

AV RECEIVER/AV AMPLIFIER RX-V550/HTR-5750 RX-V450/HTR-5740/DSP-AX450 SERVICE MANUAL

RX-V550/HTR-5750
RX-V450/HTR-5740/DSP-AX450

IMPORTANT NOTICE

This manual has been provided for the use of authorized YAMAHA Retailers and their service personnel.

It has been assumed that basic service procedures inherent to the industry, and more specifically YAMAHA Products, are already known and understood by the users, and have therefore not been restated.

WARNING: Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components, and failure of the product to perform as specified. For these reasons, we advise all YAMAHA product owners that any service required should be performed by an authorized YAMAHA Retailer or the appointed service representative.

IMPORTANT: The presentation or sale of this manual to any individual or firm does not constitute authorization, certification or recognition of any applicable technical capabilities, or establish a principle-agent relationship of any form.

The data provided is believed to be accurate and applicable to the unit(s) indicated on the cover. The research, engineering, and service departments of YAMAHA are continually striving to improve YAMAHA products. Modifications are, therefore, inevitable and specifications are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING: Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground buss in the unit (heavy gauge black wires connect to this buss).

IMPORTANT: Turn the unit OFF during disassembly and part replacement. Recheck all work before you apply power to the unit.

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このサービスマニュアルは、エコマーク認定の再生紙を使用しています。
This Service Manual uses recycled paper.



• Set Menu Table / セットメニュー

CATEGORY	MAIN MENU	SUB MENU	SELECT MENU	VALUE [INITIAL]
BASIC SETUP			ROOM : S >M L	S / [M] / L
			SUBWOOFER : YES	[YES] / NONE
			SPEAKER : 6spk	2 / 3 / 4 / 5 / [6]
			>SET CANCEL	[SET] / CANCEL
			CHECK OK? : YES	[YES] / NO
MANUAL SETUP	1 SOUND MENU	A) SPEAKER SET	CENTER : SML	NONE / [SML] / LRG
			FRONT : LARGE	SMALL / [LARGE]
			SURR LR : SML	NONE / [SML] / LRG
			SURR B : SML	NONE / [SML] / LRG
			BASS OUT : BOTH	SWFR / FRONT / [BOTH]
			Cross Over : 80Hz	40 / 60 / [80] / 100 / 110 / 120 / 160 / 200 Hz
			SWFR PHASE : NRM	[NRM] / REV
		B) SP LEVEL	L R	[CENTER] ± 10 step
			C 	
			RL	
			RC	
			RR	
			SWFR..... 	
		C) SP DISTANCE	UNIT : feet	[feet] / meters
			FRONT L 10.0ft	feet : 1.0 to 80.0 ft [7.0ft] / 0.5 ft step
			FRONT R 10.0ft	
			CENTER 10.0ft	
			SURR L 10.0ft	
			SURR R 10.0ft	
			SURR B 7.0ft	meters : 0.30 to 24.00 m [3.00m] / 0.10 m step
			SWFR 10.0ft	
			FRONT L 3.00m	
			FRONT R 3.00m	
			CENTER 3.00m	
			SURR L 3.00m	
			SURR R 3.00m	
			SURR B 3.00m	
			SWFR 3.00m	
		D) CENTER GEQ	TEST : >OFF ON	[OFF] / ON
			100Hz - - 0	-6 dB to +6 dB [0 dB] / 0.5 STEP
			300Hz - - 0	
			1kHz - - 0	
			3kHz - - 0	
			10kHz - - 0	
		E) LFE LEVEL	SP LFE : 0	-20 dB to 0 dB [0 dB] / 1 STEP
			HP LFE : 0	-20 dB to 0 dB [0 dB] / 1 STEP
		F) D . RANGE	SP D . R : MAX	MIN / STD / [MAX]
			HP D . R : MAX	MIN / STD / [MAX]
		G) AUDIO SET	MUTE : MUTE	-20 dB / [MUTE]
			DELEY : 0 ms	0 ms to 160 ms / 1 step
		(Except RX-V550)	DUAL MONO : MAIN	[MAIN] / SUB / ALL
	2 INPUT MENU	A) I / O ASSIGN	C . V (A) : DVD	[DVD] / VCR / V-AUX / DTV/CBL
			C . V (B) : DVT/CBL	DVD / VCR / V-AUX / [DTV/CBL]
			OUT (1) : MD/CD-R	[MD/CD-R] / CD / VCR / V-AUX / DTV/CBL / DVD
			IN (2) : MD/CD-R	[MD/CD-R] / CD / VCR / V-AUX / DTV/CBL / DVD
			IN (3) : DVD	MD/CD-R / CD / VCR / V-AUX / DTV/CBL / [DVD]
			IN (4) : DTV/CBL	MD/CD-R / CD / VCR / V-AUX / [DTV/CBL] / DVD
			> AUTO / LAST	[AUTO] / LAST
	3 OPTION MENU	B) INPUT MODE	> AUTO / LAST	[AUTO] / LAST
			> AUTO / LAST	[AUTO] / LAST
		A) DISPLAY SET	DIMMER : 0	-4 to 0 / 1 step
			V CONV : ON	OFF / [ON]
		B) MEMORY GUARD	MEM . GUARD : OFF	[OFF] / ON
		C) PARAM . INI		
		D) ZONE SET	SP B : FRONT	[FRONT] / ZONE B

• The variable range of the parameter (Min/Max/Step) / パラメーターの可変範囲（最小/最大/ステップ）

		Unit
DSP LEVEL	-6/+3/1	dB
DELAY	1/99/1	ms

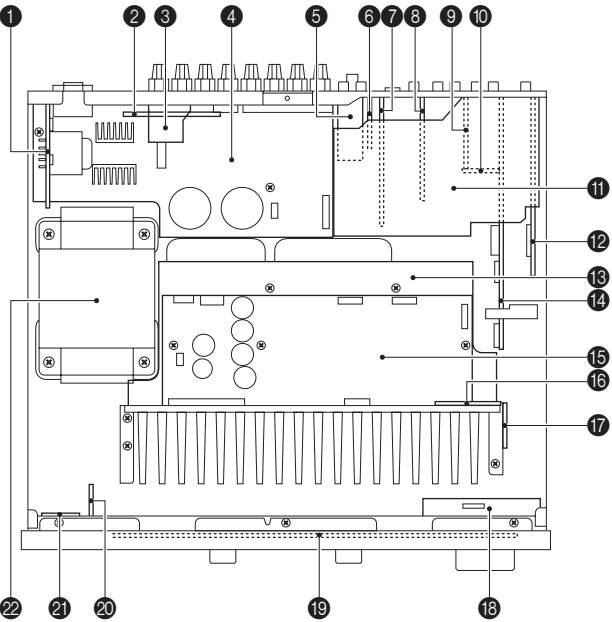
6ch Stereo Parameter		Unit
CT LEVEL	0/100/1	%
SL LEVEL	0/100/1	%
SR LEVEL	0/100/1	%
SB LEVEL	0/100/1	%

Pro Logic IIx Music Parameter		Unit
PLII/PLIIx	PLII/PLIIx	
PANORAMA	OFF/ON	
DIMENSIONS	-3/+3/1	
CT WIDTH	0/7/1	

DTS Neo:6 Music Parameter		Unit
C. IMAGE	0/0.5/0.1	

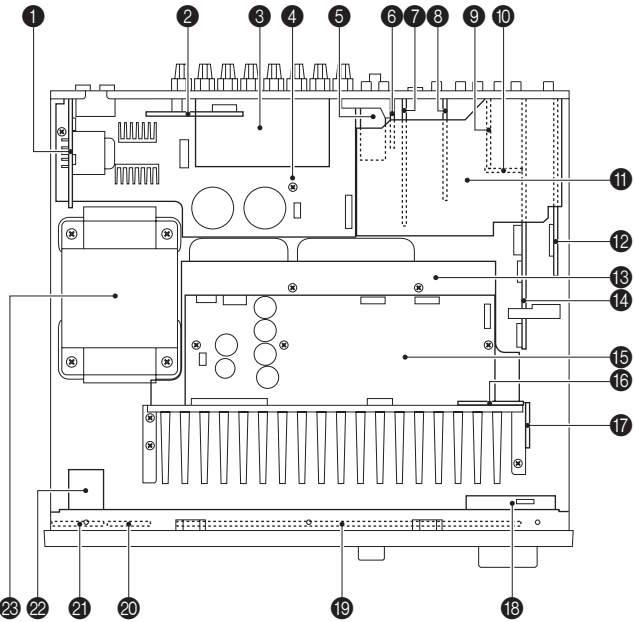
■ INTERNAL VIEW

RX-V550



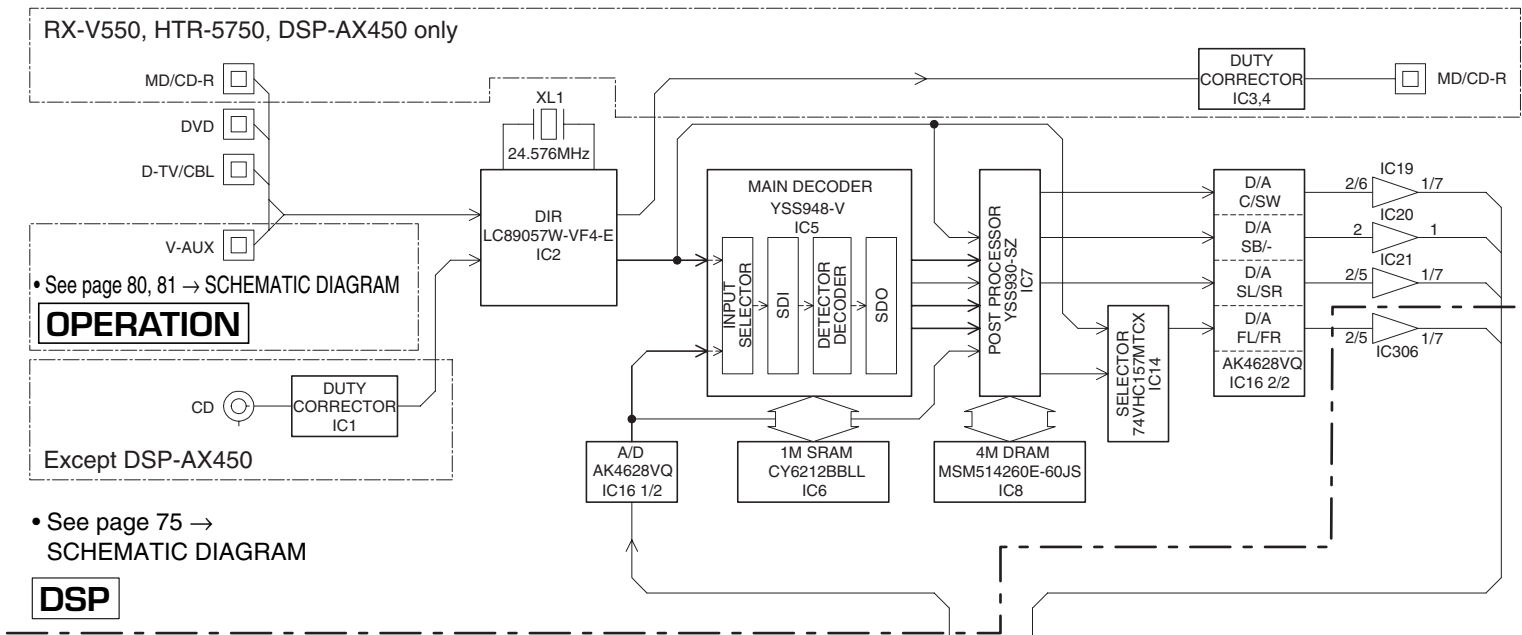
- 1 SUBTRANS P.C.B.
- 2 POWER (2) P.C.B. (R, L models only)
- 3 FUNCTION (5) P.C.B. (U, C, A models only)
- 4 MAIN (2) P.C.B.
- 5 Tuner
- 6 FUNCTION (7) P.C.B.
- 7 FUNCTION (3) P.C.B.
- 8 FUNCTION (4) P.C.B.
- 9 FUNCTION (8) P.C.B.
- 10 FUNCTION (6) P.C.B.
- 11 FUNCTION (2) P.C.B.
- 12 DSP P.C.B.
- 13 MAIN (1) P.C.B.
- 14 FUNCTION (1) P.C.B.
- 15 POWER (1) P.C.B.
- 16 MAIN (7) P.C.B.
- 17 MAIN (4) P.C.B.
- 18 OPERATION (4) P.C.B.
- 19 OPERATION (1) P.C.B.
- 20 OPERATION (3) P.C.B.
- 21 OPERATION (2) P.C.B.
- 22 Power Transformer

HTR-5750/RX-V450/HTR-5740/DSP-AX450



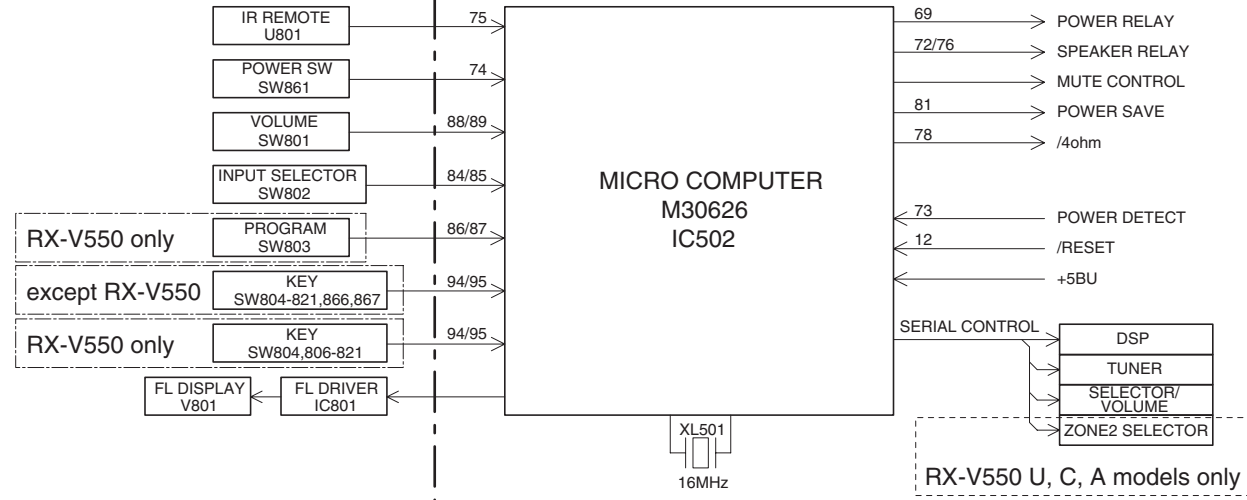
- 1 SUBTRANS P.C.B.
- 2 POWER (2) P.C.B. (R, L models only)
- 3 VIDEO P.C.B. (DSP-AX450 only)
- 4 MAIN (2) P.C.B.
- 5 Tuner
- 6 FUNCTION (7) P.C.B. (Except DSP-AX450)
- 7 FUNCTION (3) P.C.B. (HTR-5750, DSP-AX450 only)
- 8 FUNCTION (4) P.C.B.
- 9 FUNCTION (8) P.C.B.
- 10 FUNCTION (6) P.C.B.
- 11 FUNCTION (2) P.C.B.
- 12 DSP P.C.B.
- 13 MAIN (1) P.C.B.
- 14 FUNCTION (1) P.C.B.
- 15 POWER (1) P.C.B.
- 16 MAIN (7) P.C.B.
- 17 MAIN (5) P.C.B.
- 18 OPERATION (4) P.C.B.
- 19 OPERATION (1) P.C.B.
- 20 OPERATION (5) P.C.B.
- 21 OPERATION (2) P.C.B.
- 22 OPERATION (3) P.C.B.
- 23 Power Transformer

■ BLOCK DIAGRAM (1/2)



OPERATION

• See page 80, 81 → SCHEMATIC DIAGRAM

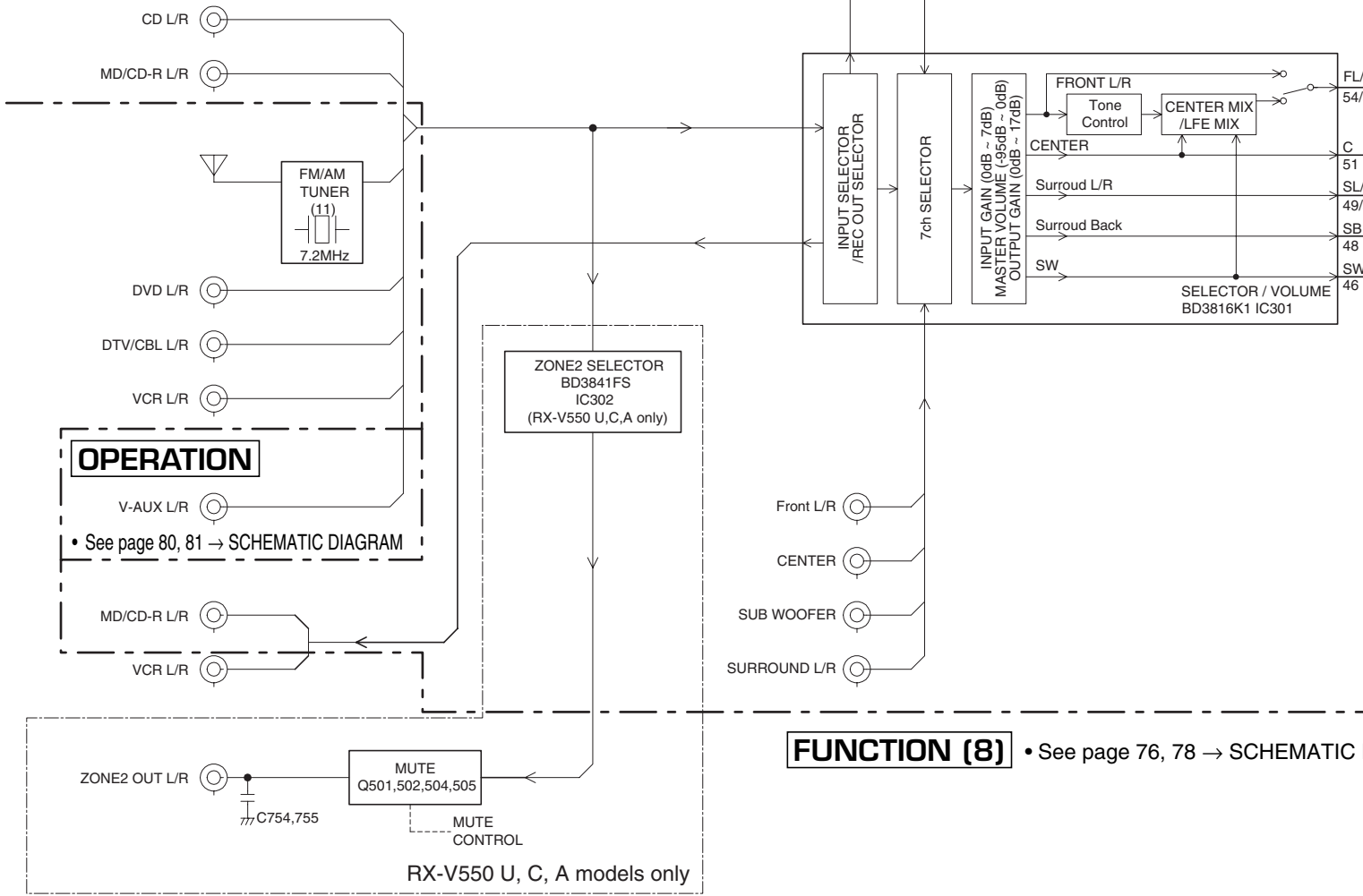


FUNCTION [2]

• See page 77, 79 → SCHEMATIC DIAGRAM

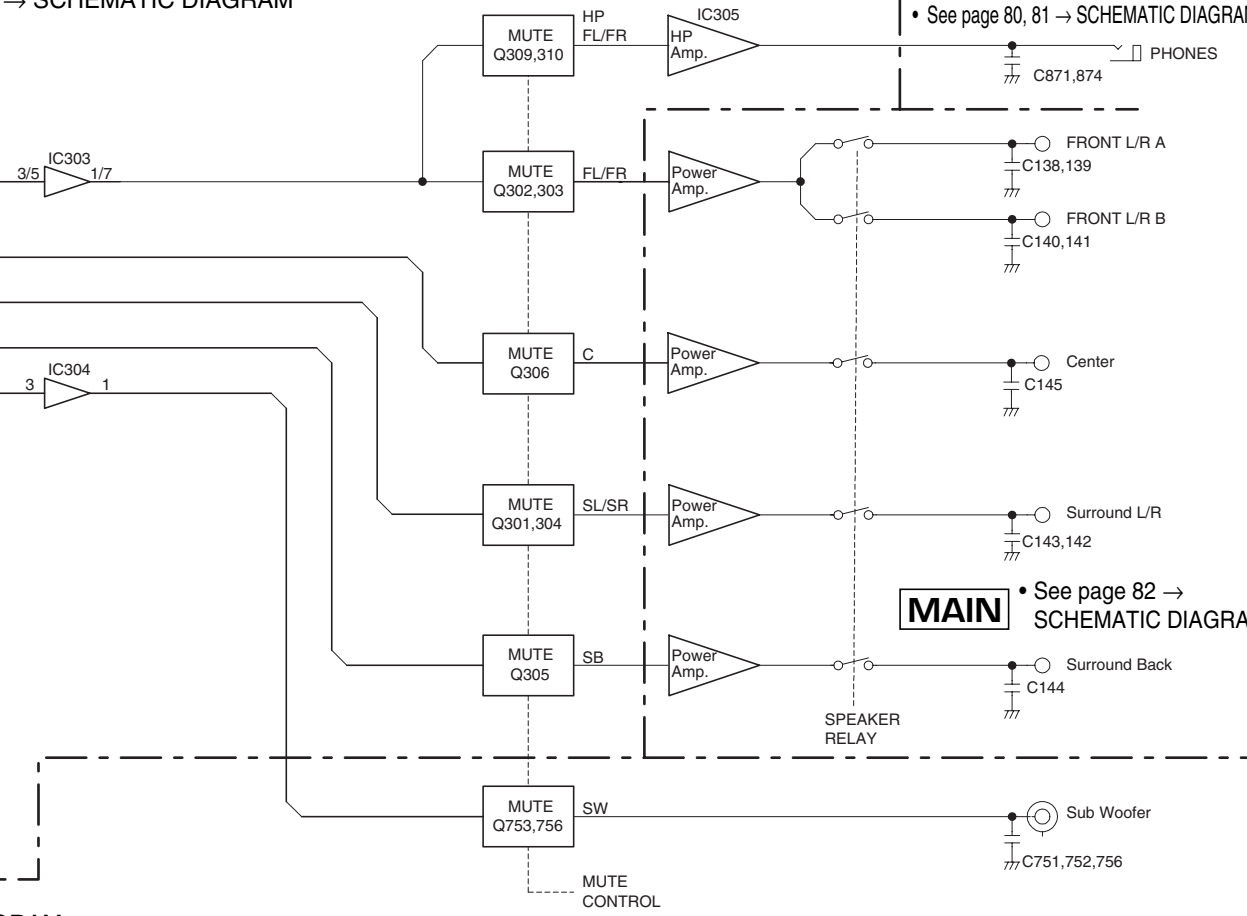
FUNCTION [1]

• See page 76, 78 → SCHEMATIC DIAGRAM



OPERATION

• See page 80, 81 → SCHEMATIC DIAGRAM



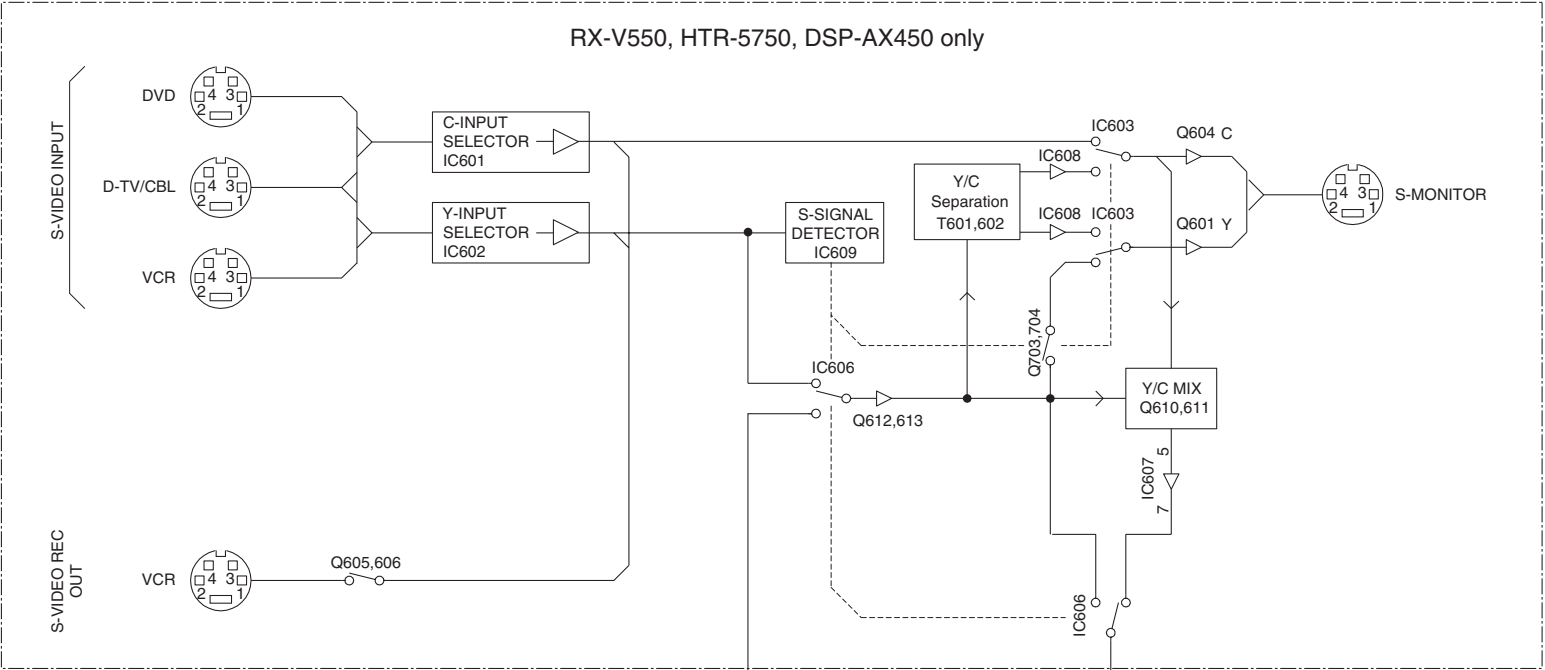
MAIN

• See page 82 → SCHEMATIC DIAGRAM

FUNCTION [8]

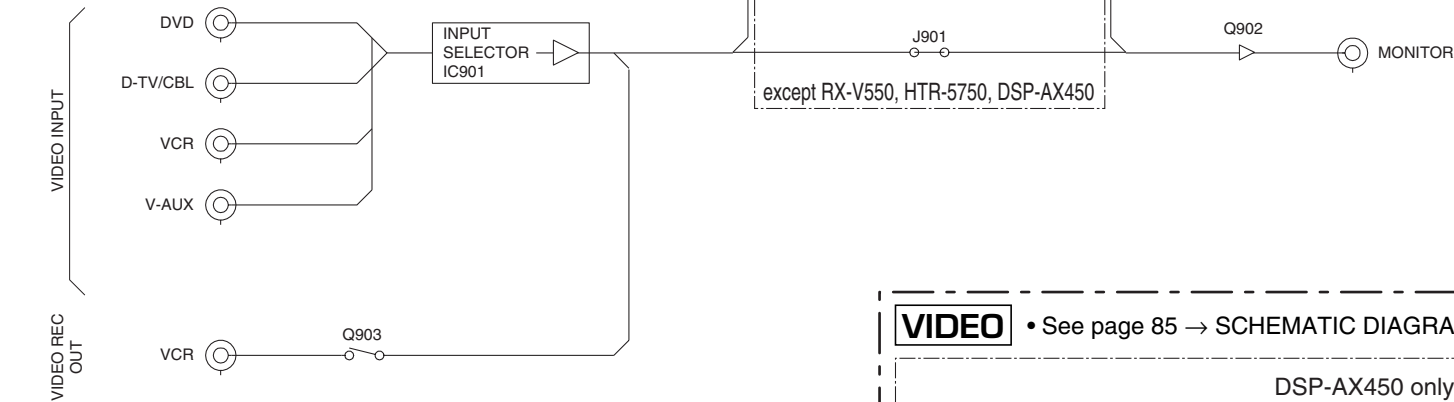
• See page 76, 78 → SCHEMATIC DIAGRAM

1 ■ BLOCK DIAGRAM (2/2)



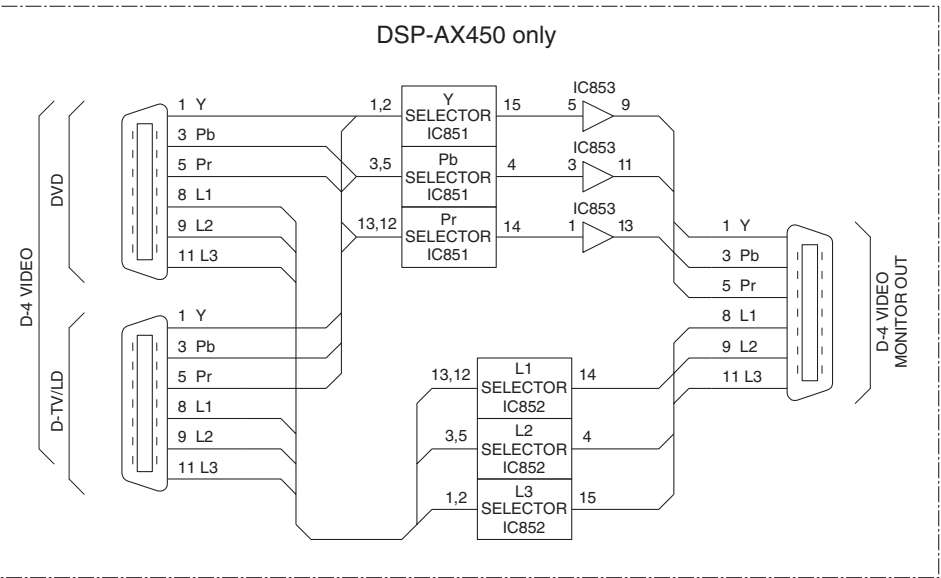
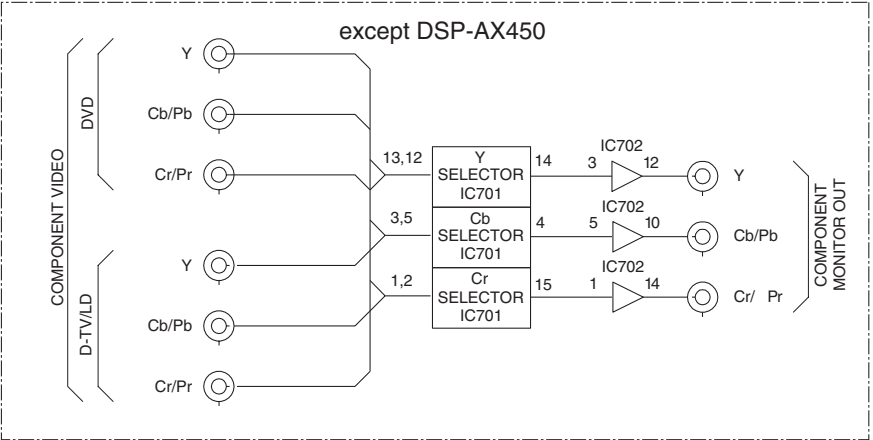
FUNCTION (3) • See page 77, 79 → SCHEMATIC DIAGRAM

FUNCTION (4) • See page 77, 79 → SCHEMATIC DIAGRAM



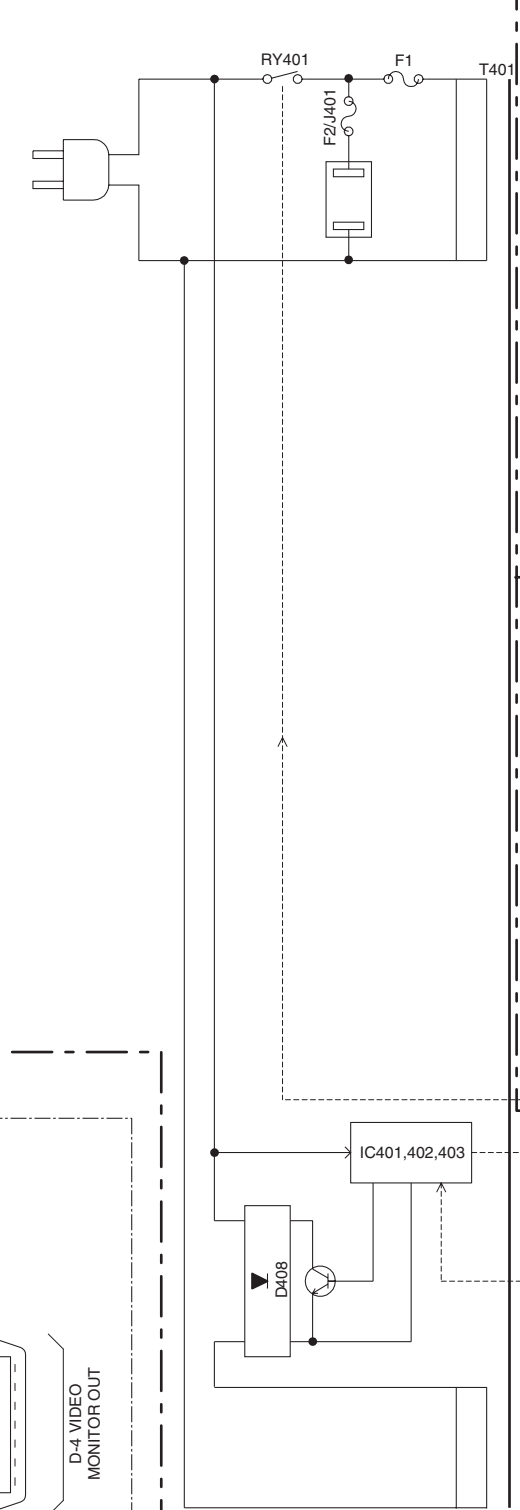
VIDEO • See page 85 → SCHEMATIC DIAGRAM

FUNCTION (7) • See page 77, 79 → SCHEMATIC DIAGRAM

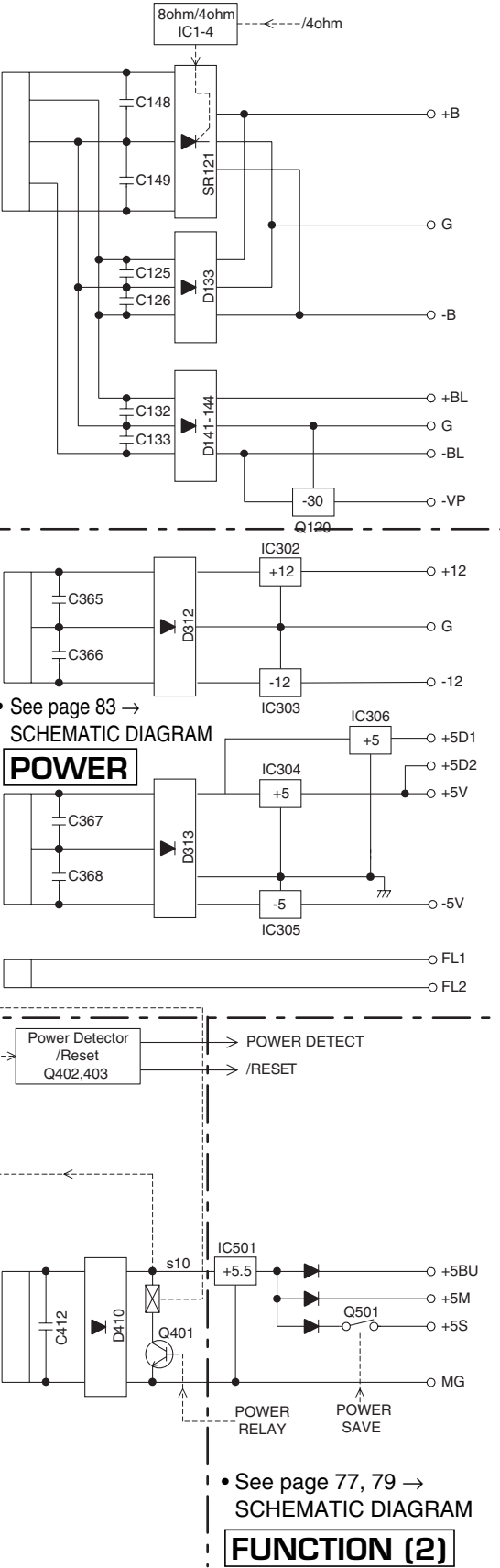


SUB TRANS

• See page 84 → SCHEMATIC DIAGRAM



MAIN • See page 82 → SCHEMATIC DIAGRAM



• See page 77, 79 → SCHEMATIC DIAGRAM

FUNCTION (2)

DSP P. C. B. (Lead Type Device)

Except DSP-AX450、

DIGITAL INPUT

OPTICAL

DIGITAL [OUTPUT

RX-V550, HTR-5750,
DSP-AX450 only

DSP P. C. B. (Surface Mount Device)

RX-V450/HTR-5740/DSP-AX450

Circuit No.	J	U, C, A, B, G, E, L, R, T, K
R57	X	O

Except DSP-AX450

X: NOT USED
O: USED / APPLICABLE

RX-V550, HTR-5750,
DSP-AX450 only

- Semiconductor Location

Ref. no.	Location	Ref. no.	Location	Ref. no.	Location
D1	I3	D12	D6	IC11	B4
D2	I3	IC1	C3	IC12	B4
D3	F3	IC2	E4	IC13	B3
D4	G3	IC3	E3	IC14	D5
D5	F4	IC4	E3	IC16	E5
D6	F4	IC5	D3	IC18	C6
D7	F4	IC6	C3	IC19	D6
D8	G4	IC7	D4	IC20	E6
D9	C6	IC8	C4	IC21	E6
D10	C6	IC10	B5	IC22	B4
D11	D6				

FUNCTION (2)

— /INTDSP
 — /INTFCT
 — VBIT
 — /ICY
 — /ICADM
 — /ICD
 — SDM
 — SDD
 — SCK
 — /CSDAC
 — /CSY
 — /CSADMADL
 — /CSDIB

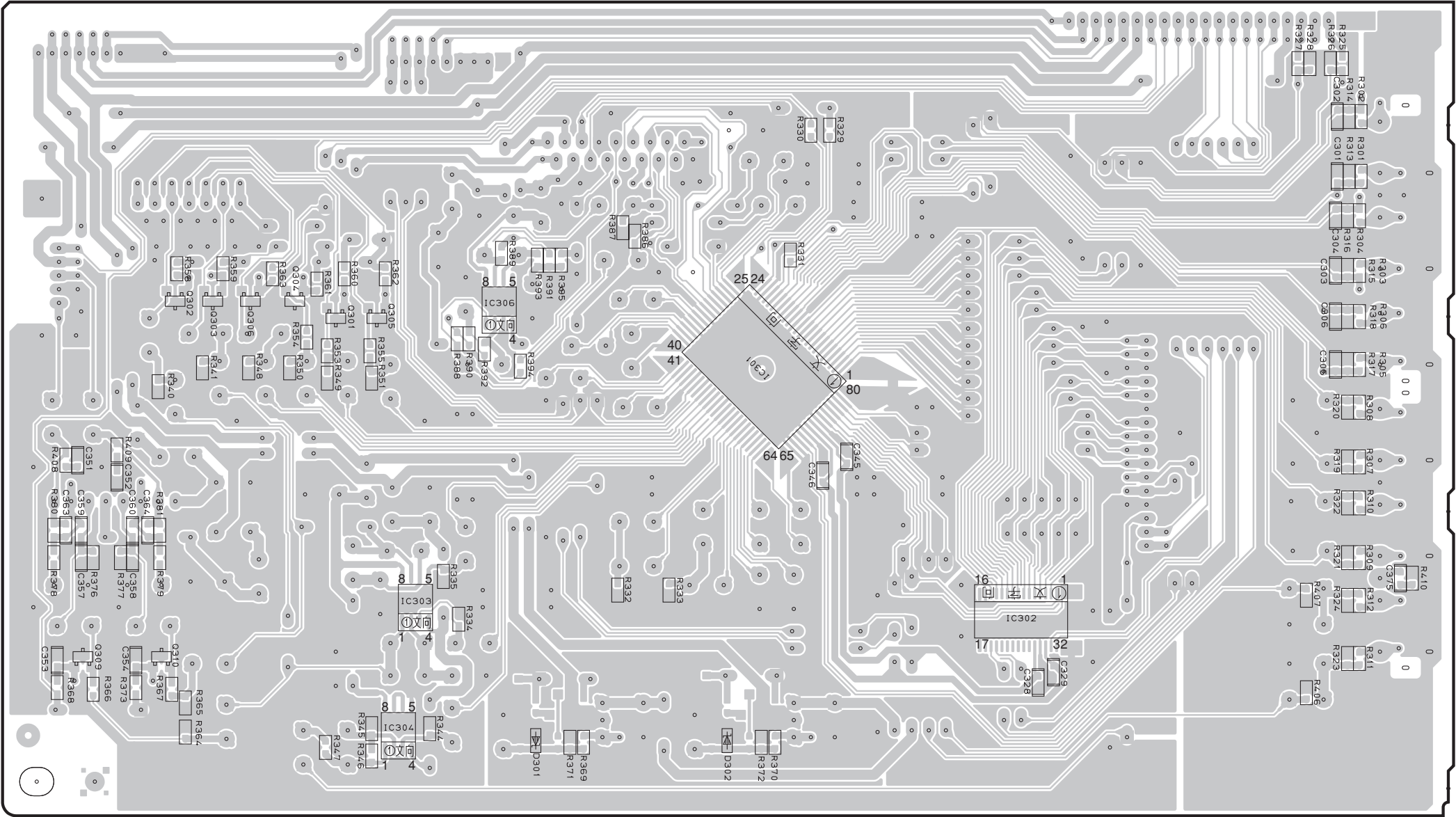
FUNCTION (1)

PRINTED CIRCUIT BOARD (Foil side)

RX-V550

FUNCTION (1) P. C. B.

(Surface Mount Device)



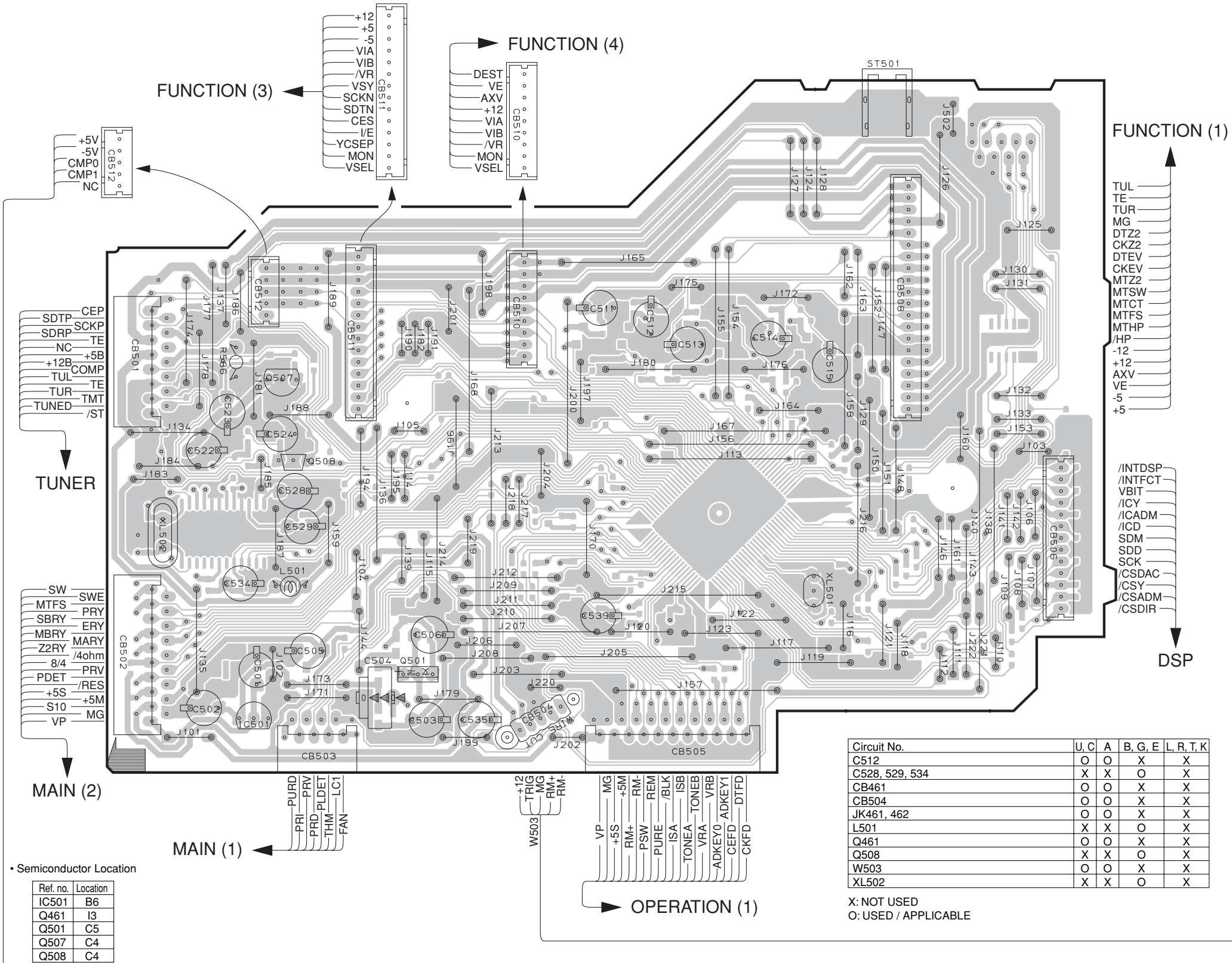
• Semiconductor Location

Ref. no.	Location
D301	D6
D302	E6
IC301	E4
IC302	G5
IC303	D5
IC304	D6
IC306	D4
Q301	C4
Q302	C4
Q303	C4
Q304	C4
Q305	D4
Q306	C4
Q309	B5
Q310	B5

Circuit No.	U, C, A	B, G, E, L, R, T, K
C328, 329	O	X
IC302	O	X

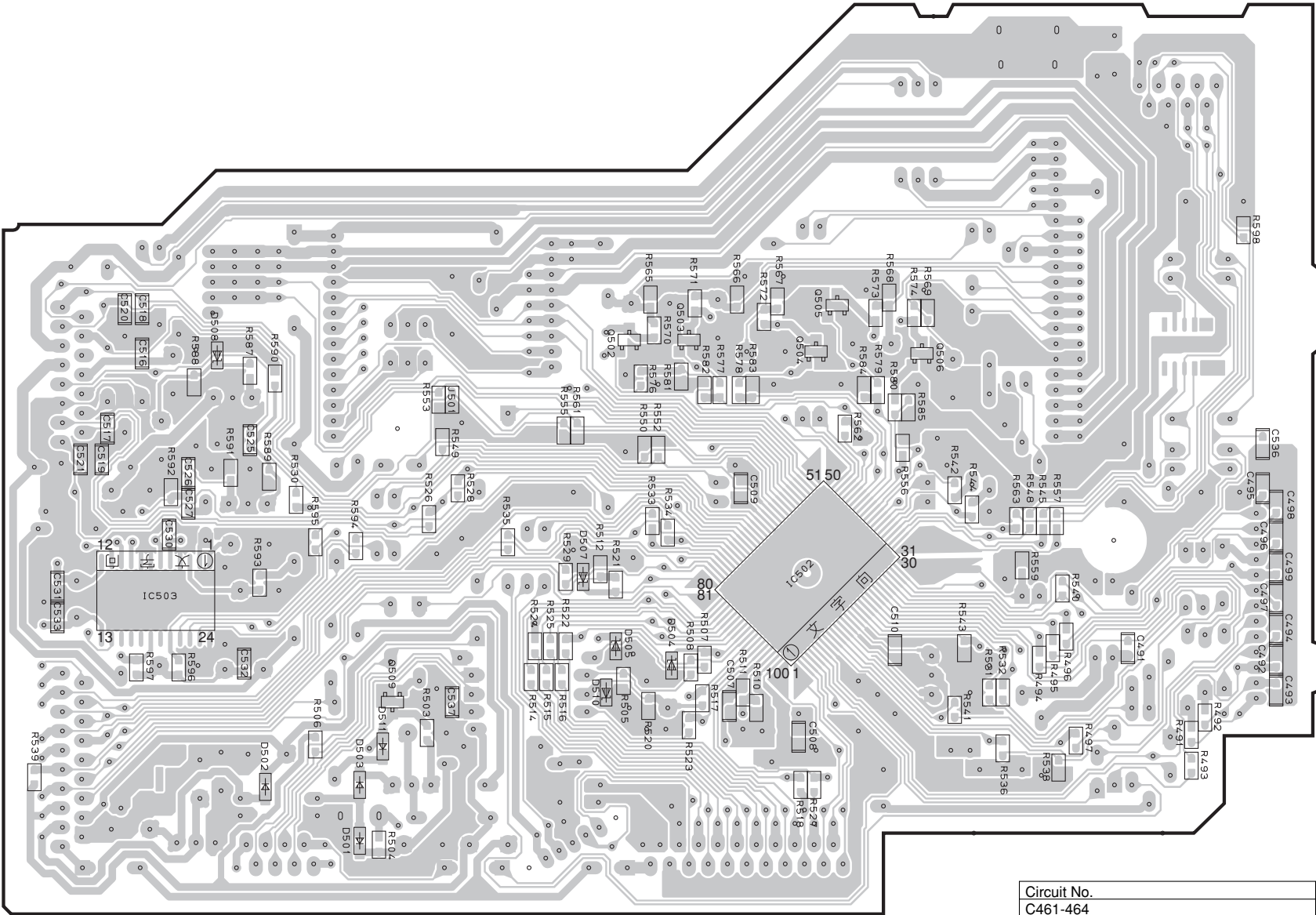
X: NOT USED
O: USED / APPLICABLE

PRINTED CIRCUIT BOARD (Foil side) RX-V550
FUNCTION (2) P. C. B. (Lead Type Device)



PRINTED CIRCUIT BOARD (Foil side) RX-V550

FUNCTION (2) P. C. B. (Surface Mount Device)



• Semiconductor Location

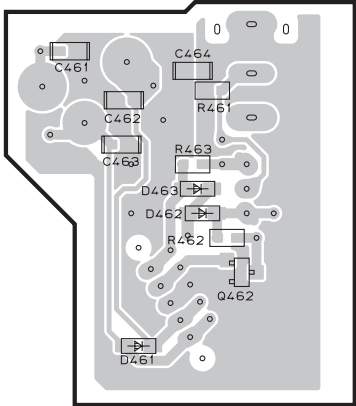
Ref. no.	Location	Ref. no.	Location	Ref. no.	Location
D461	I3	D507	D4	Q462	I3
D462	I3	D508	B4	Q502	D3
D463	I3	D510	D5	Q503	D3
D501	C6	D511	C5	Q504	E4
D502	C5	IC502	E4	Q505	E3
D503	C5	IC503	B5	Q506	E4
D504	D5	IC701	I6	Q509	C5
D505	D5	IC702	J6	Q701	I7

Circuit No.	U	C	A	B	G	E	L	R	T	K
C461-464	O	O		X			X	X	X	X
C525-527, 530-533	X	X		O			X	X	X	X
D461-463	O	O		X			X	X	X	X
IC503	X	X		O			X	X	X	X
J501	O	O		X			O	O	O	O
Q462	O	O		X			X	X	X	X
Q503	O	O		X			X	X	X	X
R461-463	O	O		X			X	X	X	X
R566, 571, 577	O	O		X			X	X	X	X
R549	X	O		O			X	X	O	
R552	O	X		X			O	O	X	
R553	O	X		X			X	X	X	X
R555	X	O		O			O	O	O	O
R561, 589, 590-597	X	X		O			X	X	X	X

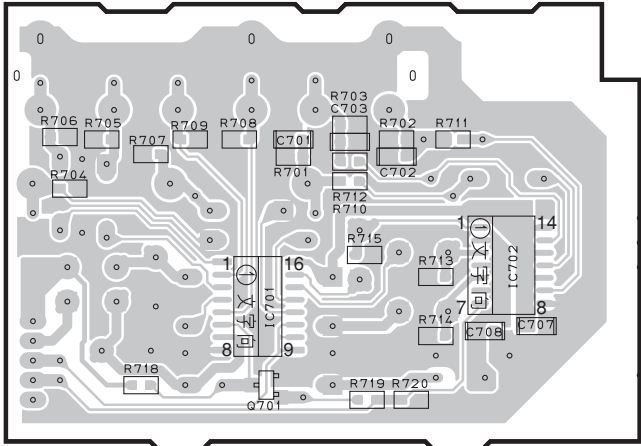
X: NOT USED
O: USED / APPLICABLE

FUNCTION (5) P. C. B. (Surface Mount Device)

U, C, A models only

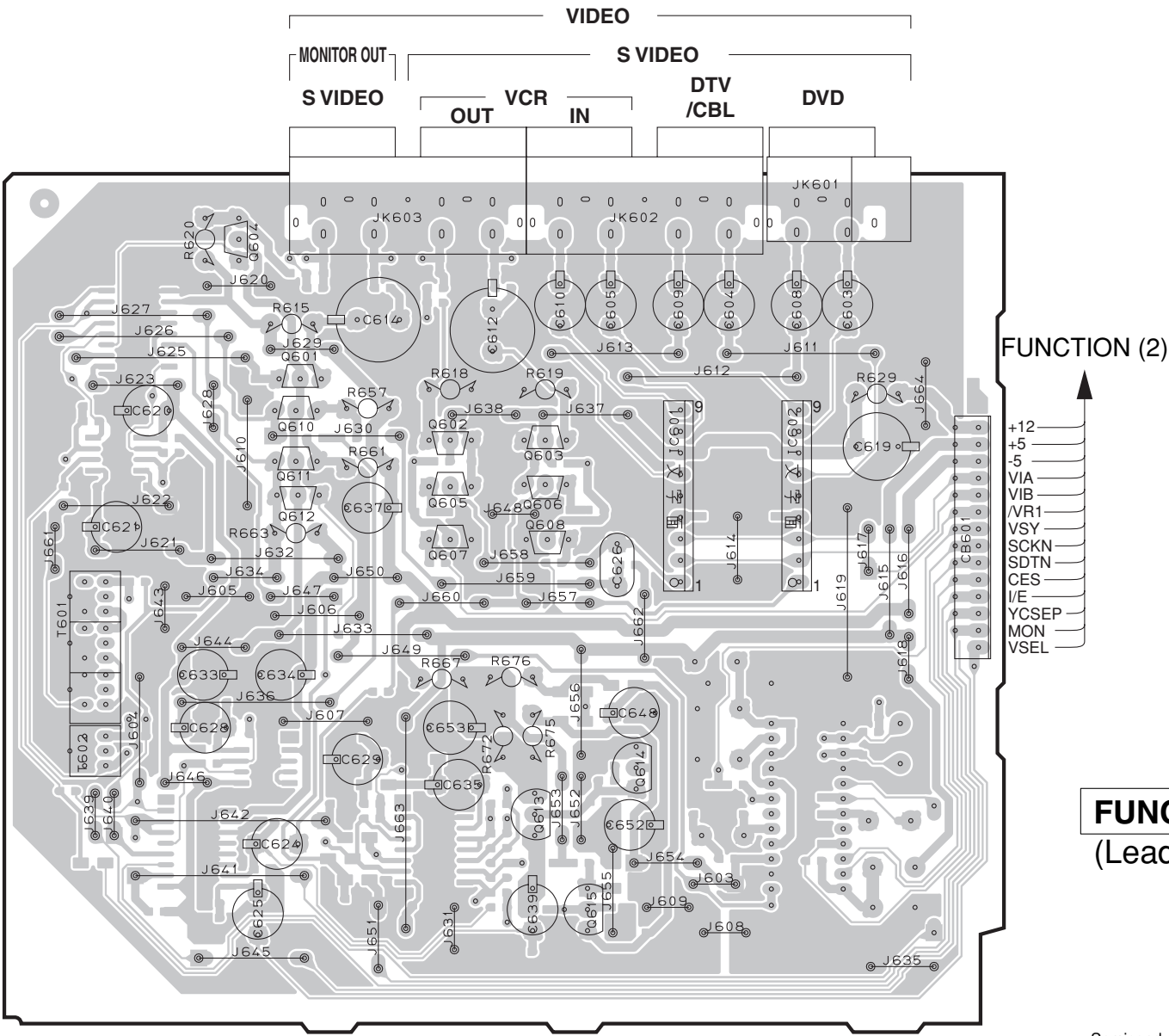


FUNCTION (7) P. C. B. (Surface Mount Device)



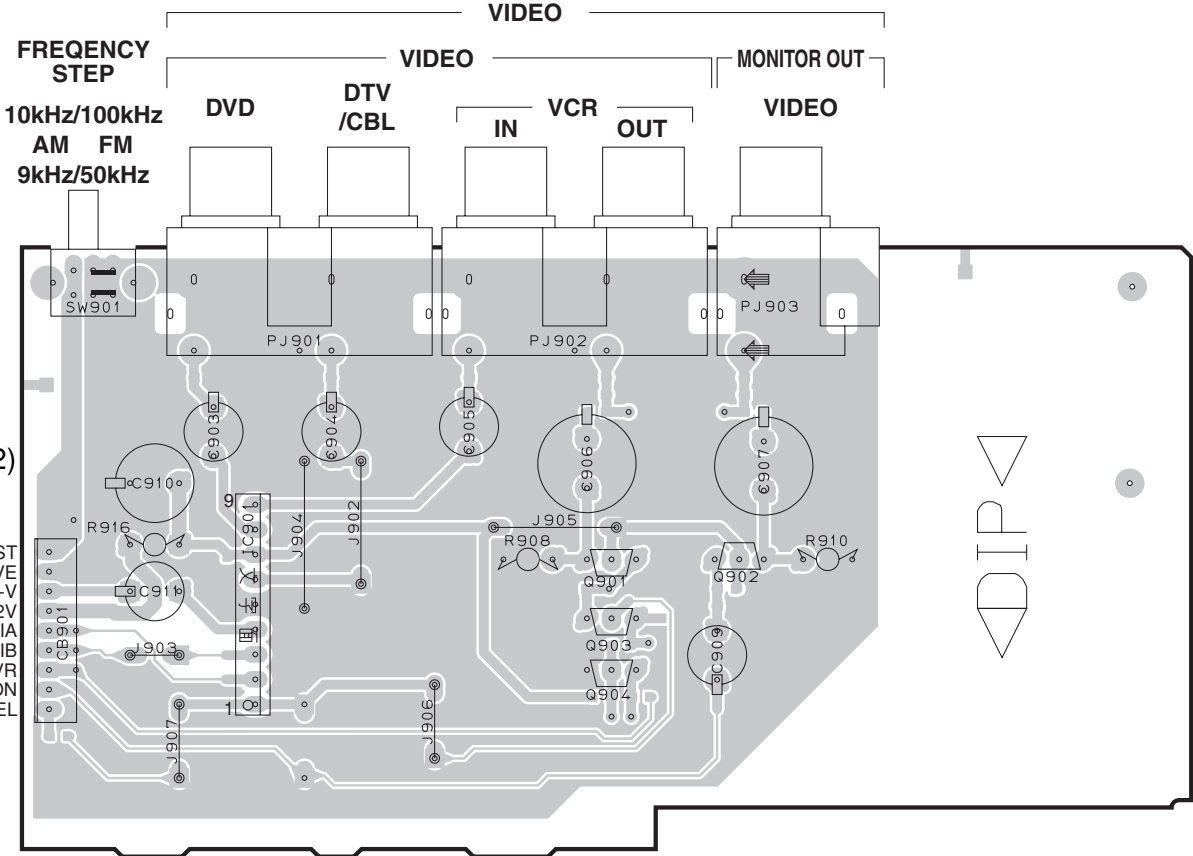
PRINTED CIRCUIT BOARD (Foil side) RX-V550

FUNCTION (3) P. C. B. (Lead Type Device)

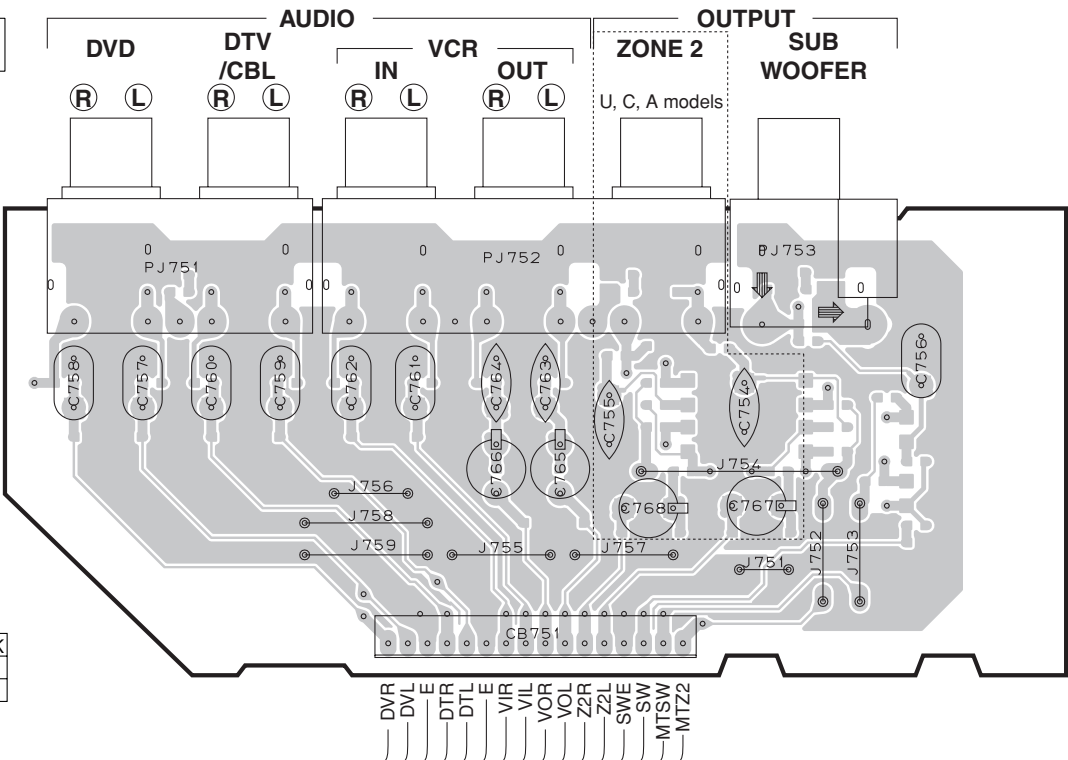


FUNCTION (2)

FUNCTION (4) P. C. B. (Lead Type Device)



FUNCTION (8) P. C. B. (Lead Type Device)



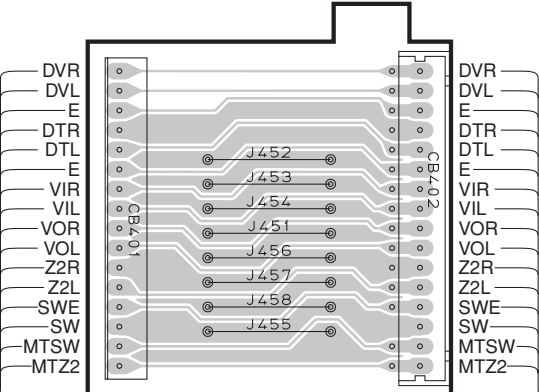
Semiconductor Location

Ref. no.	Location	Ref. no.	Location
IC601	C3	Q610	B3
IC602	D3	Q611	B3
IC901	G4	Q612	B3
Q601	B3	Q613	C5
Q602	C3	Q614	C4
Q603	C3	Q615	C5
Q604	B2	Q901	H3
Q605	C3	Q902	I3
Q606	C3	Q903	H4
Q607	C4	Q904	H4
Q608	C4		

Circuit No.	U, C, A	B, G, E	L, R, T, K
C754, 755, 767, 768	O	X	X X
SW901	X	X	O X

X: NOT USED
O: USED / APPLICABLE

FUNCTION (6) P. C. B. (Lead Type Device)



FUNCTION (1)

1

■ PRINTED CIRCUIT BOARD (Foil side) **RX-V550****FUNCTION (3) P. C. B.** (Surface Mount Device)

2

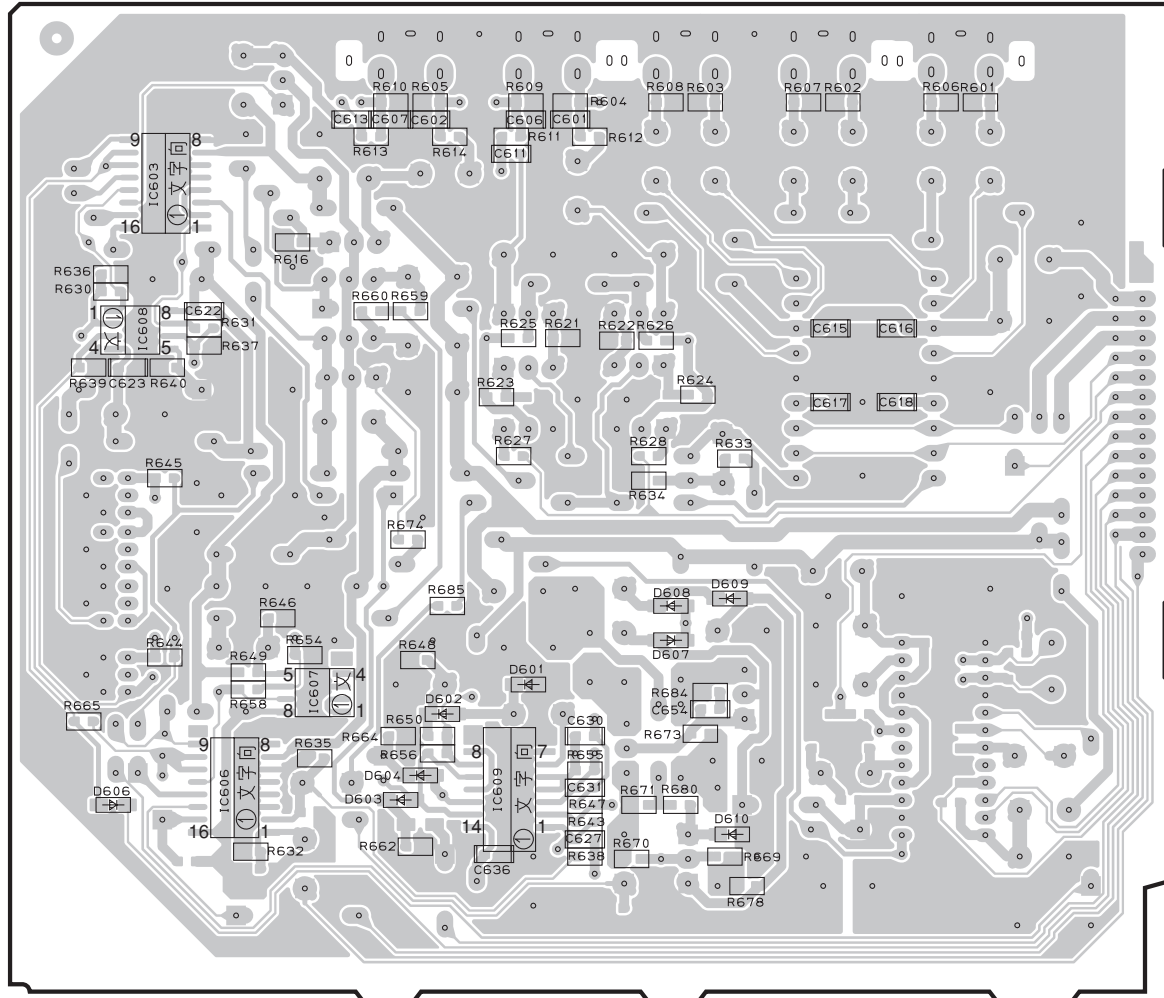
3

4

5

6

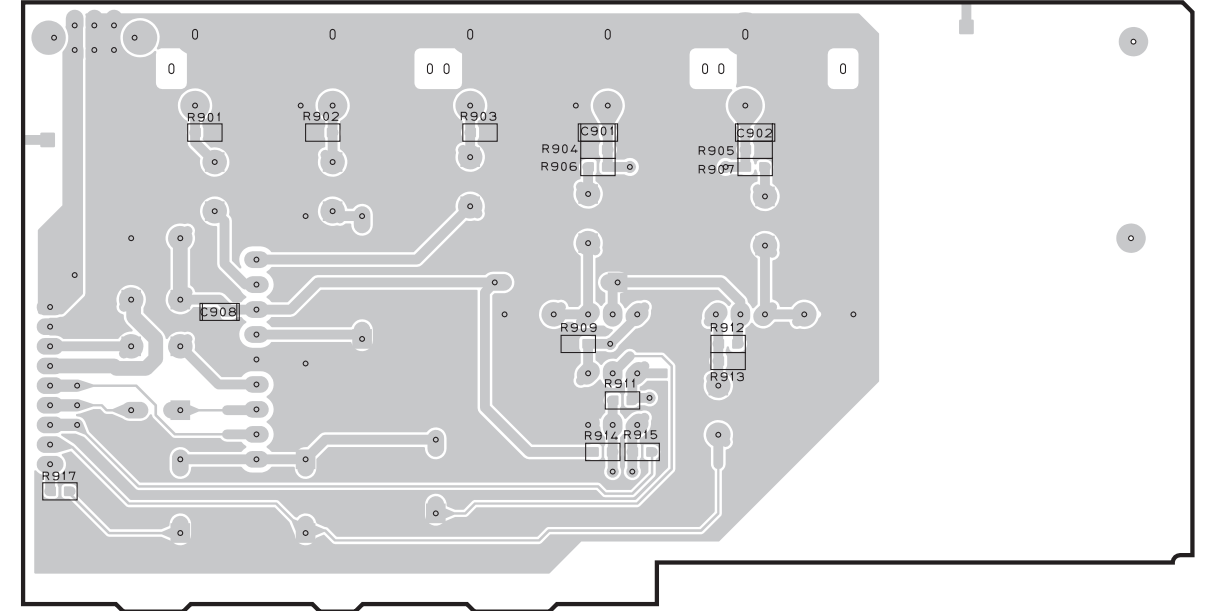
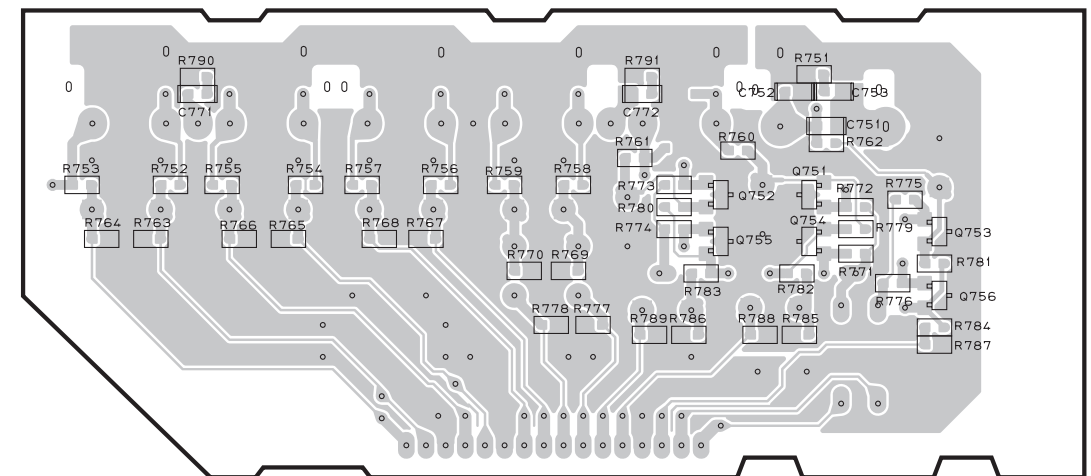
7



• Semiconductor Location

Ref. no.	Location	Ref. no.	Location
D601	B4	IC606	A5
D602	B5	IC607	B4
D603	B5	IC608	A3
D604	B5	IC609	B5
D606	A5	Q751	I6
D607	C4	Q752	I6
D608	C4	Q753	I6
D609	C4	Q754	I6
D610	C5	Q755	I6
IC603	A3	Q756	I6

Circuit No.	U, C, A	B, G, E, L, R, T, K
C772	O	X
Q751, 752, 754, 755	O	X
R760, 761, 771-774, 779, 780, 782, 783 R785, 786, 788, 789, 791	O	X

X: NOT USED
O: USED / APPLICABLE**FUNCTION (4) P. C. B.** (Surface Mount Device)**FUNCTION (8) P. C. B.**
(Surface Mount Device)

1
2
3
4
5
6
7

56

PRINTED CIRCUIT BOARD (Foil side)

HTR-5750

RX-V450/HTR-5740/DSP-AX450

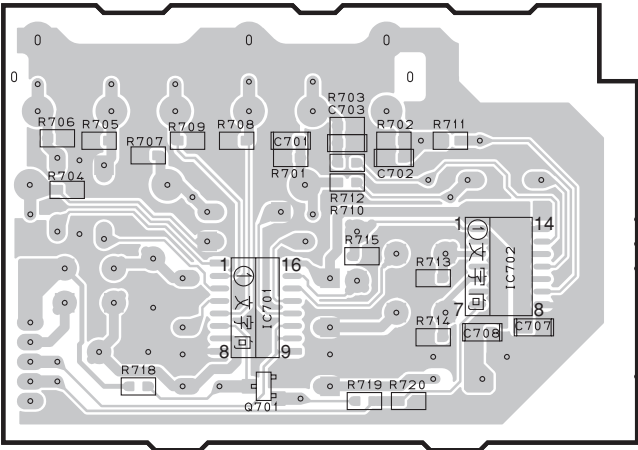
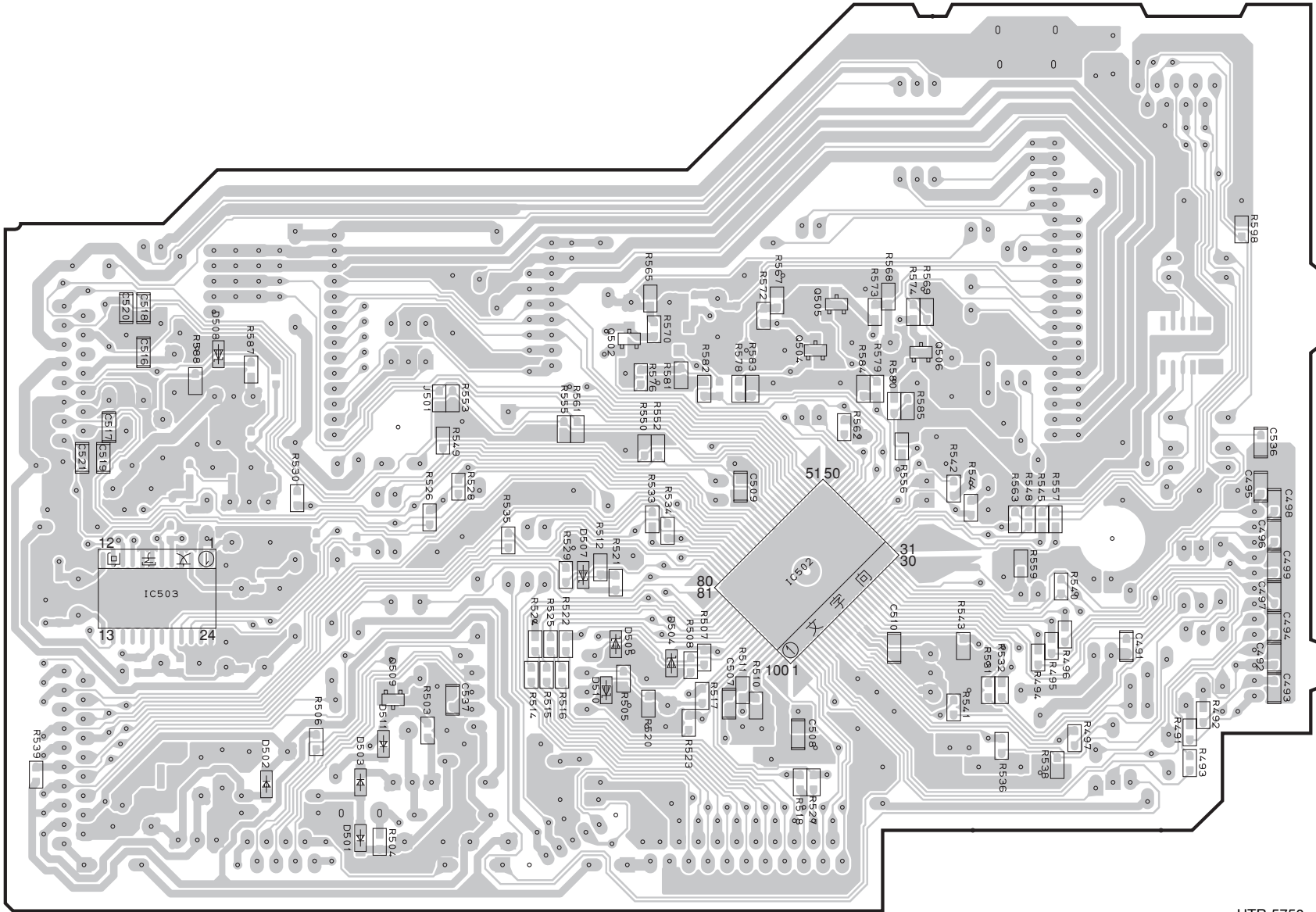
FUNCTION (2) P. C. B.

(Surface Mount Device)

FUNCTION (7) P. C. B.

(Surface Mount Device)

Except DSP-AX450



HTR-5750			
Circuit No.	U, C	A, T, K	
R549, 555	X	O	
R552, 553	O	X	

RX-V450/HTR-5740/DSP-AX450			
Circuit No.	J	U, C	A B G, E, L, R T
C525-527, 530-533	X	X	X O O X X
IC503	X	X	X O O X X
J501	O	O	O X X O O
R549	O	X	X X O X O
R552	X	O	X X X O X
R553	O	O	X X X X X
R555	X	X	O O O O O
R561, 589, 590-597	X	X	X O O X X

X: NOT USED

O: USED / APPLICABLE

Semiconductor Location

Ref. no.	Location	Ref. no.	Location
D501	C6	IC503	B5
D502	C5	IC701	I3
D503	C5	IC702	J3
D504	D5	Q502	D3
D505	D5	Q504	E4
D507	D4	Q505	E3
D508	B3	Q506	E4
D510	D5	Q509	C5
D511	C5	Q701	I4
IC502	E4		

7

7

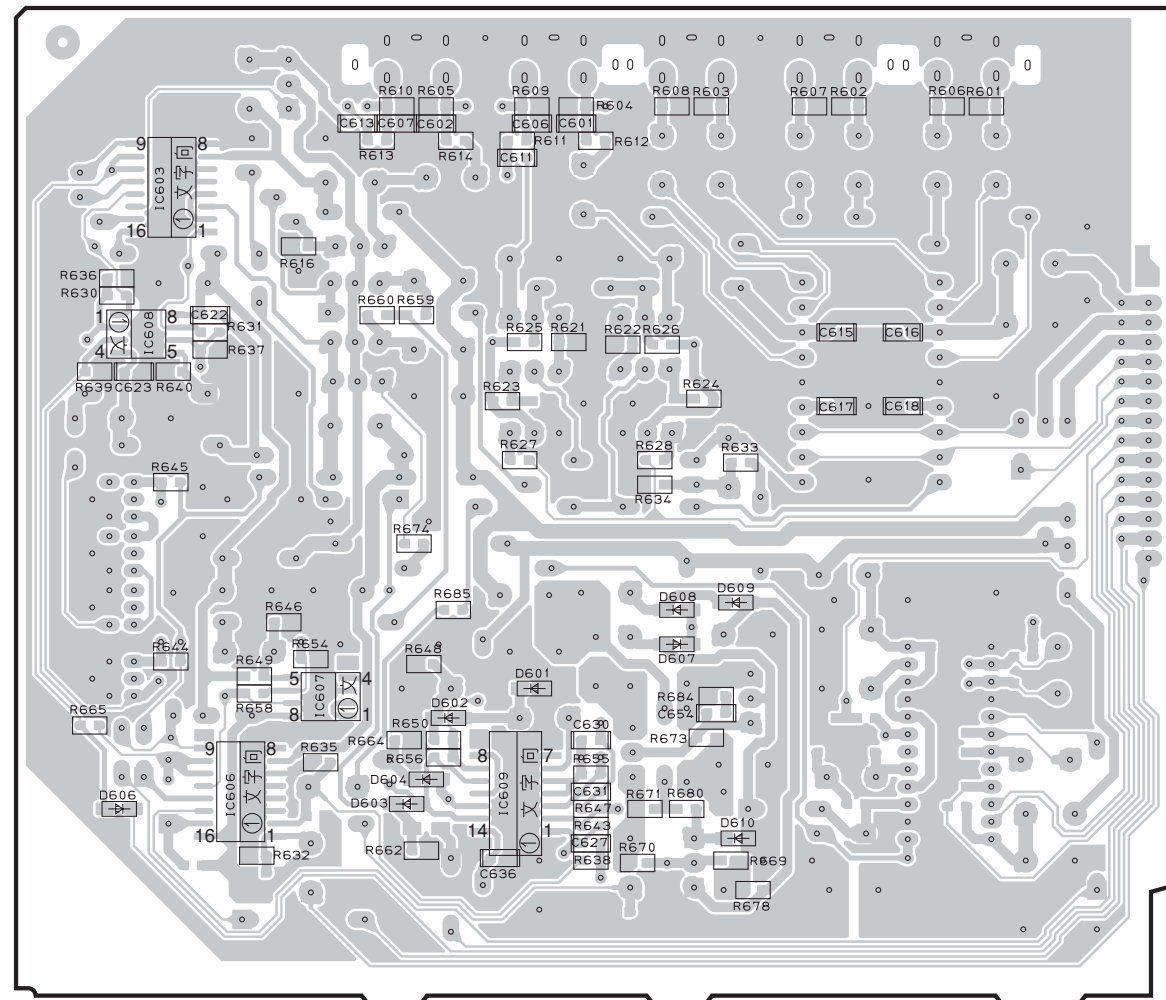
■ PRINTED CIRCUIT BOARD (Foil side)

HTR-5750

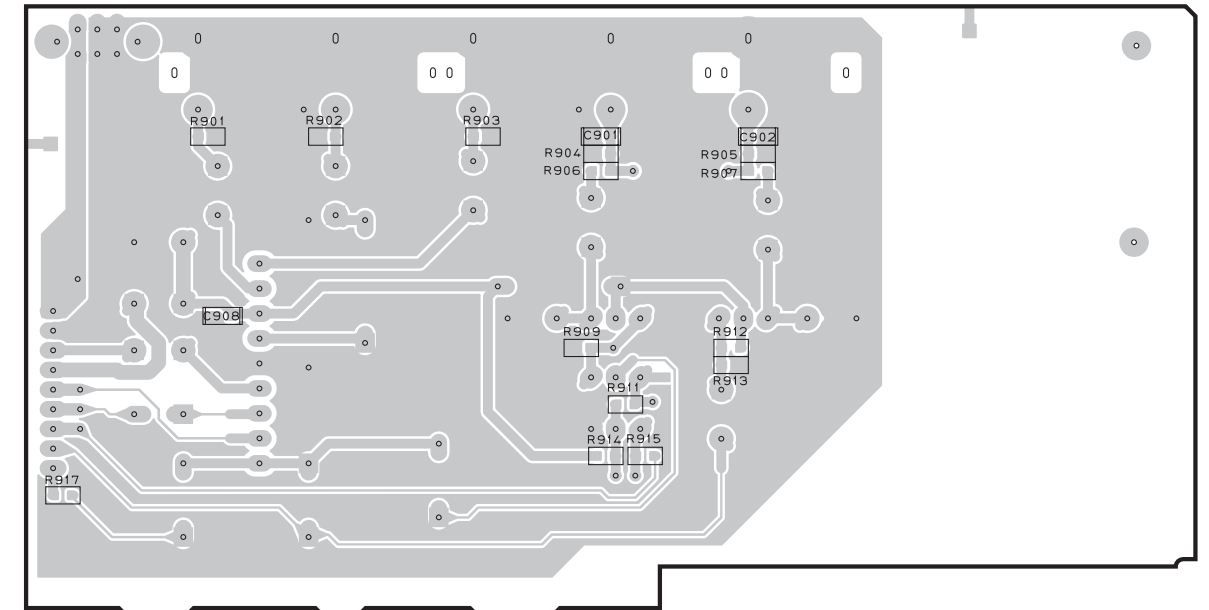
RX-V450/HTR-5740/DSP-AX450

FUNCTION (3) P. C. B. (Surface Mount Device)

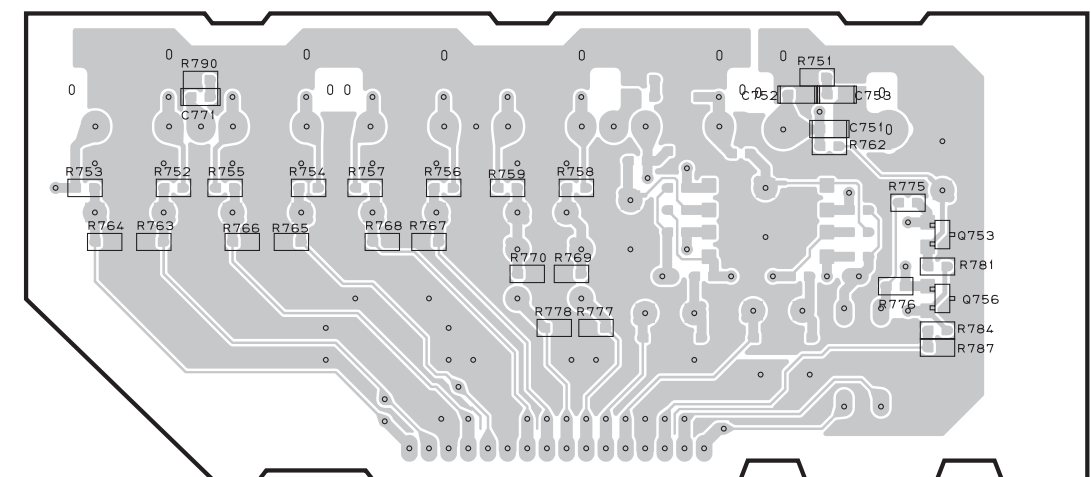
HTR-5750, DSP-AX450 only



FUNCTION (4) P. C. B. (Surface Mount Device)



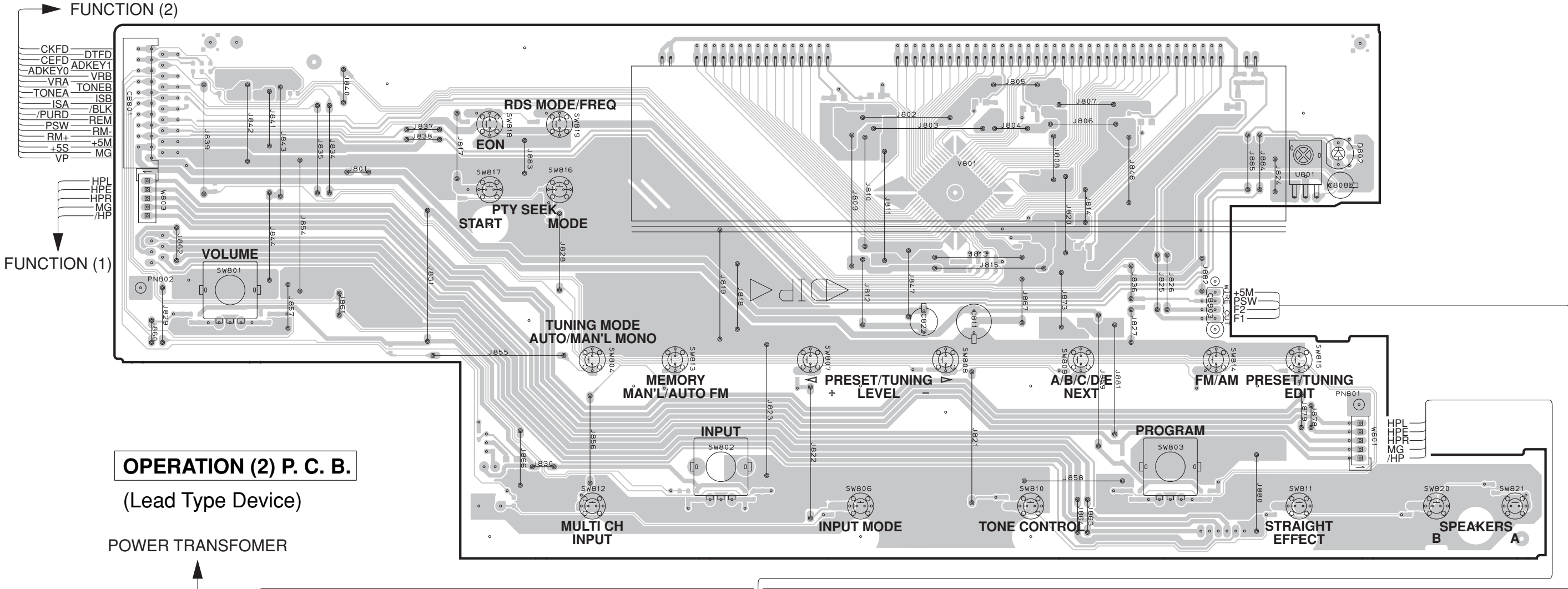
FUNCTION (8) P. C. B.
(Surface Mount Device)



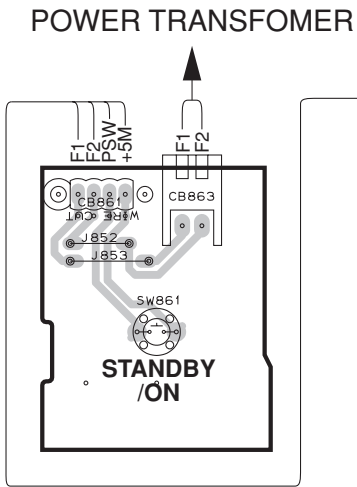
- Semiconductor Location

Ref. no.	Location	Ref. no.	Location
D601	B4	D610	C5
D602	B5	IC603	A3
D603	B5	IC606	A5
D604	B5	IC607	B4
D606	A5	IC608	A3
D607	C4	IC609	B5
D608	C4	Q753	I6
D609	C4	Q756	I6

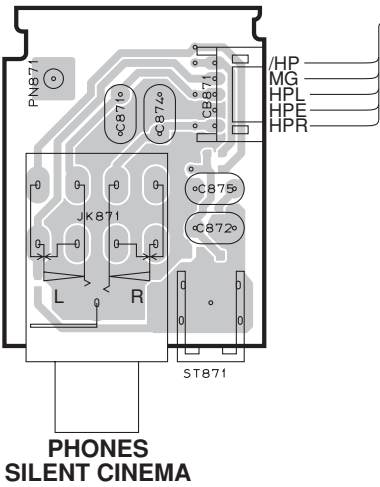
PRINTED CIRCUIT BOARD (Foil side) RX-V550
OPERATION (1) P. C. B. (Lead Type Device)



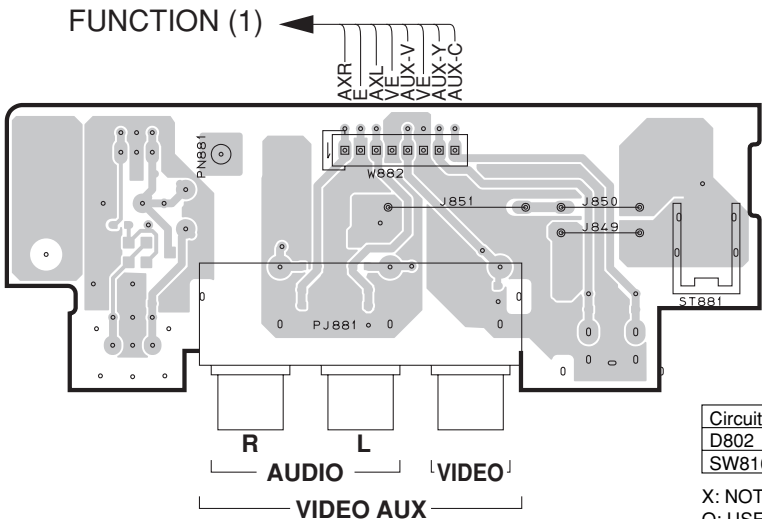
OPERATION (2) P. C. B. (Lead Type Device)



OPERATION (3) P. C. B. (Lead Type Device)



OPERATION (4) P. C. B. (Lead Type Device)



• Semiconductor Location

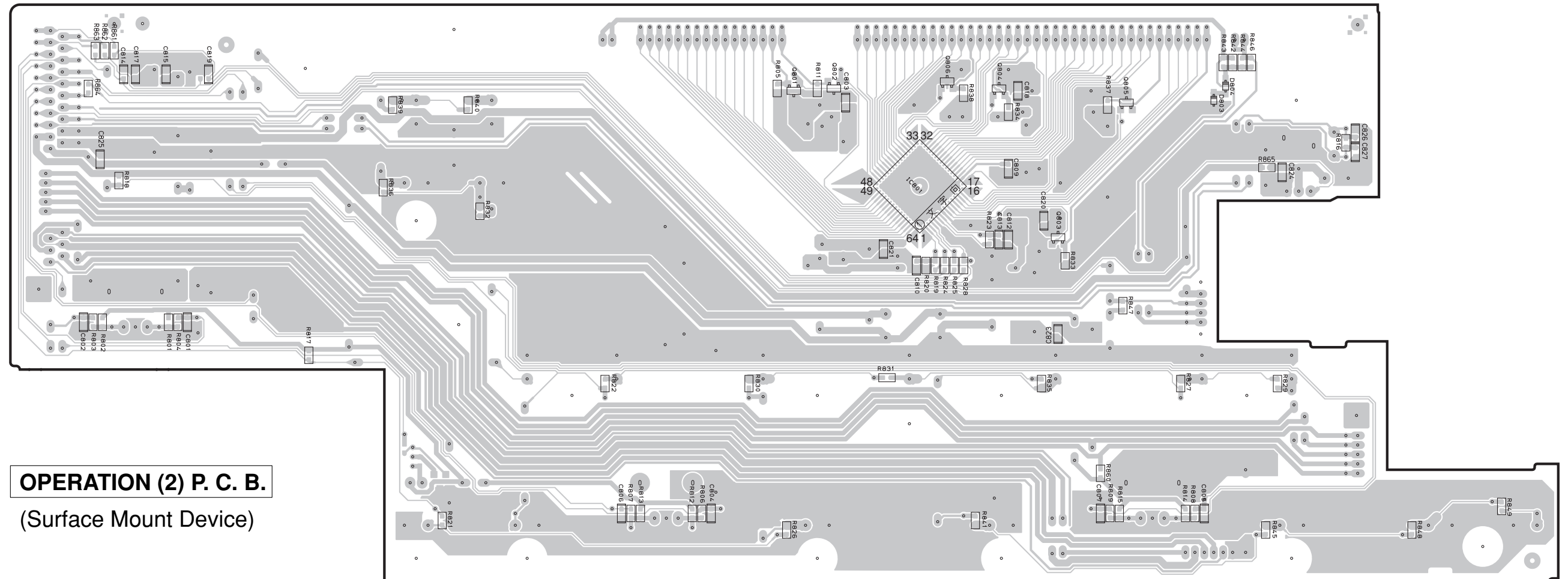
Ref. no.	Location
D802	I2

Circuit No.	U. C. A	B. G. E	L. R. T. K
D802	O	X	X
SW816-819	X	O	X

X: NOT USED
O: USED / APPLICABLE

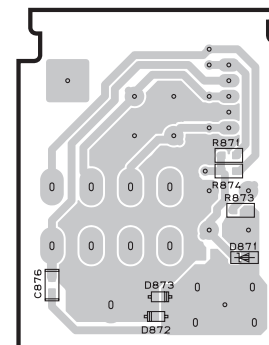
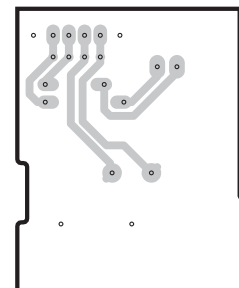
RX-V550

OPERATION (1) P. C. B.

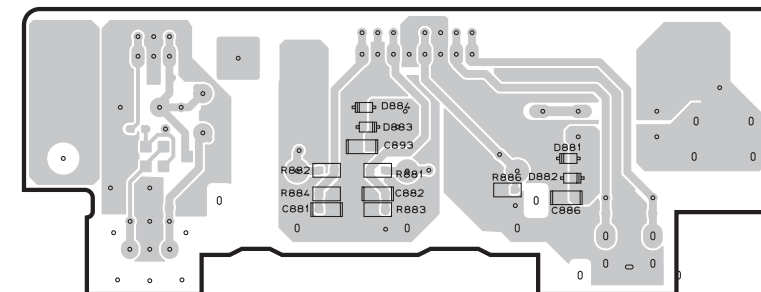


OPERATION (2) P. C. B. (Surface Mount Device)

OPERATION (3) P. C. B.
(Surface Mount Device)



OPERATION (4) P. C. B. (Surface Mount Device)



Circuit No.	U, C, A	B, G, E	L, R, T, K
R816	O	X	X
R832, 836, 839, 840	X	O	X

X: NOT USED
O: USED / APPLICABLE

- Semiconductor Location

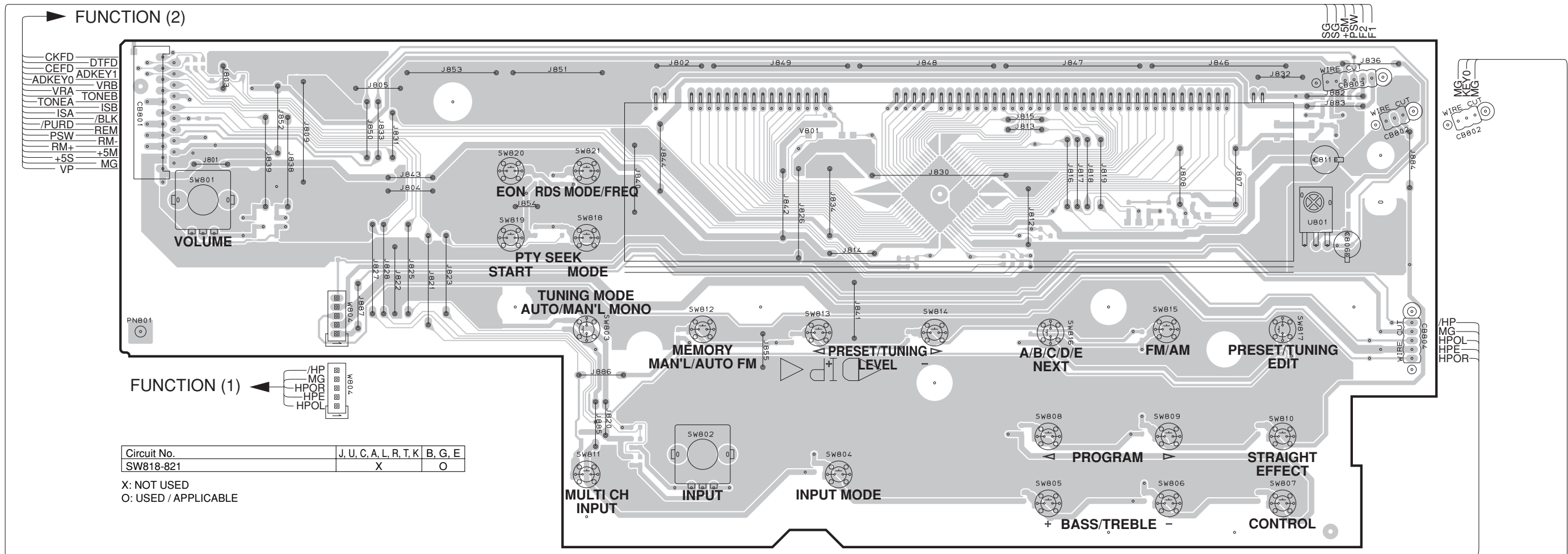
Ref. no.	Location
D803	H2
D804	H2
D871	D6
D872	D7
D873	D7
D881	H6
D882	H6
D883	G6
D884	G6
IC801	G3
Q801	F2
Q802	F2
Q803	G3
Q804	G2
Q805	H2
Q806	G2

PRINTED CIRCUIT BOARD (Foil side)

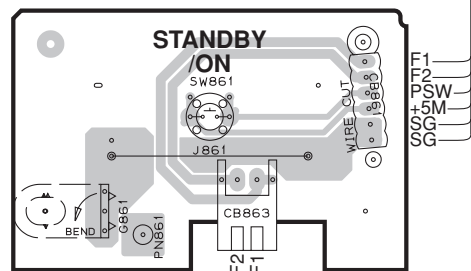
HTR-5750

RX-V450/HTR-5740/DSP-AX450

OPERATION (1) P. C. B. (Lead Type Device)

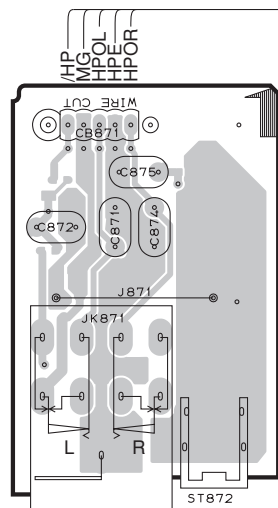


OPERATION (2) P. C. B. (Lead Type Device)



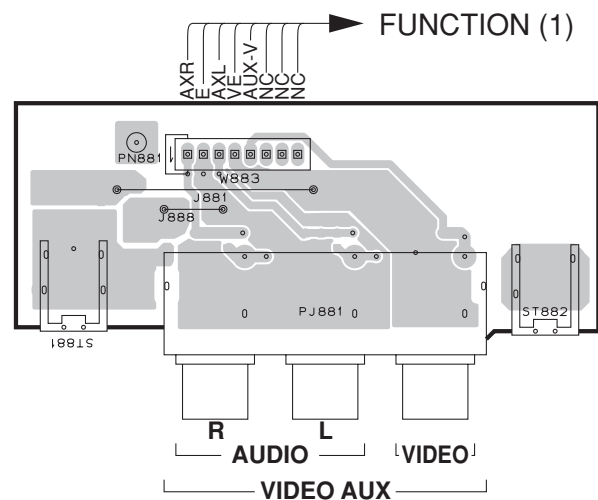
POWER TRANSFORMER

OPERATION (3) P. C. B. (Lead Type Device)



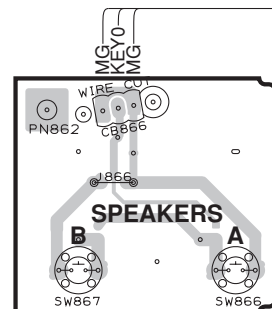
PHONES
SILENT CINEMA

OPERATION (4) P. C. B. (Lead Type Device)



R L VIDEO
AUDIO VIDEO AUX

OPERATION (5) P. C. B. (Lead Type Device)



SPEAKERS
B A

1

OPERATION (1) P. C. B.

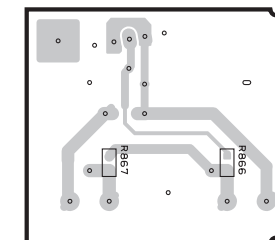
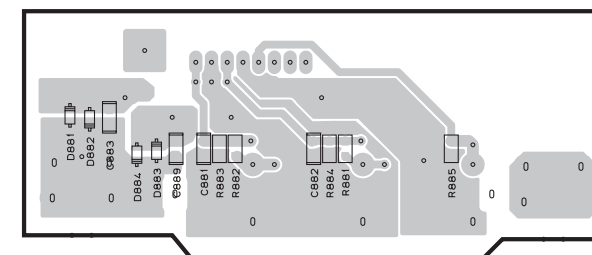
3

4

5

OPERATION (4) P. C. B.

OPERATION (5) P. C. B.

67

Ref. no.	Location	Ref. no.	Location	Ref. no.	Location	Ref. no.	Location	Ref. no.	Location	Ref. no.	Location	Ref. no.	Location	Ref. no.	Location	Ref. no.	Location
D1	C3	D9	G4	D17	J4	D26	G3	Q3	H6	Q11	G5	Q22	B6,C6	Q33	F4	Q258	J5
D2	C3	D10	G4	D18	C5	D27	E4	Q4	H5	Q12	E6	Q24	G6	Q34	I4	Q259	C5
D3	H4	D11	E5	D19	G4	D251	C3	Q5	D6	Q13	E5	Q26	E6,F6	Q35	H3	Q260	G5
D4	H4	D12	E4	D20	E4	D252	D3	Q6	D5	Q14	C3	Q28	I4	Q251	C3	Q261	F5
D5	D5	D13	I4	D22	H3	D253	H5	Q7	J6	Q15	I4	Q29	D4	Q252	C3	Q262	H5
D6	D4	D14	I4	D23	I4	D254	C5	Q8	C6	Q16	H6,I6	Q30	J4	Q253	D3	Q263	D5
D7	C4	D15	H5	D24	E4	Q1	C3	Q9	B4	Q18	D6	Q31	C4	Q256	I5	Q264	I5
D8	C4	D16	D5	D25	D4	Q2	C3	Q10	G6	Q20	I6,J6	Q32	H5	Q257	E5	Q265	B5

PRINTED CIRCUIT BOARD (Foil side)

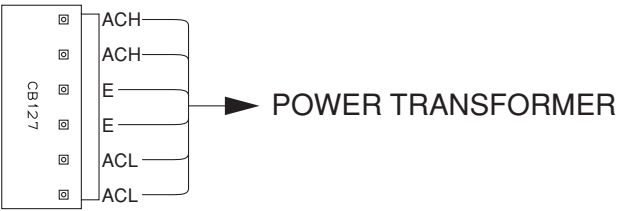
MAIN (2) P. C. B. (Lead Type Device)

Circuit No.	J	U	C	A	B	G	E	L	R	T	K
C130, 131, 134-137, 138-141	X	X					O				
SW1	X	O					O				

X: NOT USED
O: USED / APPLICABLE

Semiconductor Location

Ref. no.	Location	Ref. no.	Location
D120	E5	D142	H4
D121	D5	D143	H4
D122	H5	D144	H4
D123	E5	IC1	H4
D124	E5	IC2	H4
D125	D5	IC3	H4
D126	D5	IC4	H4
D127	C5	Q120	H5
D128	C5	Q121	D5
D129	B4	Q123	E5
D130	B4	Q125	B5
D132	C5	Q126	B5
D133	G5	Q127	H5
D134	H4	Q128	H3
D135	H4	Q129	H4
D138	H3	Q130	H3
D139	H3	Q131	H4
D141	H4		



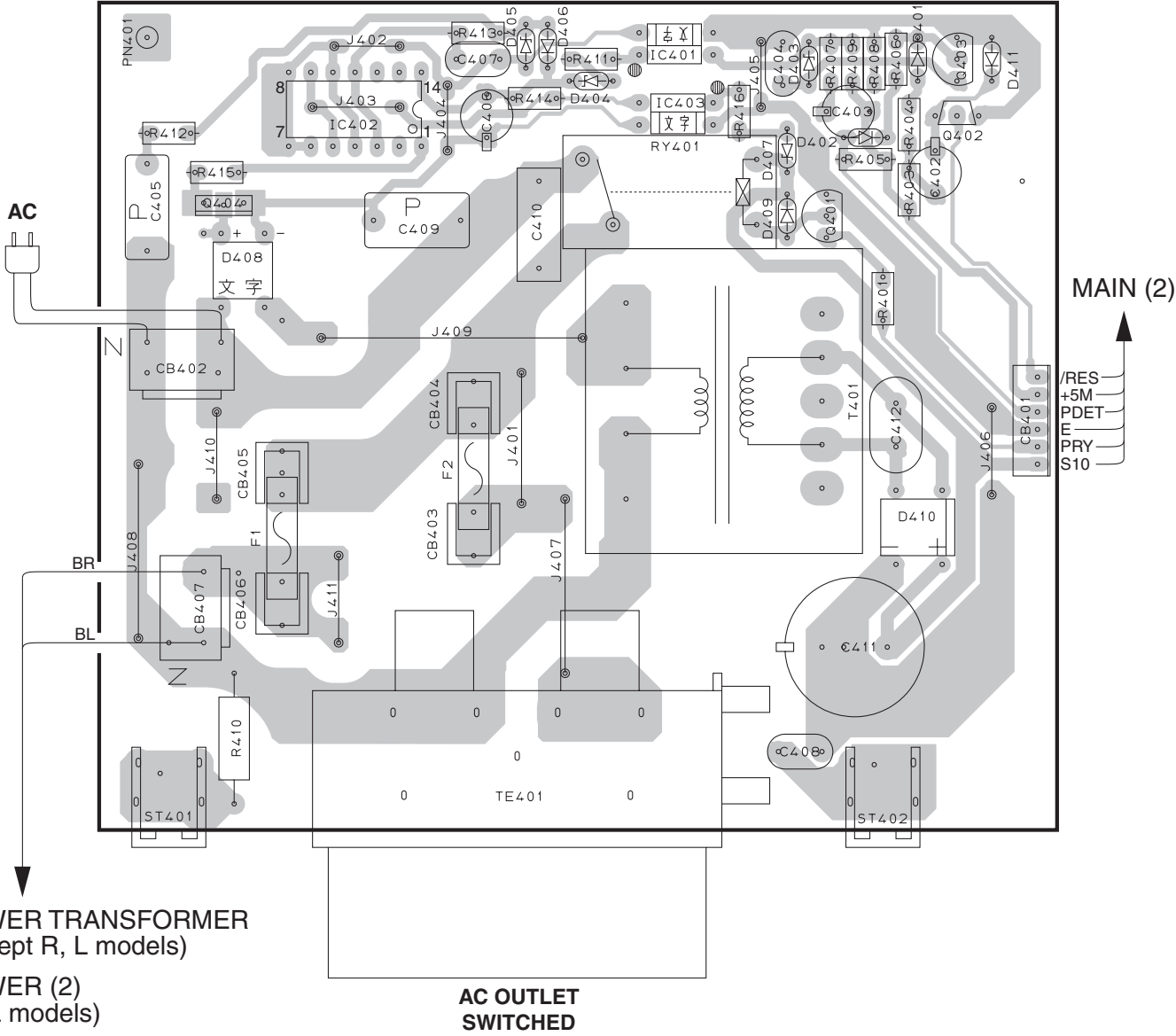
SUBTRANS

S10
PRY
MG
PDET
+5M
/RES

MAIN (5) P. C. B. (Lead Type Device)

SW
SWE MTFS
PRY SBRY
ERY MBRY
MARY Z2RY
/4ohm 8/4
PRV PDET
/RES +5S
+5M S10
MG VP

1 ■ PRINTED CIRCUIT BOARD (Foil side)
SUBTRANS P. C. B. (Lead Type Device)



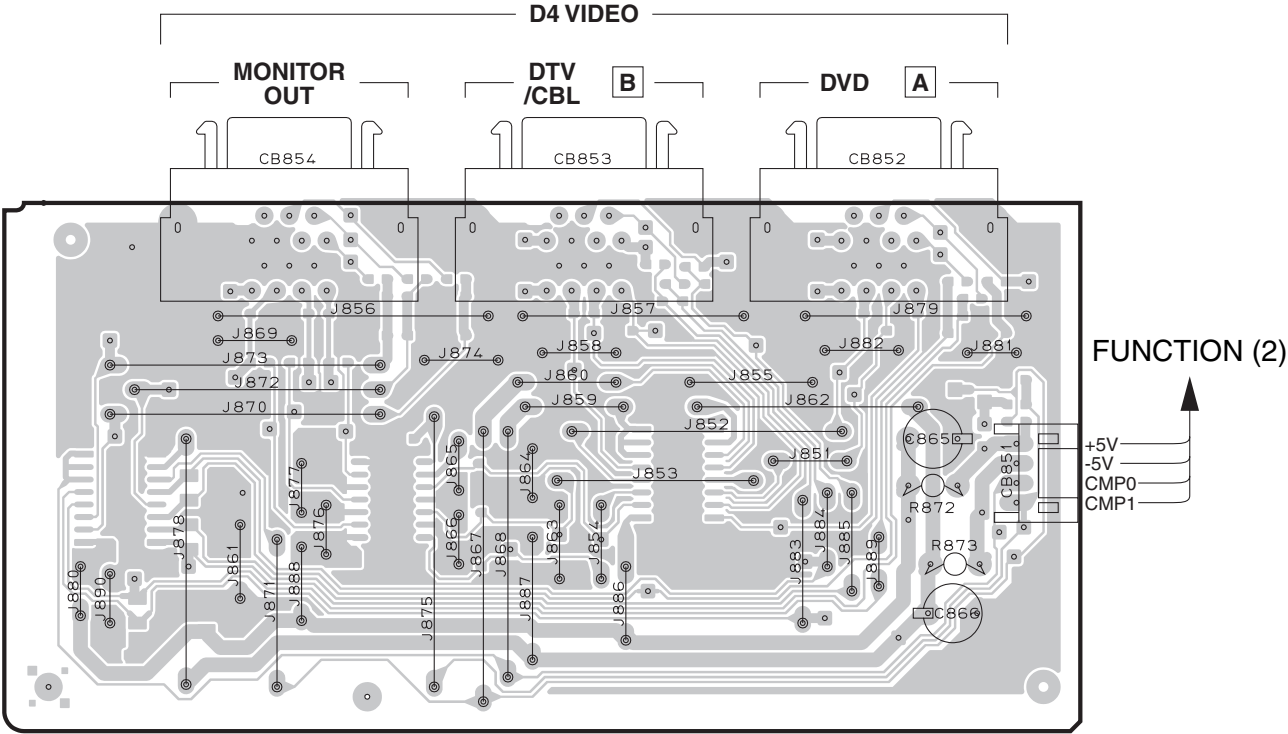
Circuit No.	J	U, C	A, L, R, T, K	B	G, E
CB403, 404	X	O	X	X	O
F2	X	O	X	X	O
J401	O	X	O	O	X
R410	X	O	X	X	X

X: NOT USED
O: USED / APPLICABLE

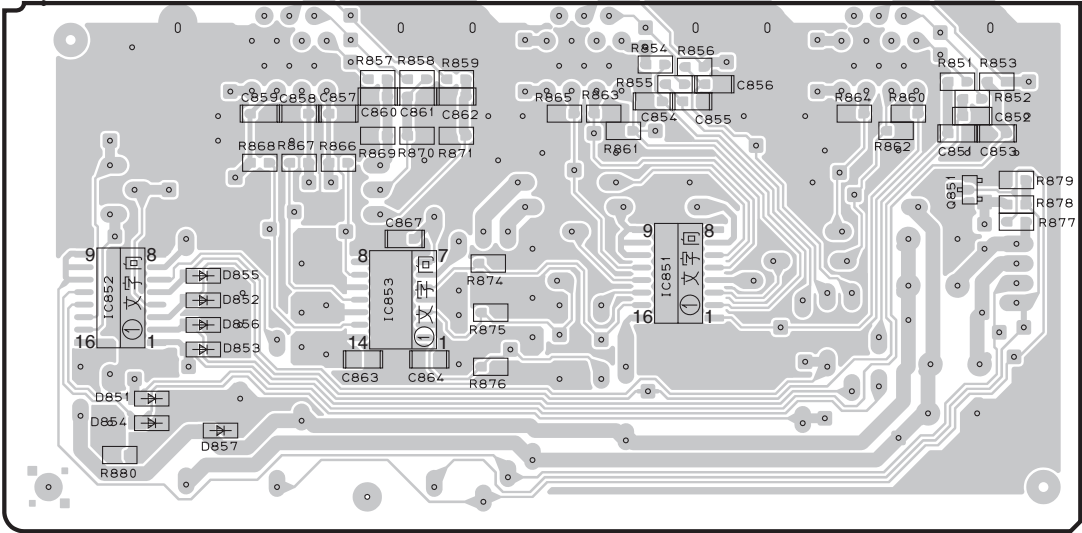
• Semiconductor Location

Ref. no.	Location	Ref. no.	Location	Ref. no.	Location
D0401	D2	D0407	D2	IC402	B2
D0402	D2	D0408	B2	IC403	C1
D0403	D2	D0409	D2	Q0401	D2
D0404	C2	D0410	D3	Q0402	E2
D0405	C2	D0411	E2	Q0403	E2
D0406	C2	IC401	C2	Q0404	B2

DSP-AX450
VIDEO P. C. B. (Lead Type Device)



VIDEO P. C. B. (Surface Mount Device)

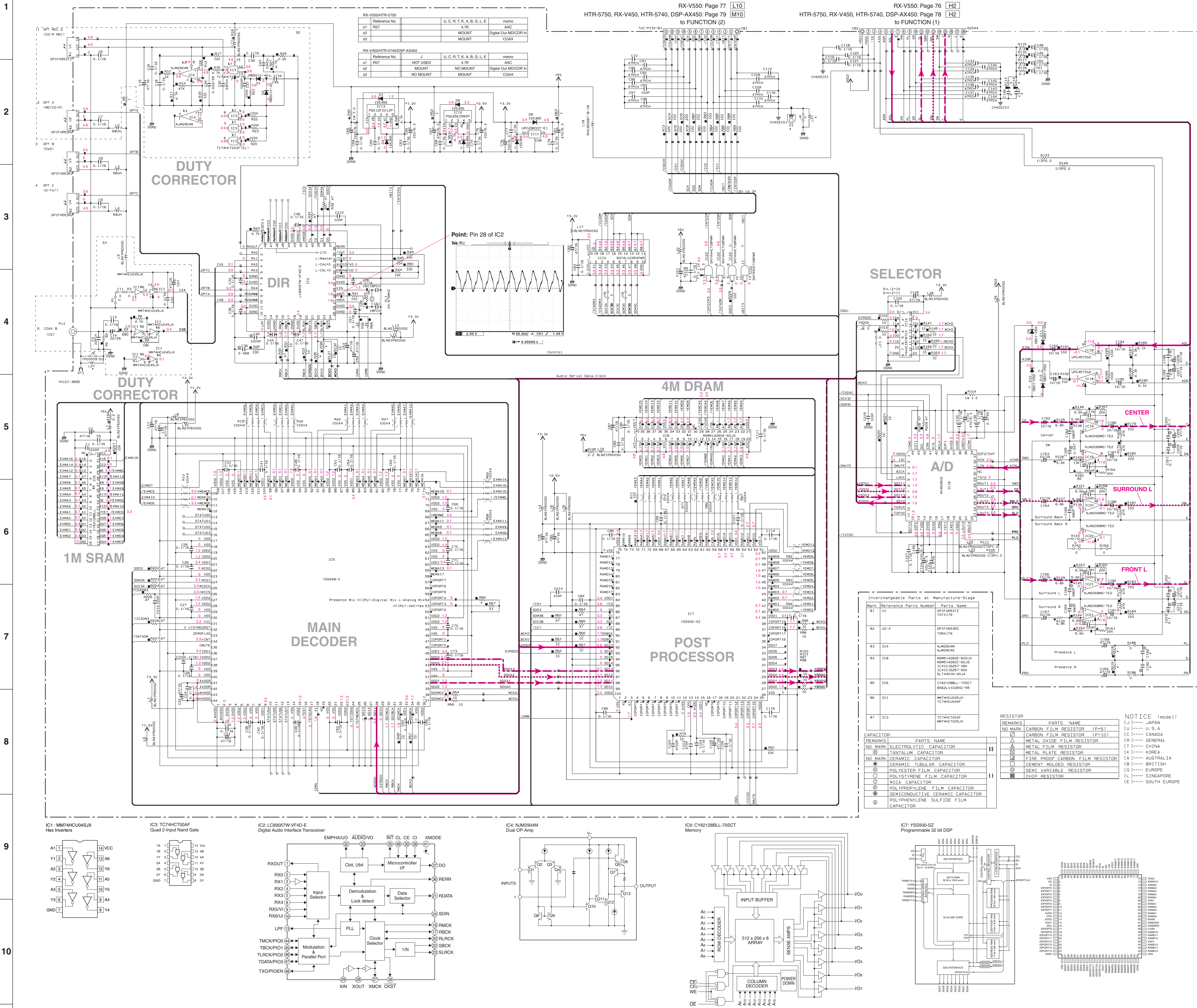


• Semiconductor Location

Ref. no.	Location
D0851	F6
D0852	G6
D0853	G6
D0854	F6
D0855	G6
D0856	G6
D0857	G7
IC851	H6
IC852	F6
IC853	G6
Q0851	I6

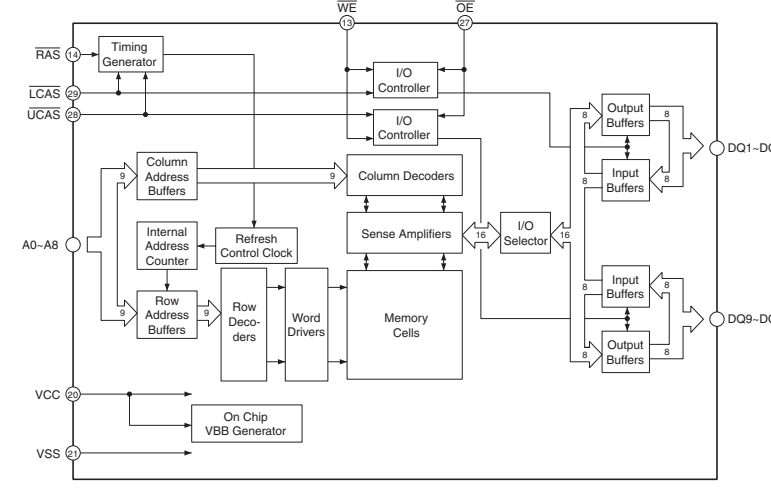
SCHEMATIC DIAGRAM (DSP)

RX-V550/HTR-5750/RX-V450/HTR-5740/DSP-AX450



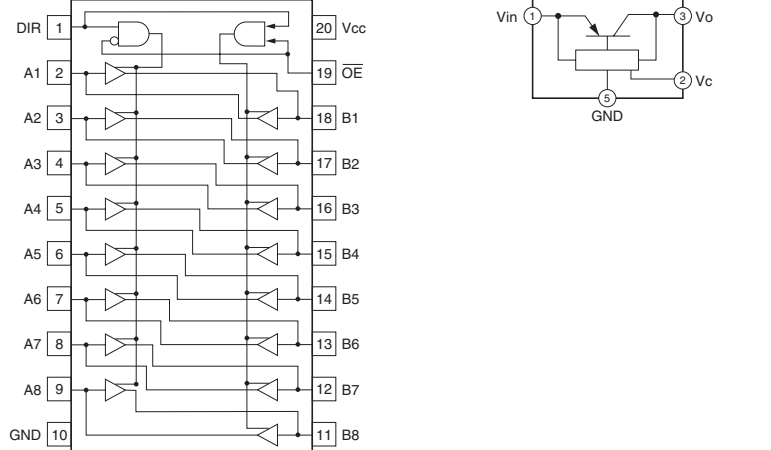
IC8: MS514260E-60JS

4Mbit DRAM



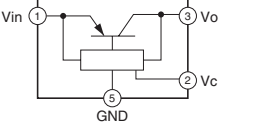
IC10: SN74LV245APWR

Octal Bus Transceiver with 3-state Outputs



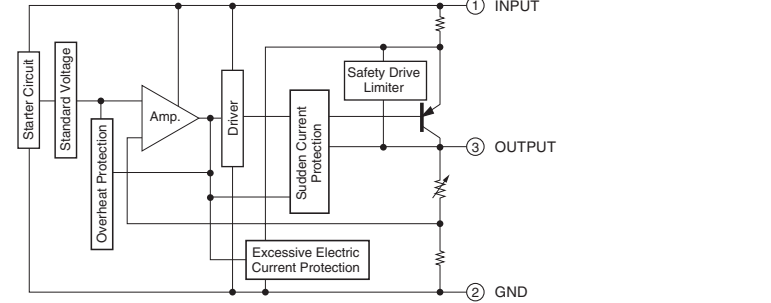
IC12: PQ02SEZSMZP

Regulator



IC11: μPC29M33T-E1

Voltage Regulator



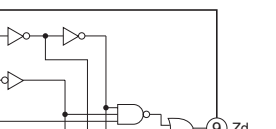
IC13: PQ012F20ZP

Voltage Regulator



IC14: 74VHC15MTGX

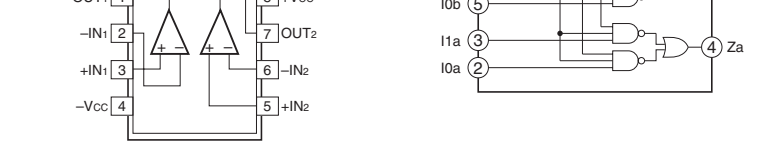
Quad 2-Input Multiplexer



IC18: μPC457002

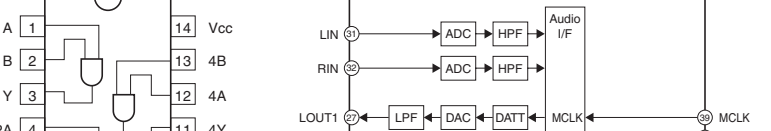
IC19-21: NJM2068MD

Dual Op-Amp



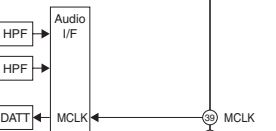
IC22: SN74AHC08PWR

Quad 2-Input And Gate



IC16: AK4628VQ

192kHz 24Bit 8-channel CODEC



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

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

■ SCHEMATIC DIAGRAM (FUNCTION 1/2) RX-V550

		U-C	R	T	K	A	B-G-E	L
s1	PJ752	MSP-246V1-01N1 V704680	MSP-244V1-01N1 V704670	MSP-244V1-01N1 V704670	MSP-244V1-01N1 V704670	MSP-246V1-01N1 V704680	MSP-244V1-01N1 V704670	MSP-244V1-01N1 V704670
s2	0751-752 754-755	C3326(A/B) V030370	X	X	X	C3326(A/B) V030370	X	X
s3	C754-755	47P F665147	X	X	X	47P F665147	X	X
s4	C767-768 UR83710	10/16 RD35510	X	X	X	10/16 UR83710	X	X
s5	R760-761	100 RD35510	X	X	X	100 RD35510	X	X
s6	R779-780	220 RD35522	X	X	X	220 RD35522	X	X
s7	R782-783	1K RD35610	X	X	X	1K RD35610	X	X
s8	R771-774	10K RD35710	X	X	X	10K RD35710	X	X
s9	R788-789	100K RD35810	X	X	X	100K RD35810	X	X
s10	IC302	BD3841FS X354740	X	X	X	BD3841FS X354740	X	X
s11	IC328-329	0.1/16 US13510	X	X	X	0.1/16 US13510	X	X
s12	C772	0.01 US06410	X	X	X	0.01 US06410	X	X
s13	R791	2-2 RD35322	X	X	X	2-2 RD35322	X	X
s14	R785-786	2-2K RD35622	X	X	X	2-2K RD35622	X	X

x: NOT USED
o: USED / APPLICABLE

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

Interchangeable Parts at Manufacture-Stage

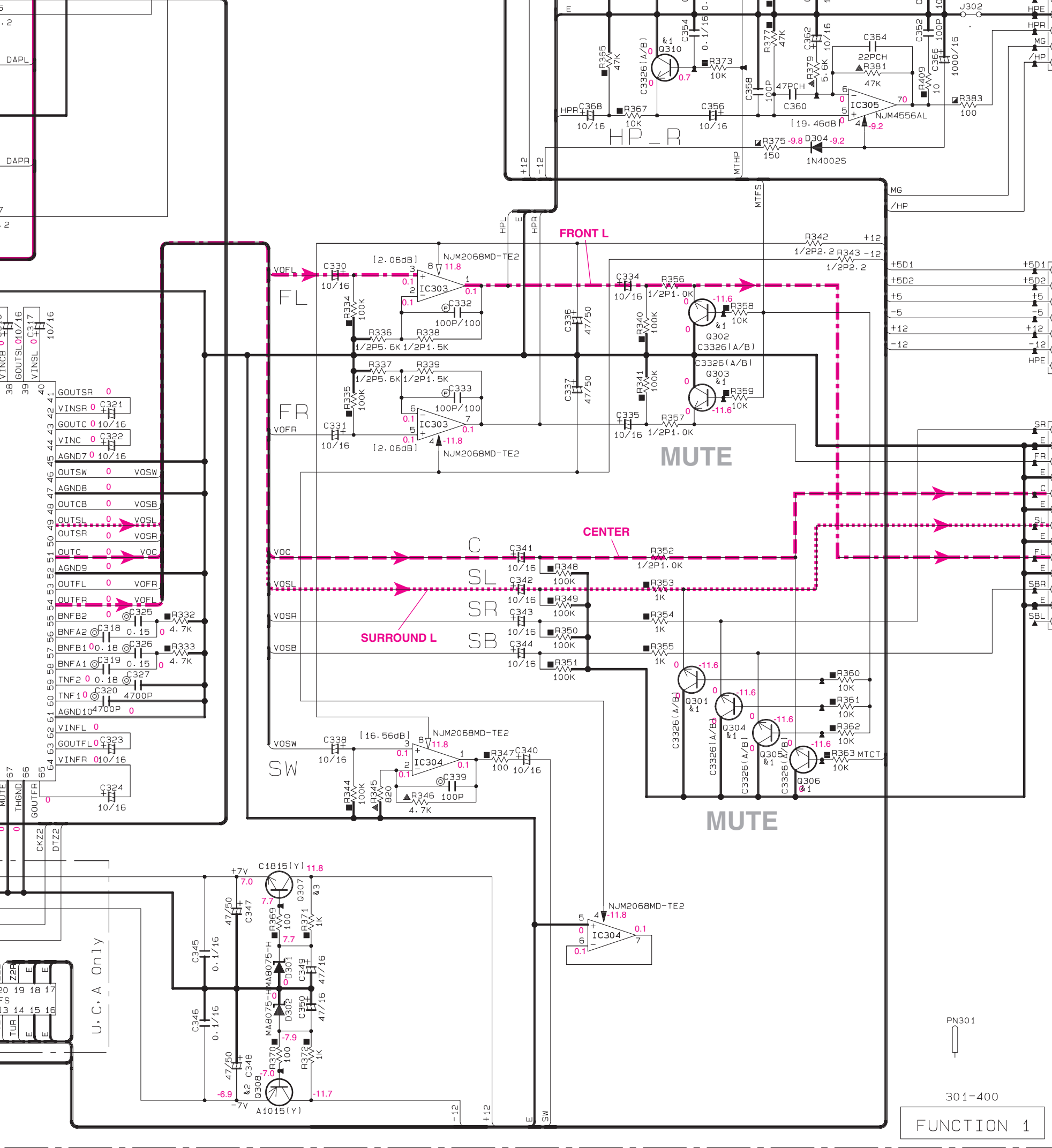
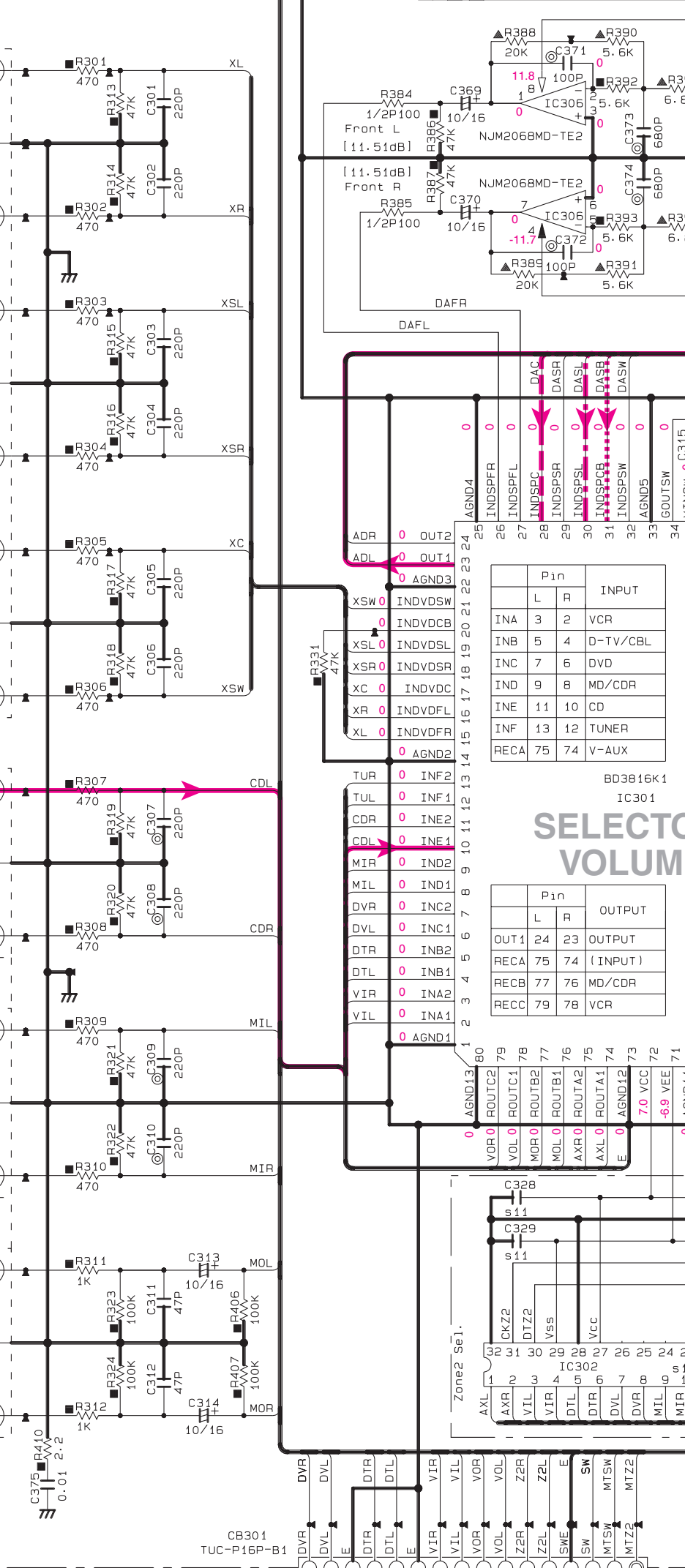
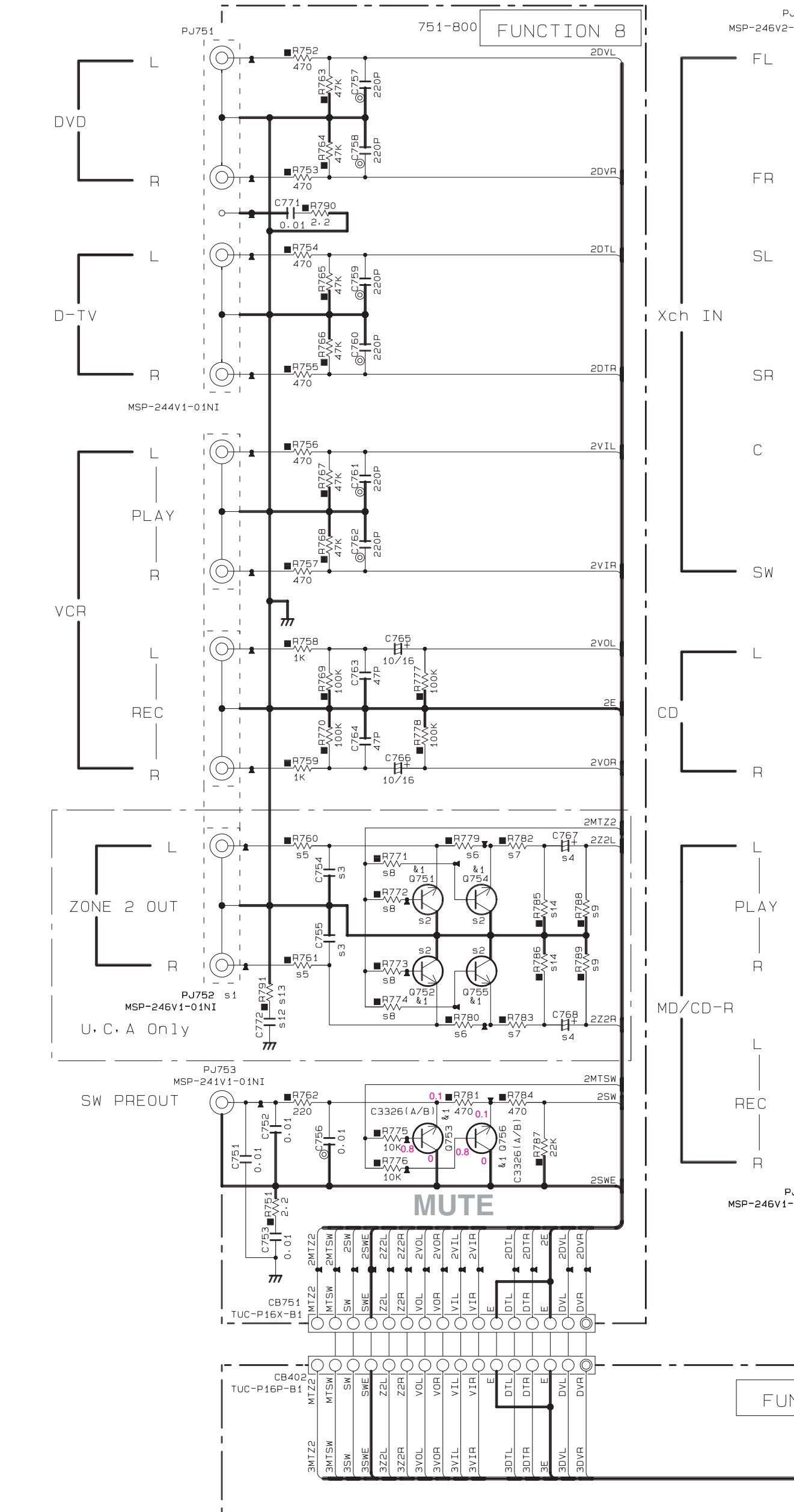
Mark	Reference Parts Number	Parts Name
k1	0301-305, 309, 310 751-755	2SC3326(A/B) 2SD704(K) 2SC3326(A/B) 2SC5938(A/B)
k2	0308	2SA1015(Y) KTA1266
k3	0307	2SC1815(Y) KTC3198

RESISTOR

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

CAPACITOR

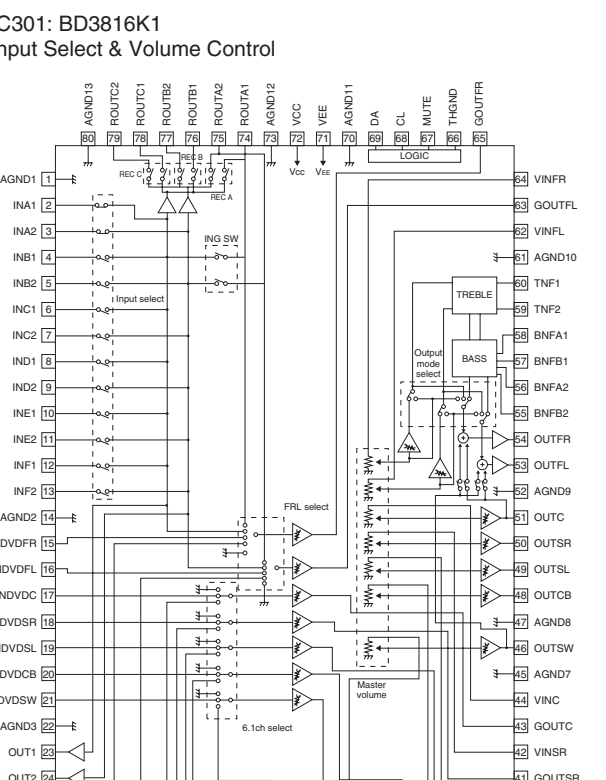
REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
⊙	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
①	MICA CAPACITOR
Ⓟ	POLYPROPYLENE FILM CAPACITOR
⊙	SEMICONDUCTIVE CERAMIC CAPACITOR



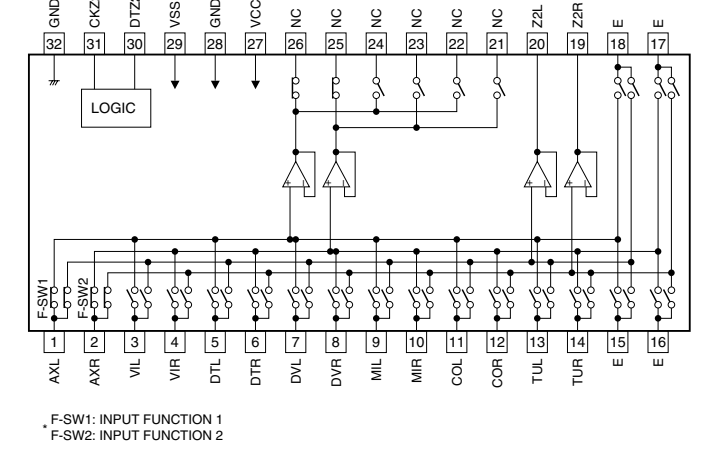
Page 80 [H8]
to OPERATION (1)

Page 83 [A1]
to POWER (1)

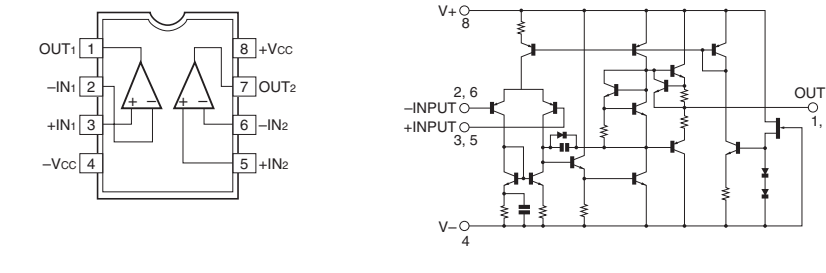
Page 83 [A2]
to POWER (1)



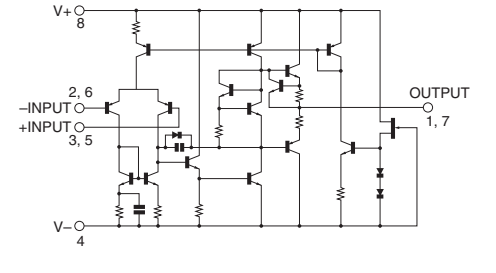
IC302: BD3841FS
Function Switch



IC303, 304, 306: NJM2068MD
Dual OP-Amp.



IC305: NJM4556AL
Dual OP-Amp



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

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★ 本回路図は標準回路図です。改良のため予告なく変更することがございます。



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

- ★ 電圧は、内部抵抗10MΩの電圧計で測定したものです。
- ★ 上印のある部品は、安全性確保部品を示しています。部品の交換が必要な場合、パーツリストに記載されている部品を使用してください。
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SCHEMATIC DIAGRAM (FUNCTION 2/2) HTR-5750 RX-V450/HTR-5740/DSP-AX450

RX-V550/HTR-5750/RX-V450/HTR-5740/DSP-AX450

REMARKS	PARTS NAME	REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (D=5)	NO MARK	ELECTROLYTIC CAPACITOR
□	CARBON FILM RESISTOR (D=10)	□	TANTALUM CAPACITOR
△	METAL OXIDE FILM RESISTOR	○	CERAMIC CAPACITOR
◇	METAL FILM RESISTOR	○	CERAMIC TUBULAR CAPACITOR
■	METAL PLATE RESISTOR	○	POLYESTER FILM CAPACITOR
□	FIRE-PROOF CARBON FILM RESISTOR	○	POLYSTYRENE FILM CAPACITOR
□	CEMENT MOLDED RESISTOR	○	MICA CAPACITOR
□	SEMI-VARIABLE RESISTOR	○	POLYPROPYLENE FILM CAPACITOR
■	CHIP RESISTOR	○	SEMICONDUCTIVE CERAMIC CAPACITOR

Mark	Reference Parts Number	Parts Name
411	IC007:608	TK15420MTL
412	IC009	TC74HC04AFEL
413	IC701:603-606	TC74HC043AF
414	0503-504-506	25A1037A(10/P/S)
415	0701	25C2412A(10/P/S)
416	0501-503-511-601-604	15S355
417	0509	01C1406A
418	0514	25A1010(1/P)
419	0508-601-608-610-612	25C17405(10/P/S)
420	0507	25C1818(1/P)
421		KTIC3198

NOTICE (mode1)
(J)..... JAPAN
(U)..... U.S.A.
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE

Tuner / VIDEO

HTR-5750	U.C.	T	K	A	B.G.E
416	R549	X	X	100K	RD35810
417	R553	100K	RD35810	X	X
418	R552	100K	RD35810	X	X
419	R555	X	100K	RD35810	X
420	CB511	X	X	X	X
421	SW901	X	X	X	X
422	W513	X	X	X	X
423	CB512	X	X	X	X
424	T501	WC71660	WC71670	WC71680	WC71690
425	T502	WC71660	WC71670	WC71680	WC71690

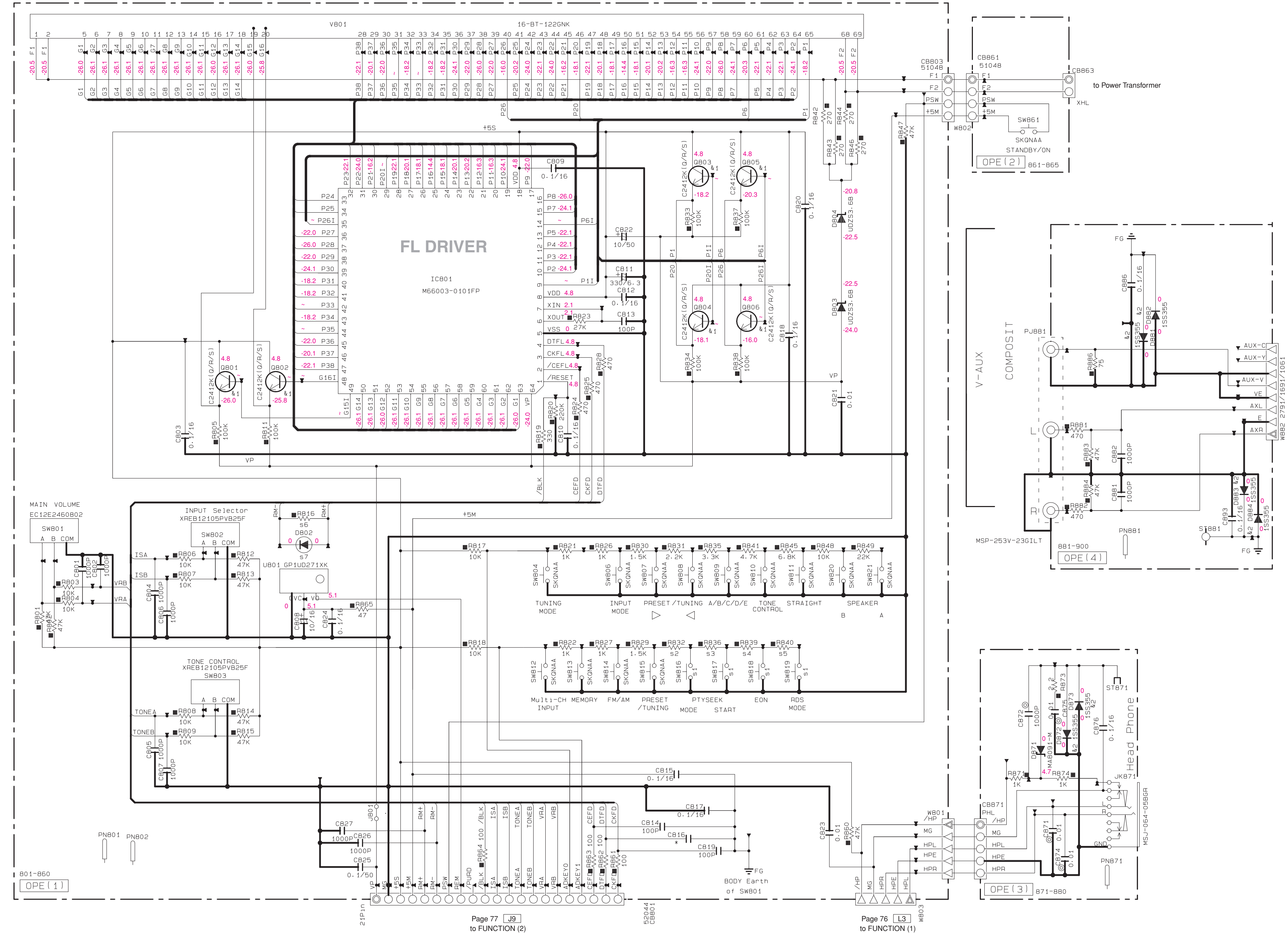
RDS

HTR-5750	U.C.	T	K	A	B.G.E
426	IC503	X	X	X	X
427	IC505	X	X	X	X
428	IC507	X	X	X	X
429	IC509	X	X	X	X
430	IC511	X	X	X	X
431	IC513	X	X	X	X
432	IC515	X	X	X	X
433	IC517	X	X	X	X
434	IC519	X	X	X	X
435	IC521	X	X	X	X
436	IC523	X	X	X	X
437	IC525	X	X	X	X
438	IC527	X	X	X	X
439	IC529	X	X	X	X
440	IC531	X	X	X	X
441	IC533	X	X	X	X
442	IC535	X	X	X	X
443	IC537	X	X	X	X
444	IC539	X	X	X	X
445	IC541	X	X	X	X
446	IC543	X	X	X	X
447	IC545	X	X	X	X
448	IC547	X	X	X	X
449	IC549	X	X	X	X
450	IC551	X	X	X	X
451	IC553	X	X	X	X
452	IC555	X	X	X	X
453	IC557	X	X	X	X
454	IC559	X	X	X	X
455	IC561	X	X	X	X
456	IC563	X	X	X	X
457	IC565	X	X	X	X
458	IC567	X	X	X	X
459	IC569	X	X	X	X
460	IC571	X	X	X	X
461	IC573	X	X	X	X
462	IC575	X	X	X	X
463	IC577	X	X	X	X
464	IC579	X	X	X	X
465	IC581	X	X	X	X
466	IC583	X	X	X	X
467	IC585	X	X	X	X
468	IC587	X	X	X	X
469	IC589	X	X	X	X
470	IC591	X	X	X	X
471	IC593	X	X	X	X
472	IC595	X	X	X	X
473	IC597	X	X	X	X
474	IC599	X	X	X	X
475	IC601	X	X	X	X
476	IC603	X	X	X	X
477	IC605	X	X	X	X
478	IC607	X	X	X	X
479	IC609	X	X	X	X
480	IC611	X	X	X	X
481	IC613	X	X	X	X
482	IC615	X	X	X	X
483	IC617	X	X	X	X
484	IC619	X	X	X	X
485	IC621	X	X	X	X
486	IC623	X	X	X	X
487	IC625	X	X	X	X
488	IC627	X	X	X	X
489	IC629	X	X	X	X
490	IC631	X	X	X	X
491	IC633	X	X	X	X
492	IC635	X	X	X	X
493	IC637	X	X	X	X
494	IC639	X	X	X	X
495	IC641	X	X	X	X
496	IC643	X	X	X	X
497	IC645	X	X	X	X
498	IC647	X	X	X	X
499	IC649	X	X	X	X
500	IC651	X	X	X	X
501	IC653	X	X	X	X
502	IC655	X	X	X	X
503	IC657	X	X	X	X
504	IC659	X	X	X	X
505	IC661	X	X	X	X
506	IC663	X	X	X	X
507	IC665	X	X	X	X
508	IC667	X	X	X	X
509	IC669	X	X	X	X
510	IC671	X	X	X	X
511	IC673	X	X	X	X
512	IC675	X	X	X	X
513	IC677	X	X	X	X
514	IC679	X	X	X	X
515	IC681	X	X	X	X
516	IC683	X	X	X	X
517	IC685	X	X	X	X
518	IC687	X	X	X	X
519	IC689	X	X	X	X
520	IC691	X	X	X	X
521	IC693	X	X	X	X
522	IC695	X	X	X	X
523	IC697	X	X	X	X
524	IC699	X	X	X	X
525	IC701	X	X	X	X
526	IC703	X	X	X	X
527	IC705	X	X	X	X
528	IC707	X	X	X	X
529	IC709	X	X	X	X
530	IC711	X	X	X	X
531	IC713	X	X	X	X
532	IC715	X	X	X	X
533	IC717	X	X	X	X
534	IC719	X	X	X	X
535	IC721	X	X	X	X
536	IC723	X	X	X	X
537	IC725	X	X	X	X
538	IC727	X	X	X	X
539	IC729	X	X	X	X
540	IC731	X	X	X	X
541	IC733	X	X	X	X
542	IC735	X	X	X	X
543	IC737	X	X	X	X
544	IC739	X	X	X	X
545	IC741	X	X	X	X
546	IC743	X	X	X	X
547	IC745	X	X	X	X
548	IC747	X	X	X	X
549	IC749	X	X	X	X
550	IC751	X	X	X	X
551	IC753	X	X	X	X
552	IC755	X	X	X	X
553	IC757	X	X	X	X
554	IC759	X	X	X	X
555	IC761	X	X	X	X
556	IC763	X	X	X	X
557	IC765	X	X	X	X
558	IC767	X	X	X	X
559	IC769	X	X	X	X
560	IC771	X	X	X	X
561	IC773	X	X	X	X
562	IC775	X	X	X	X
563	IC777	X	X	X	X
564	IC779	X	X	X	X
565	IC781	X	X	X	X
566	IC783	X	X	X	X
567	IC785	X	X	X	X
568	IC787	X	X	X	X
569	IC789	X	X	X	X
570	IC791	X	X	X	X
571	IC793	X	X	X	X
572	IC795	X	X	X	X
573	IC797	X	X	X	X
574	IC799	X	X	X	X
575	IC801	X	X	X	X
576	IC803	X	X	X	X
577	IC805	X	X	X	X
578	IC807	X	X	X	X
579	IC809	X	X	X	X
580	IC811	X	X	X	X
581	IC813	X	X	X	X
582	IC815	X	X	X	X
583	IC817	X	X	X	X
584	IC819	X	X	X	X
585	IC821	X	X	X	X
586	IC823	X	X	X	X
587	IC825	X	X	X	X
588	IC827	X	X	X	X
589	IC829	X	X	X	X
590	IC831	X	X	X	X
591	IC833	X	X	X	X
592	IC835	X	X	X	X
593	IC837	X	X	X	X
594	IC839	X	X	X	X
595	IC841	X	X	X	X
596	IC843	X	X	X	X
597	IC845	X	X	X	X
598	IC847	X	X	X	X
599	IC849	X	X	X	X
600	IC851	X	X	X	X
601	IC853	X	X	X	X
602	IC855	X	X	X	X
603	IC857	X	X	X	X
604	IC859	X	X	X	X
605	IC861	X	X	X	X
606	IC863	X	X	X	X
607	IC865	X	X	X	X
608	IC867	X	X	X	X
609	IC869	X	X	X	X
610	IC871	X	X	X	X
611	IC873	X	X	X	X
612	IC875	X	X	X	X
613	IC877	X	X	X	X
614	IC879	X	X	X	X
615	IC881	X	X	X	X
616	IC883	X	X	X	X
617	IC885	X	X	X	X
618	IC887	X	X	X	X
619	IC889	X	X	X	X
620	IC891	X	X	X	X
621	IC893	X	X	X	X
622	IC895	X	X	X	X
623	IC897	X	X	X	X
624	IC899	X	X	X	X
625	IC901	X	X	X	X
626	IC903	X	X	X	X
627	IC905	X	X	X	X
628	IC907	X	X	X	X
629	IC909	X	X	X	X
630	IC911	X	X	X	X
631	IC913	X	X	X	X
632	IC915	X	X	X	X
633	IC917	X	X	X	X
634	IC919	X	X	X	X
635	IC921	X	X	X	X
636	IC923	X	X	X	X
637	IC925	X	X	X	X
638	IC927	X	X	X	X
639	IC929	X	X	X	X
640	IC931	X	X	X	X
641	IC933	X	X	X	X
642	IC935	X	X	X	X
643	IC937	X	X	X	X
644	IC939	X	X	X	X
645	IC941	X	X	X	X
646	IC943	X	X	X	X
647	IC945	X	X	X	X
648	IC947	X	X	X	X
649	IC949	X	X	X	X
650	IC951	X	X	X	X
651	IC953	X	X	X	X
652	IC955	X	X	X	X
653	IC957	X	X	X	X
654	IC959	X	X	X	X
655	IC961	X	X	X	X
656	IC963	X	X	X	X
657	IC965	X	X	X	X
658	IC967	X	X	X	X
659	IC969	X	X	X	X
660	IC971	X	X	X	X
661	IC973	X	X	X	X
662	IC975	X	X	X	X
663	IC977	X	X	X	X
664	IC979	X	X	X	X
665	IC981	X	X	X	X
666	IC983	X	X	X	X
667	IC985	X	X	X	X
668	IC987	X	X	X	X
669	IC989	X	X	X	X
670	IC991	X	X	X	X
671	IC993	X	X	X	X
672	IC995	X	X	X	X
673	IC997	X	X	X	X
674	IC999	X	X	X	X
675	IC1001	X	X	X	X
676	IC1003	X	X	X	X
677	IC1005	X	X	X	X
678	IC1007	X	X	X	X
679	IC1009	X	X	X	X
680	IC1011	X	X	X	X
681	IC1013	X	X	X	X
682	IC1015	X	X	X	X
683	IC1017	X	X	X	X
684	IC1019	X	X	X	X
685	IC1021	X	X	X	X
686	IC1023	X	X	X	X
687	IC1025	X	X	X	X
688	IC1027	X	X	X	X
689	IC1029	X	X	X	X
690	IC1031	X	X	X	X
691	IC1033	X	X	X	X
692	IC1035	X	X	X	X
693	IC1037	X	X	X	X
694	IC1039	X	X	X	X
695	IC1041	X	X	X	X
696	IC1043	X	X	X	X
697	IC1045	X	X	X	X
698	IC1047	X	X	X	X
699	IC1049	X	X	X	X
700	IC1051	X	X	X	X
701	IC1053	X	X	X	X
702	IC1055	X	X	X	X
703	IC1057	X	X	X	X
704	IC1059	X	X	X	X
705	IC1061	X	X	X	X
706	IC1063	X	X	X	X
707	IC1065	X	X	X	X
708	IC1067	X	X	X	X
709	IC1069	X	X	X	X
710	IC1071	X	X	X	X
711	IC1073	X	X	X	X
712	IC1075	X	X	X	X
713	IC1077	X	X	X	X
714	IC1079	X	X	X	X
715	IC1081	X	X	X	X
716	IC1083	X	X	X	X
717	IC1085	X	X	X	X
718	IC1087	X	X	X	X
719	IC1089	X	X	X	X
720	IC1091	X	X	X	X
721	IC1093	X	X	X	X
722	IC1095	X	X	X	X
723	IC1097	X	X	X	X
724	IC1099	X	X	X	X
725	IC1101	X	X		

■ SCHEMATIC DIAGRAM (OPERATION) RX-V550

FL DISPLAY

FL DRIVER



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

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

REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	II
$\otimes$	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	
$\bullet$	CERAMIC TUBULAR CAPACITOR	
$\odot$	POLYESTER FILM CAPACITOR	
$\circ$	POLYSTYRENE FILM CAPACITOR	
$\oplus$	MICA CAPACITOR	
$\oplus$	POLYPROPYLENE FILM CAPACITOR	
$\oplus$	SEMICONDUCTIVE CERAMIC CAPACITOR	
$\oplus$	POLYPHENYLENE SULFIDE FILM CAPACITOR	

REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
$\square$	CARBON FILM RESISTOR (P=10)
$\triangle$	METAL OXIDE FILM RESISTOR
$\triangle$	METAL FILM RESISTOR
$\boxtimes$	METAL PLATE RESISTOR
$\boxtimes$	FIRE PROOF CARBON FILM RESISTOR
$\square$	CEMENT MOLDED RESISTOR
$\oplus$	SEMI VARIABLE RESISTOR
$\blacksquare$	CHIP RESISTOR

		R-T-K-L	U-C-A	B-G-E	
s1	SW816 - 819	X	X	VV02030	RDS
s2	RB32	X	X	2.2K RD35622	
s3	RB36	X	X	3.3K RD35633	
s4	RB39	X	X	4.7K RD35647	
s5	RB40	X	X	6.8K RD35668	REMOTE
s6	RB16	X		10K RD35710	
s7	DB02	X		SIR-505ST V259820	

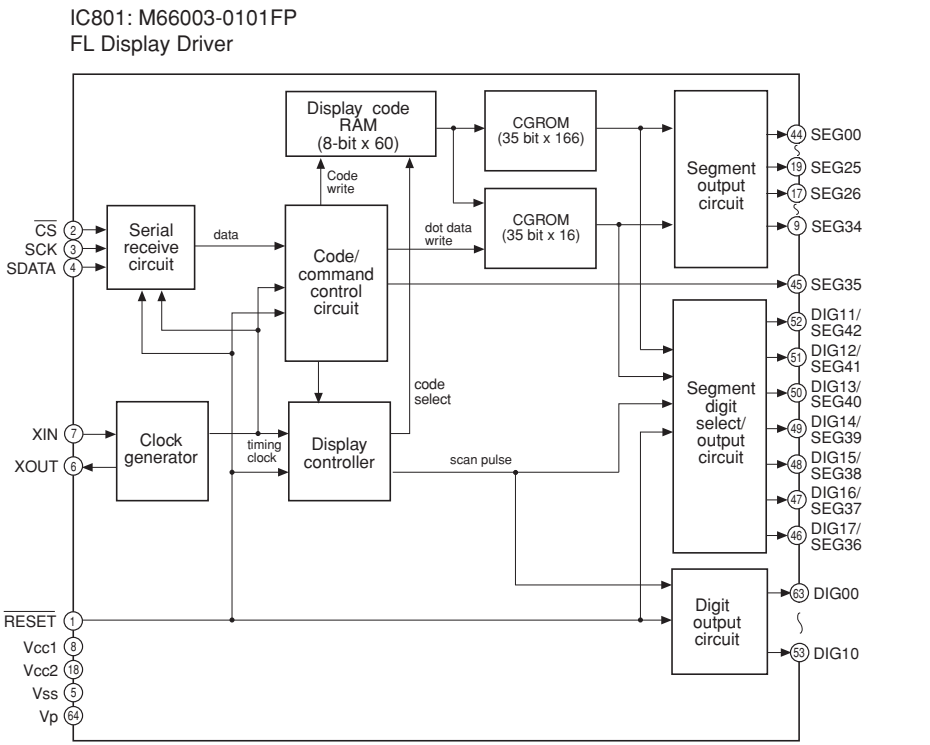
x: NOT USED
o: USED / APPLICABLE

Interchangeable Parts at Manufacture-Stage

Mark	Reference Parts Number	Parts Name
&1	0801-806	2SC2412K10/R/S1 2SD601A10/R/S1
&2	0872-873-881-884	1SS355 MA111
&3		
&4		
&5		
&6		
&7		

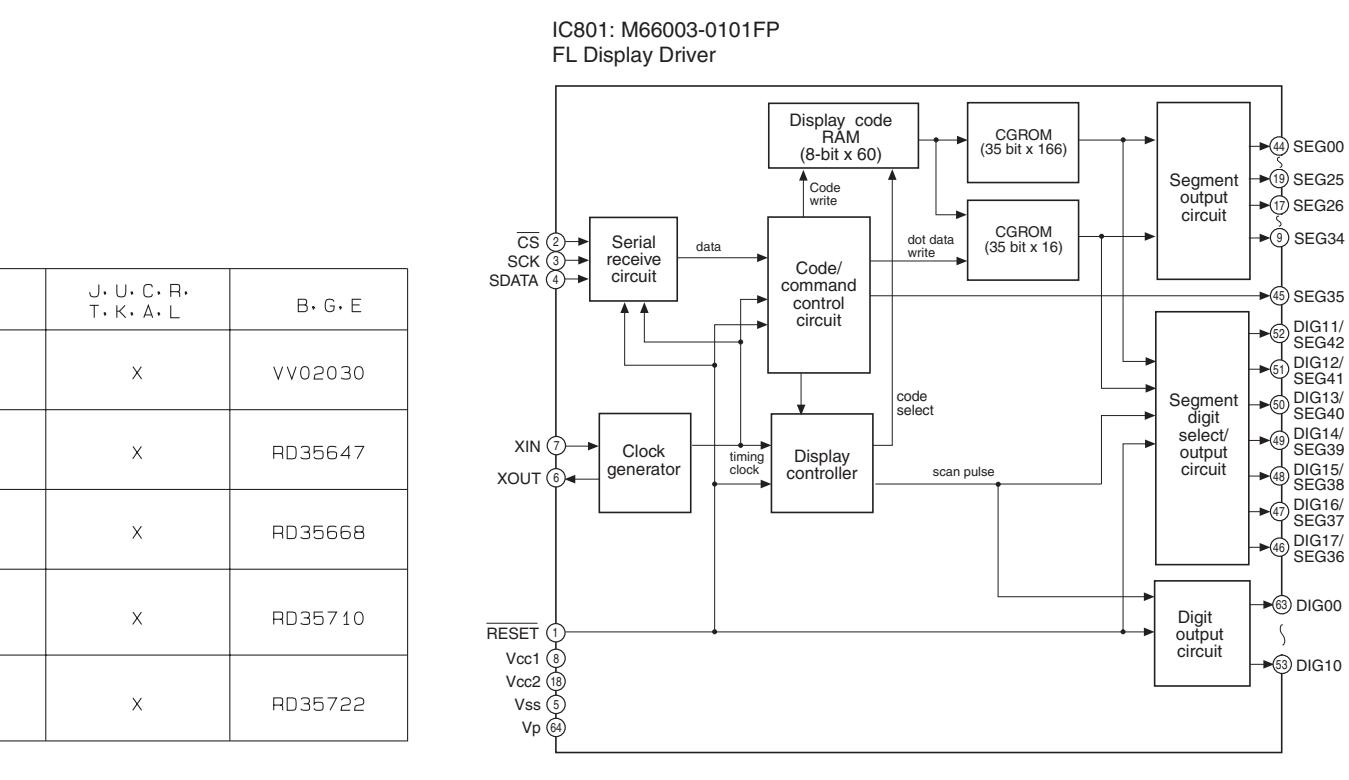
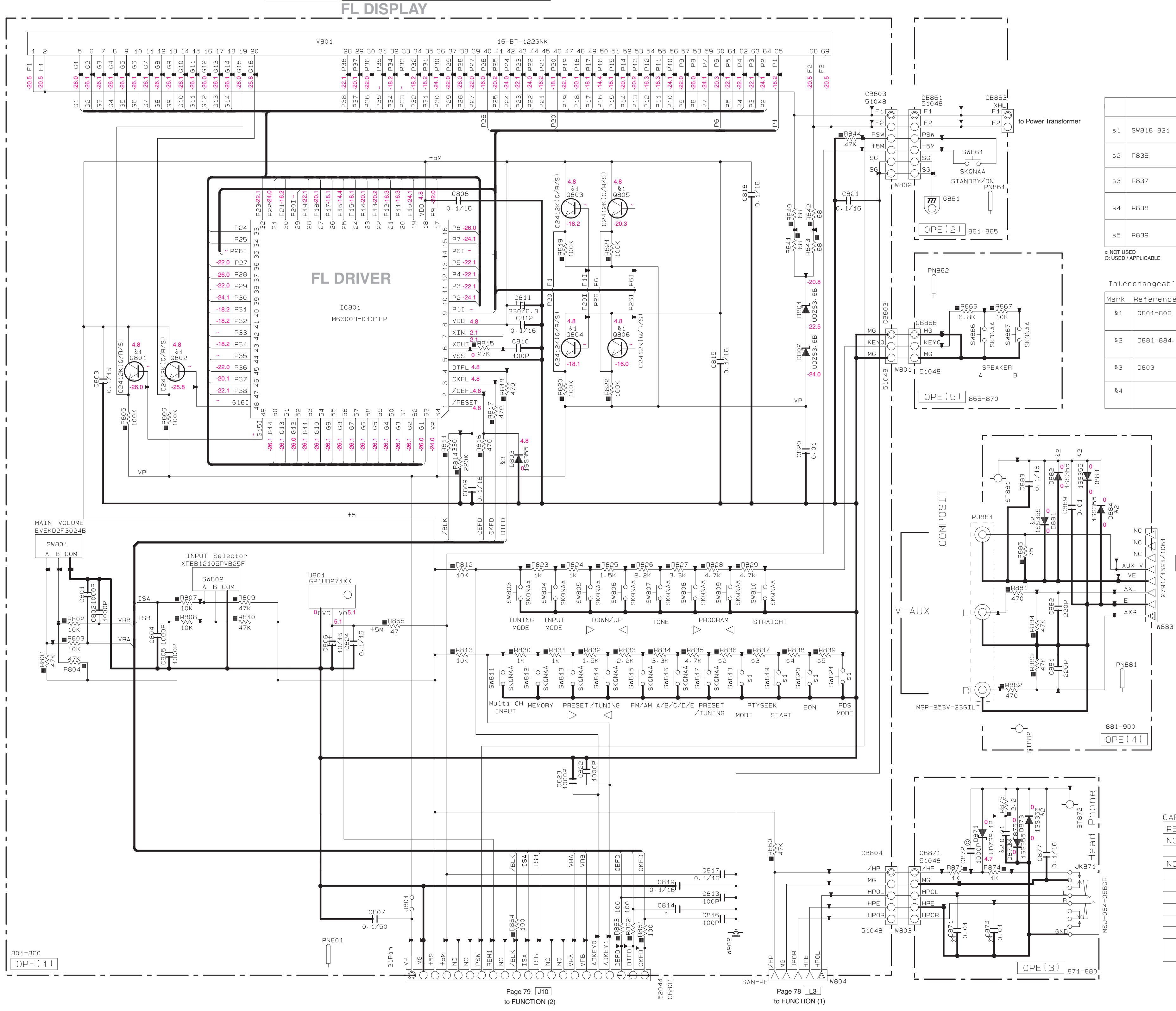
NOTICE (model)

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



■ SCHEMATIC DIAGRAM (OPERATION) HTR-5750 RX-V450/HTR-5740/DSP-AX450

RX-V550/HTR-5750/RX-V450/HTR-5740/DSP-AX450



s1	SWB18-B21	X	VV02030
s2	RB36	X	RD35647
s3	RB37	X	RD35668
s4	RB38	X	RD35710
s5	RB39	X	RD35722

Mark	Reference Parts Number	Parts Name
&1	Q801-Q806	2SC2412K(I)Q/R/S/I 2SD601A(I)X(I)Q/R/S
&2	D881-D884-872-873	1SS355 MA111
&3	D803	1SS355 MA111
&4		

NOTICE (mode1)
(J)..... JAPAN
(U)..... U. S. A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE

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

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
●	CERAMIC TUBULAR CAPACITOR
⊙	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
①	MICA CAPACITOR
②	POLYPROPYLENE FILM CAPACITOR
③	SEMICONDUCTIVE CERAMIC CAPACITOR
④	POLYPHENYLENE SULFIDE FILM CAPACITOR

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

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■ SCHEMATIC DIAGRAM (MAIN)

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to POWER (1)

Page 83 [E10]
to POWER (1)

Page 83 [E10]
to POWER (1)

RX-V550: Page 77 [H7]
HTR-5750, RX-V450, HTR-5740,
DSP-AX450: Page 79 [H6]
to FUNCTION (2)

Page 83 [K3]
to POWER (1)

Page 84 [A4]
to SUBTRANS

RX-V550: Page 77 [H6]
HTR-5750, RX-V450, HTR-5740,
DSP-AX450: Page 79 [H7]
to FUNCTION (2)

RESISTOR	REMARKS	PARTS NAME
NO MARK	NO MARK	CARBON FILM RESISTOR (P-5)
□	□	CARBON FILM RESISTOR (P-10)
△	△	METAL OXIDE FILM RESISTOR
◇	◇	METAL FILM RESISTOR
■	■	FILM PROOF CARBON FILM RESISTOR
□	□	CEMENT MOUNTED RESISTOR
□	□	SEMI VARIABLE RESISTOR
□	□	WIMP RESISTOR

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

NOTICE (mode1)
(J)..... JAPAN
(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(S)..... SINGAPORE
(E)..... SOUTH EUROPE

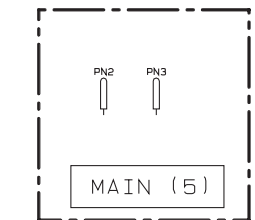
Interchangeable Parts at Manufacture-Stage		
Mark	Reference Parts Number	Parts Name
41	RY121, 122, 124, 125	D52402-05(M) 05PA-28
42	D133	T56P03G-C1 D55B20
43	D1-14, 251	H59104 155133 155176
44	D1	25B1274(R/S) 25B1566(E/F)

RX-V550/HTR-5750	LC	RTA	BL/LKE
41	C136 131-134-137	X	0.01
42	TE120 121	WC6190	WC6190
44	C136-141	X	4700P UM6347
46	SW1	S5029-P220NMB V306430	S5029-P220NMB V306430
47	C152 123	800071 WC61080	800071 WC61080

RX-V450/HTR-5740/DSP-AX450	J	LC	RTA	BL/LKE
41	C136 131-134-137	X	X	0.01
42	TE120 121	WC6190	WC6190	WC6190
44	C136-141	X	X	4700P UM6347
46	SW1	X	S5029-P220NMB V306430	S5029-P220NMB V306430
47	C152 123	800071 WC61080	800071 WC61080	800071 WC61080

X: NOT USED
O: USED / APPLICABLE

to Power Transformer

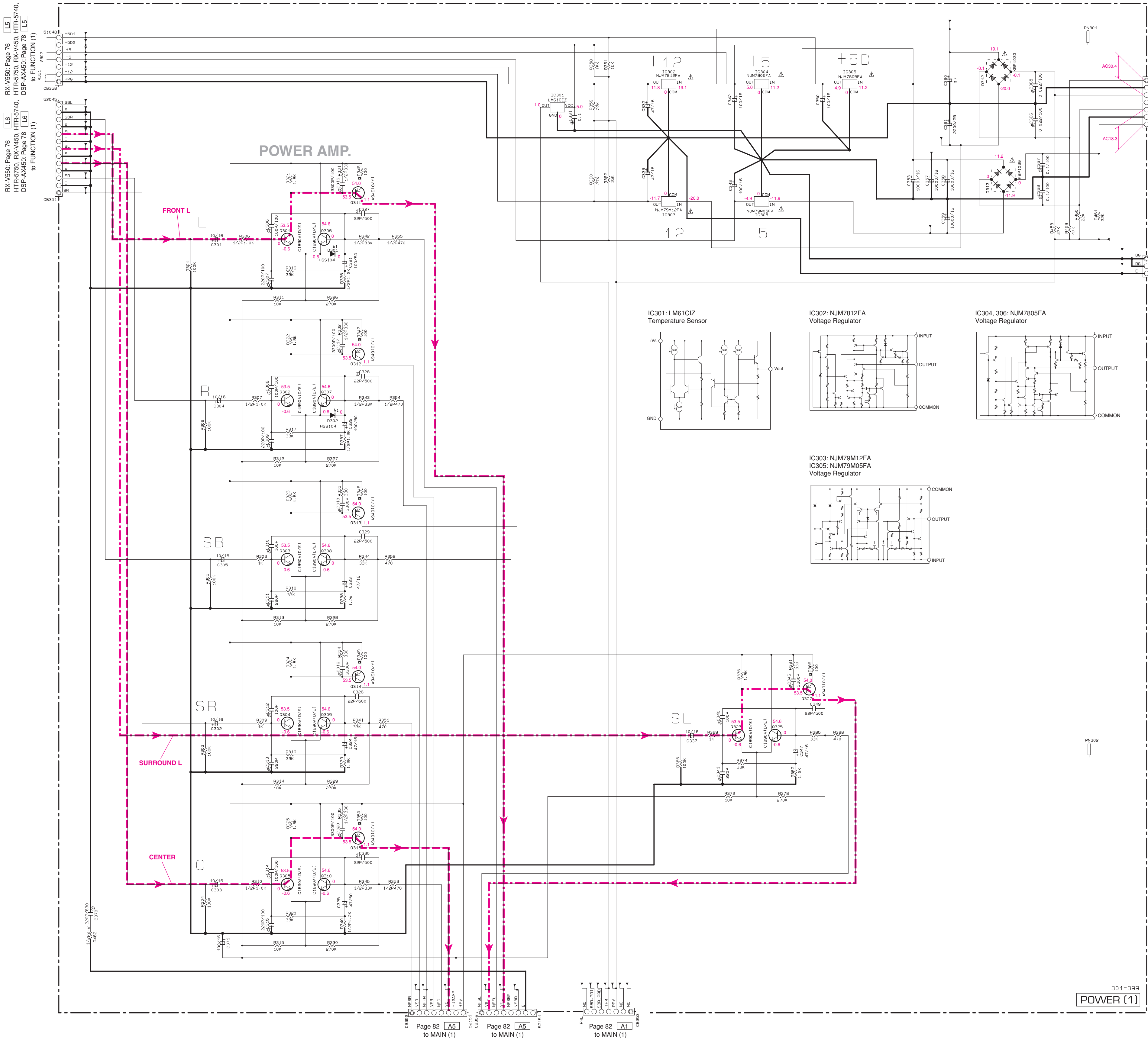


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★ Schematic diagram is subject to change without notice.

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■ SCHEMATIC DIAGRAM (POWER)

RX-V550/HTR-5750/RX-V450/HTR-5740/DSP-AX450

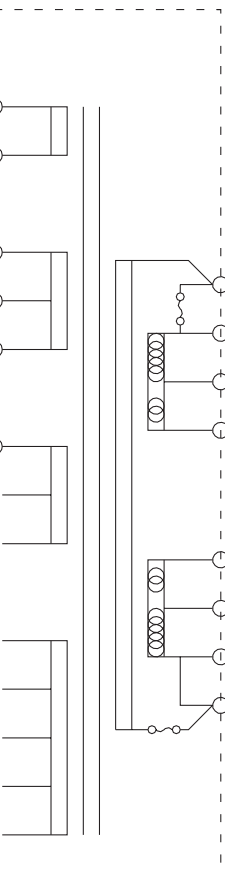


REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
□	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
⊠	METAL FILM RESISTOR
⊞	METAL PLATE RESISTOR
⊞	FIRE PROOF CARBON FILM RESISTOR
⊞	CEMENT MOLDED RESISTOR
⊞	SEMI-VARIABLE RESISTOR
⊞	CHIP RESISTOR

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

Mark	Reference Parts Number	Parts Name
41	0301-302	HSS104 155133 155176

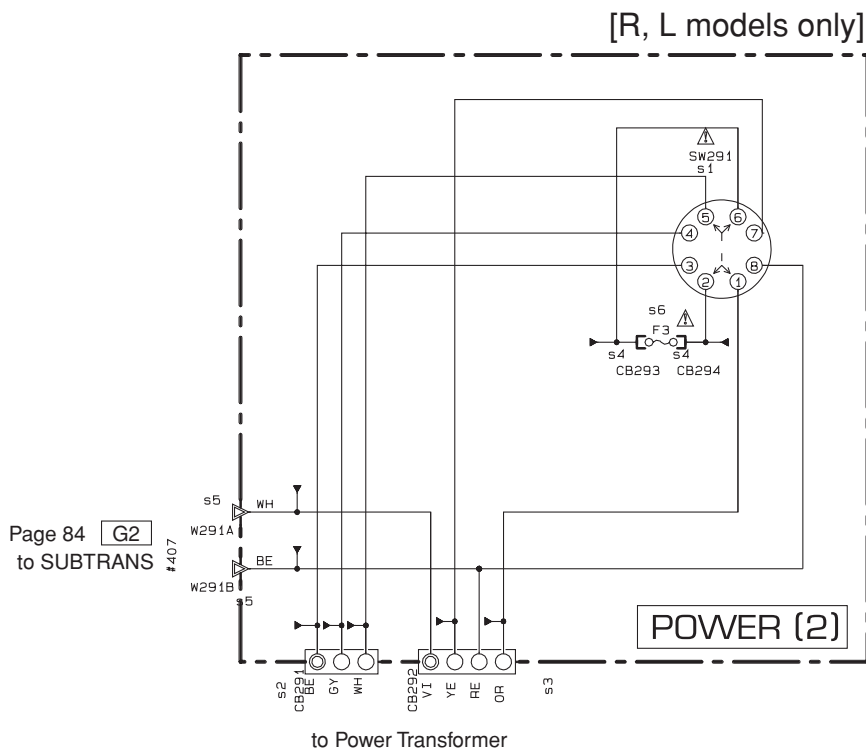
NOTICE (model)
(J)..... JAPAN
(U)..... U.S.A
(C)..... CANADA
(R)..... GENERAL
(T)..... CHINA
(K)..... KOREA
(A)..... AUSTRALIA
(B)..... BRITISH
(G)..... EUROPE
(L)..... SINGAPORE
(E)..... SOUTH EUROPE



RX-550HTR-5750	U.C.T.K (WC8949)	R (WC8950)	L (WD07290)	A,B,G,E (WC8990)
s1	SW291	X	WB49370	WD07370
s2	CR291	X	V937780	V937780
s3	CR292	X	V937790	V937790
s4	CR293, 294	X	WC296070	X
s5	W291	X	V941190	V941190
s6	F3	X	T4AL250V K800079	T4AL250V K800079
s7	C360	6800/25	6800/25	6800/25

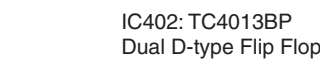
RX-V450HTR-5740/DSP-AX450	U.C.T.K (WC89370)	R (WC8980)	L (WD07290)	A,B,G,E (WC8990)
s1	SW291	X	WB49370	WD07370
s2	CR291	X	V937780	V937780
s3	CR292	X	V937790	V937790
s4	CR293, 294	X	VP20650	VP20650
s5	W291	X	V941190	V941190
s6	F3	X	T4AL250V K800079	T4AL250V K800079
s7	C360	4700/25	4700/25	4700/25

X: NOT USED
O: USED, APPLICABLE



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

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



x: NOT USED
O: USED / APPLICABLE

Mark	Reference Parts Number	Parts Name
Q1	D401, 402, 406, 409, 411	HSS104 1SS133 1SS176
Q2	Q404	2SK3850 2SK3491
Q3		
Q4		

NOTICE (model)

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

CAPACITOR		
REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	H
⊗	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	H
⦿	CERAMIC TUBULAR CAPACITOR	
⊙	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
⊕	MICA CAPACITOR	
Ⓟ	POLYPROPYLENE FILM CAPACITOR	
⦿	SEMICONDUCTIVE CERAMIC CAPACITOR	
Ⓢ	POLYPHENYLENE SULFIDE FILM CAPACITOR	

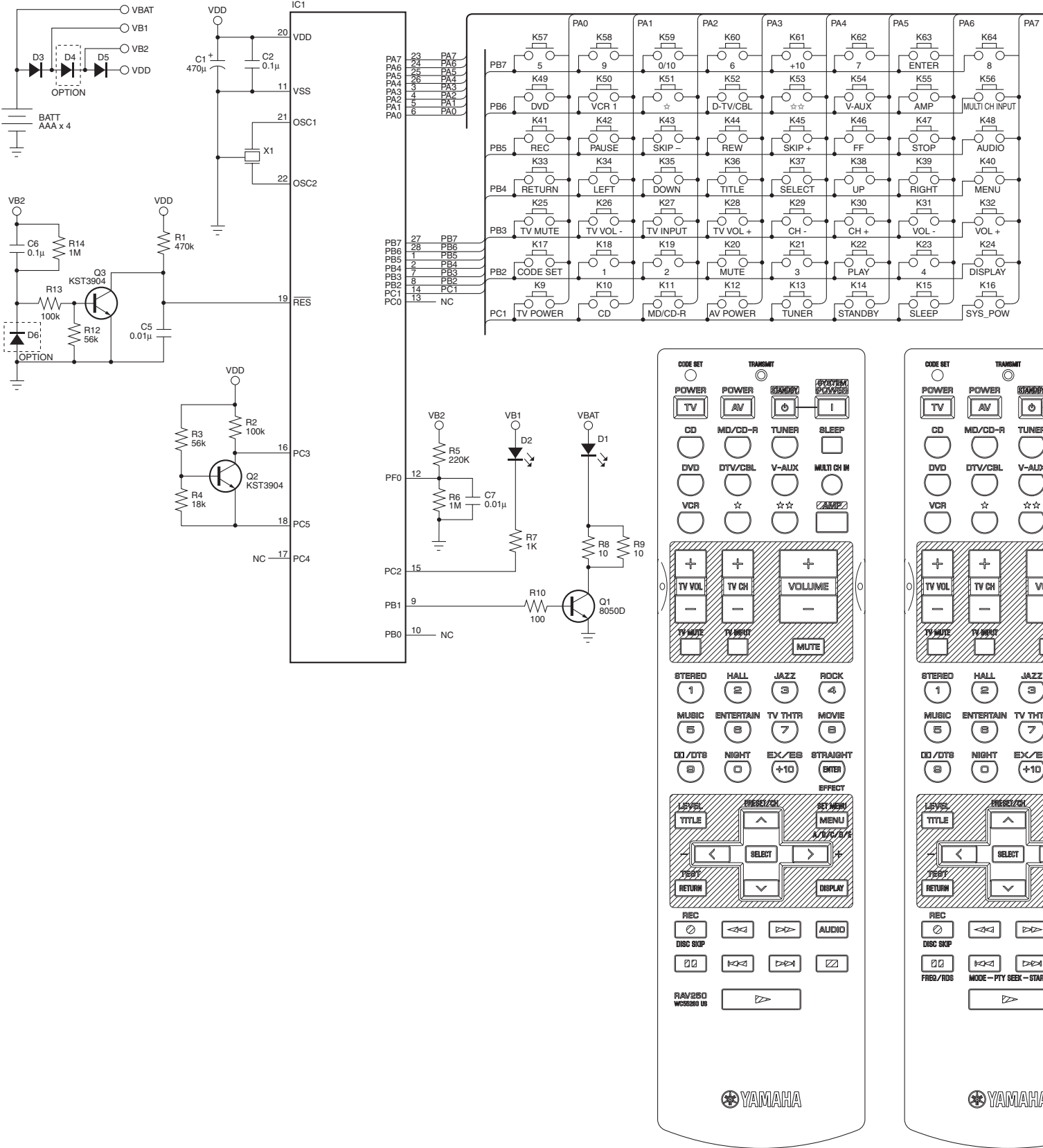
- ★ All voltages are measured with a 10M Ω /V DC electronic volt meter.
- ★ Components having special characteristics are marked  and must be replaced with parts having specifications equal to those originally installed.
- ★ Schematic diagram is subject to change without notice.

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

RX-V550/HTR-5750
RX-V450/HTR-5740/DSP-AX450

■ REMOTE CONTROL RAV250: RX-V550 (U, C, A, L, R, T, K models), HTR-5750, RX-V450/HTR-5740 (U, C, A, L, R, T, K models), DSP-AX450
RAV251: RX-V550 (B, G, E models)

● SCHEMATIC DIAGRAM



Key No.	Schematic Key No.	Function	YPC	ZONE2			DVD			LD	CD	CD-R	MD	TAPE	TUNER	AMP
				MAIN	ZONE2	SYSTEM	Yamaha1	Yamaha3	Yamaha4	Yamaha	Yamaha1	Yamaha2	Yamaha	Yamaha1	Yamaha2	Yamaha1
1	K17	CODE SET	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	K9	TV POWER	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	K12	AV POWER	—	—	—	—	7C-80	004.012	048.012	—	—	—	—	79-B5	—	—
4	K14	STANDBY	7A-1E	7E-7F	7E-BB	7A-1E	—	—	—	—	—	—	—	—	—	—
5	K16	SYSTEM POWER	7A-1D	7E-7E	7E-BA	7A-1D	—	—	—	—	—	—	—	—	—	—
6	K10	CD	7A-15	7A-15	7A-D1	—	—	—	—	—	—	—	—	—	—	—
7	K11	MD/CD-R	7A-C9	7A-C9	7A-CF	—	—	—	—	—	—	—	—	—	—	—
8	K13	TUNER	7A-16	7A-16	7A-D2	—	—	—	—	—	—	—	—	—	—	—
9	K15	SLEEP	7A-57	7A-57	—	—	—	—	—	—	—	—	—	—	—	—
10	K49	DVD	7A-C1	7A-C1	7A-CD	—	—	—	—	—	—	—	—	—	—	—
11	K52	D-TV/CBL	7A-54	7A-54	7A-D9	—	—	—	—	—	—	—	—	—	—	—
12	K54	V-AUX	7A-55	7A-55	7A-D8	—	—	—	—	—	—	—	—	—	—	—
13	K56	MULTI CH INPUT	7A-87	7A-87	—	—	—	—	—	—	—	—	—	—	—	—
14	K50	VCR	7A-0F	7A-0F	7A-D6	—	—	—	—	—	—	—	—	—	—	—
15	K51	★	7A-13	7A-13	7A-D7	—	—	—	—	—	—	—	—	—	—	—
16	K53	★★	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17	K55	AMP	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	K28	TV VOL +	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19	K30	TV CH +	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	K32	VOLUME +	7A-1A	7A-1A	—	—	7A-1A									
21	K26	TV VOL -	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22	K29	TV CH -	—	—	—	—	—	—	—	—	—	—	—	—	—	—
23	K31	VOLUME -	7A-1B	7A-1B	—	—	7A-1B									
24	K25	TV MUTE	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	K27	TV INPUT	—	—	—	—	—	—	—	—	—	—	—	—	—	—
26	K20	MUTE	7A-1C	7A-1C	7A-DC	—	7A-1C									
27	K18	1	—	—	—	—	7C-94	004.001	048.001	7C-17	79-11	79-11	7F-91	79-85	79-B7	—
28	K19	2	—	—	—	—	7C-95	004.002	048.002	7C-18	79-12	79-12	7F-92	79-86	79-B8	—
29	K21	3	—	—	—	—	7C-96	004.003	048.003	7C-19	79-13	79-13	7F-93	79-87	79-B9	—
30	K23	4	—	—	—	—	7C-97	004.004	048.004	7C-1A	79-14	79-14	7F-94	79-88	79-BA	—
31	K57	5	—	—	—	—	7C-98	004.005	048.005	7C-1B	79-15	79-15	7F-95	79-89	79-BB	—
32	K60	6	—	—	—	—	7C-99	004.006	048.006	7C-1C	79-16	79-16	7F-96	79-8A	79-BC	—
33	K62	7	—	—	—	—	7C-9A	004.007	048.007	7C-1D	79-17	79-17	7F-97	79-8B	79-BD	—
34	K64	8	—	—	—	—	7C-9B	004.008	048.008	7C-1E	79-18	79-18	7F-98	79-8C	79-BE	—
35	K58	9	—	—	—	—	7C-9C	004.009	048.009	7C-1F	79-19	79-19	7F-99	79-8D	79-BF	—
36	K59	0	—	—	—	—	7C-93	004.000	048.000	7C-16	79-10	79-10	7F-90	79-8E	79-C0	—
37	K61	+10	—	—	—	—	7C-9D	004.120	—	7C-5D	79-1A	79-1A	7F-9A	79-8F	79-8F	—
38	K63	ENTER	—	—	—	—	7C-9E	—	—	7C-15	79-0B	79-0B	7F-8A	—	—	—
39	K36	TITLE	—	—	—	—	7C-B1	004.113	048.200	—	—	—	—	—	—	—
40	K38	^	—	—	—	—	7C-B4	004.088	048.088	—	—	—	—	—	—	—
41	K40	MENU	—	—	—	—	7C-B2	004.084	048.084	—	—	—	—	—	—	—
42	K34	<	—	—	—	—	7C-B5	004.090	048.090	—	—	—	—	—	—	—
43	K37	SELECT	—	—	—	—	7C-B8	004.092	048.092	—	—	—	—	—	—	—
44	K39	>	—	—	—	—	7C-B6	004.091	048.091	—	—	—	—	—	—	—
45	K33	RETURN	—	—	—	—	7C-B7	004.131	048.131	—	—	—	—	—	—	—
46	K35	v	—	—	—	—	7C-B3	004.089	048.089	—	—	—	—	—	—	—
47	K24	DISPLAY	—	—	—	—	7C-A6	004.015	048.015	7C-13	79-0A	79-0A	7F-9E	79-A5	79-A5	—
48	K41	REC	—	—	—	—	7C-8B	004.127	048.055	—	7A-4F	79-4F	—	79-AF	79-B1	7A-04
49	K44	REW	—	—	—	—	7C-86	004.041	048.041	7C-06	7A-0D	79-05	7F-88	79-AC	79-AC	7A-01
50	K46	FF	—	—	—	—	7C-87	004.040	048.040	7C-07	7A-0C	79-06	7F-89	79-AD	79-AD	7A-02
51	K48	AUDIO	—	—	—	—	7C-AD	004.078	048.078	7C-12	—	—	—	—	7A-06	7F-06
52	K42	PAUSE	—	—	—	—	7C-83	004.048	048.048	7C-5A	7A-09	79-55	7F-83	79-A9	79-A9	—
53	K43	SKIP -	—	—	—	—	7C-B9	004.033	048.033	7C-02	7A-0B	79-04	7F-86	79-AB	79-AB	7A-07
54	K45	SKIP +	—	—	—	—	7C-BA	004.032	048.032	7C-03	7A-0A	79-07	7F-87	79-AE	79-AE	7A-08
55	K47	STOP	—	—	—	—	7C-85	004.049	048.049	7C-5B	7A-09	79-56	7F-84	79-AA	79-AA	7A-03
56	K22	PLAY	—	—	—	—	7C-82	004.044	048.044	7C-05	7A-08	79-02	7F-82	79-A8	79-A8	7A-00

RX-V550/HTR-5750 AX-V450/HTR-5740/DSP-AX450

