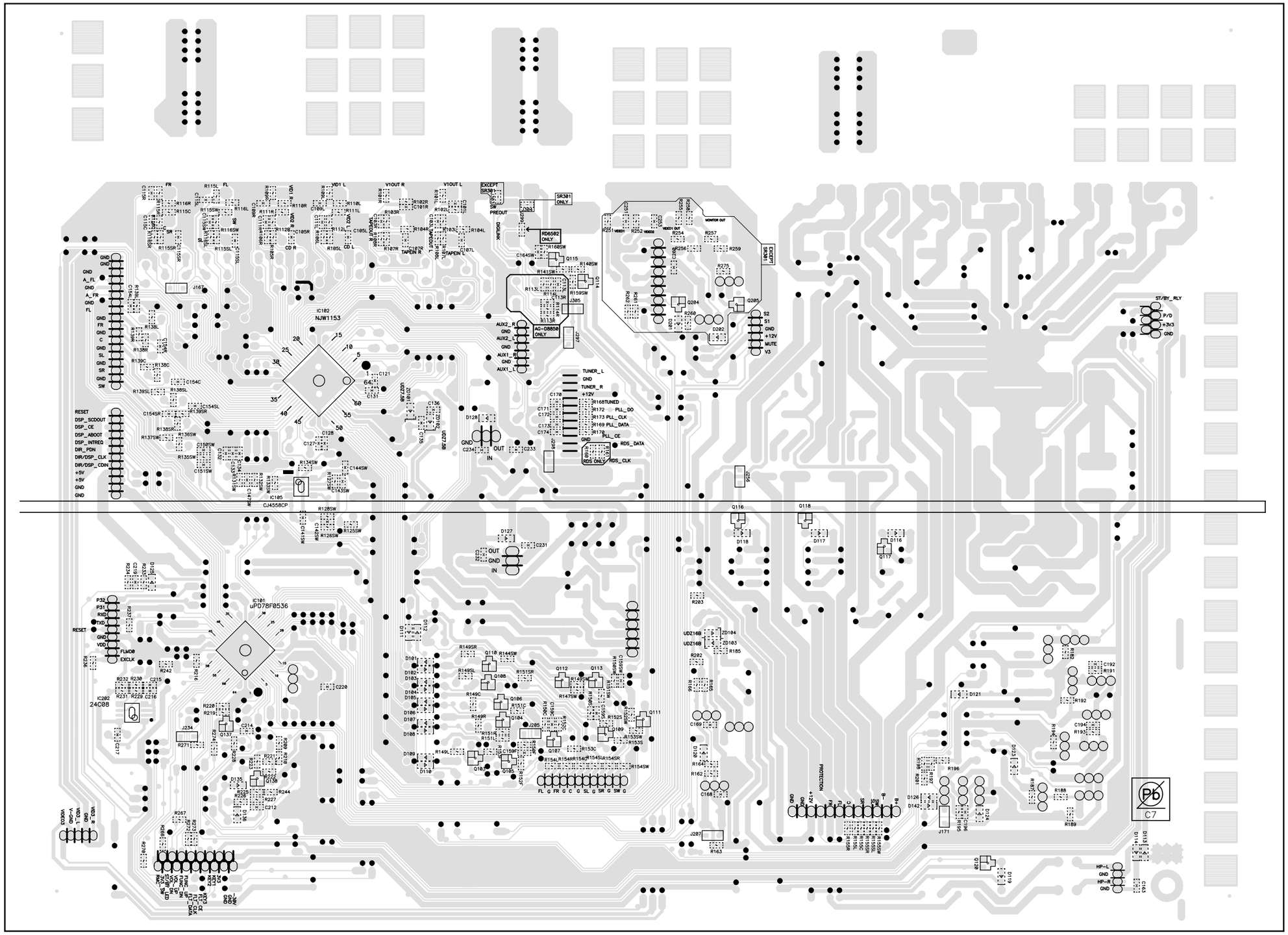
PCB1 (MAIN-TOP)



PRINTED CIRCUIT BOARDS (II)

Model No.: RD-6502

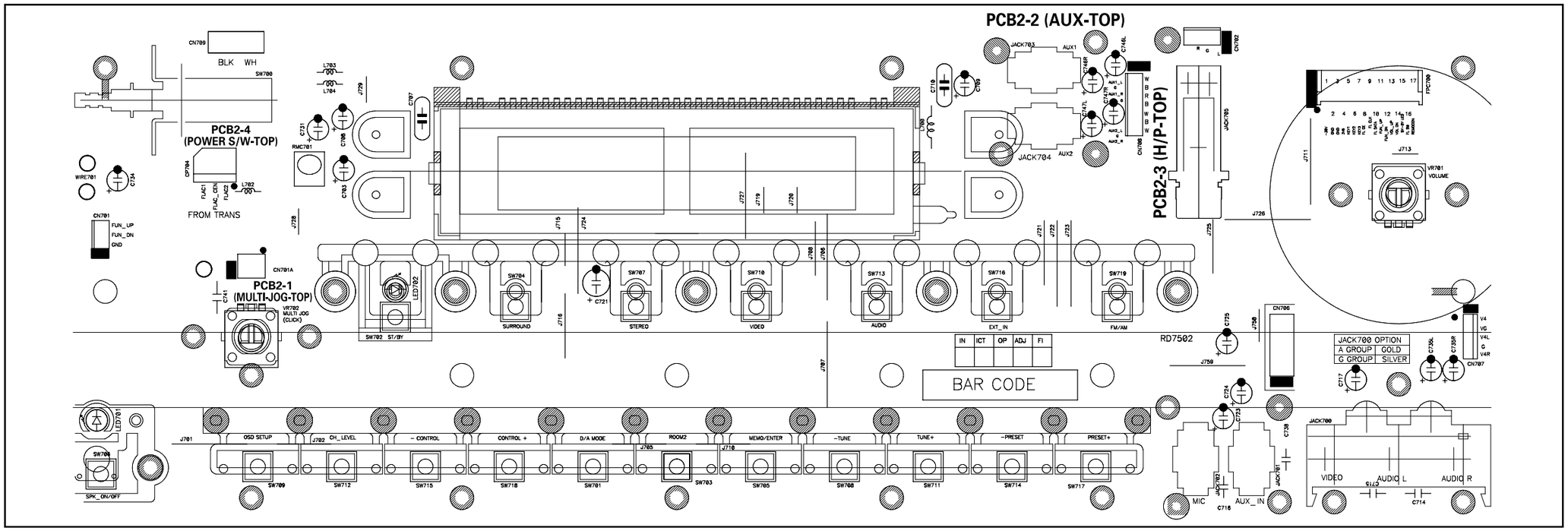
PCB1 (MAIN-BOTTOM)



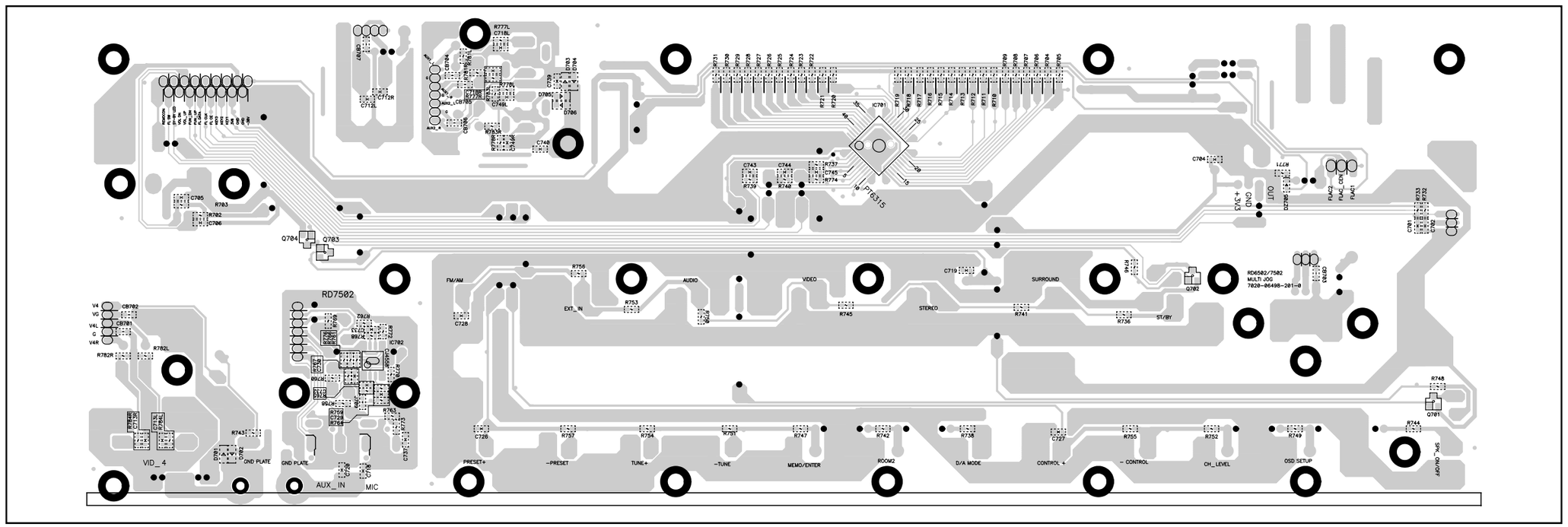
PRINTED CIRCUIT BOARDS (III)

Model No.: RD-6502

PCB2 (FRONT-TOP)



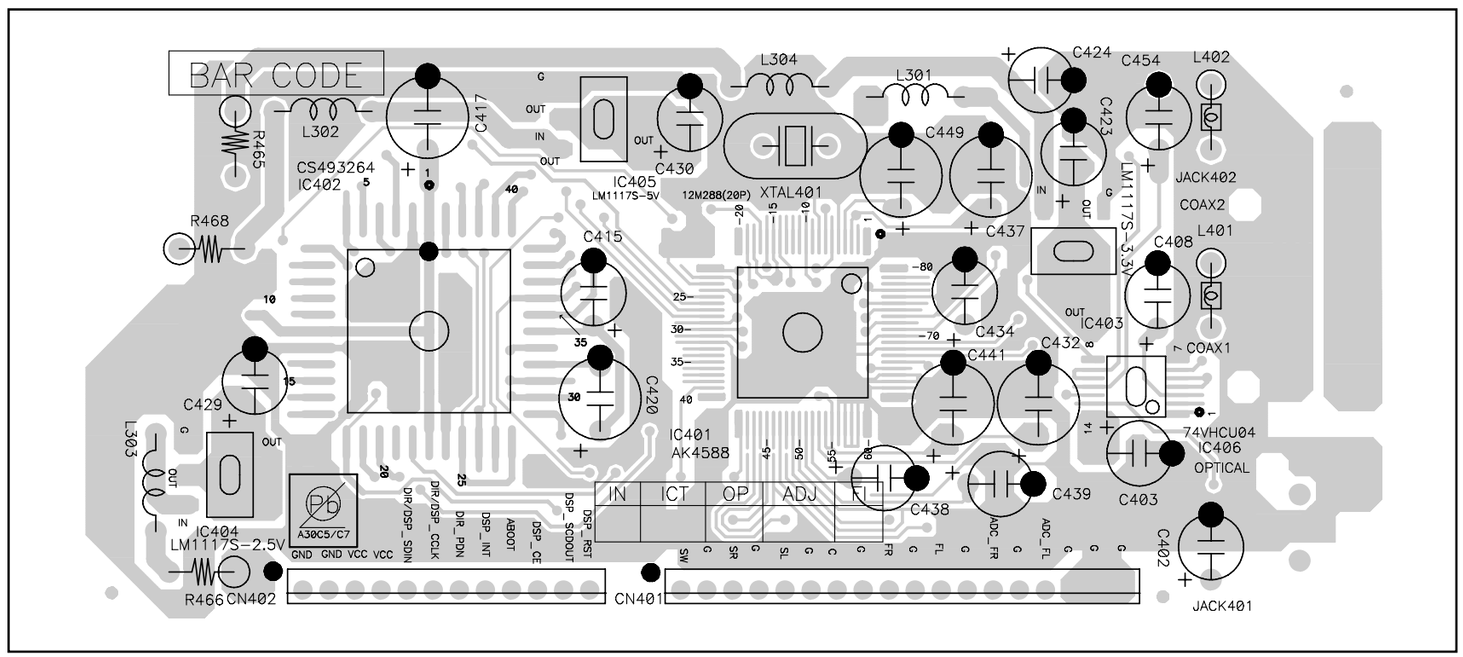
PCB2 (FRONT-BOTTOM)



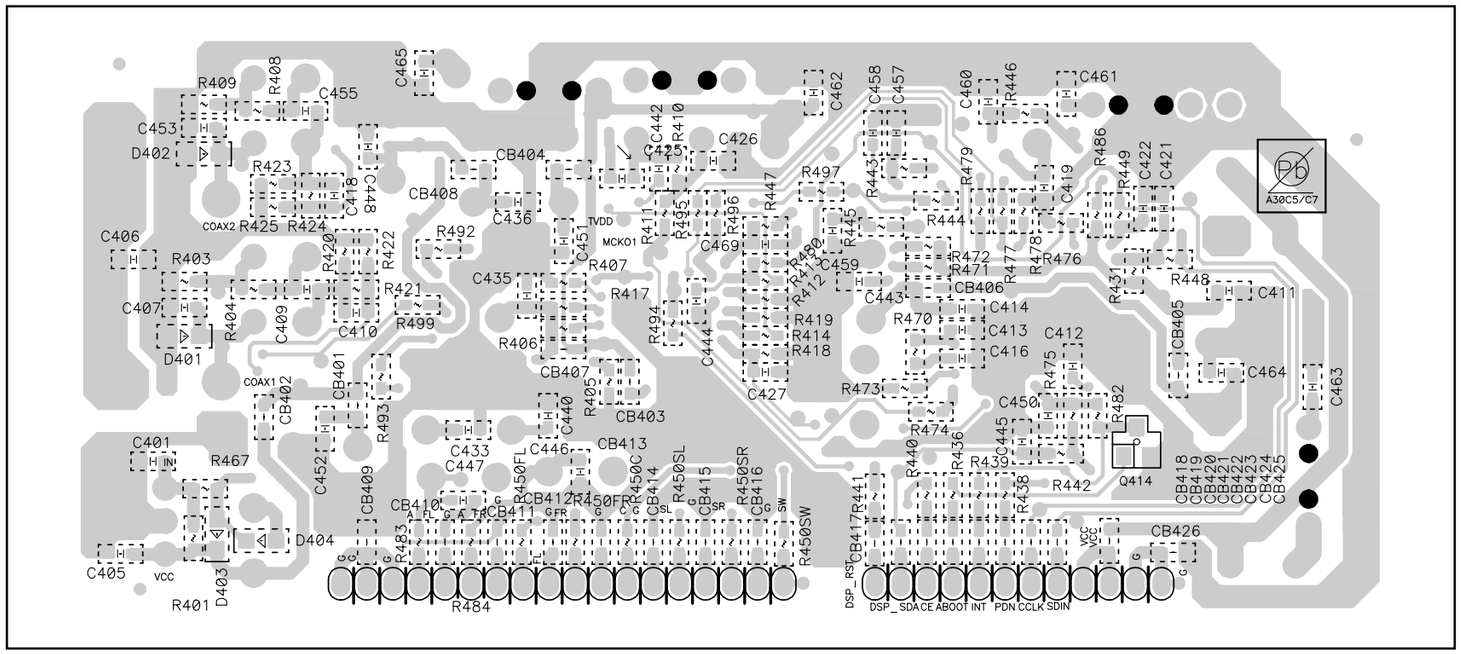
PRINTED CIRCUIT BOARDS (IV)

Model No.: RD-6502

PCB3 (DSP-TOP)



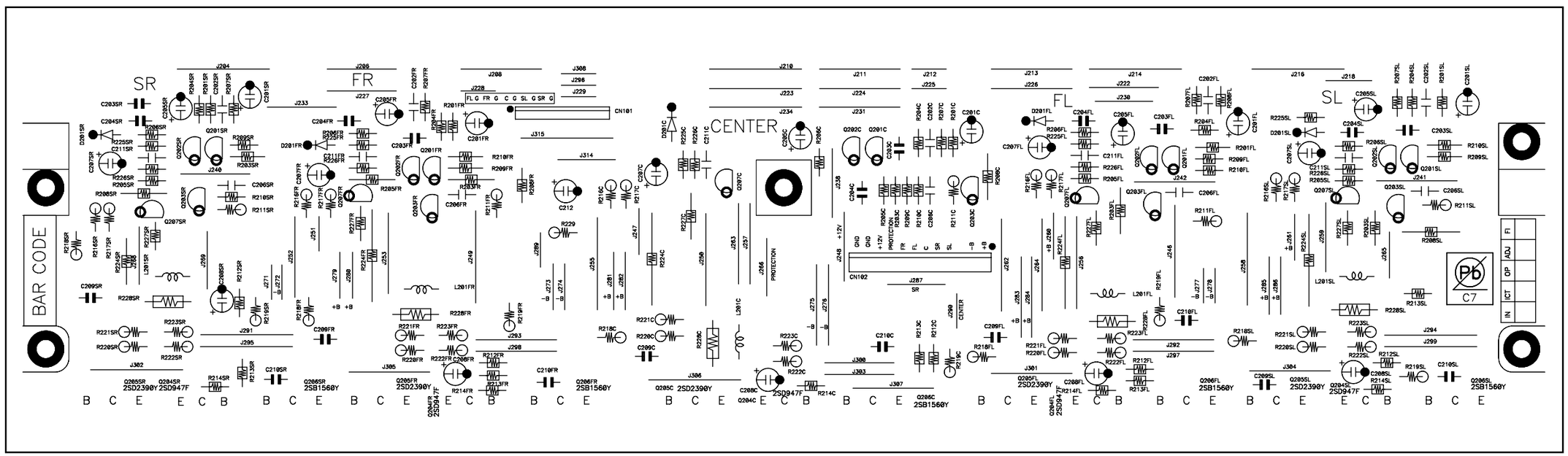
PCB3 (DSP-BOTTOM)



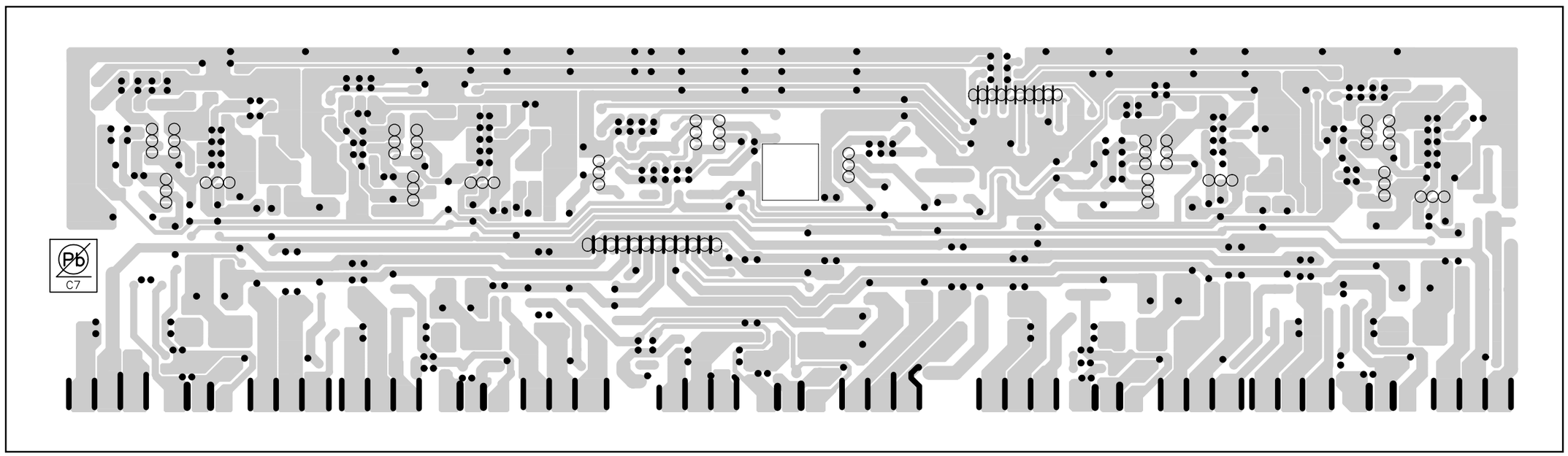
PRINTED CIRCUIT BOARDS (V)

Model No.: RD-6502

PCB4 (AMP-TOP)



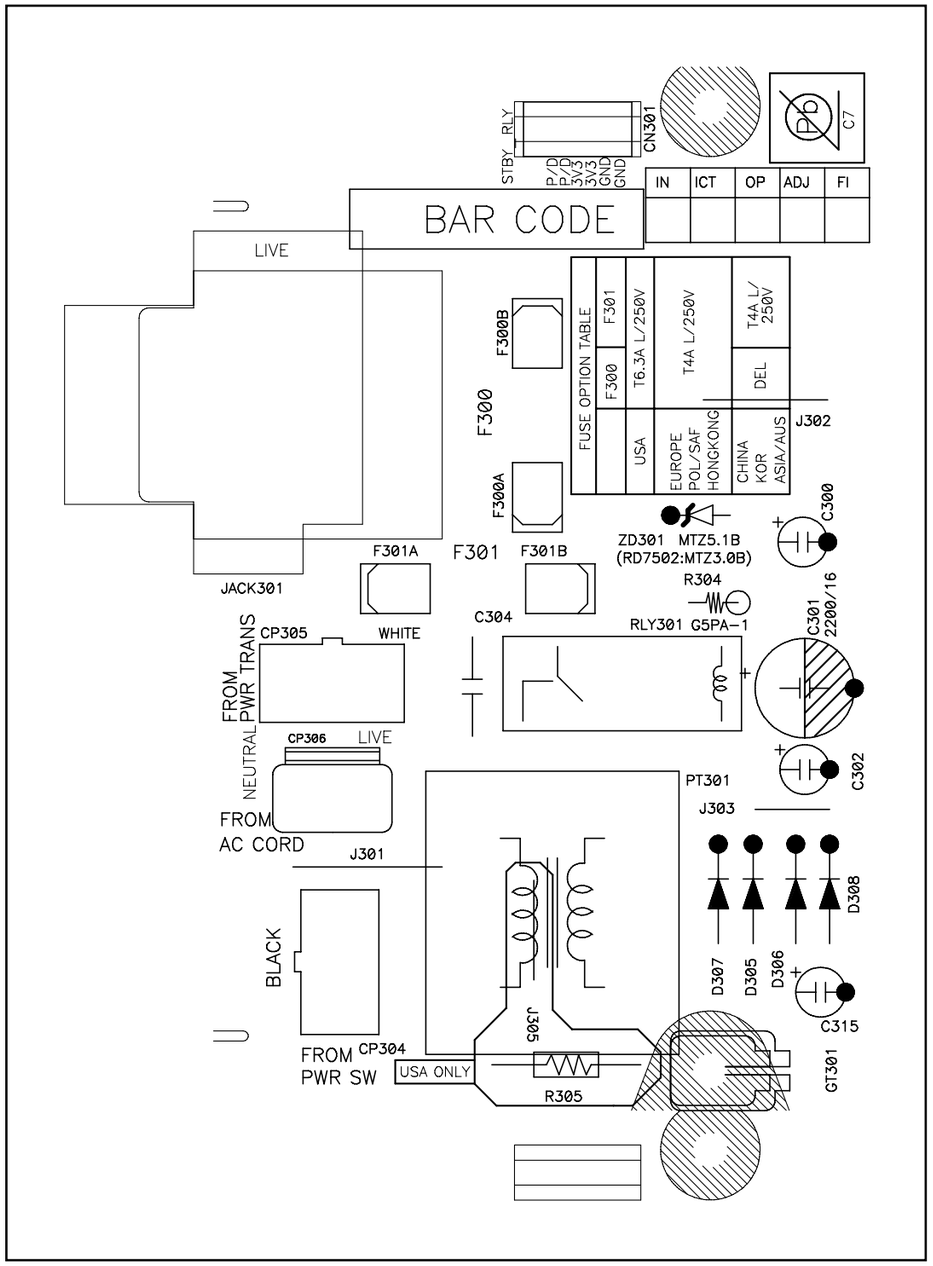
PCB4 (AMP-BOTTOM)



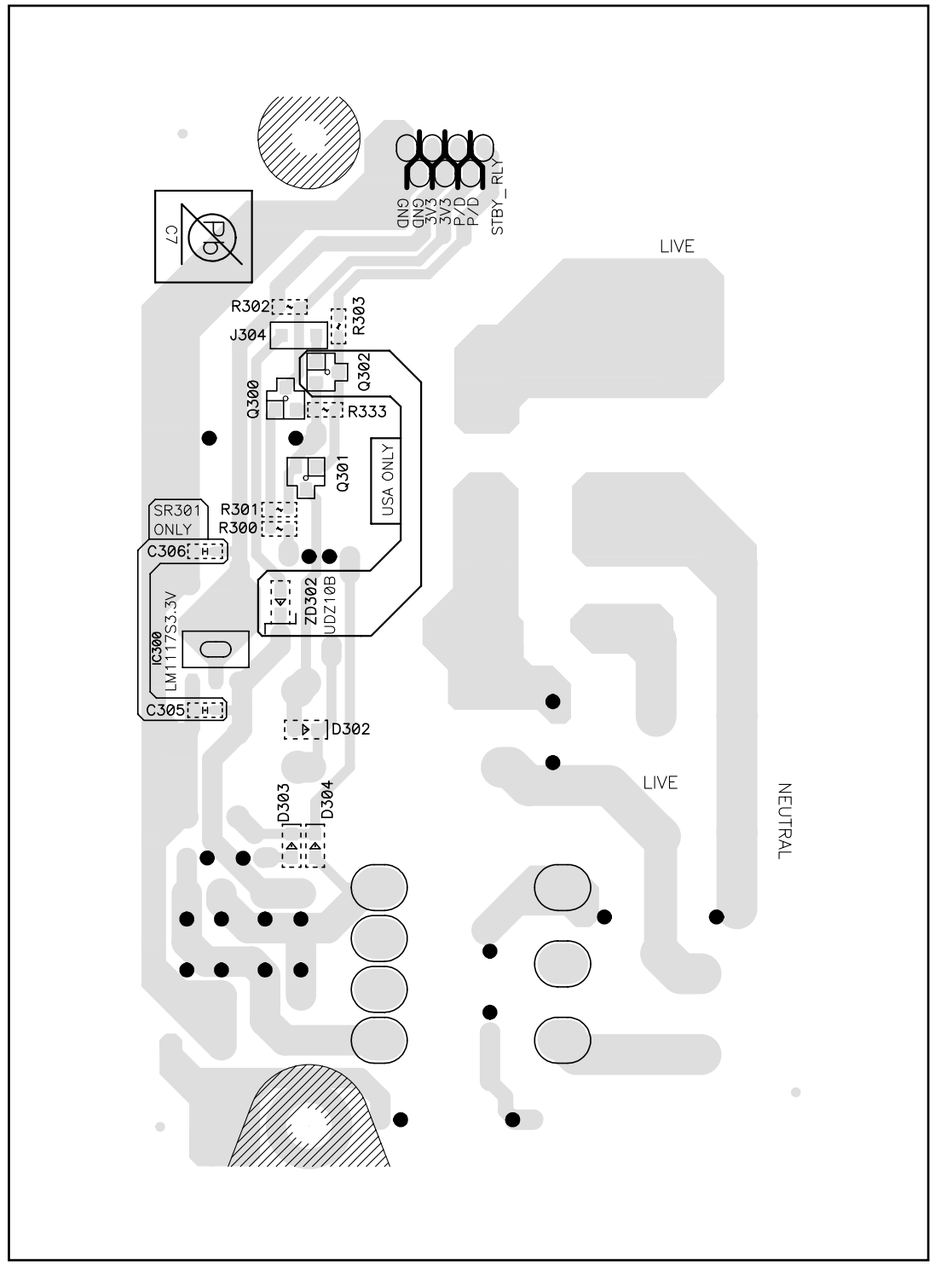
PRINTED CIRCUIT BOARDS (VI)

Model No.: RD-6502

PCB5 (ST-BY-TOP)



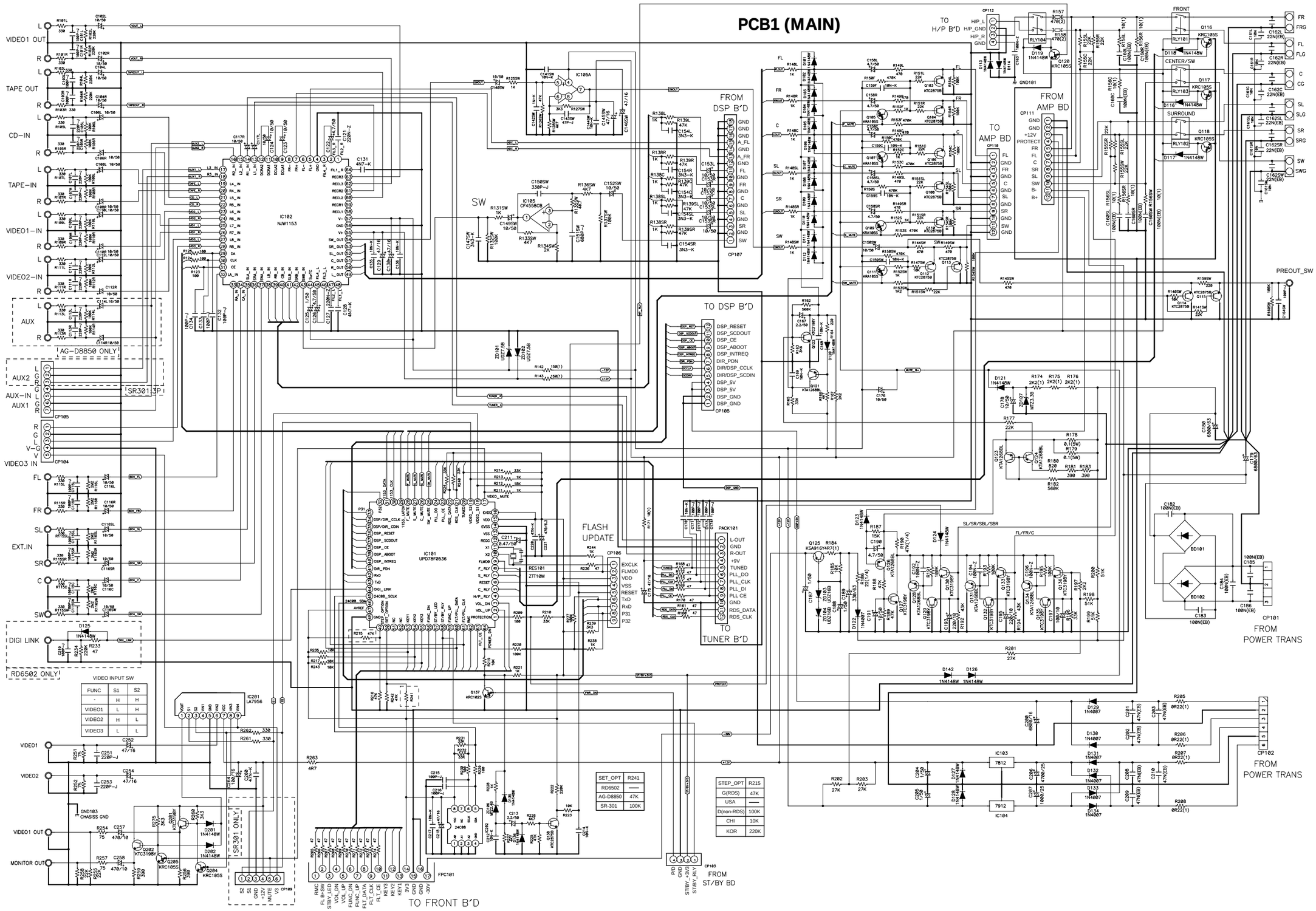
PCB5 (ST-BY-BOTTOM)



SCHEMATIC DIAGRAMS (I)

Model No.: RD-6502

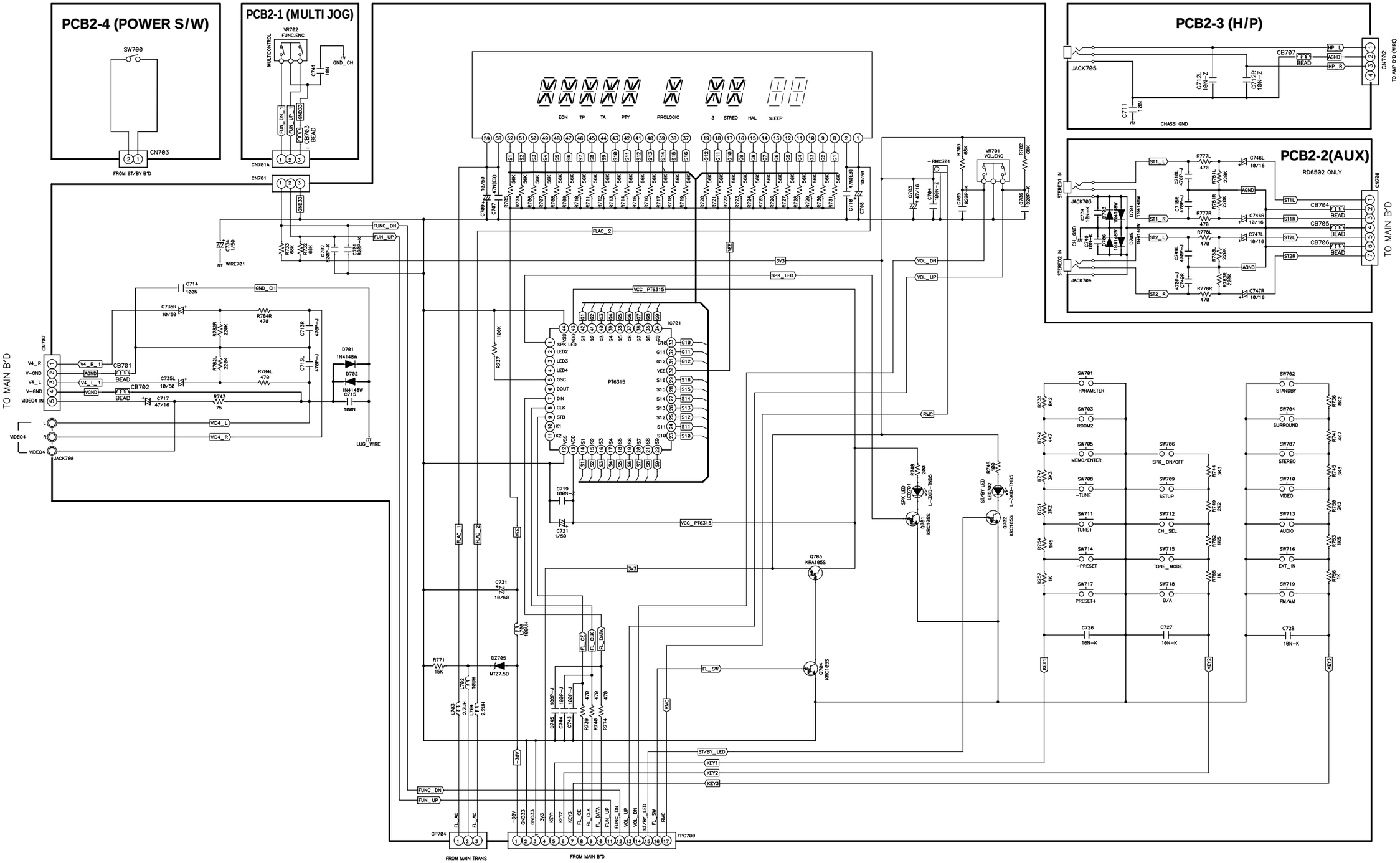
PCB1 (MAIN)



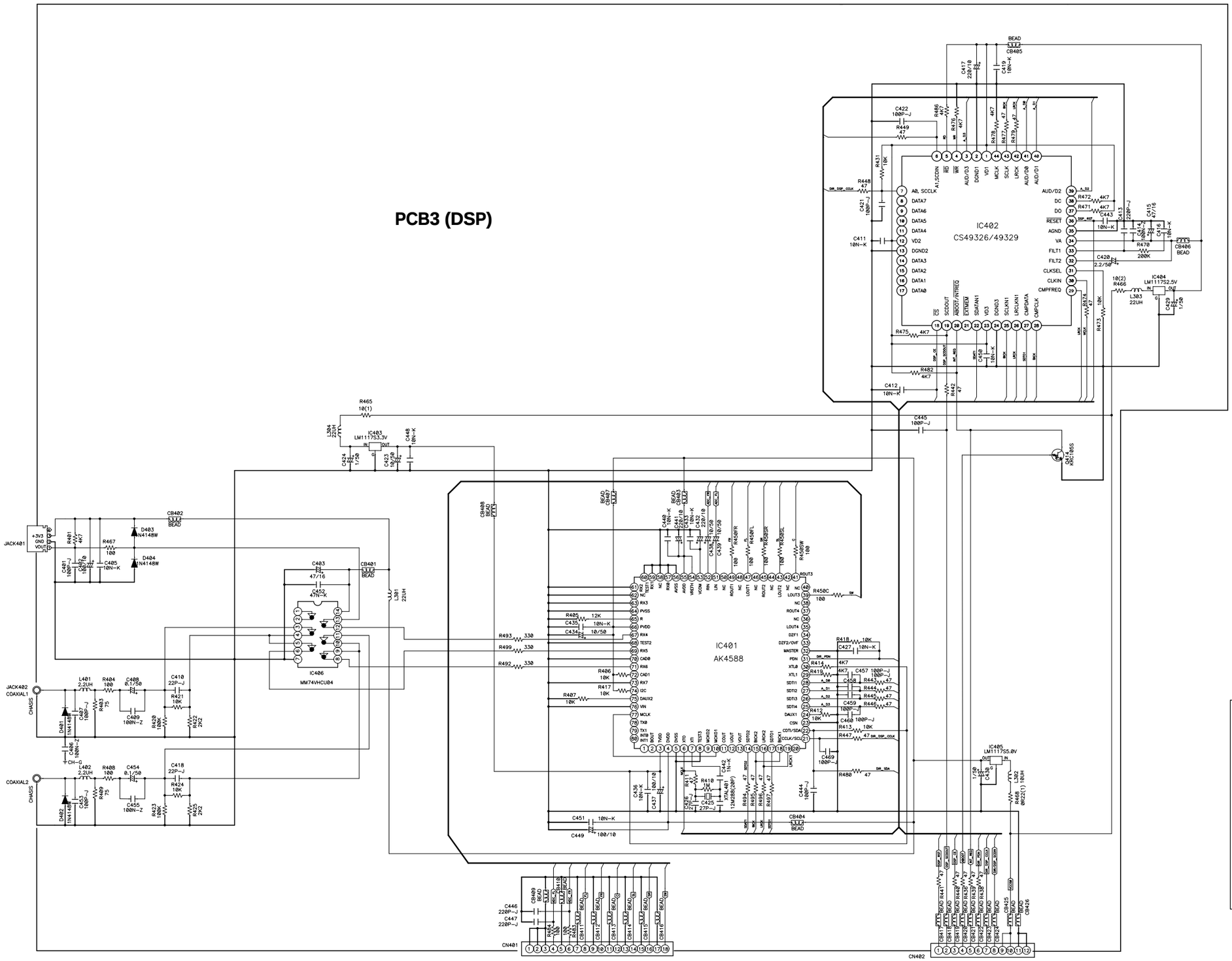
SCHEMATIC DIAGRAMS (II)

Model No.: RD-6502

PCB2 (FRONT)



PCB3 (DSP)



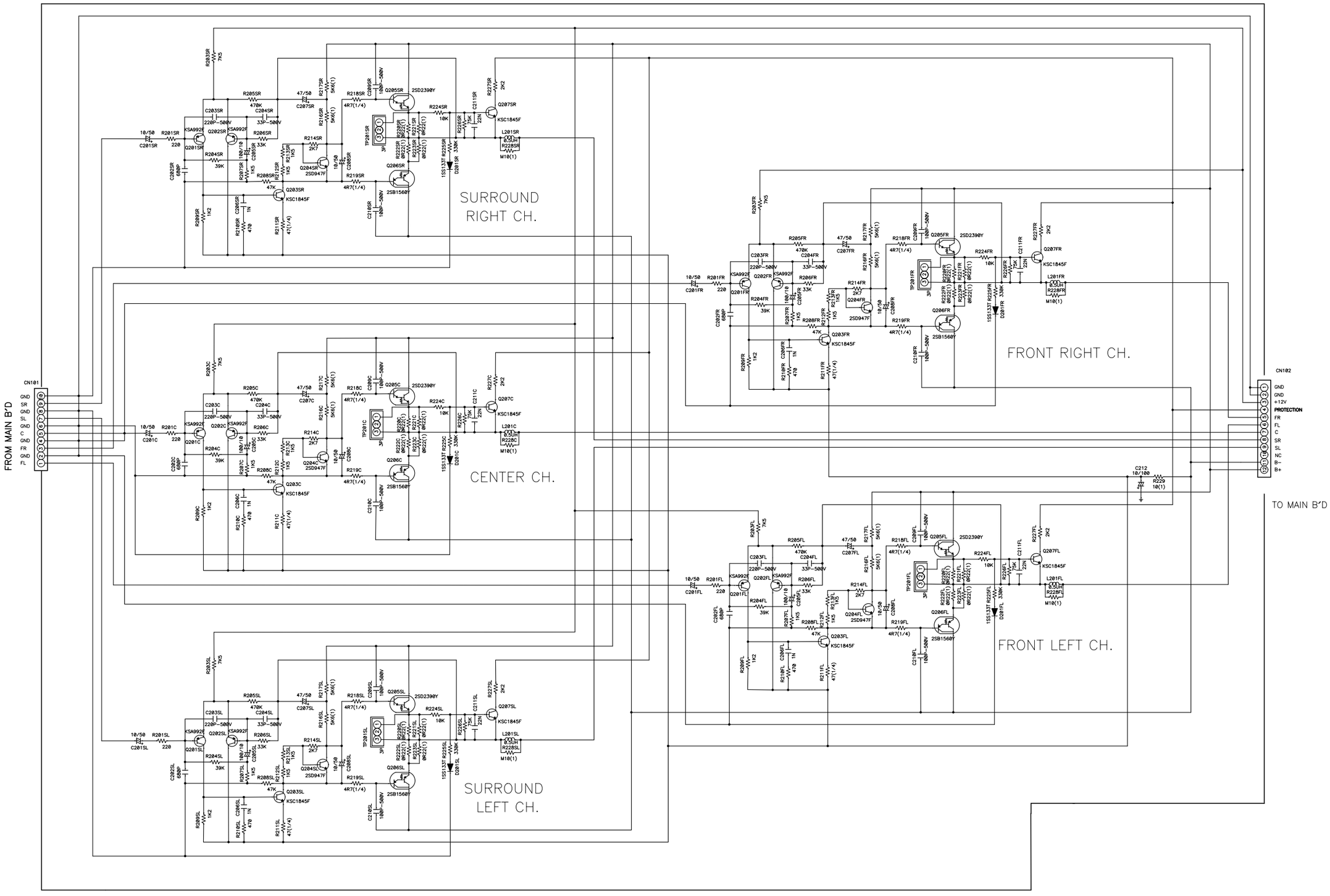
NOTES
1. Resistor values are indicated in ohms unless otherwise specified
   [k = 1.000 m = 1.000.000]
2. Capacitor values are indicated in microfarades unless otherwise specified.
   [p = micro-microfarades]
3. : These resistor are to be segregated from printed wiring board or other acessible parts.

CAUTION
Safety precaution to be followed during servicing
1] Since thiose 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 prorerly insulated from the supply circuit.

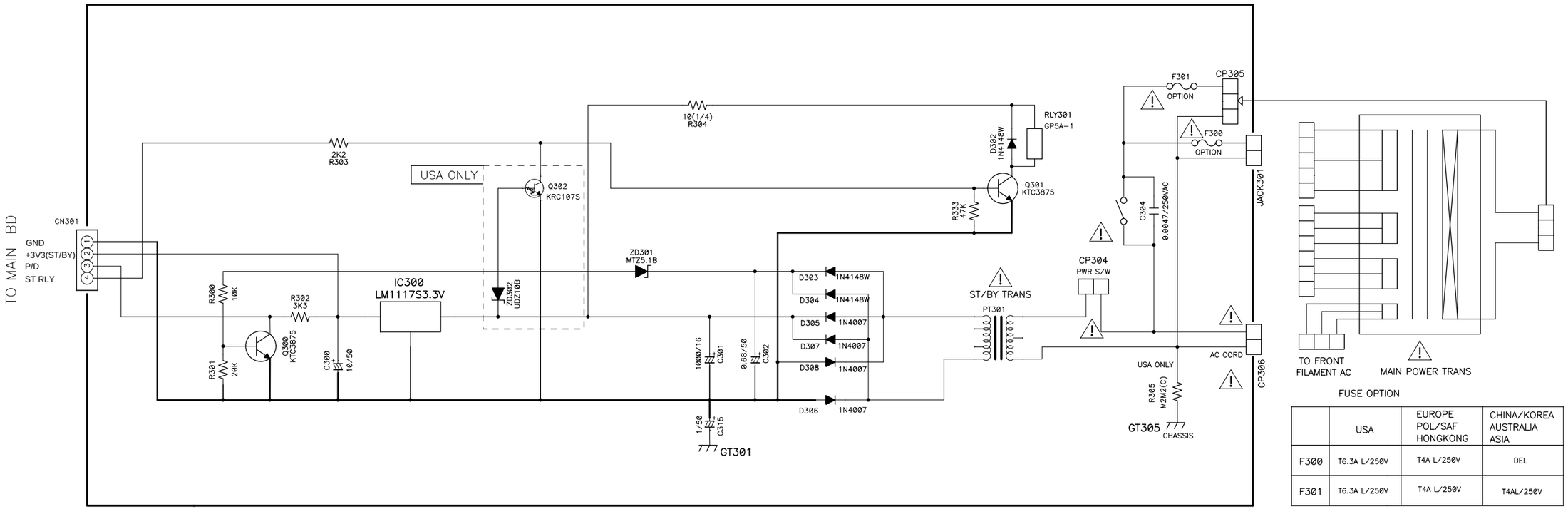
SCHEMATIC DIAGRAMS (IV)

Model No.: RD-6502

PCB4 (AMP)



PCB5 (ST-BY)



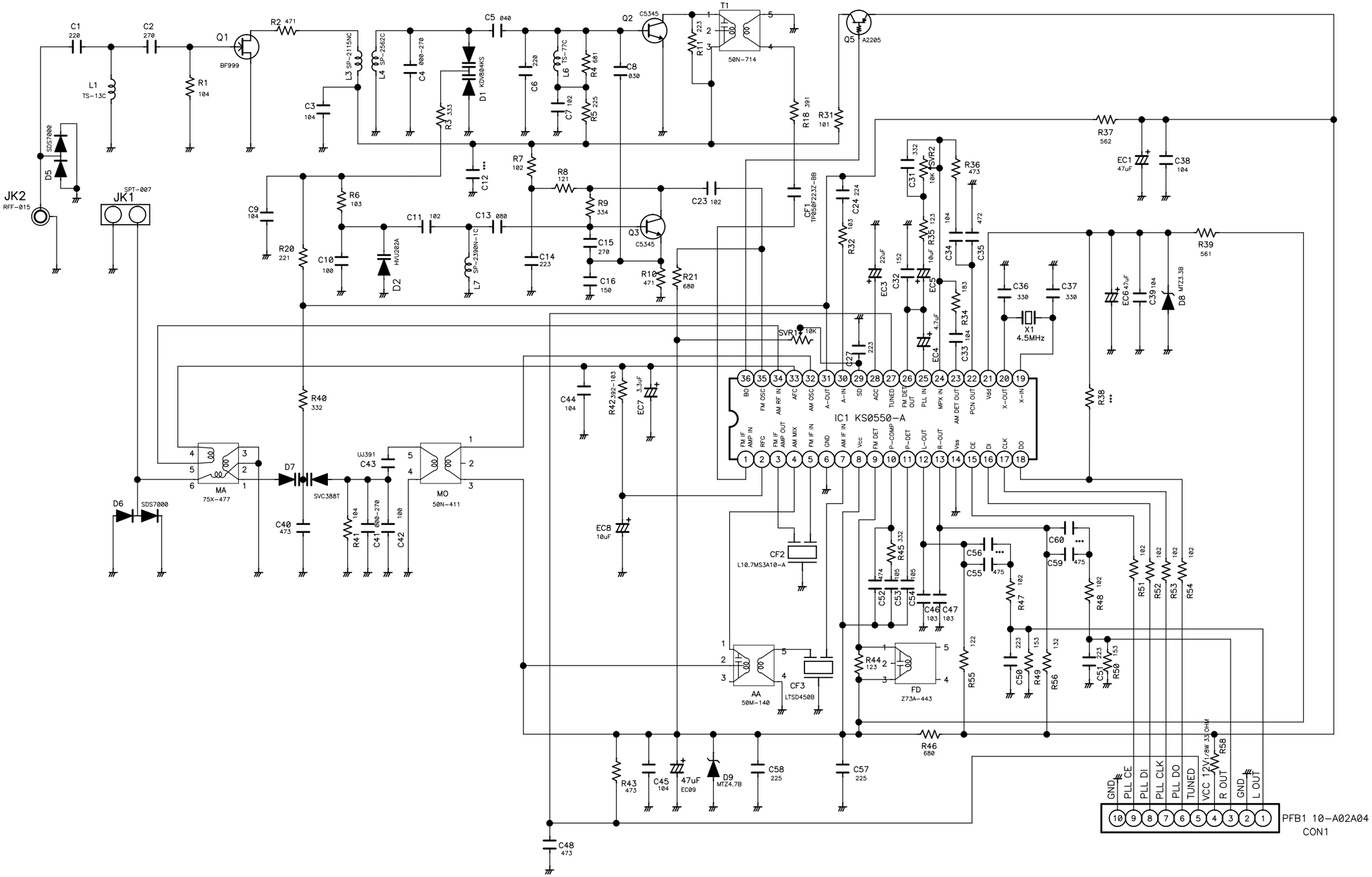
FUSE OPTION

	USA	EUROPE POL/SAF HONGKONG	CHINA/KOREA AUSTRALIA ASIA
F300	T6.3A L/250V	T4A L/250V	DEL
F301	T6.3A L/250V	T4A L/250V	T4AL/250V

SCHEMATIC DIAGRAMS (VI)

Model No.: RD-6502

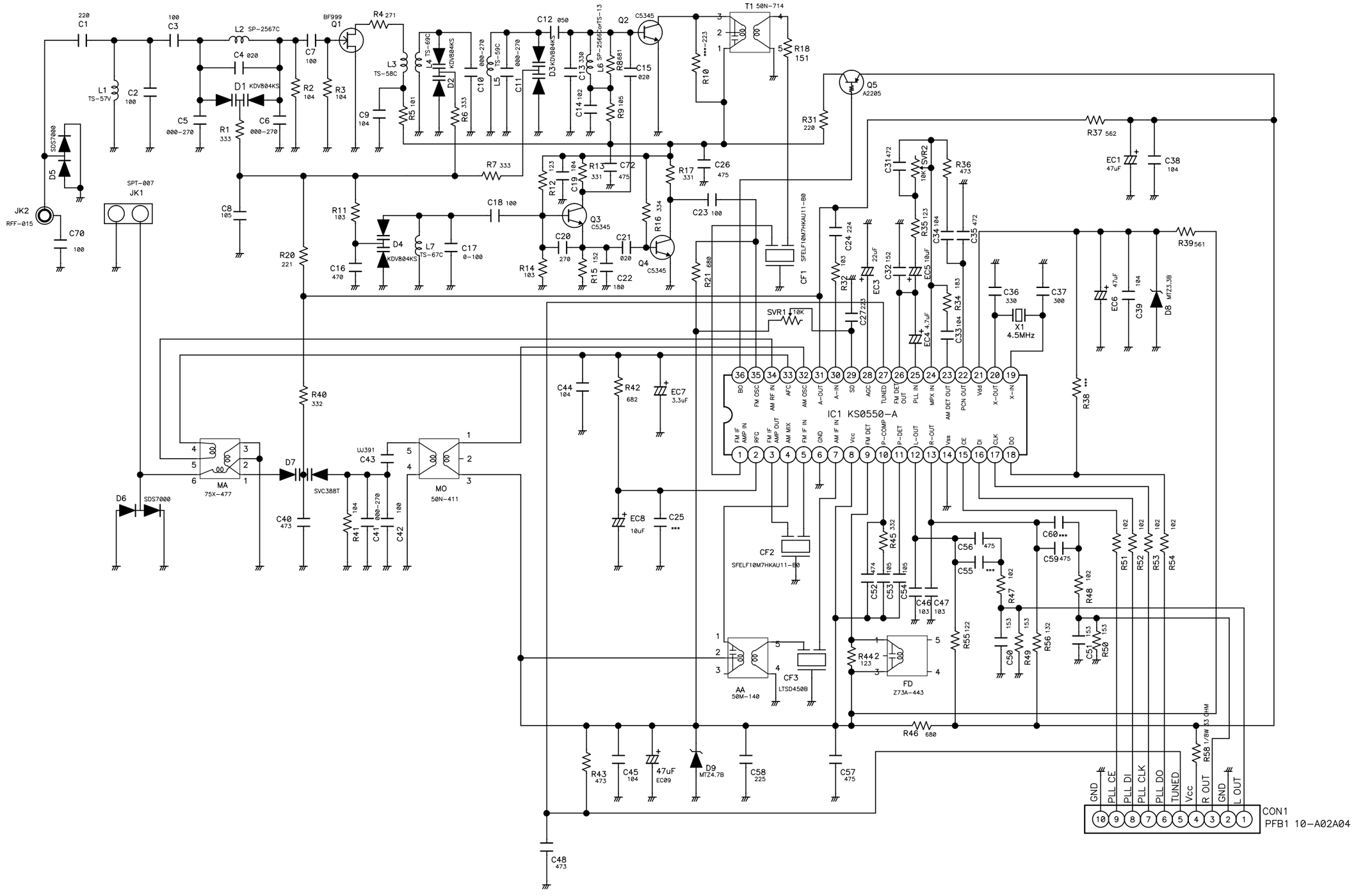
TUNER ASS'Y(A ONLY)



SCHEMATIC DIAGRAMS (VII)

Model No.: RD-6502

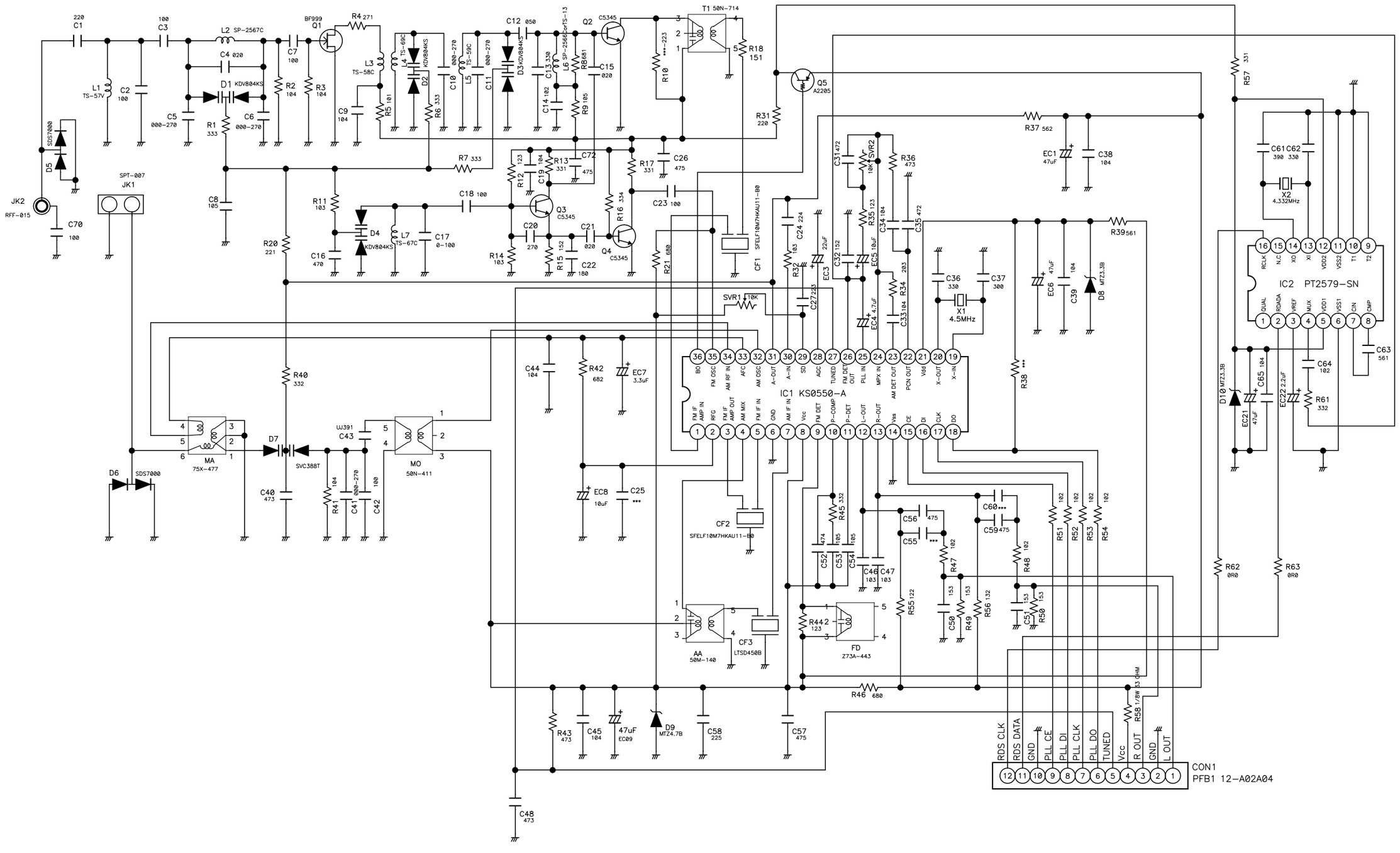
TUNER ASS'Y(C/D/E/K ONLY)



SCHEMATIC DIAGRAMS (VIII)

Model No.: RD-6502

TUNER ASS'Y(RDS ONLY)



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