

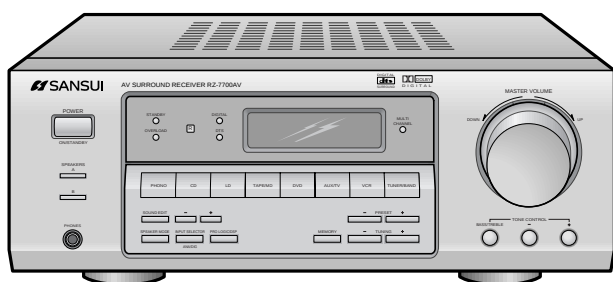
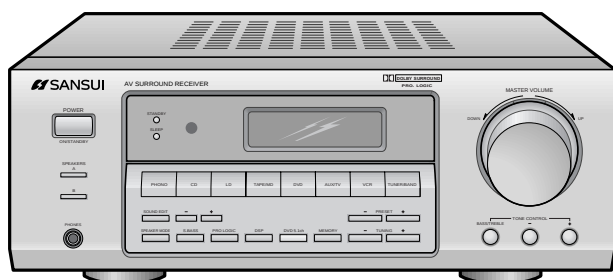


AV RECEIVER

RZ-3700AV/RZ-5700AV/RZ7700AV

SERVICE Manual

AV RECEIVER



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1. Specifications
2. Adjustment
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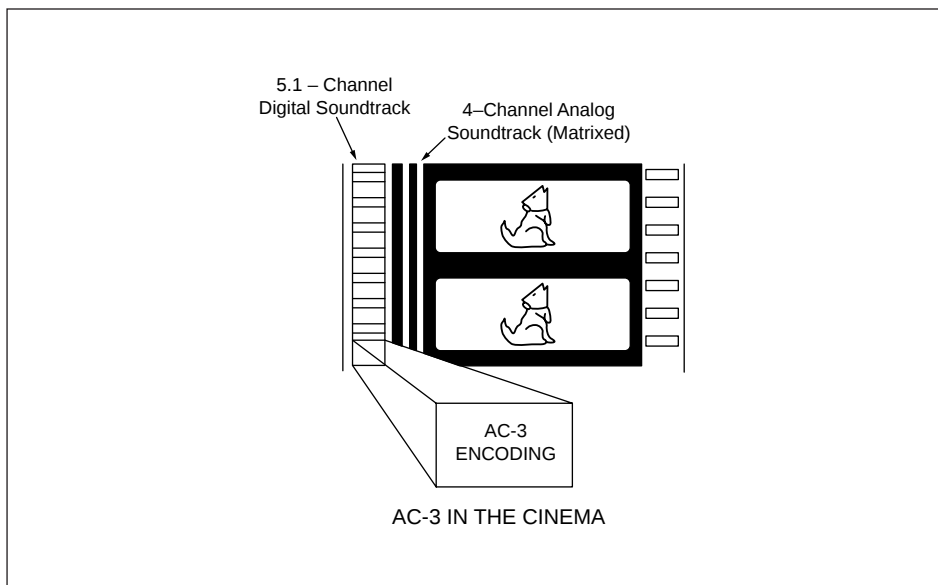
*Design and specifications are subject to change without notice for improvements

*CAUTION : Parts identified the SAFETY symbol(⚠) on the schematic diagram and the parts list are critical for safety.

Use only replacement parts that have critical characteristics recommended by the manufacturer.

DOLBY DIGITAL SURROUND

Dolby Laboratories spearheaded home theater with the introduction of Dolby Surround, and then defined it with the follow-up format Dolby Pro-Logic Surround. They have continued the evolution of home theater with the introduction of Dolby Digital Pro-Logic, a Multi-Channel Digital delivery system. Just as Dolby Surround found its beginnings in the cinema, so does Dolby Digital. This advanced multi-channel digital sound, although originally conceived for and later chosen for HDTV, made it practical to implement in the cinema because it enabled the film to retain the analog soundtrack. With backwards compatibility a priority so the film could be played in any cinema, it was decided to place the new digital optical track between the sprocket holes, which was a key factor in defining its maximum practical bit rate (see illustration).



In 1992 Dolby Surround Digital, the film sound format with Dolby Digital as its keystone, made its debut in the cinema. In less than three years, more than 300 feature films had been released in this new format, and nearly 1,500 cinemas had been equipped for playback of the digital soundtrack. Furthermore, Dolby Digital can now be brought to the consumer's home today via the LaserDisc.

Traditional Pulse Code Modulation (PCM), which is utilized on compact discs and LD's 4-channel matrixed digital audio tracks, uses a 16-bit word to "describe" the sampled point in the original analog wave. By sampling this analog wave 44,100 times per second for each channel, the system will yield a dynamic range of 96 dB from the loudest sound to the noise floor. However, this process creates an immense amount of data which is too large for multi-channel systems. Thus, a form of data reduction must be employed to reduce the total amount of information without serious degradation of the sound quality – hence the introduction of Dolby Digital.

The premise of Dolby Digital is simple, it reproduces the full bit resolution (16-bit) when a lower resolution will not result in the same sound quality. However, when a lower resolution is acceptable, it will utilize this lower resolution option instead for psychoacoustical theories and digital noise filtering technologies to help insure acceptable sound quality.

1. Specifications

AMPLIFIER

OUTPUT POWER RZ-5700AV/RZ-7700AV

STEREO (6OHM, 0.09%, 1KHz)	130W + 130W
5CH (6OHM, 0.3%, 1KHz)	
FRONT L, R	100W + 100W
CENTER	100W
REAR L,R	100W + 100W

OUTPUT POWER RZ-3700AV

STEREO (6OHM, 0.09%, 1KHz)	70W + 70W
5CH (6OHM, 0.3%, 1KHz)	
FRONT L, R	50W + 50W
CENTER	50W
REAR L,R	50W + 50W

S/N RATIO(INPUT SHORT, IHF A FILTER)	90dB(RZ3700AV/RZ5700AV),95dB(RZ7700AV)
SEPARATION(INPUT SHORT, 1KHz)	72dB
MINIMUM NOISE	0.3mV
CROSSTALK(1KHz)	73dB

TUNER

FM

USABLE SENSITIVITY(DISTORTION 3%)	2dBu
IMAGE REJECTION RATIO	80dB
S/N MONO	80dB
S/N STEREO	70dB
SEPARATION	40dB
TOTAL HARMONIC DISTORTION (MONO)	0.30%

AM

USABLE SENSITIVITY	51dB
S/N RATIO	50dB
TOTAL HARMONIC DISTORTION	0.6%

VIDEO Section

Input sensitivity and impedance	1.0 V P-P/75 ohms
Output level and impedance	1.0 V P-P/75 ohms

SURROUND Section

Delay time RZ-3700AV/RZ-5700AV

DOLBY SURROUND	15~30mS
THEATER SURROUND	5~50mS
HALL, DOME, NATURAL SURROUND	5~100mS

Delay time RZ-7700AV

DOLBY PRO LOGIC	
REAR SPEAKER	15~30mS
DOLBY DIGITAL	
CENTER SPEAKER	0~5mS
REAR SPEAKER	0~15mS

Others

Power requirements.	230V, 50/60 Hz
For Taiwan	120V (60 Hz)
For Europe	230V, 50 Hz
Power consumption	390 watts 490 VA
	560 watts Maximum / 1,300 watts Maximum(RZ-7700AV)
Dimensions	420 mm (16~15/16") W
	130 mm (5~11/16") H
	343 mm (13~13/16") D
Weight	14 kg (RZ-3700AV),15 kg (RZ-5700AV),13.5 kg (RZ-7700AV)

2. Adjustment(RZ-3700AV/RZ-5700AV/RZ-7700AV)

2-1 Instrument

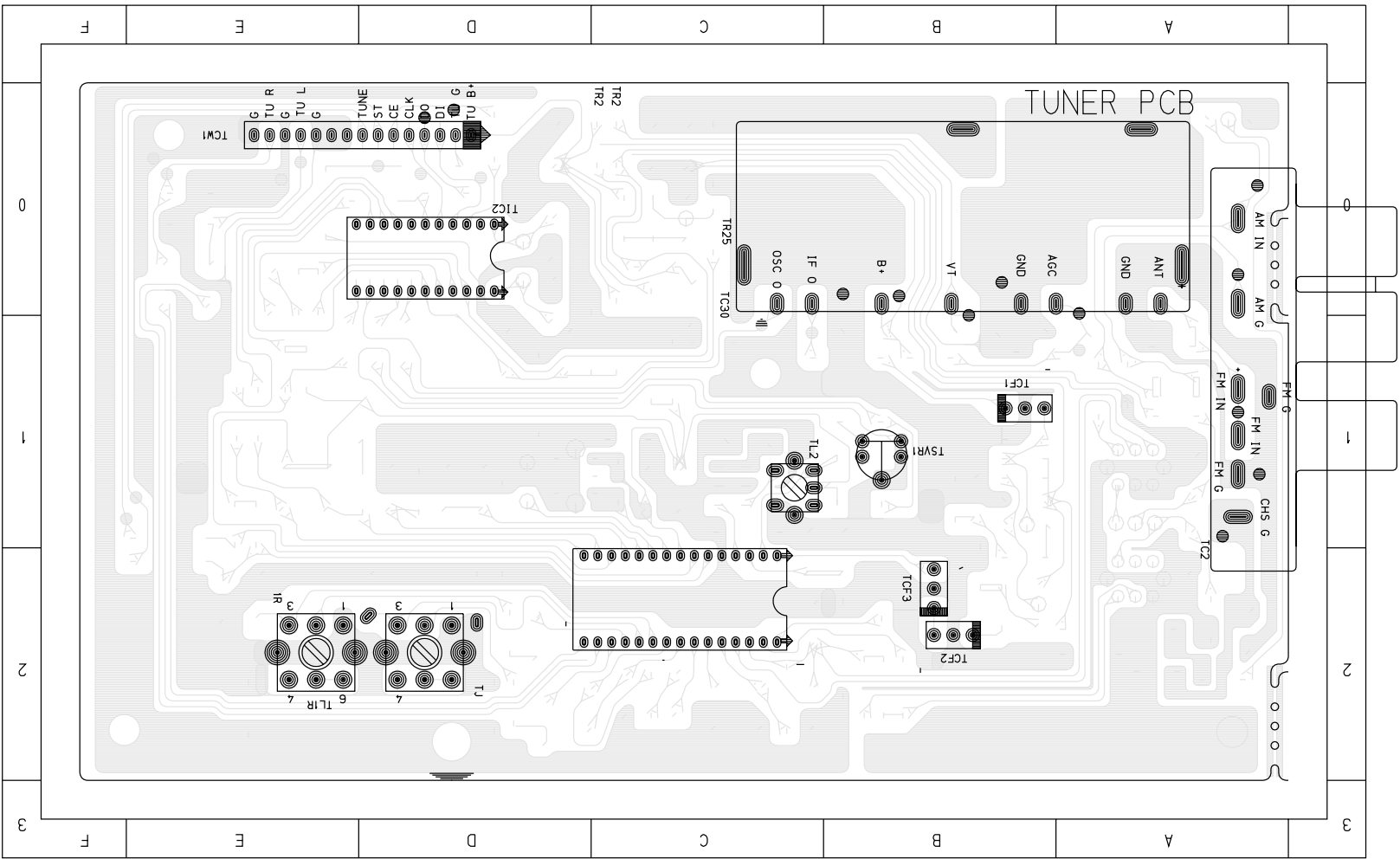


Fig 2-1 Location of Adjustment Point

2-1-1 Test Equipment

1. AM/FM Standard Signal Generator (S.S.G)
- FM : 1KHz, 75KHz(MOD) - AM :400Hz , 30% MOD - OUTPUT LEVEL : 50mW
2. Oscilloscope
3. VTVM
4. Frequency counter
5. Loop antenna
6. Dummy load (6Ω)
7. DC voltmeter
8. FM Stereo Modulator

2-1-2 Pre-Adjustment

1. Check the source voltage
2. Press TUNER/BAND to select the AM(MW) function.
3. Set the volume control to mid position.
4. Set volume control to approximately 50mW(6ohm)

2-2 Tuner Section

2-2-1 FM Adjustment

Step	Item	Connection	SSG.FREQ.	THD/AUTO SEARCH Adjustment	Adjust. Point	Remark
1	THD Adjustment	Fig 2-2	98 MHz	Minimum 0.5%	TL2	Best resonating point of SSG
2	FM Auto Serach Level	Fig 2-2	98 MHz	-	TSVR1	Turn SSG output 29dB

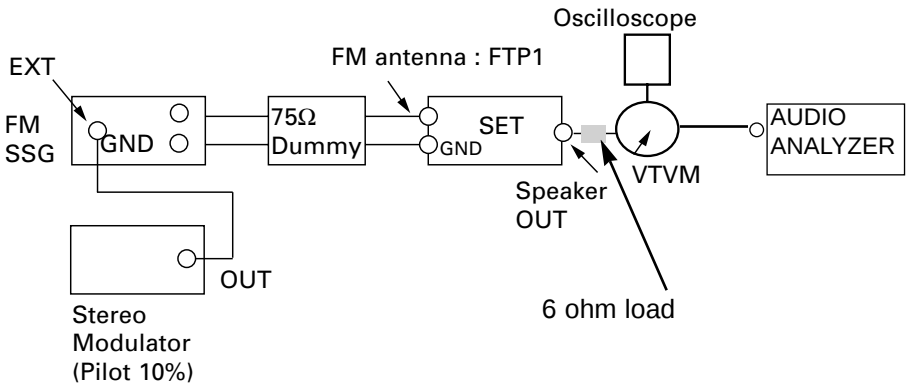


Fig. 2-2 FM Adjustment

2-2-2 AM Adjustment(2BAND)

Step	Item	Connection	SSG.FREQ.	FREQ. Setting	Adjust. Point	Remark
1	AM tracking adjustment	Fig 2-3	594 KHz	594 KHz	TL2 (BLK)	Maximum output

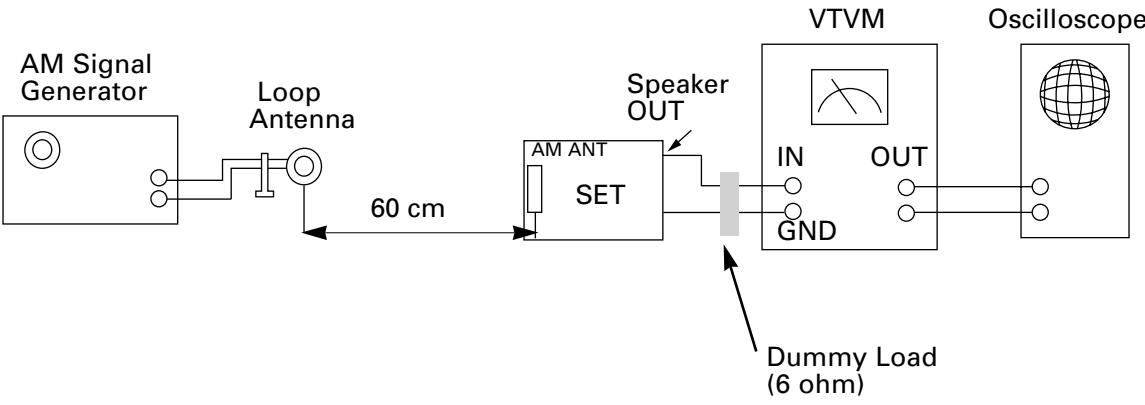
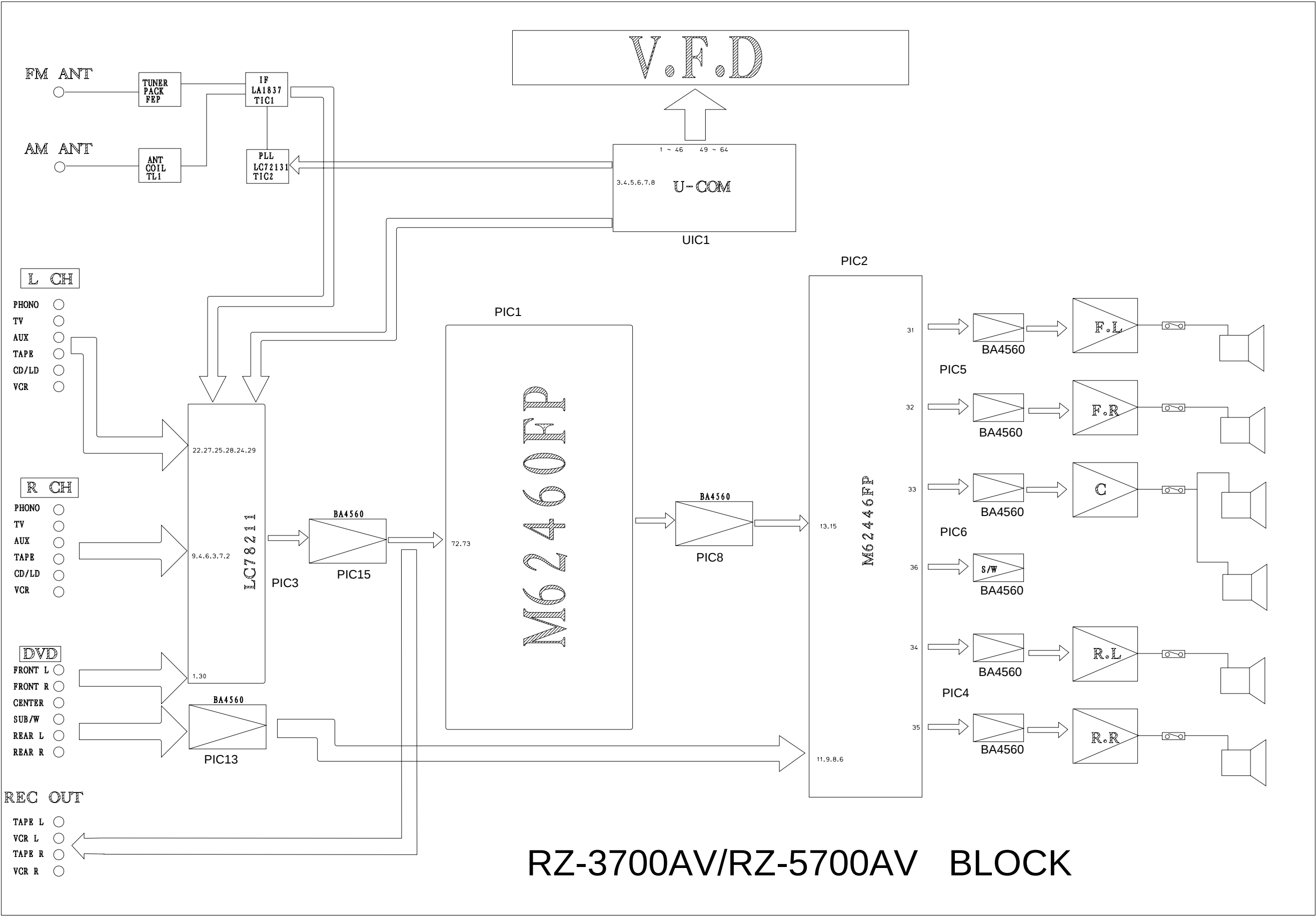
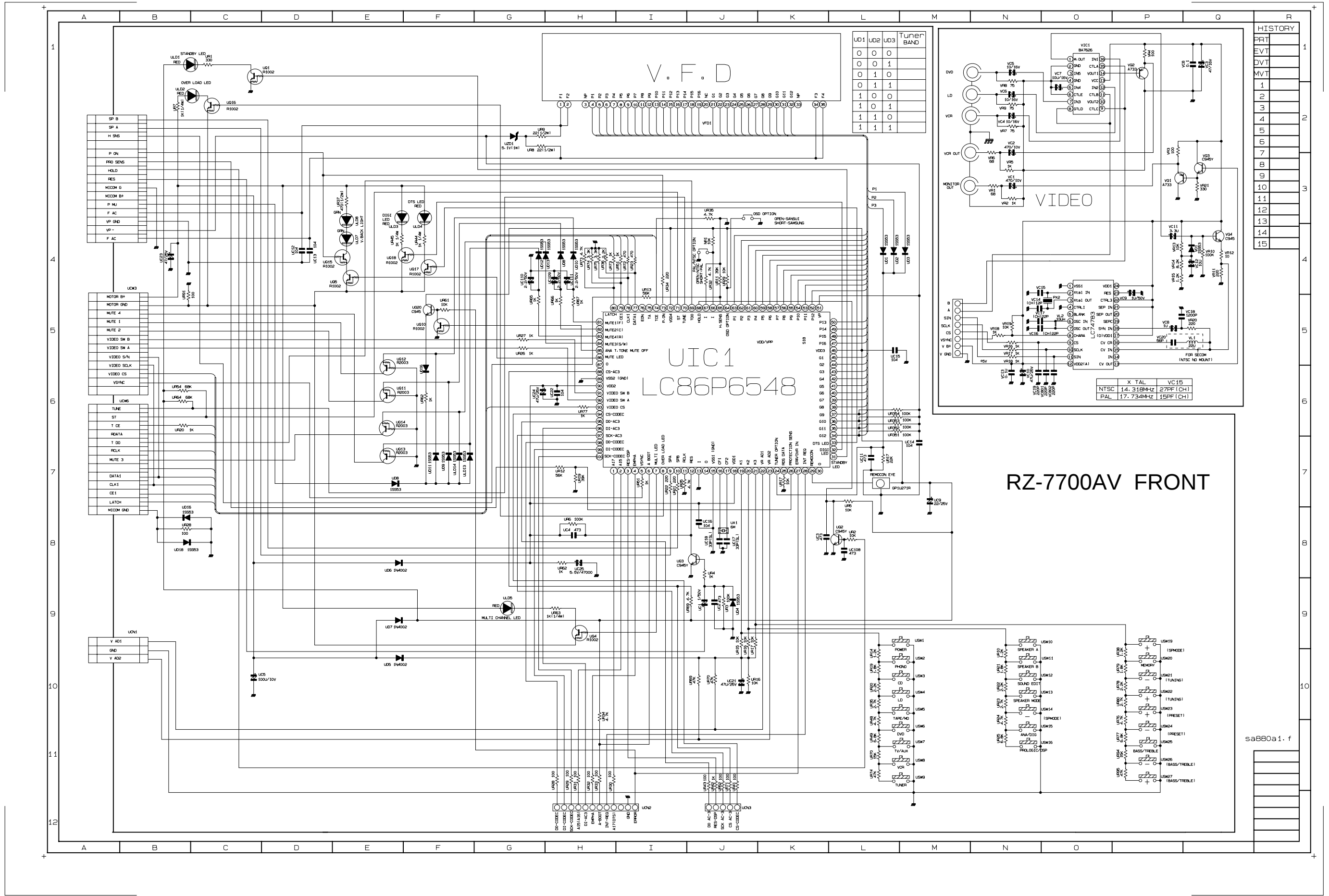


Fig . 2-3 AM Adjustment

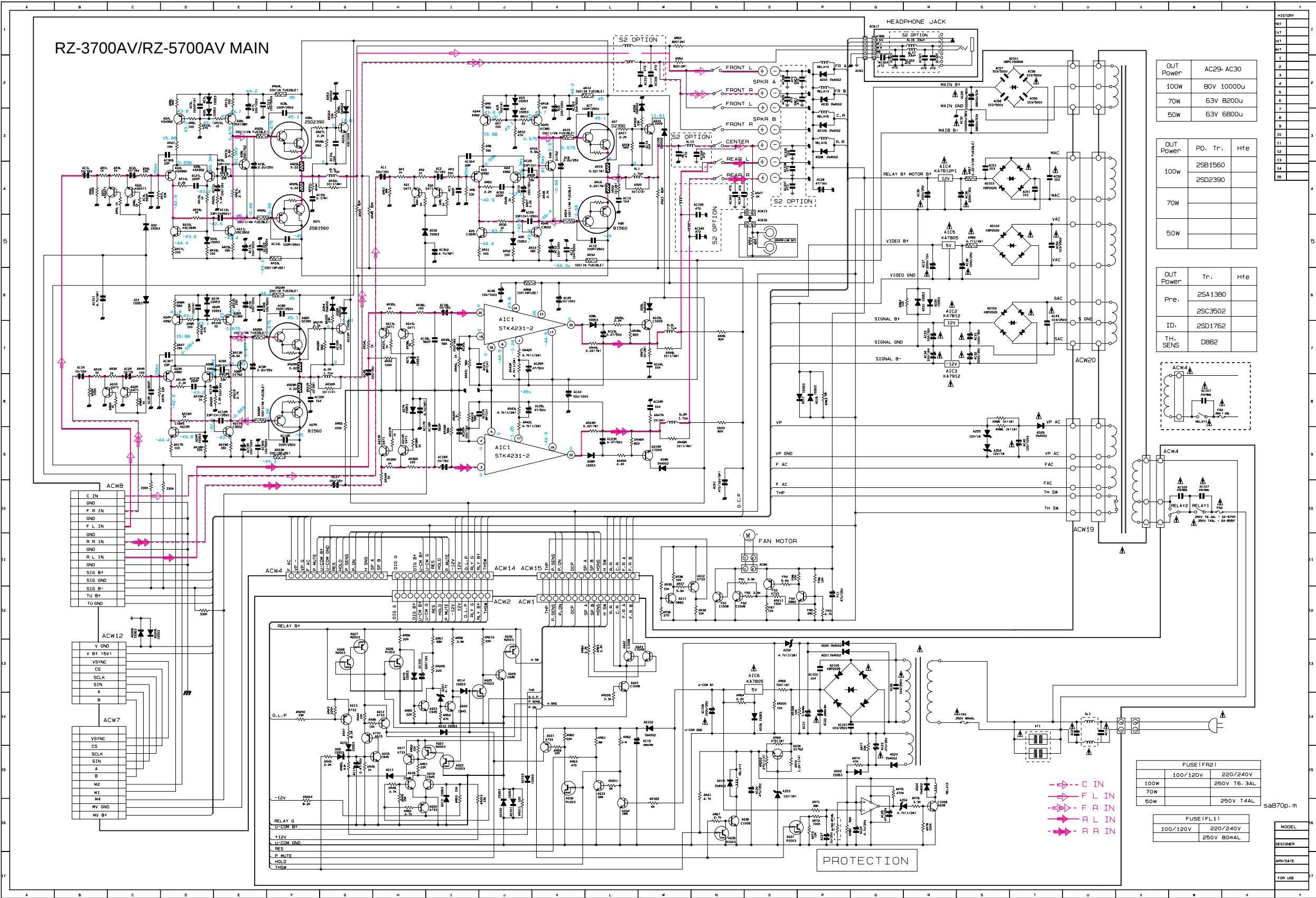
3. Block Diagram





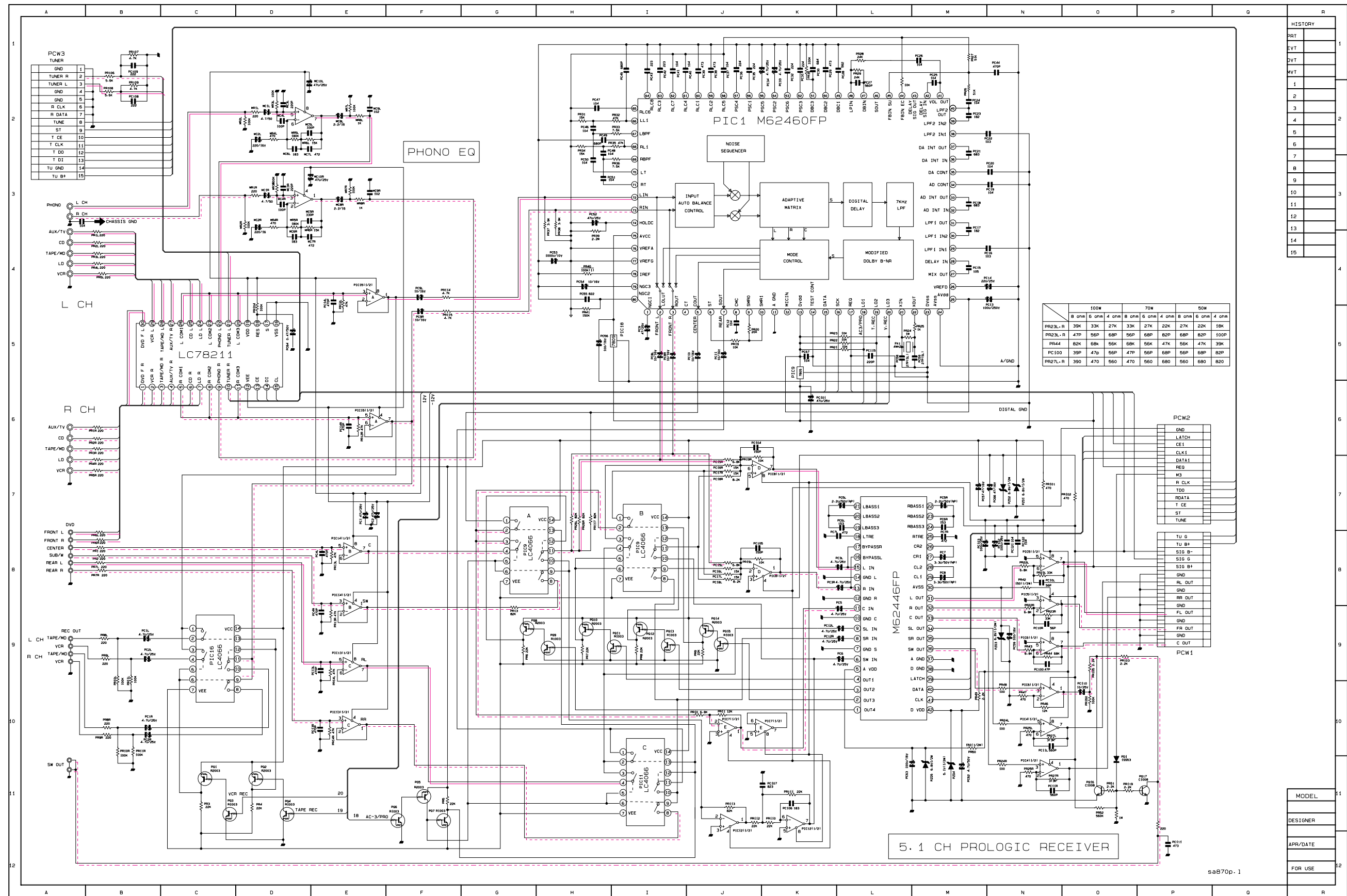


4-2 Main Part

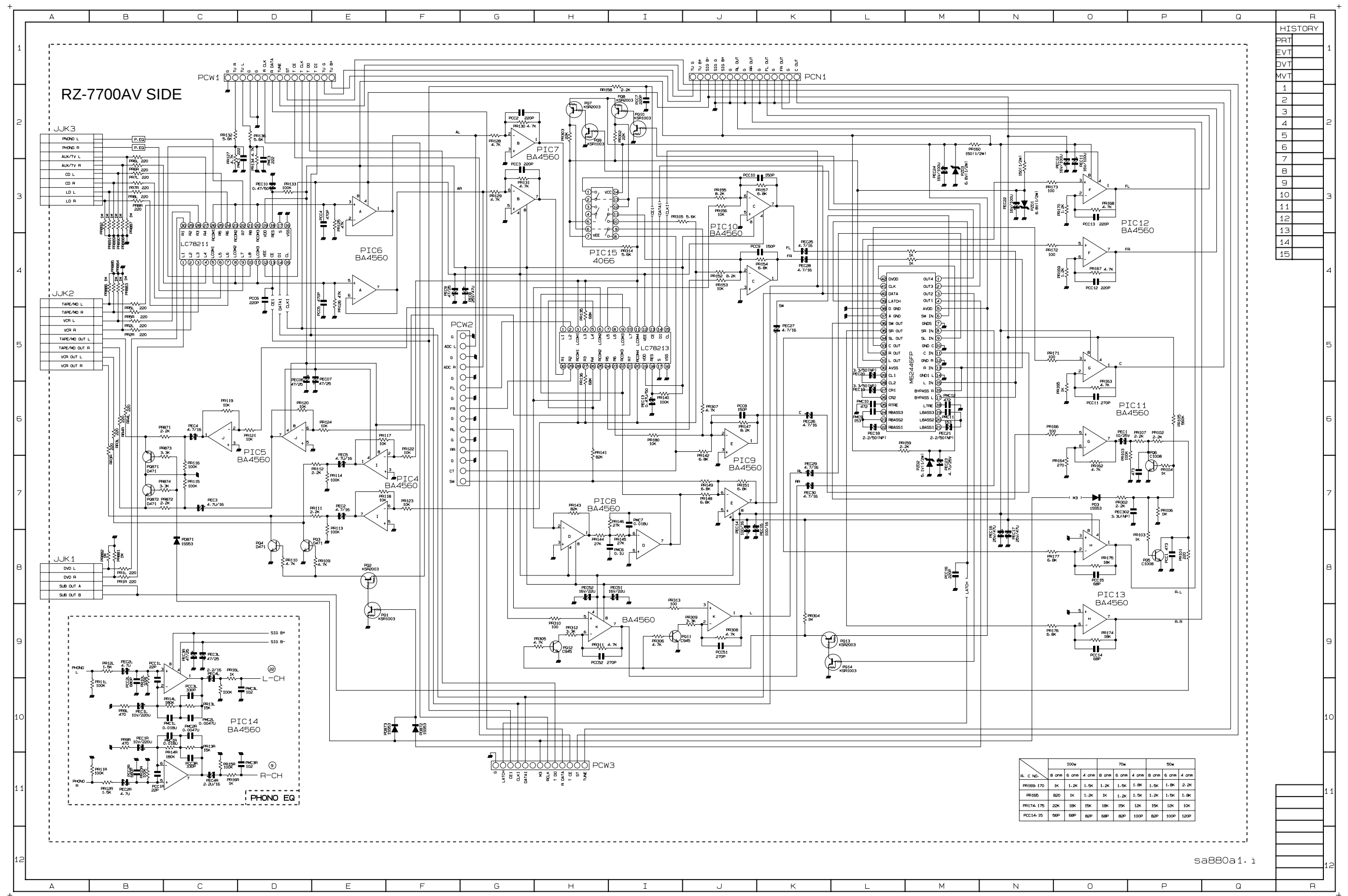


4-3 ProLogic Part(Only RZ-3700AV/RZ-5700AV)

RZ-3700AV/RZ-5700AV PROLOGIC

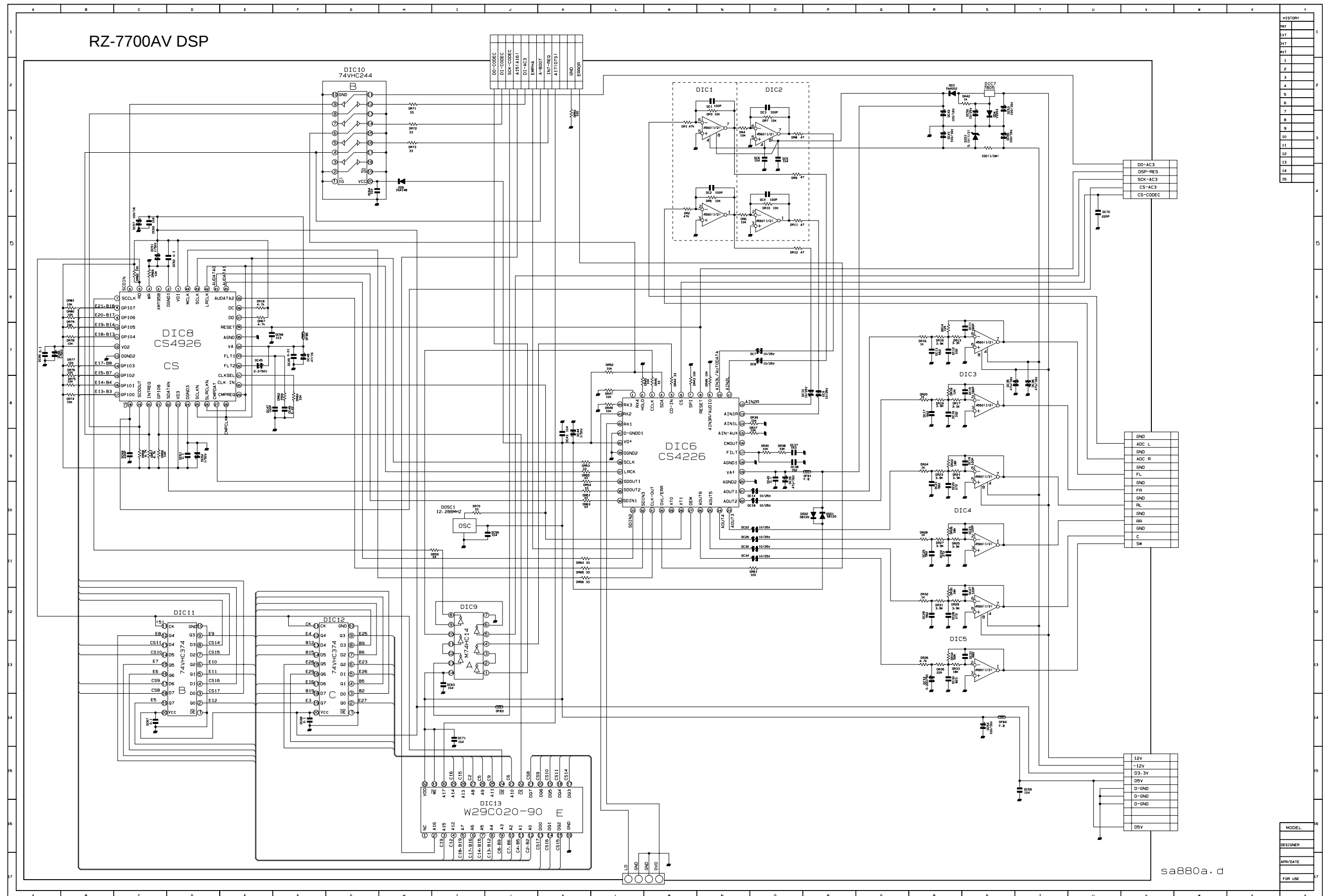


4-4 SIDE Part(Only RZ-7700AV)



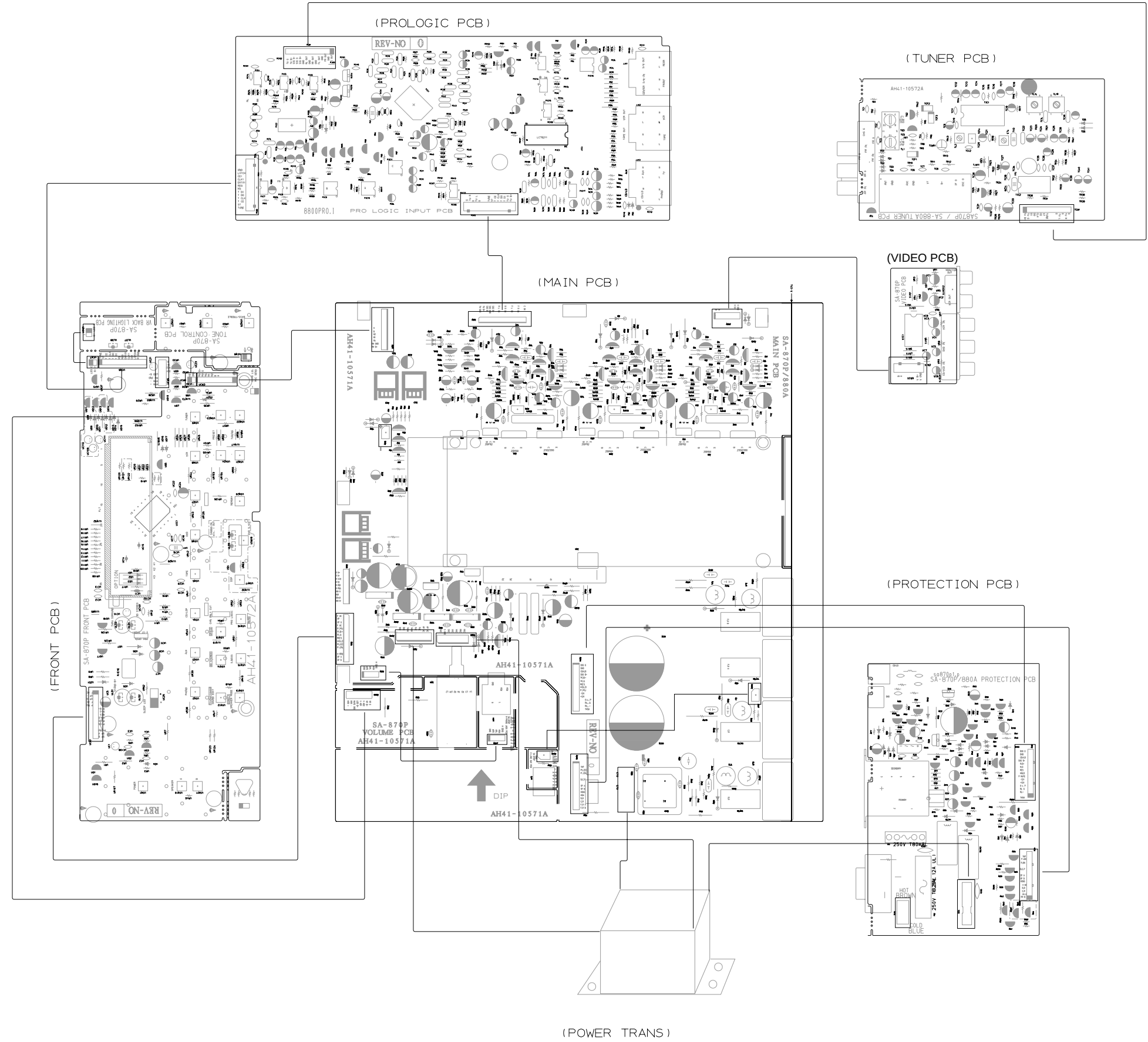


4-6 DSP Part(Only RZ-7700AV)

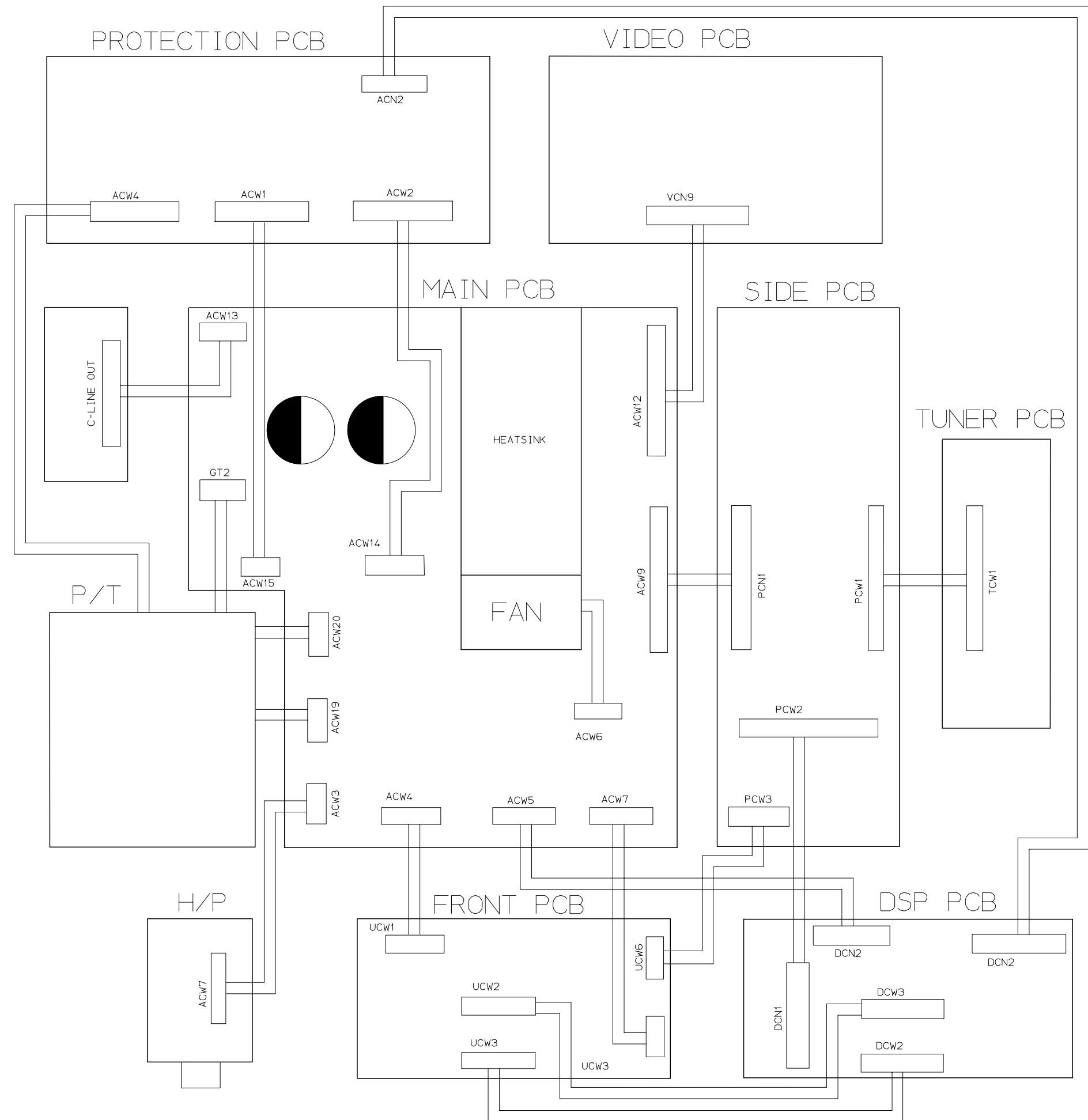


5. Wiring Diagram

RZ-3700AV/RZ-5700AV WIRING



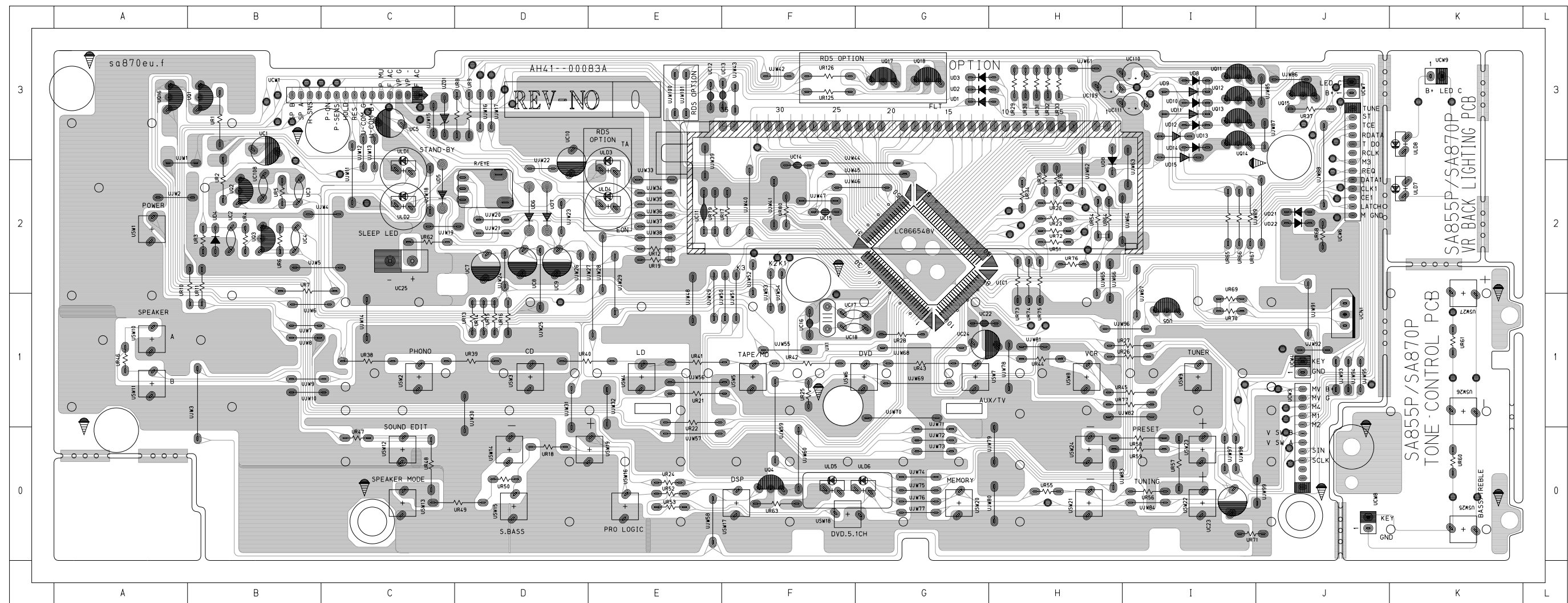
RZ-7700AV WIRING



6. Printed Circuit Board Diagram

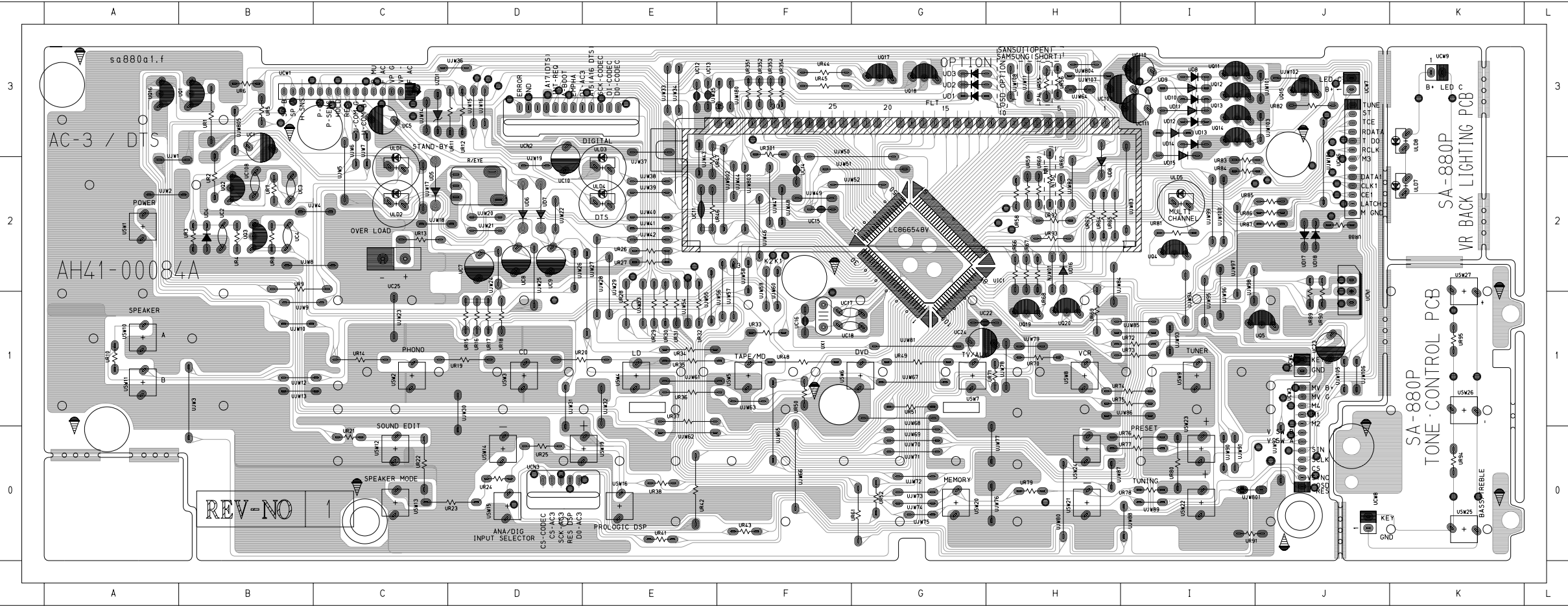
6-1 Front PCB

RZ-3700AV/RZ-5700AV FRONT



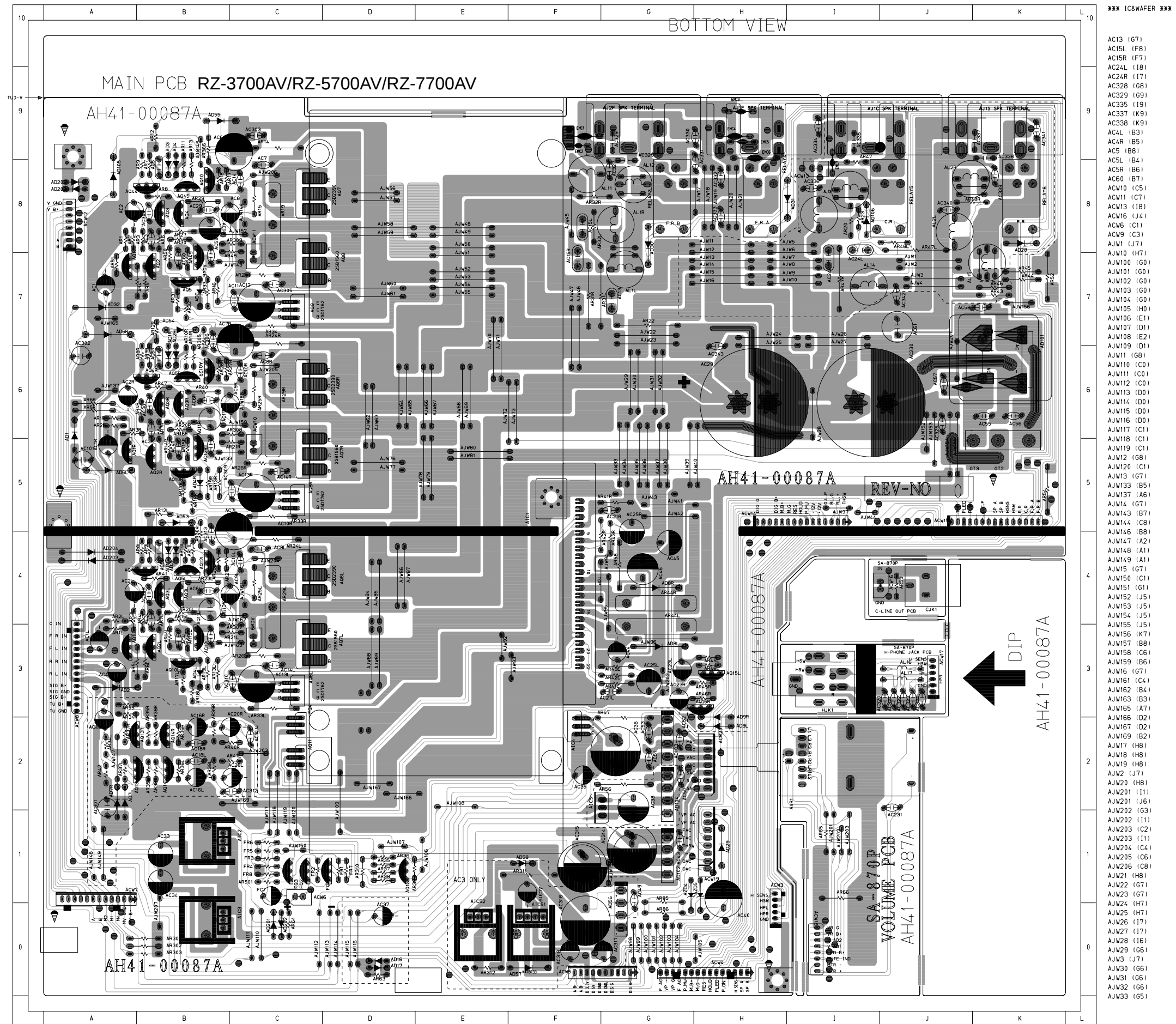
*** CONDENSER ***	*** DIODE ***	*** TR ***	*** IC&WAFER ***
UC1 (B3)	UD1 (G3)	UQ1 (B3)	UCN1 (J1)
UC10 (D3)	UD10 (I3)	UQ11 (I3)	USW18 (F0)
UC108 (B2)	UD11 (I3)	UQ12 (I3)	USW19 (E0)
UC11 (E2)	UD12 (I3)	UQ13 (I3)	USW2 (C1)
UC12 (E3)	UD13 (I3)	UQ14 (I3)	USW20 (G0)
UC13 (F3)	UD14 (I3)	UQ15 (J3)	USW21 (H0)
UC14 (F2)	UD15 (I3)	UQ16 (A3)	USW22 (I0)
UC15 (F2)	UD2 (G3)	UQ17 (G3)	USW23 (I0)
UC16 (F1)	UD21 (J2)	UQ18 (G3)	USW24 (H0)
UC17 (F1)	UD22 (J2)	UQ2 (B2)	USW25 (K0)
UC18 (F1)	UD3 (G3)	UQ3 (B2)	USW26 (K1)
UC2 (B2)	UD4 (B2)	UQ4 (F0)	USW27 (K2)
UC22 (G1)	UD8 (H2)	UQ5 (I1)	USW3 (D1)
UC23 (I0)	UD9 (I3)		USW4 (E1)
UC24 (G1)	UDZ1 (C3)		USW5 (F1)
UC3 (B2)			USW6 (G1)
UC4 (B2)			USW7 (G1)
UC5 (C3)			USW8 (H1)
UC7 (D2)			USW9 (I1)
UC8 (D2)			
UC9 (D2)			

RZ-7700AV FRONT

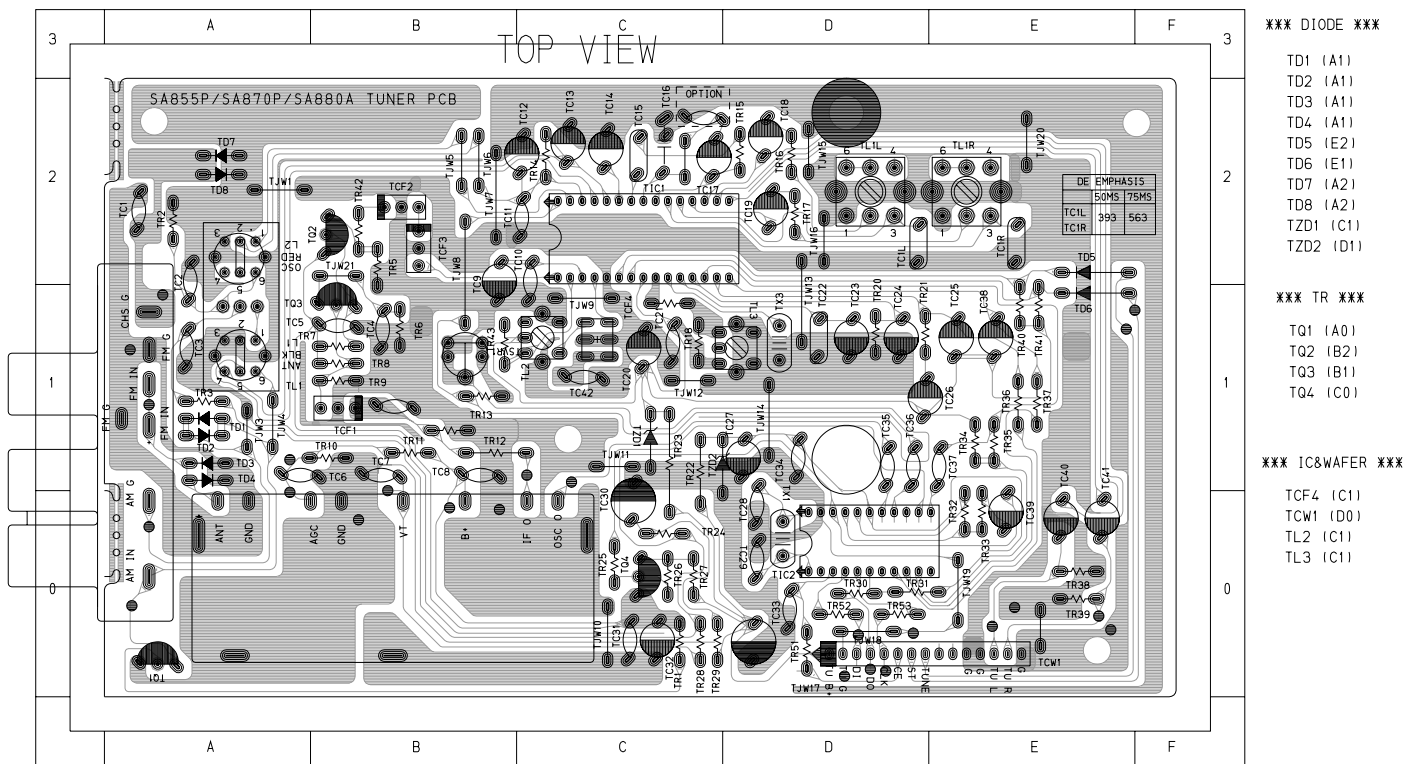


*** DIODE ***	*** IC&WAFER ***
UD1 (G3)	UCN1 (J2)
UD10 (I3)	UCW1 (C3)
UD11 (I3)	UCW3 (J0)
UD12 (I3)	UCW4 (J1)
UD13 (I3)	UCW6 (J2)
UD14 (I3)	UCW7 (J3)
UD15 (I3)	UCW8 (J0)
UD16 (H2)	UCW9 (K3)
UD17 (J2)	USW1 (A2)
UD18 (J2)	USW10 (A1)
UD2 (G3)	USW11 (A1)
UD3 (G3)	USW12 (C0)
UD4 (B2)	USW13 (C0)
UD8 (H2)	USW14 (D0)
UD8 (I3)	USW15 (D0)
UD9 (I3)	USW16 (E0)
UZD1 (C3)	USW19 (E0)
	USW2 (C1)
*** TR ***	USW20 (G0)
UQ1 (B3)	USW21 (H0)
UQ11 (I3)	USW22 (I0)
UQ12 (I3)	USW23 (I0)
UQ13 (I3)	USW24 (H0)
UQ14 (I3)	USW25 (K0)
UQ15 (J3)	USW26 (K1)
UQ16 (A3)	USW27 (K2)
UQ17 (G3)	USW3 (D1)
UQ18 (G3)	USW4 (E1)
UQ19 (H1)	USW5 (F1)
UQ2 (B2)	USW6 (G1)
UQ20 (H1)	USW7 (G1)
UQ3 (B2)	USW8 (H1)
UQ4 (I2)	USW9 (I1)
UQ5 (I1)	

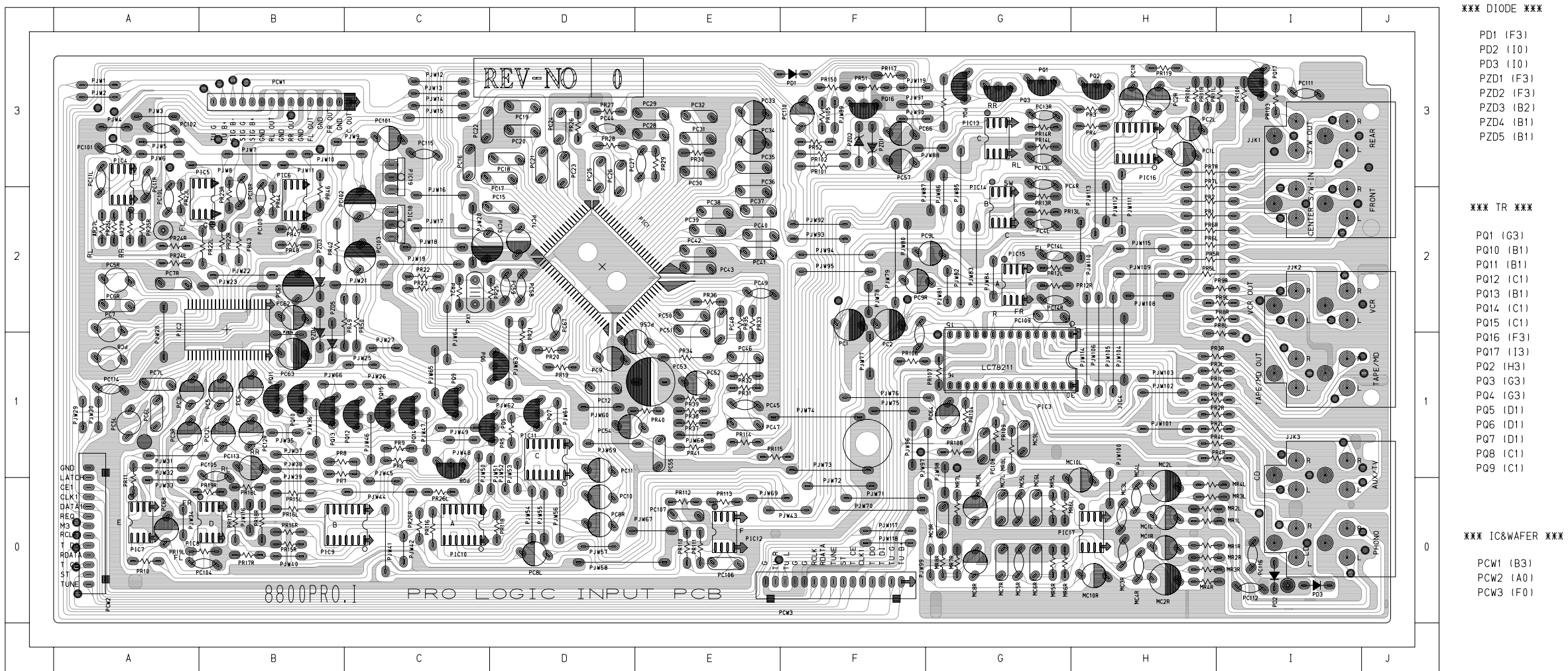
6-2 Main PCB(RZ-3700AV/RZ-5700AV/RZ-7700AV)



6-3 Tuner PCB(RZ-3700AV/RZ-5700AV/RZ-7700AV)

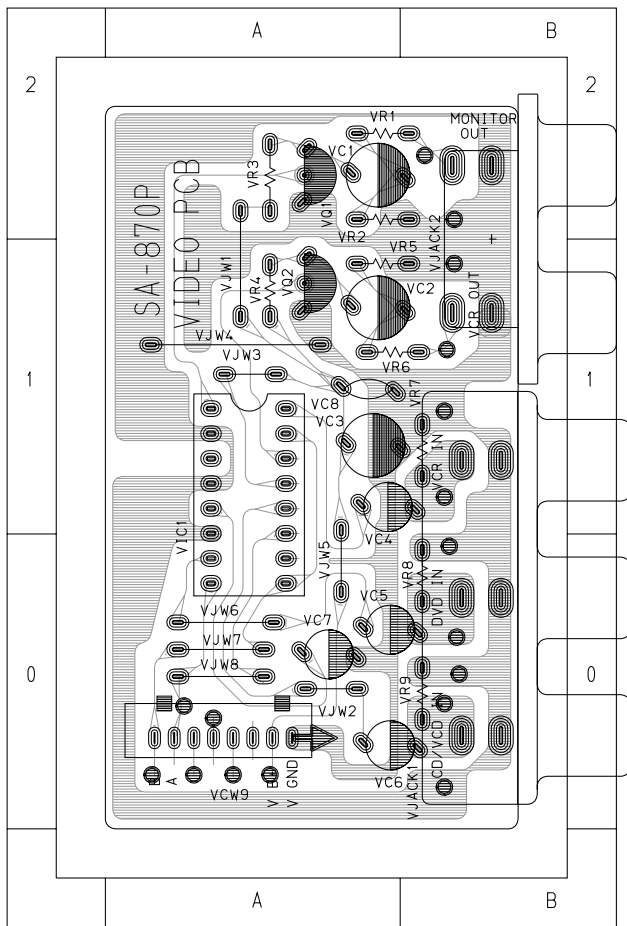


6-4 Pro-Logic PCB(only RZ-3700AV/RZ-5700AV)



6-5 Video PCB

RZ-3700AV/RZ-5700AV VIDEO



*** CONDENSER ***

- VC1 (A2)
- VC2 (A1)
- VC3 (A1)
- VC4 (A1)
- VC5 (A0)
- VC6 (A0)
- VC7 (A0)
- VC8 (A1)

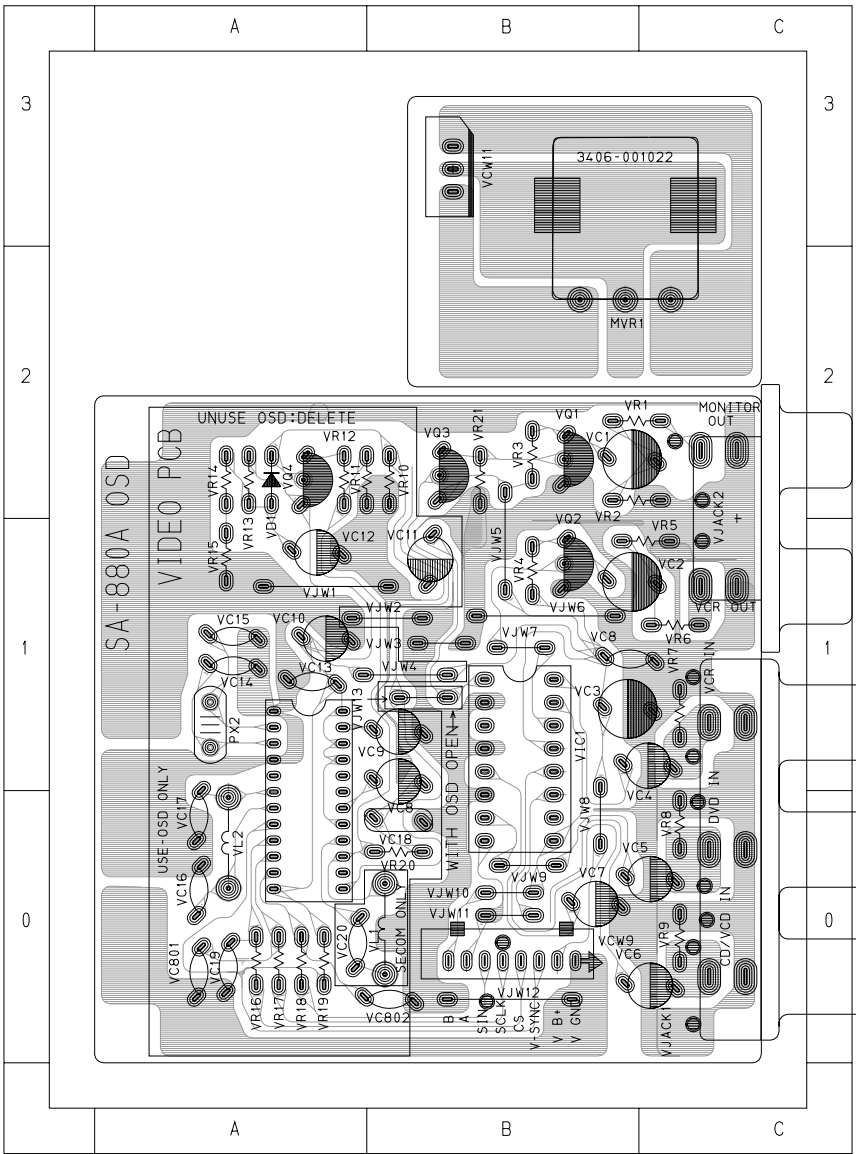
*** TR ***

- VQ1 (A2)
- VQ2 (A1)

*** IC&WAFER ***

- VCW9 (A0)
- VIC1 (A1)

RZ-7700AV VIDEO



*** DIODE ***

- VD1 (A2)

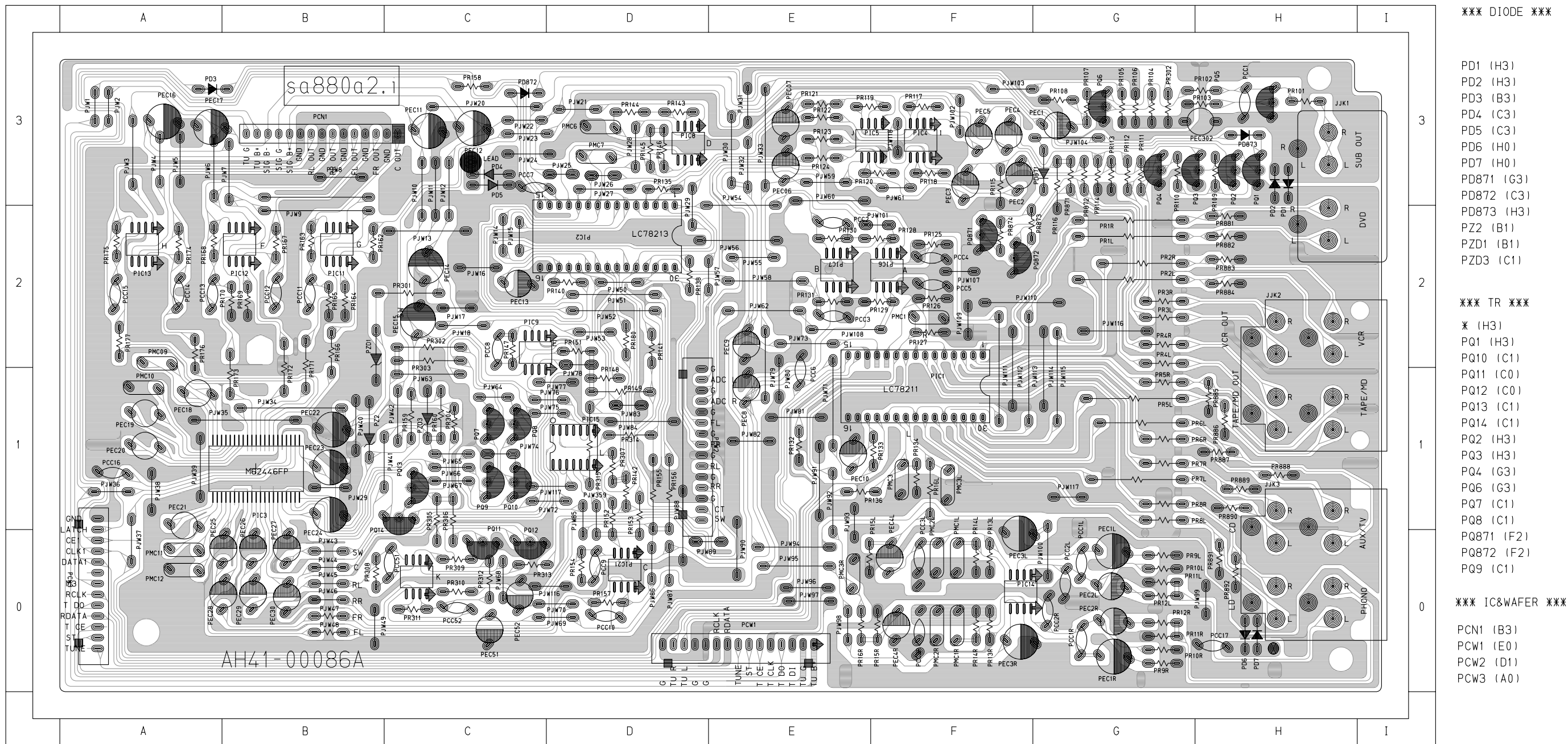
*** TR ***

- VQ1 (B2)
- VQ2 (B1)
- VQ3 (B2)
- VQ4 (A2)

*** IC&WAFER ***

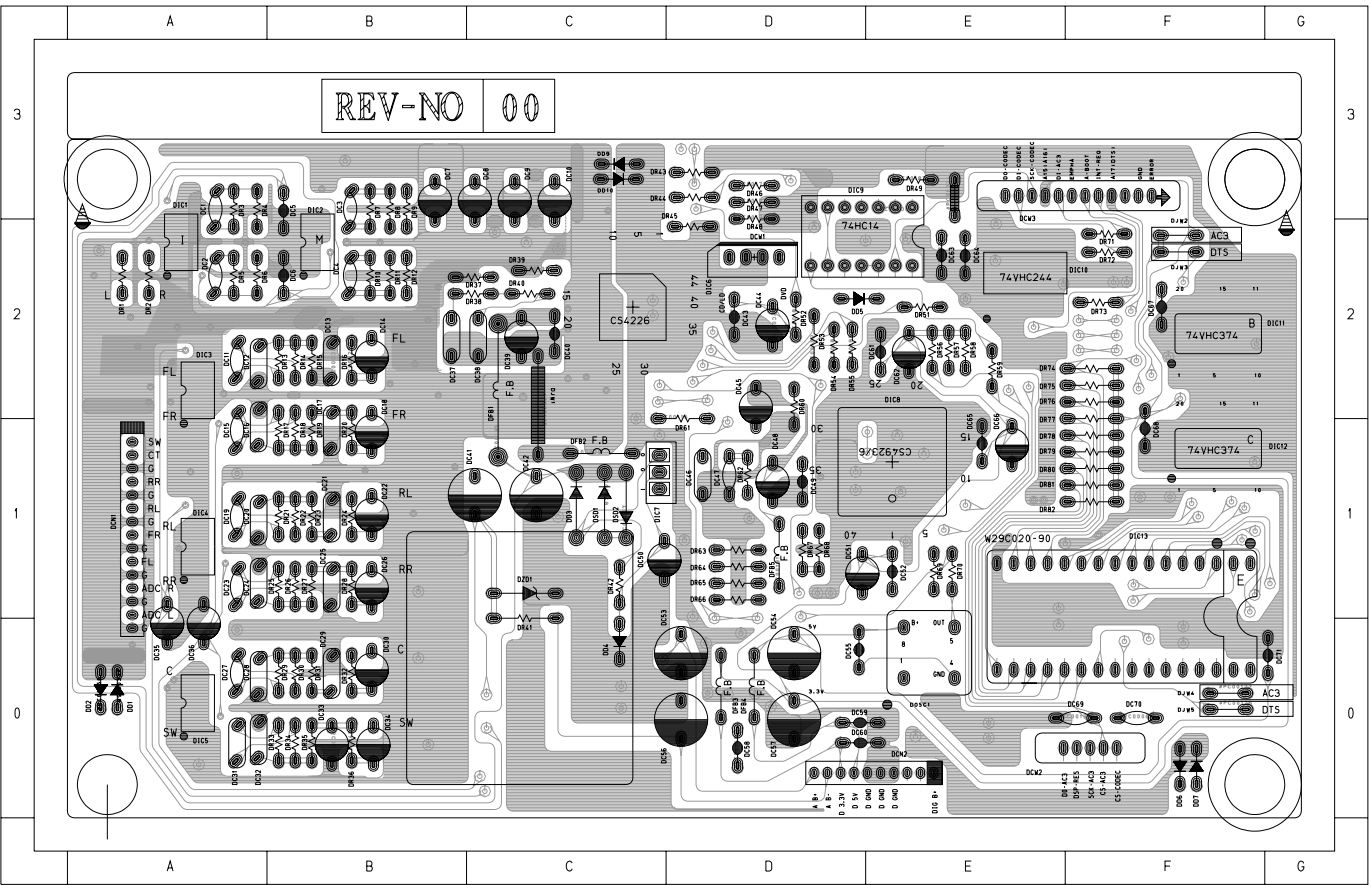
- * (A1)
- VCW11 (B3)
- VCW9 (B0)
- VIC1 (B1)

6-7 SIDE PCB(only RZ-7700AV)

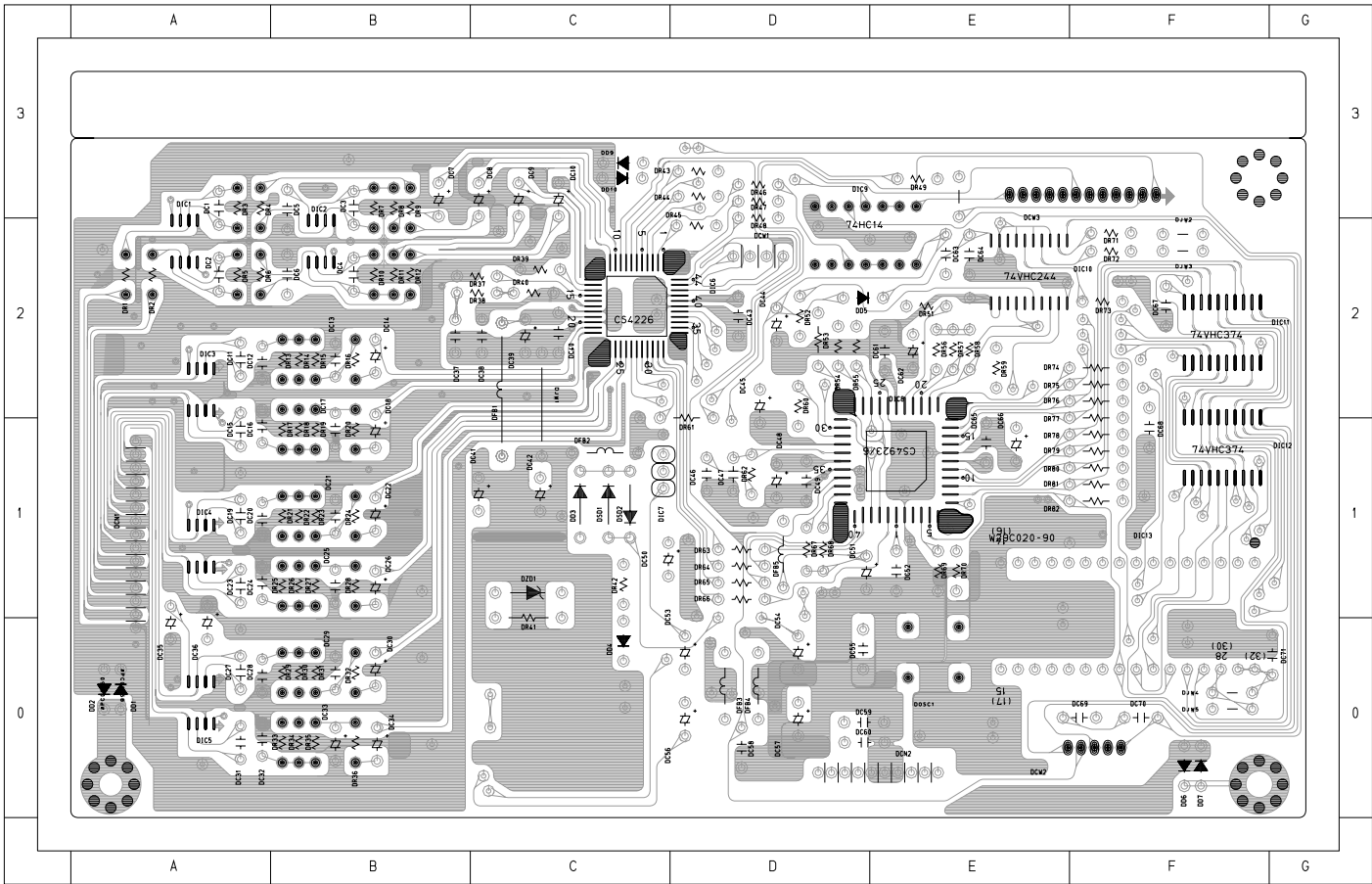


6-8 DSP PCB(only RZ-7700AV)

*TOP VIEW

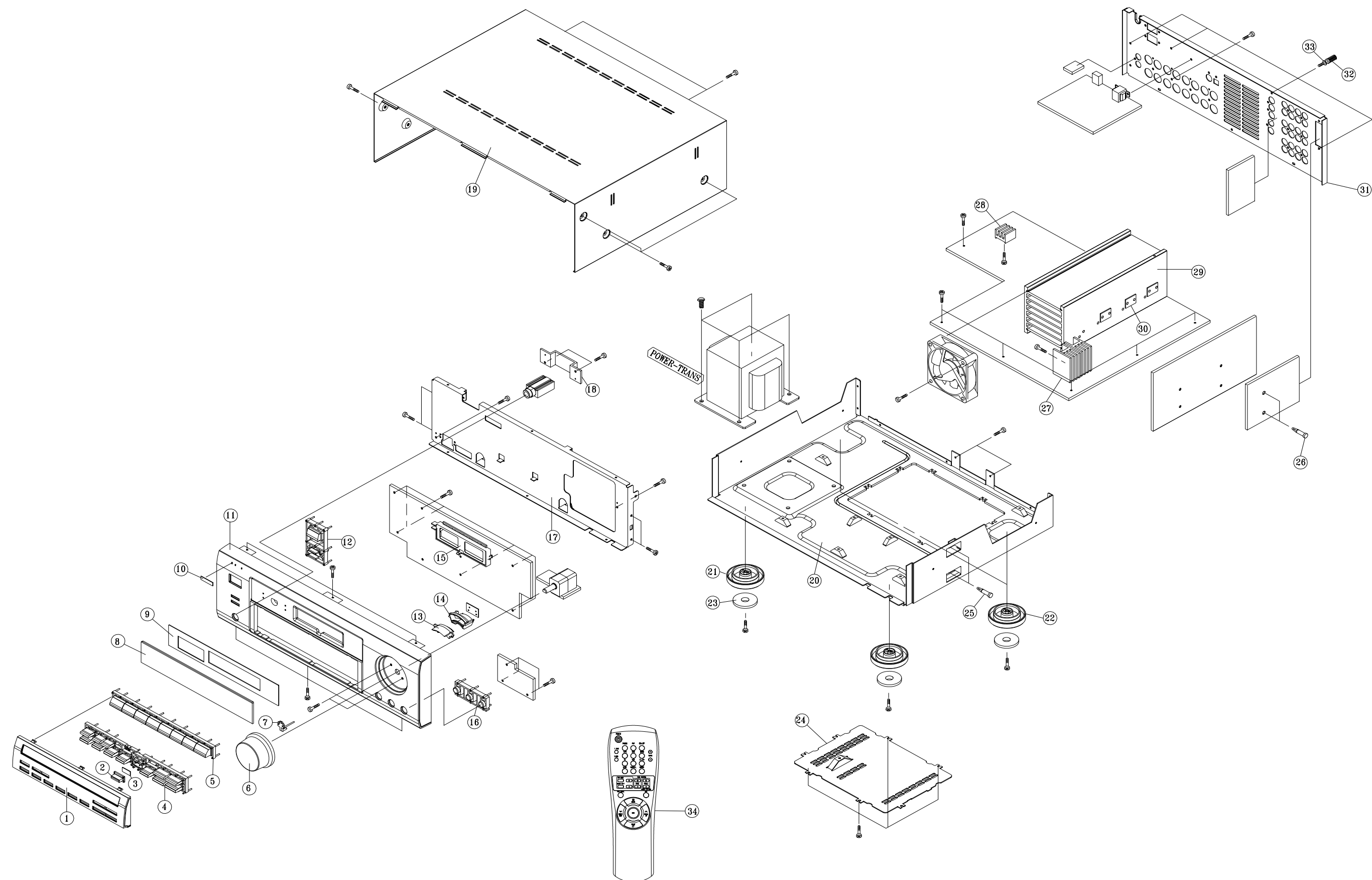


*BOTTOM VIEW



7. Exploded Views and Parts List

7-1 RZ-3700AV/RZ-5700AV

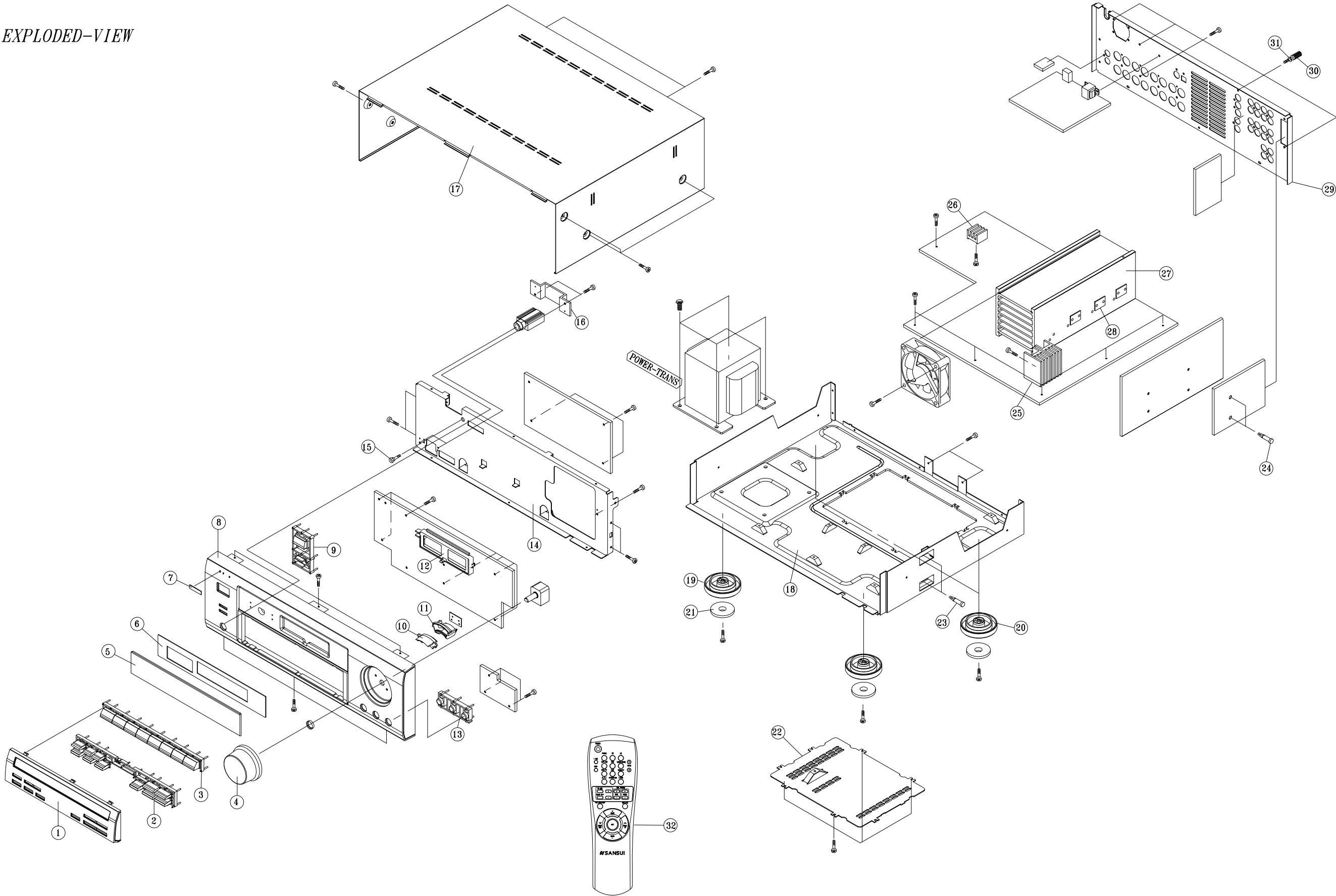


Parts List(RZ-3700AV/RZ-5700AV)

No.	Code No.	Description	Specification	Q'ty	Use Model
1	AH61-20522D	CAP-FRONT.A	ABS GOLD	1	
1	AH61-20522E	CAP-FRONT.A	ABS BLK	1	
2	AH67-12006A	LENS-AC3	PMMA CLEAR	1	
3	AH67-40035A	FILTER-LENS	PC 0.16T	1	
4	AH64-11284A	KNOB-AC3	ABS BLK	1	
4	AH64-11284B	KNOB-AC3	ABS GOLD	1	
5	AH64-11283C	KNOB-FUNCTION	ABS GOLD	1	
5	AH64-11283D	KNOB-FUNCTION	ABS BLK	1	
6	AH64-00330A	KNOB-VOLUME	ABS BLK	1	
6	AH64-00330B	KNOB-VOLUME	ABS GOLD	1	
7	AH64-42013D	WINDOW-FLT	ACRYL 2.0T	1	
8	AH68-52045A	LABEL-FLT	TOYO TAPE	1	
9	AH64-00228L	BADGE-BRAND	"AL L35,SILVER"	1	
9	AH64-00228M	BADGE-BRAND	"AL L35,GOLD "	1	
10	AH64-30433F	CABINET-FRONT	ABS GOLD	1	RZ5700AV
10	AH64-30433G	CABINET-FRONT	ABS BLK	1	RZ5700AV
10	AH64-30433H	CABINET-FRONT	ABS BLK	1	RZ3700AV
10	AH64-30433J	CABINET-FRONT	ABS GOLD	1	RZ3700AV
11	AH64-11282B	KNOB-POWER	ABS GOLD	1	
11	AH64-11282C	KNOB-POWER	ABS BLK	1	
12	AH67-12007A	LENS-INDICATOR	ACRYL CLEAR	1	
13	AH61-20526A	HOLDER-INDICATOR	ABS WHT	1	
14	AH61-20524A	HOLDER-FLT	ABS BLK	1	
15	AH64-11286A	KNOB-BASS	ABS BLK	1	
15	AH64-11286B	KNOB-BASS	ABS GOLD	1	
16	AH61-12005A	CHASSIS-FRONT	SECC 1.0T	1	
17	AH61-10753A	BRACKET-MIC	SECC 1.0T	1	
18	AH64-30435A	CABINET-TOP	PCM 0.9T GRAY	1	
18	AH64-30435B	CABINET-TOP	PCM 0.9T GOLD	1	
19	AH64-30434A	CABINET-BOTTOM	SECC 1.2T	1	
20	AH64-80037B	FOOT	ABS GOLD	2	
21	AH64-80037A	FOOT	ABS	2	
22	AH69-22007A	CUSHION-FOOT	RUBBER	4	
23	AH63-32001A	COVER-BOTTOM	SECC 1.2T	1	
24	AH65-32001A	"CLAMP-SPACE,A"	DALS-22N	2	
25	AH65-32002A	"CLAMP-SPACE,B"	DALS-10N	2	
26	AH62-30061A	HEAT-SINK S	AL EXTR	2	
27	AH62-32008A	HEAT-SINK TR	AL EXTR	1	RZ3700AV
27	AH62-32012A	HEAT-SINK TR	AL EXTR	1	RZ5700AV
28	AH62-32005A	HEAT-SINK M	AL EXTR	1	
29	AH62-10024A	INSULATION-RUBBER	INSULATION SHEET	3	
30	AH64-30436E	CABINET-REAR	SECC 1.0T EP2	1	
30	AH64-30436K	CABINET-REAR	SECC 1.0T CP2	1	
31	13104-501-630	TERMINAL-SCREW	SPC1+ABS BLK	1	
32	AH60-30007A	WASHER-PLAIN	ID4.5 OD10 T1	1	
33	AH59-10138C	REMOCON ASSY	BU2478-2Z	1	

7-2 RZ-7700AV

EXPLODED-VIEW



Parts List(RZ-7700AV)

No.	Code No.	Description	Specification	Q'ty
1	AH61-20523C	CAP-FRONT.R	ABS GOLD	1
1	AH61-20523D	CAP-FRONT.R	ABS BLK	1
2	AH64-11285A	KNOB-RECEIVER	ABS BLK	1
2	AH64-11285B	KNOB-RECEIVER	ABS GOLD	1
3	AH64-11283C	KNOB-FUNCTION	ABS GOLD	1
3	AH64-11283D	KNOB-FUNCTION	ABS BLK	1
4	AH64-00330A	KNOB-VOLUME	ABS BLK	1
4	AH64-00330B	KNOB-VOLUME	ABS GOLD	1
5	AH64-42013B	WINDOW-FLT	ACRYL 2.0T	1
6	AH68-52045A	LABEL-FLT	TOYO TAPE	1
7	AH64-00228L	BADGE-BRAND	"AL L35,SILVER"	1
7	AH64-00228M	BADGE-BRAND	"AL L35,GOLD "	1
8	AH64-30433C	CABINET-FRONT	ABS BLK	1
8	AH64-30433E	CABINET-FRONT	ABS GOLD	1
9	AH64-11282B	KNOB-POWER	ABS GOLD	1
9	AH64-11282C	KNOB-POWER	ABS BLK	1
10	AH67-12007A	LENS-INDICATOR	ACRYL CLEAR	1
11	AH61-20526A	HOLDER-INDICATOR	ABS WHT	1
12	AH61-20524A	HOLDER-FLT	ABS BLK	1
13	AH64-11286A	KNOB-BASS	ABS BLK	1
13	AH64-11286B	KNOB-BASS	ABS GOLD	1
14	AH61-12005A	CHASSIS-FRONT	SECC 1.0T	1
15	AH65-32002B	"CLAMP-SPACE,C"	DALS-12N-1	1
16	AH61-10753A	BRACKET-MIC	SECC 1.0T	1
17	AH64-30435A	CABINET-TOP	PCM 0.9T GRAY	1
17	AH64-30435B	CABINET-TOP	PCM 0.9T GOLD	1
18	AH64-30434A	CABINET-BOTTOM	SECC 1.2T	1
19	AH64-80037B	FOOT	ABS GOLD	2
20	AH64-80037A	FOOT	ABS	2
21	AH69-22007A	CUSHION-FOOT	RUBBER	4
22	AH63-32001A	COVER-BOTTOM	SECC 1.2T	1
23	AH65-32001A	"CLAMP-SPACE,A"	DALS-22N	2
24	AH65-32002A	"CLAMP-SPACE,B"	DALS-10N	2
25	AH62-30061A	HEAT-SINK S	AL EXTR	2
26	AH62-32012A	HEAT-SINK TR	AL EXTR	1
27	AH62-32005A	HEAT-SINK M	AL EXTR	1
28	AH62-10024A	INSULATION-RUBBER	INSULATION SHEET	3
29	AH64-30436H	CABINET-REAR	SECC 1.0T CP2	1
29	AH64-30436M	CABINET-REAR	SECC 1.0T EP2	1
30	13104-501-630	TERMINAL-SCREW	SPC1+ABS BLK	1
31	AH60-30007A	WASHER-PLAIN	ID4.5 OD10 T1	1
32	AH59-10133B	REMOCON ASSY	BU2478-2Z	1

Location no.	Code no.	Description & Specification	Remarks	Location no.	Code no.	Description & Specification	Remarks
DR35	2001-000522	R-CARBON:22KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC41	2401-001895	C-AL:100uF,20%,16V,GP,6.3x11mm,2.5m	
DR13	2001-000591	R-CARBON:3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC42	2401-001895	C-AL:100uF,20%,16V,GP,6.3x11mm,2.5m	
DR17	2001-000591	R-CARBON:3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC53	2401-001895	C-AL:100uF,20%,16V,GP,6.3x11mm,2.5m	
DR15	2001-000613	R-CARBON:3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC54	2401-001895	C-AL:100uF,20%,16V,GP,6.3x11mm,2.5m	
DR19	2001-000613	R-CARBON:3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC56	2401-001895	C-AL:100uF,20%,16V,GP,6.3x11mm,2.5m	
DR21	2001-000613	R-CARBON:3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC57	2401-001895	C-AL:100uF,20%,16V,GP,6.3x11mm,2.5m	
DR23	2001-000613	R-CARBON:3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC44	2401-001912	C-AL:1uF,20%,50V,GP,5x11mm,2mm,BK	
DR25	2001-000613	R-CARBON:3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC51	2401-001912	C-AL:1uF,20%,50V,GP,5x11mm,2mm,BK	
DR27	2001-000613	R-CARBON:3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC62	2401-001912	C-AL:1uF,20%,50V,GP,5x11mm,2mm,BK	
DR29	2001-000613	R-CARBON:3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC66	2401-001912	C-AL:1uF,20%,50V,GP,5x11mm,2mm,BK	
DR31	2001-000613	R-CARBON:3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC35	2401-001975	C-AL:47uF,20%,16V,GP,TP,5X11MM,5	
DR38	2001-000660	R-CARBON:33KOHM,5%,1/8W,AA,TP,1.8X3.2MM		DC36	2401-001975	C-AL:47uF,20%,16V,GP,TP,5X11MM,5	
DR43	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DC39	2401-001975	C-AL:47uF,20%,16V,GP,TP,5X11MM,5	
DR46	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DC48	2401-001975	C-AL:47uF,20%,16V,GP,TP,5X11MM,5	
DR51	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DC45	2401-002180	C-AL:2.2uF,20%,50V,GP,TP,5X11.5MM	
DR53	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DFB1	3301-000325	CORE-FERRITE BEAD,AB,3.2x2.5x1.3mm,-,-	
DR54	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DFB2	3301-000325	CORE-FERRITE BEAD,AB,3.2x2.5x1.3mm,-,-	
DR55	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DFB3	3301-000325	CORE-FERRITE BEAD,AB,3.2x2.5x1.3mm,-,-	
DR59	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DFB4	3301-000325	CORE-FERRITE BEAD,AB,3.2x2.5x1.3mm,-,-	
DR63	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DFB5	3301-000325	CORE-FERRITE BEAD,AB,3.2x2.5x1.3mm,-,-	
DR64	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DJW1	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1.0.5MM,-,-	
DR65	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DJW3	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1.0.5MM,-,-	
DR66	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DJW5	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1.0.5MM,-,-	
DR70	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM		DR50	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4MM,1.0.5MM,-,-	
DR71	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR72	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR73	2001-000666	R-CARBON:33OHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR36	2001-000734	R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR57	2001-000734	R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR58	2001-000734	R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR67	2001-000734	R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR68	2001-000734	R-CARBON:4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR1	2001-000786	R-CARBON:47KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR2	2001-000786	R-CARBON:47KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR11	2001-000793	R-CARBON:47OHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR12	2001-000793	R-CARBON:47OHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR8	2001-000793	R-CARBON:47OHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR9	2001-000793	R-CARBON:47OHM,5%,1/8W,AA,TP,1.8X3.2MM					
DR34	2001-000864	R-CARBON:56KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
DC1	2201-000146	C-CERAMIC,DISC,0.1nF,5%,50V,SL,TP,5x3.5,5					
DC2	2201-000146	C-CERAMIC,DISC,0.1nF,5%,50V,SL,TP,5x3.5,5					
DC3	2201-000146	C-CERAMIC,DISC,0.1nF,5%,50V,SL,TP,5x3.5,5					
DC4	2201-000146	C-CERAMIC,DISC,0.1nF,5%,50V,SL,TP,5x3.5,5					
DC47	2201-000146	C-CERAMIC,DISC,0.1nF,5%,50V,SL,TP,5x3.5,5					
DC19	2201-000218	C-CERAMIC,DISC,120PF,5%,50V,SL,TP,5X4.5					
DC23	2201-000218	C-CERAMIC,DISC,120PF,5%,50V,SL,TP,5X4.5					
DC27	2201-000218	C-CERAMIC,DISC,120PF,5%,50V,SL,TP,5X4.5					
DC11	2201-000260	C-CERAMIC,DISC,180PF,10%,50V,SL,4*4.2,5,TP					
DC15	2201-000260	C-CERAMIC,DISC,180PF,10%,50V,SL,4*4.2,5,TP					
DC40	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC43	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC49	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC5	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC52	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC55	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC59	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC6	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC60	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC61	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC63	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC64	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC65	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC67	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC68	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC71	2202-000780	C-CERAMIC,MLC-AXIAL:100NF,+80-20%,50V,Y5V,3.5X19,-					
DC58	2202-000797	C-CERAMIC,MLC-AXIAL:10NF,30%,16V,Y5S,TP,3.5X1.9MM,-					
DC38	2301-000365	C-FILM,PEF:1.5nF,10%,50V,TP,5.5x7x2.8mm,5					
DC37	2301-000390	C-FILM,PEF:15nF,10%,50V,TP,6.5X9X3.5MM,5M					
DC20	2301-000407	C-FILM,PEF:2.7nF,10%,50V,TP,5.5X7X3MM,5MM					
DC24	2301-000407	C-FILM,PEF:2.7nF,10%,50V,TP,5.5X7X3MM,5MM					
DC28	2301-000407	C-FILM,PEF:2.7nF,10%,50V,TP,5.5X7X3MM,5MM					
DC46	2301-000411	C-FILM,PEF:220NF,5%,50V,BK,-,-					
DC12	2301-000422	C-FILM,PEF:3.3nF,10%,50V,TP,5.5X7X3MM,5MM					
DC16	2301-000422	C-FILM,PEF:3.3nF,10%,50V,TP,5.5X7X3MM,5MM					
DC13	2301-000455	C-FILM,PEF:5.6nF,5%,50V,TP,6X12X3.3,5MM					
DC17	2301-000455	C-FILM,PEF:5.6nF,5%,50V,TP,6X12X3.3,5MM					
DC21	2301-000455	C-FILM,PEF:5.6nF,5%,50V,TP,6X12X3.3,5MM					
DC25	2301-000455	C-FILM,PEF:5.6nF,5%,50V,TP,6X12X3.3,5MM					
DC29	2301-000455	C-FILM,PEF:5.6nF,5%,50V,TP,6X12X3.3,5MM					
DC31	2301-000462	C-FILM,PEF:6.8nF,10%,50V,TP,6X12X3.3,5MM					
DC32	2301-000476	C-FILM,PEF:82nF,10%,50V,TP,10.5x12.5x6,7m					
DC10	2401-000438	C-AL:10uF,20%,25V,GP,-,5X11.2MM					
DC14	2401-000438	C-AL:10uF,20%,25V,GP,-,5X11.2MM					
DC18	2401-000438	C-AL:10uF,20%,25V,GP,-,5X11.2MM					
DC22	2401-000438	C-AL:10uF,20%,25V,GP,-,5X11.2MM					
DC26	2401-000438	C-AL:10uF,20%,25V,GP,-,5X11.2MM					
DC30	2401-000438	C-AL:10uF,20%,25V,GP,-,5X11.2MM					
DC34	2401-000438	C-AL:10uF,20%,25V,GP,-,5X11.2MM					
DC50	2401-000438	C-AL:10uF,20%,25V,GP,-,5X11.2MM					
DC7	2401-000438	C-AL:10uF,20%,25V,GP,-,5X11.2MM					
DC8	2401-000438	C-AL:10uF,20%,25V,GP,-,5X11.2MM					
DC9	2401-000438	C-AL:10uF,20%,25V,GP,-,5X11.2MM					
DC33	2401-000759	C-AL:220NF,20%,50V,GP,-,5X11.2MM					