■ PIN CONNECTION DIAGRAMS

• ICs

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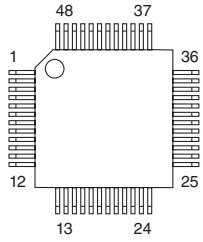

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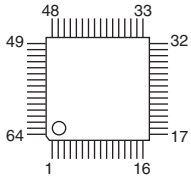

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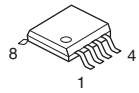

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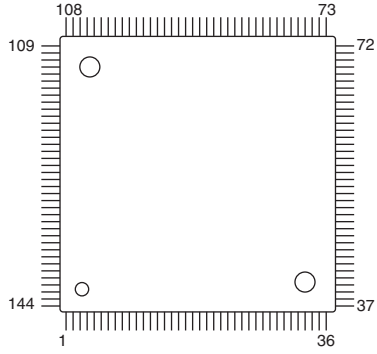

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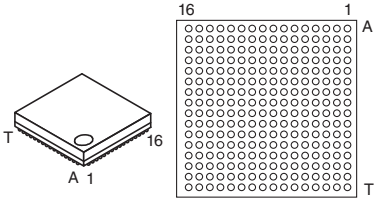

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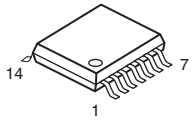

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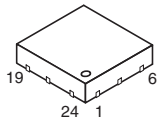

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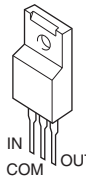

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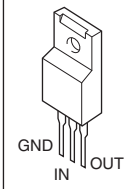

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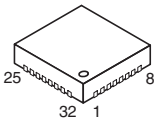

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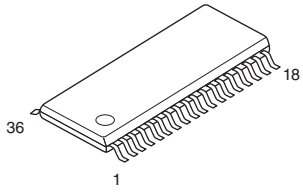

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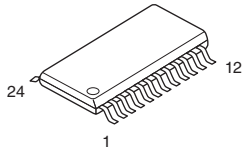

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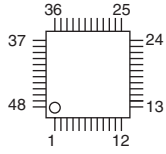

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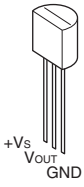

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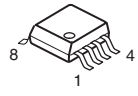

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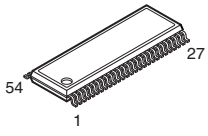

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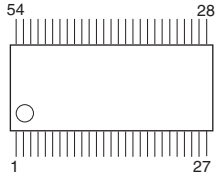

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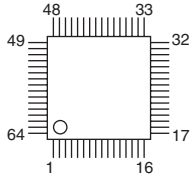

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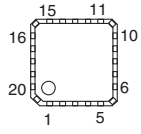

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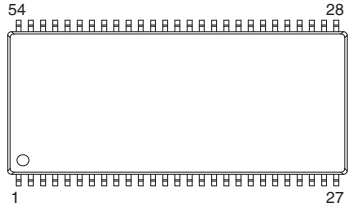

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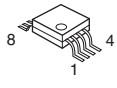

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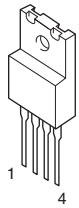

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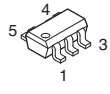

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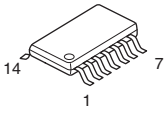

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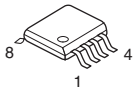

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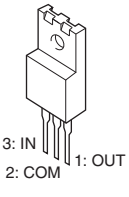

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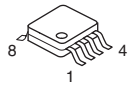

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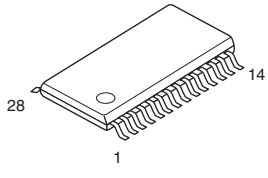

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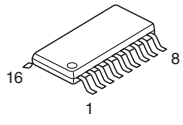

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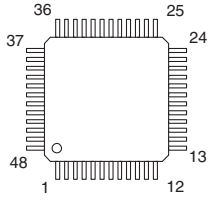

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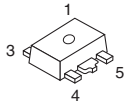

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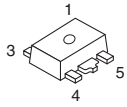

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2: GND
3: NC
4: V_{DD}
5: V_{OUT}

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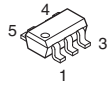

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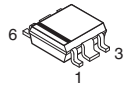

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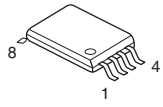

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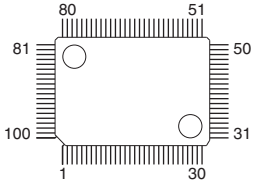

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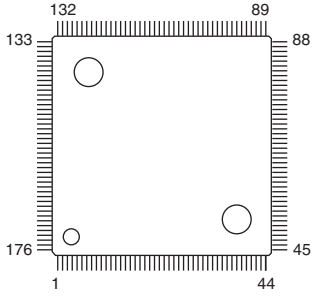

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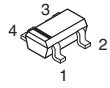

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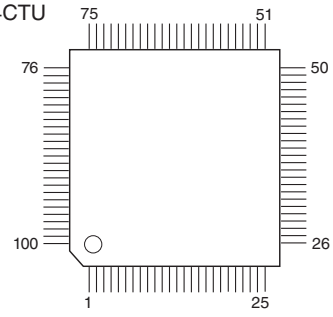

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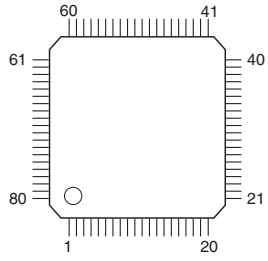

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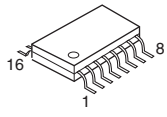

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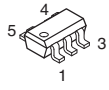

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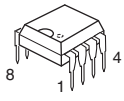

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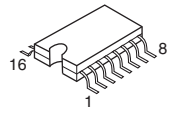

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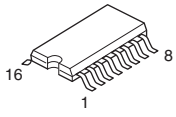

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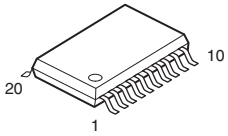

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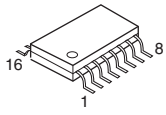

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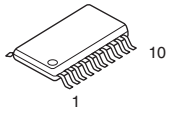

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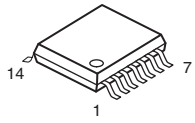

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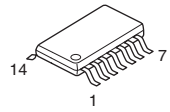

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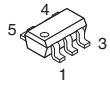

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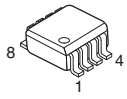

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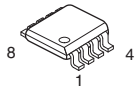

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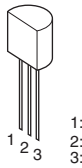
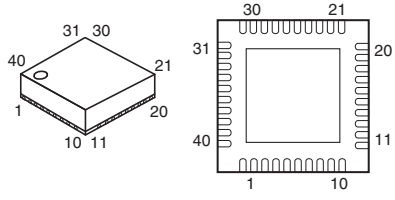
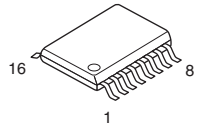


1: CATHODE
2: ANODE
3: REF

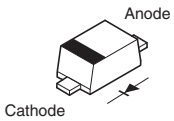
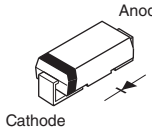
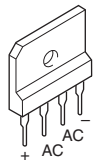
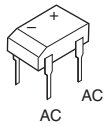
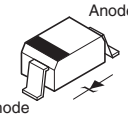
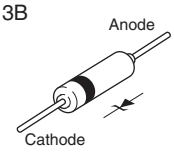
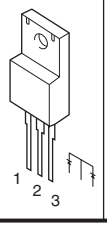
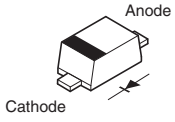
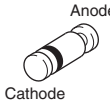
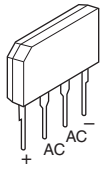
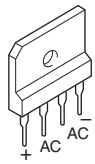
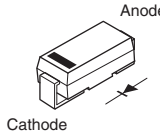
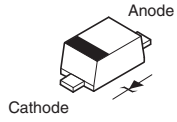
TMDS141RHAR



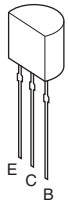
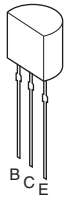
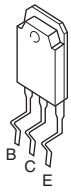
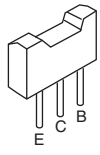
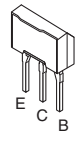
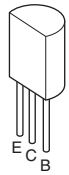
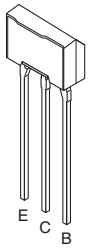
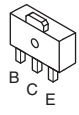
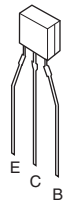
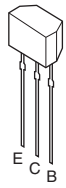
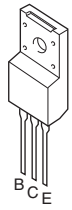
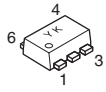
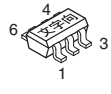
W25Q128BVFIG



• Diodes

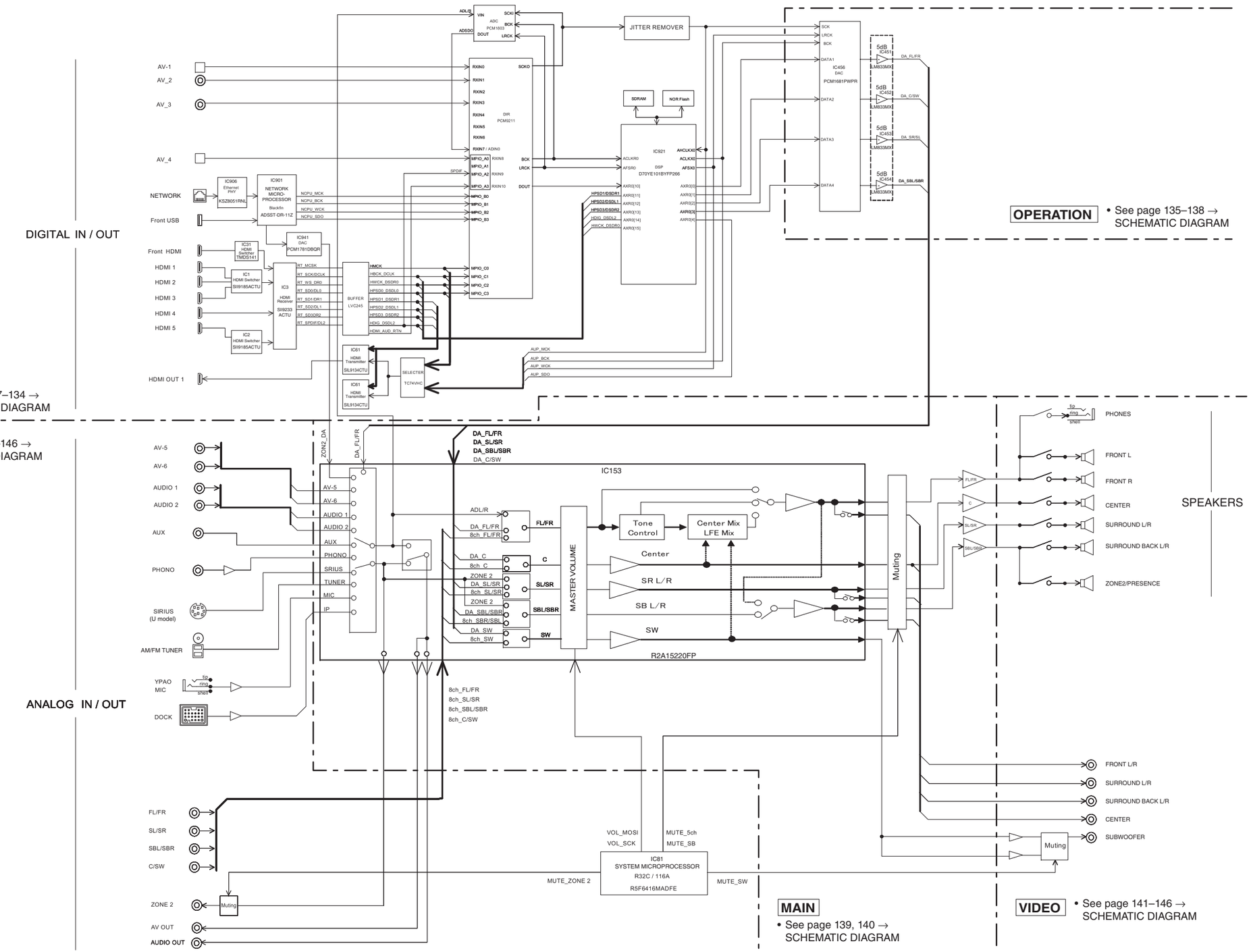
1SS355 1SS355VMTE-17 	D1FL20U-5063 	D6SBN20 	DBL155G 	HZU4.3B3 TRF-E 	MTZJ2.4B MTZJ5.1C MTZJ6.8C MTZJ13B 
RB215T-90 	RB501V-40 RB521S-30 	RLZ7.5B 7.5V 	RS203M-B-C-J80 	RS603M-B-C-J80 	SARS05 	UDZS12B 12V UDZS36B 36V UDZS5.1B 5.1V 

• Transistors

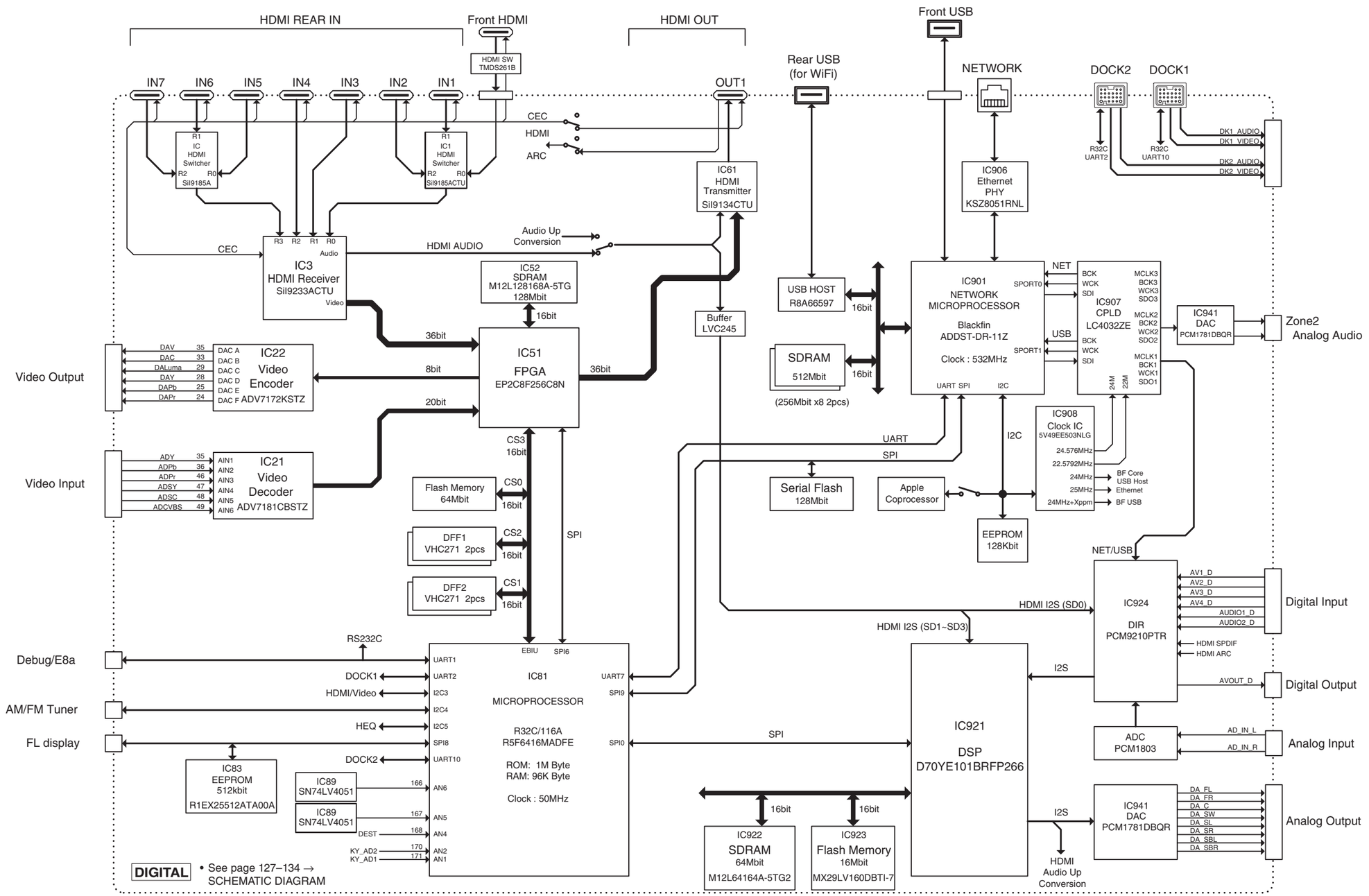
2SA1015-Y 2N5401C-AT/P 	2N5551C-AT 	2SA1312-GR,BL 	2SA1576A 	2SA1695 O,P,Y 2SC4468 O,P,Y 	2SA1708 	2SA1770S/T-AN 	2SA949 2SC1815 Y 2SC2229 
2SC3324-GR,BL 2SC3906K 2SC4081 T106 	2SC4614S/T-AN 	2SC5964-TD-E 	2SD2704 K 	2SD2705S TP 	DTA043EUBTL DTA044EUBTL DTC044EUBTL 1: IN 2: GND 3: OUT	DTA114EKA DTC114EKA DTC144EKA 1: GND 2: IN 3: OUT
HN4B01JE 1. BASE1 2. EMITTER 3. BASE2 4. COLLECTOR2 5. COLLECTOR1	KRA102M-AT/P KRC102M-AT 	KTA1046-Y-U/P KTA1837-U/P 	KTA1504S KTC3875S 	MCH6336-TL-E  1. Drain 2. Drain 3. Gate 4. Source 5. Drain 6. Drain	μPA672T-T1-A 1. Source 1 (S1) 2. Gate 1 (G1) 3. Drain 2 (D2) 4. Source 2 (S2) 5. Gate 2 (G2) 6. Drain 1 (D1) 

■ BLOCK DIAGRAMS

AUDIO Section Block Diagram



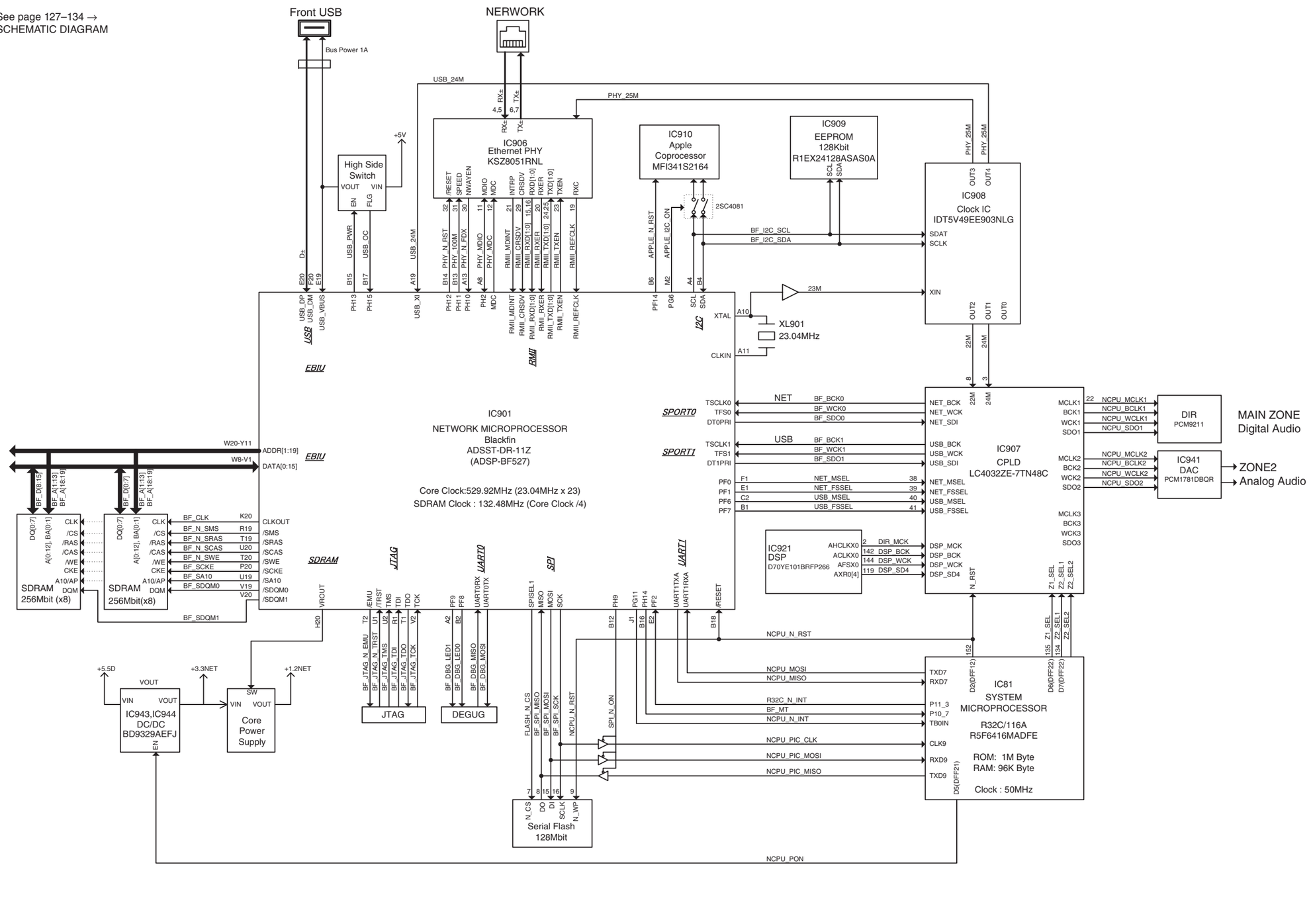
DIGITAL P.C.B. Section Block Diagram



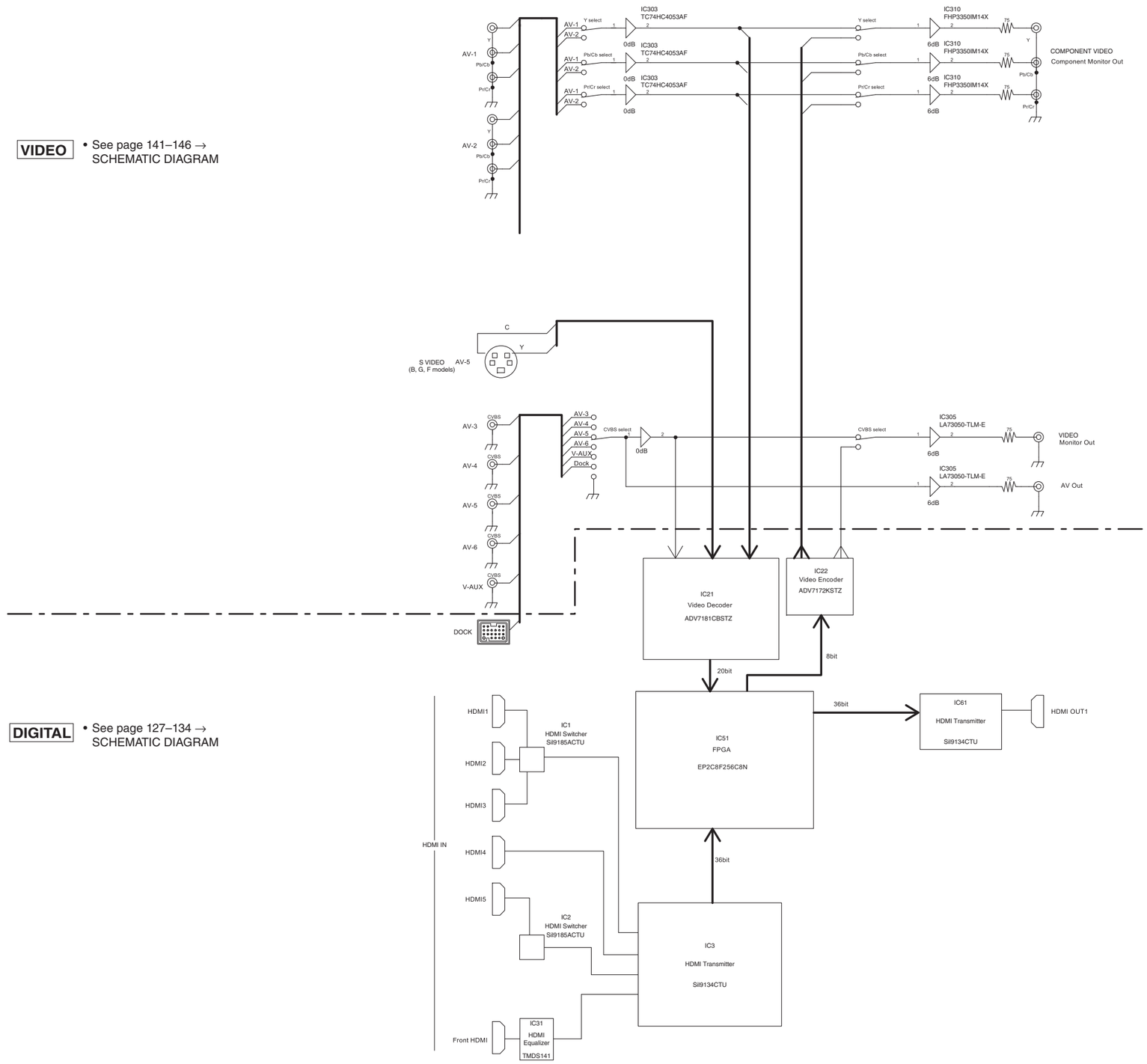
DIGITAL • See page 127–134 → SCHEMATIC DIAGRAM

NET/USB Section Block Diagram

DIGITAL • See page 127–134 → SCHEMATIC DIAGRAM



VIDEO Section Block Diagram



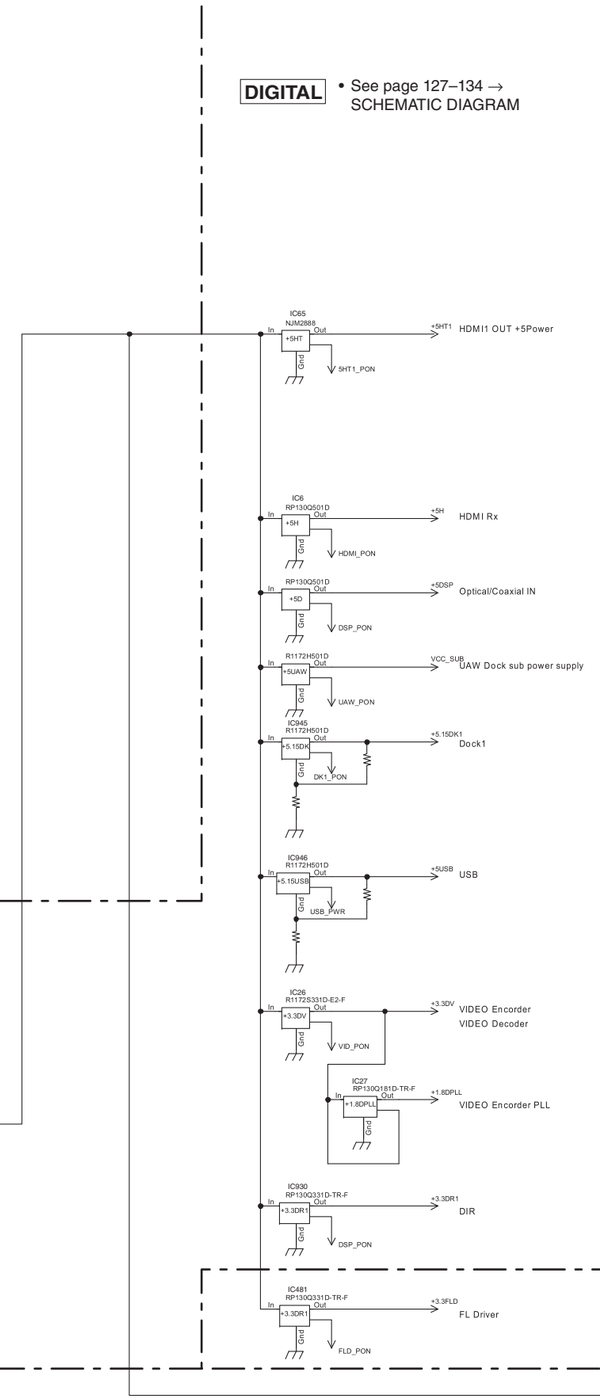
VIDEO • See page 141–146 → SCHEMATIC DIAGRAM

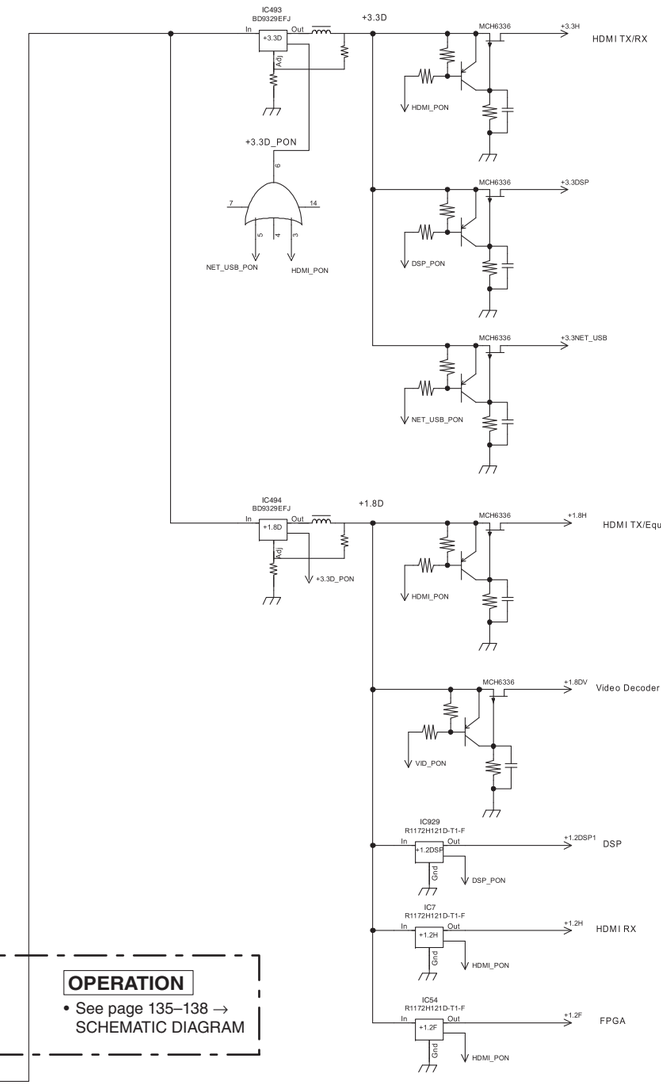
DIGITAL • See page 127–134 → SCHEMATIC DIAGRAM

Power Supply Section Block Diagram

VIDEO • See page 141–146 → SCHEMATIC DIAGRAM

DIGITAL • See page 127–134 → SCHEMATIC DIAGRAM



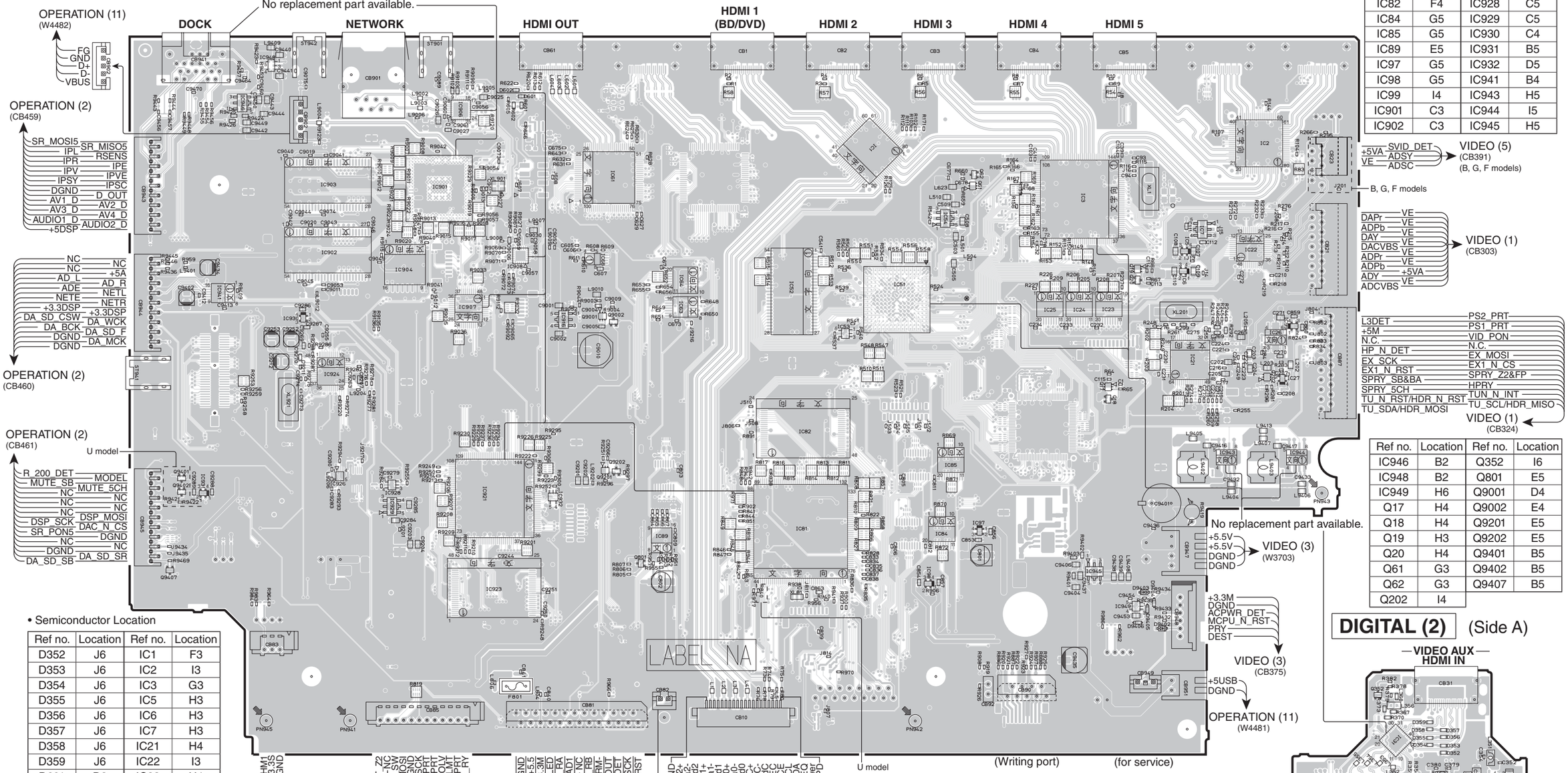


OPERATION
• See page 135–138 → SCHEMATIC DIAGRAM

■ PRINTED CIRCUIT BOARDS

RX-V671/HTR-6064 | **RX-A710**

DIGITAL (1) (Side A)



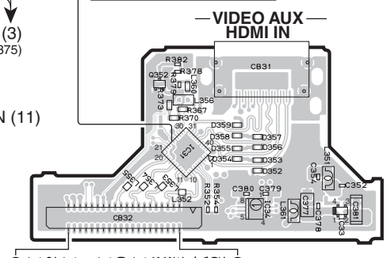
Ref no.	Location	Ref no.	Location
IC34	J7	IC903	C3
IC51	F4	IC904	C3
IC52	F4	IC906	D2
IC53	F4	IC907	D4
IC54	G3	IC908	D3
IC61	E3	IC916	D4
IC63	E4	IC921	D5
IC64	E4	IC923	D5
IC68	D3	IC924	C4
IC81	F5	IC926	C5
IC82	F4	IC928	C5
IC84	G5	IC929	C5
IC85	G5	IC930	C4
IC89	E5	IC931	B5
IC97	G5	IC932	D5
IC98	G5	IC941	B4
IC99	I4	IC943	H5
IC901	C3	IC944	I5
IC902	C3	IC945	H5

Ref no.	Location	Ref no.	Location
IC946	B2	Q352	I6
IC948	B2	Q801	E5
IC949	H6	Q9001	D4
Q17	H4	Q9002	E4
Q18	H4	Q9201	E5
Q19	H3	Q9202	E5
Q20	H4	Q9401	B5
Q61	G3	Q9402	B5
Q62	G3	Q9407	B5
Q202	I4		

• Semiconductor Location

Ref no.	Location	Ref no.	Location
D352	J6	IC1	F3
D353	J6	IC2	I3
D354	J6	IC3	G3
D355	J6	IC5	H3
D356	J6	IC6	H3
D357	J6	IC7	H3
D358	J6	IC21	H4
D359	J6	IC22	I3
D601	D2	IC23	H4
D602	D2	IC24	G4
D9402	H6	IC25	G4
D9403	H5	IC26	I4
D9404	H6	IC27	I4
D9405	H6	IC31	I6
D9406	H6	IC33	J7

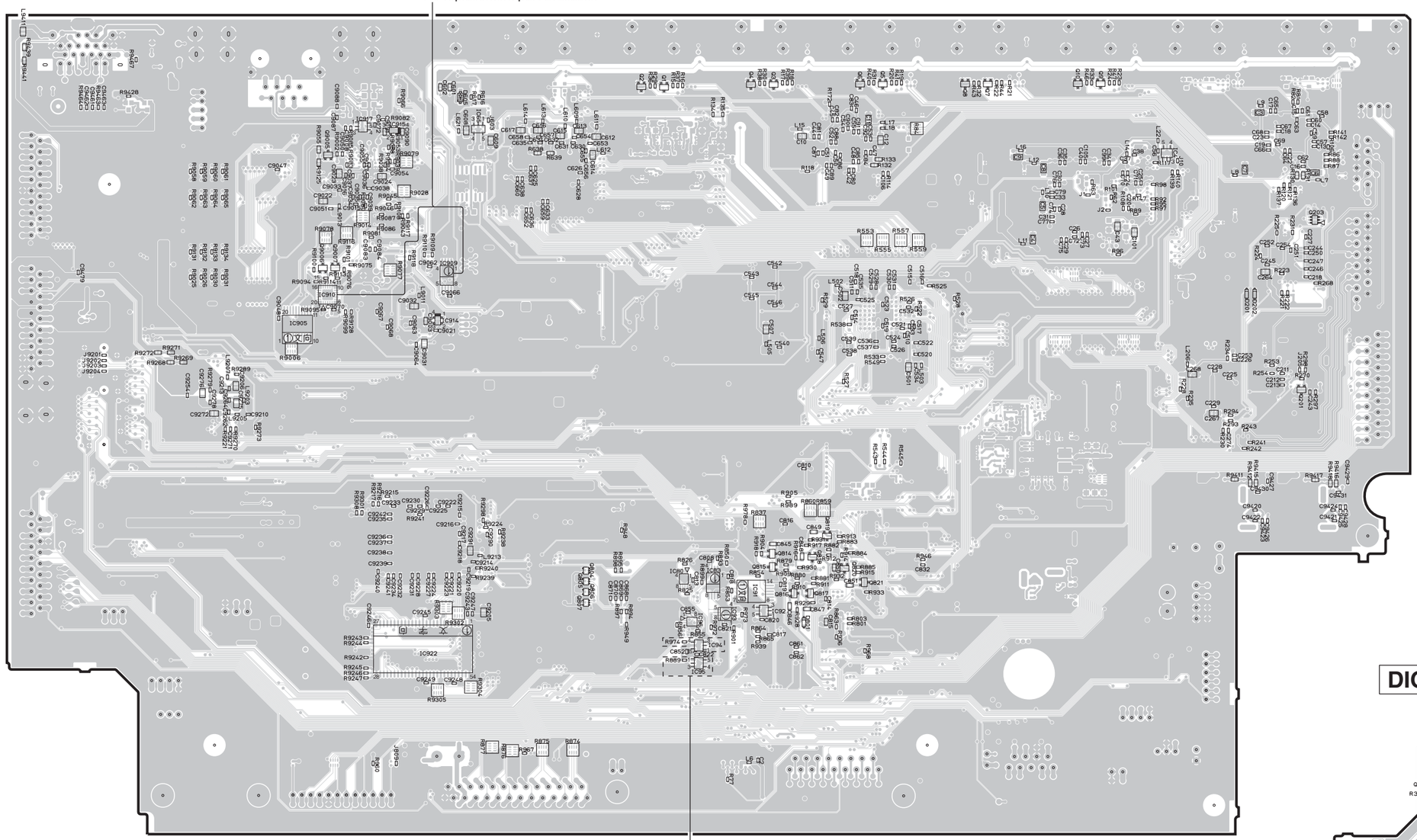
DIGITAL (2) (Side A)



RX-V671/HTR-6064 | **RX-A710**

DIGITAL (1) (Side B)

No replacement part available.

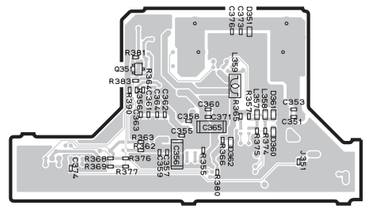


U model

• Semiconductor Location

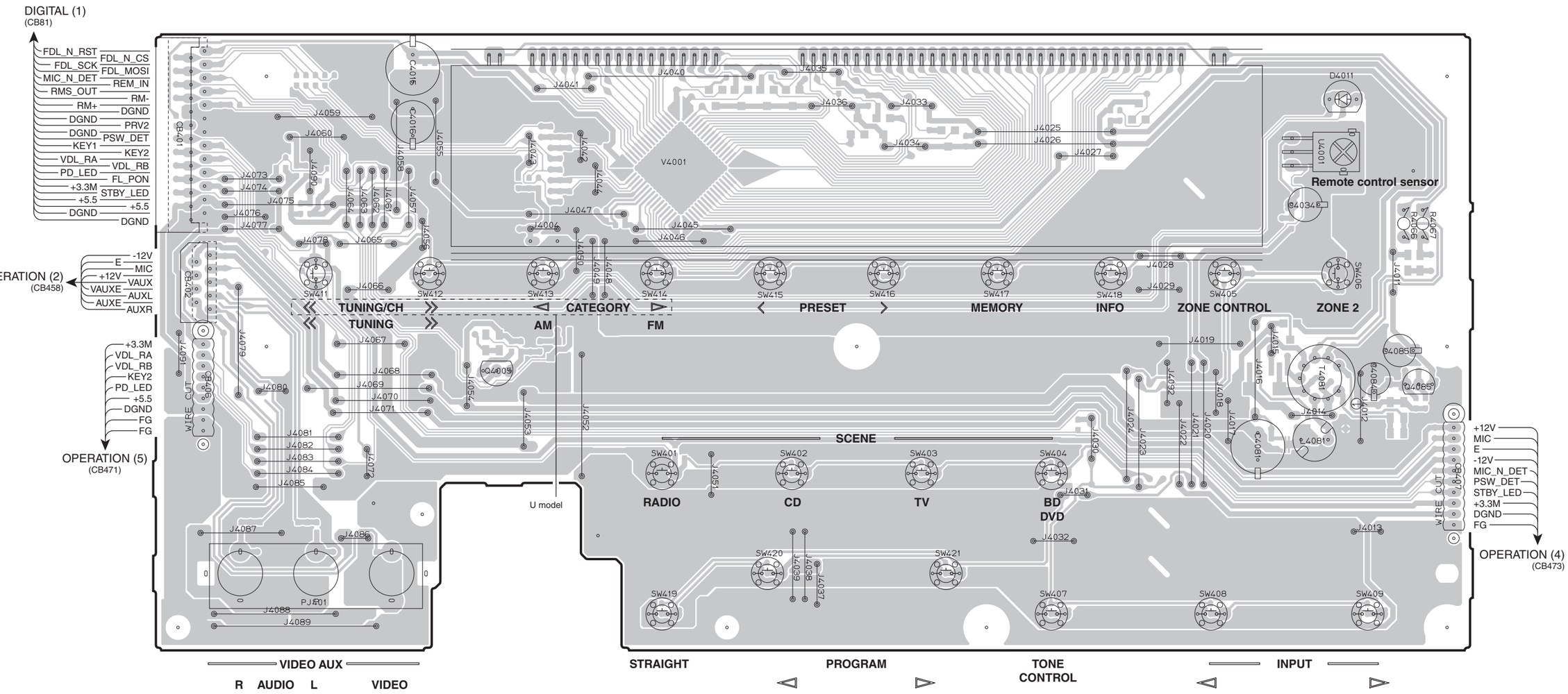
Ref no.	Location	Ref no.	Location
D201	H4	Q3	E2
D202	H4	Q4	E2
D351	I6	Q5	F2
D360	I6	Q6	F2
D361	I6	Q7	F2
D362	I7	Q8	F2
D605	C2	Q9	G2
D801	E5	Q10	G2
IC4	G3	Q201	H4
IC65	D3	Q203	H3
IC80	E5	Q351	I6
IC83	E5	Q804	D5
IC91	E5	Q805	D5
IC92	E5	Q806	D5
IC93	E5	Q807	D5
IC94	E5	Q814	E5
IC95	E6	Q815	E5
IC96	E5	Q816	E5
IC905	C4	Q817	E5
IC909	C3	Q818	E5
IC910	C4	Q819	E5
IC914	C4	Q820	F5
IC915	C3	Q821	F5
IC917	C3	Q9005	C3
IC922	C5	Q9006	C3
Q1	E2	Q9007	C3
Q2	D2		

DIGITAL (2) (Side B)



RX-V671/HTR-6064

OPERATION (1) (Side A)

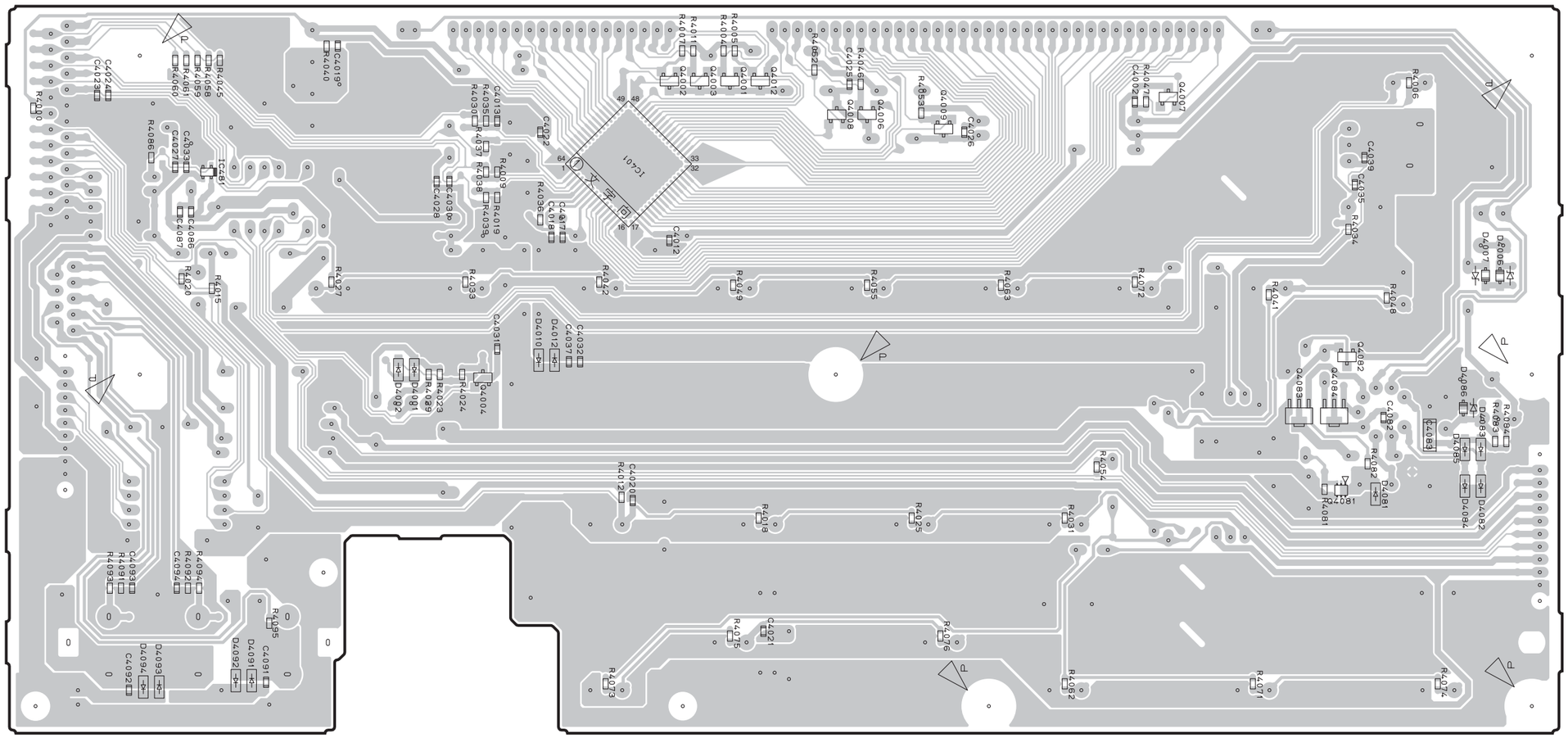


• Semiconductor Location

Ref no.	Location
D4011	I3
Q4005	D4
Q4085	J4

RX-V671/HTR-6064

OPERATION (1) (Side B)

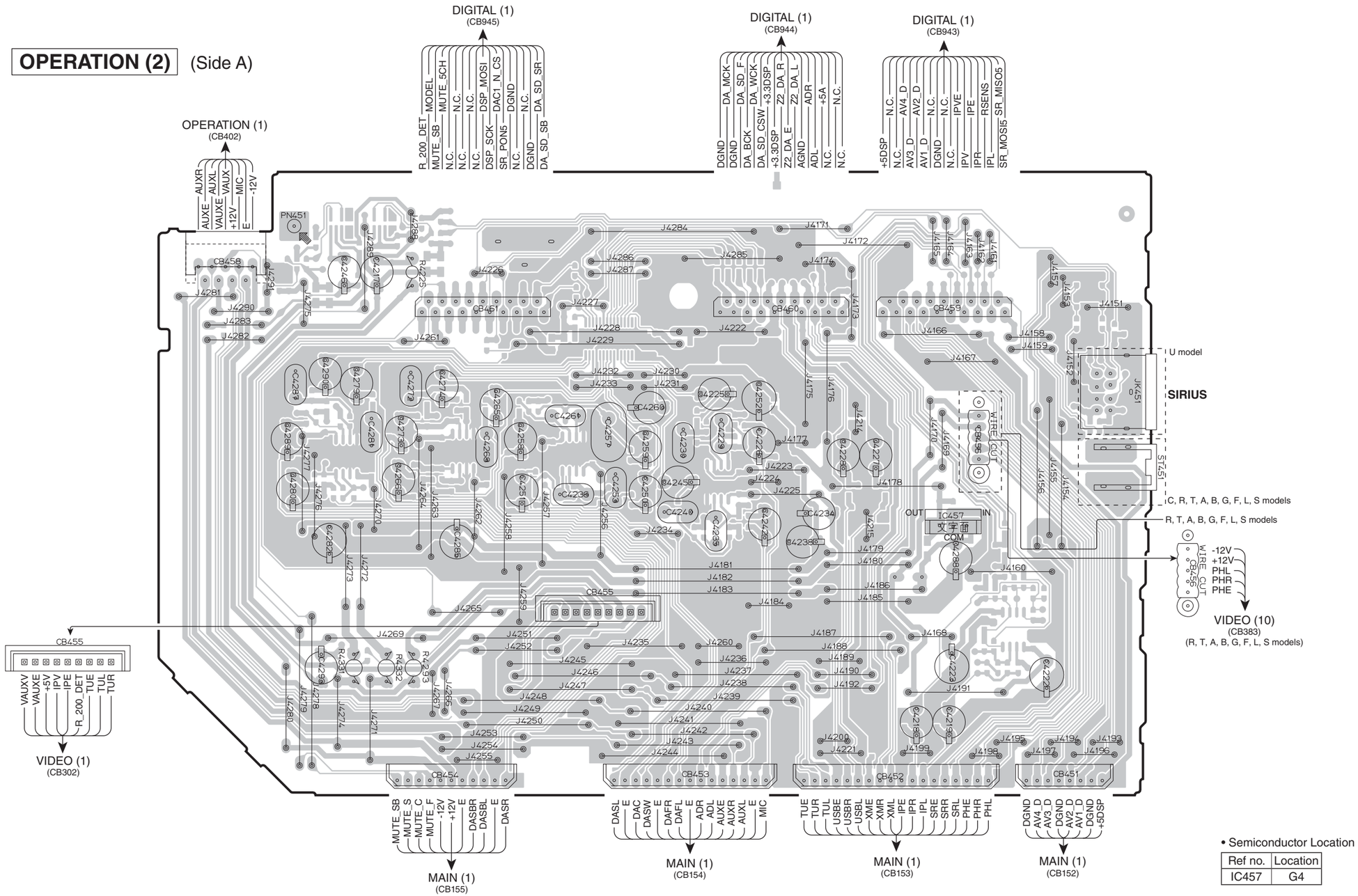


• Semiconductor Location

Ref no.	Location	Ref no.	Location	Ref no.	Location	Ref no.	Location
D4001	C4	D4083	I4	IC401	E3	Q4008	F3
D4002	C4	D4084	I5	IC481	B3	Q4009	F3
D4006	I4	D4085	I4	Q4001	E3	Q4012	E3
D4007	I4	D4086	I4	Q4002	E3	Q4081	H5
D4010	D4	D4091	C6	Q4003	E3	Q4082	H4
D4012	D4	D4092	C6	Q4004	D4	Q4083	H4
D4081	H5	D4093	B6	Q4006	F3	Q4084	H4
D4082	I5	D4094	B6	Q4007	G3		

RX-V671/HTR-6064

OPERATION (2) (Side A)



• Semiconductor Location

Ref no.	Location
IC457	G4

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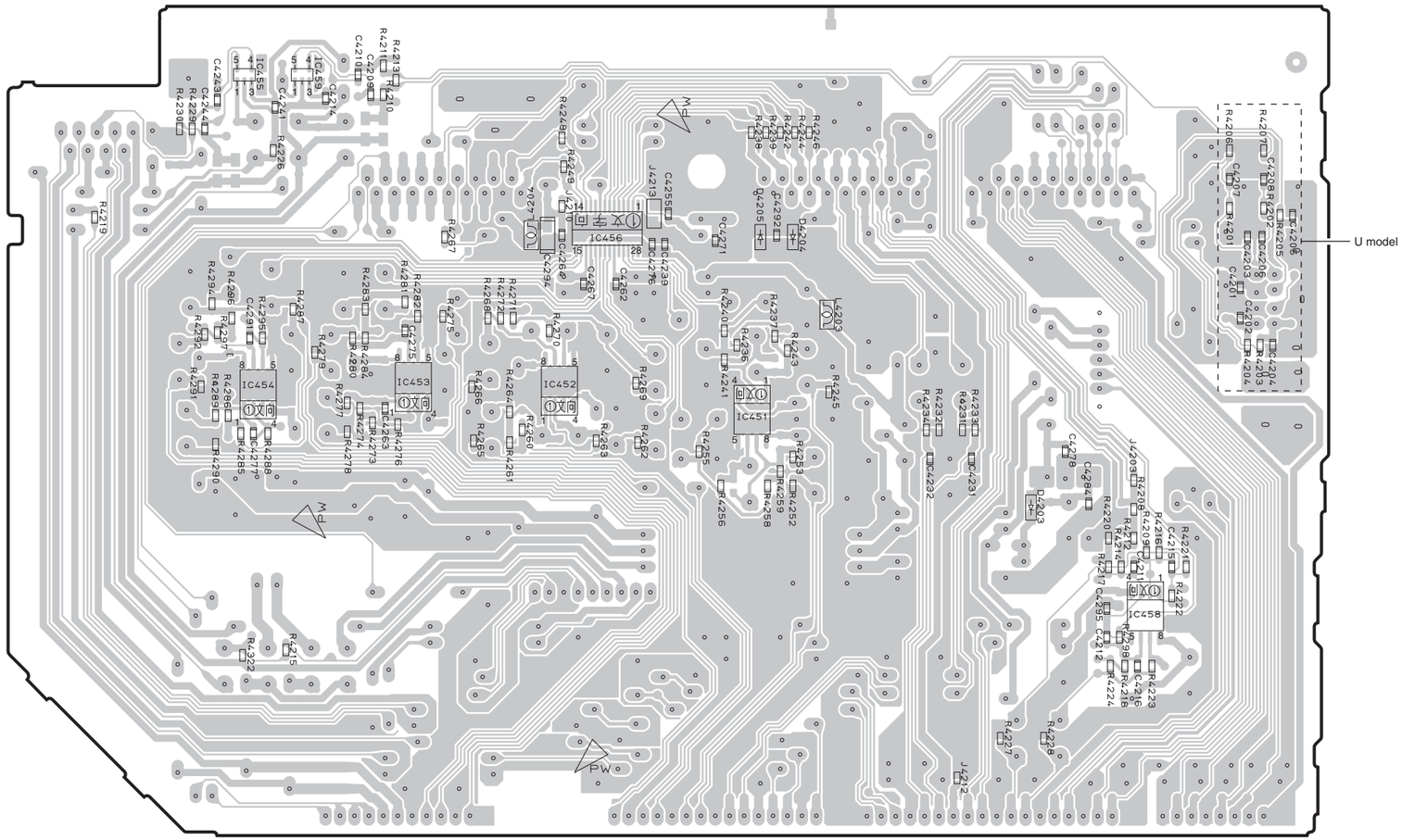
OPERATION (2) (Side B)



• Semiconductor Location

Ref no.	Location
D4203	G4
D4204	F3
D4205	E3
IC451	E4
IC452	E4
IC453	D4
IC454	C4
IC455	C2
IC456	E3
IC458	G5
IC459	C2

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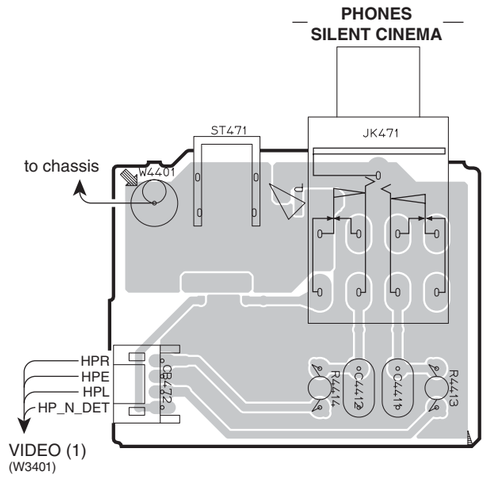
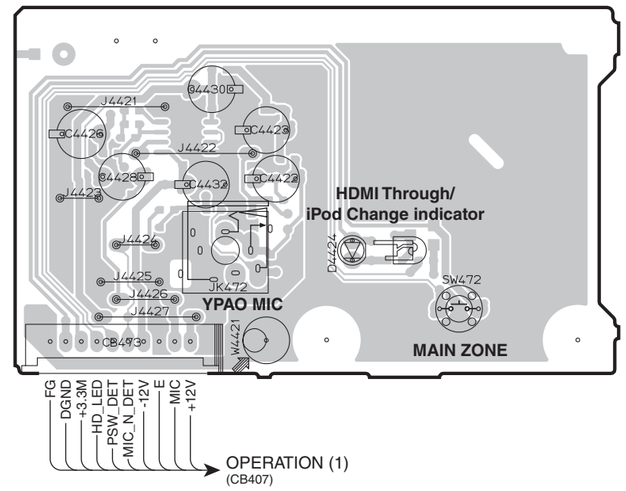
OPERATION (3) (Side A)



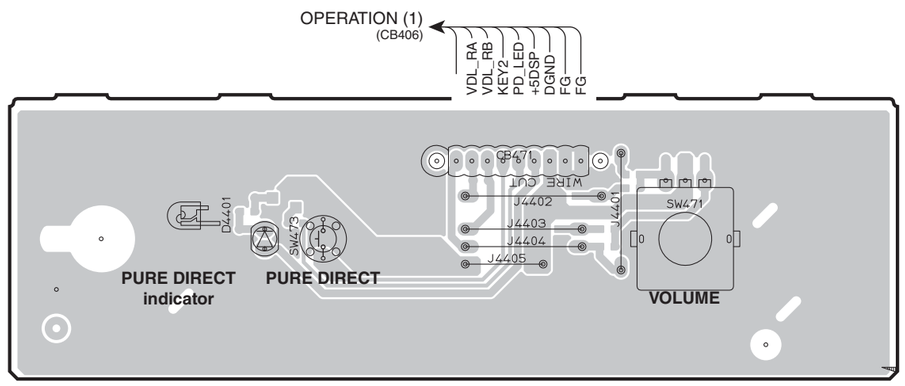
OPERATION (4) (Side A)



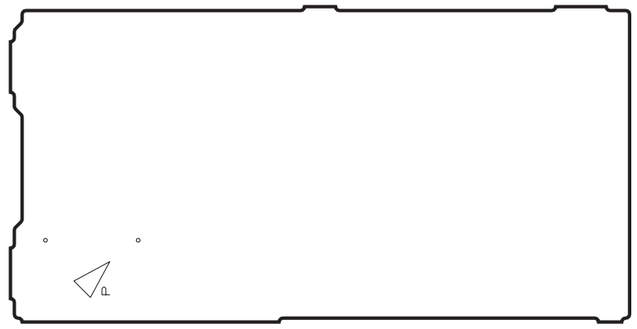
• Semiconductor Location

Ref no.	Location
D4401	C6
D4424	H3

OPERATION (5) (Side A)



OPERATION (6) (Side A)



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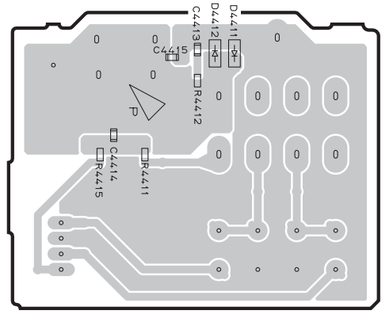
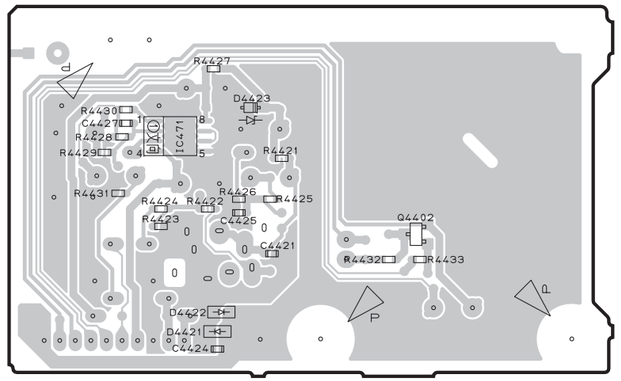
OPERATION (3) (Side B)



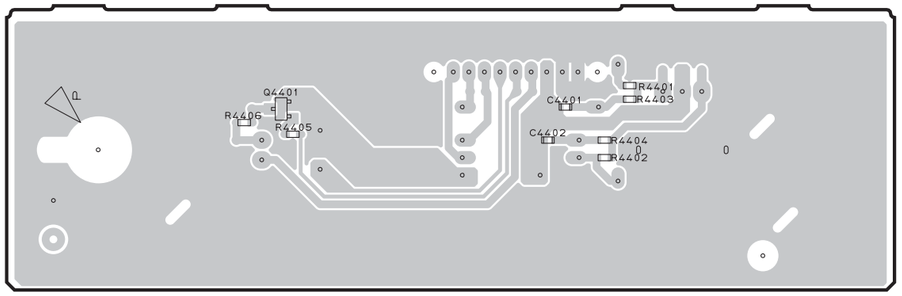
OPERATION (4) (Side B)



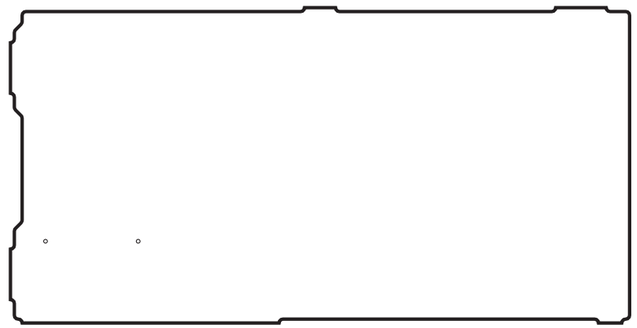
• Semiconductor Location

Ref no.	Location
D4411	C3
D4412	C3
D4421	G3
D4422	G3
D4423	H3
IC471	G3
Q4001	C6
Q4401	C6
Q4402	H3

OPERATION (5) (Side B)



OPERATION (6) (Side B)



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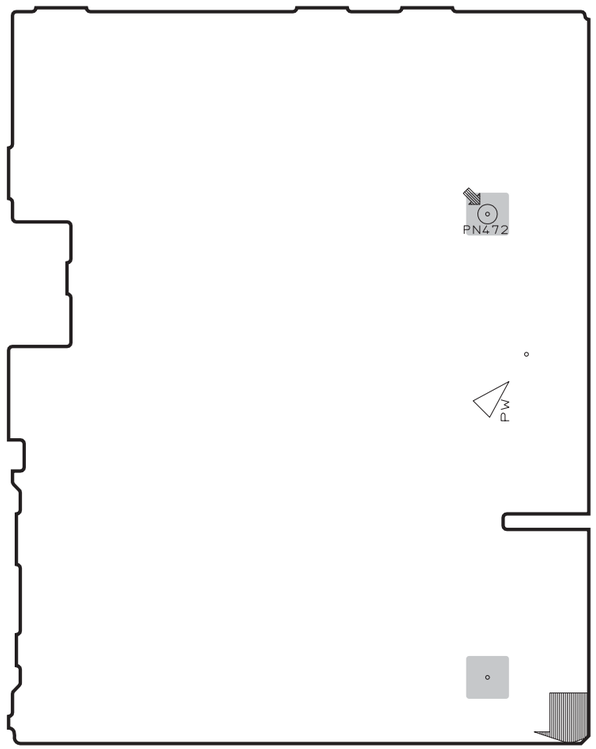
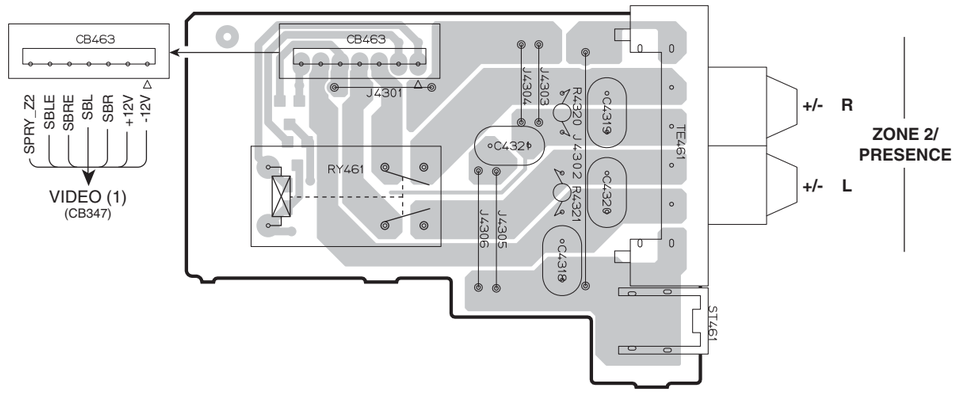
OPERATION (7) (Side A)

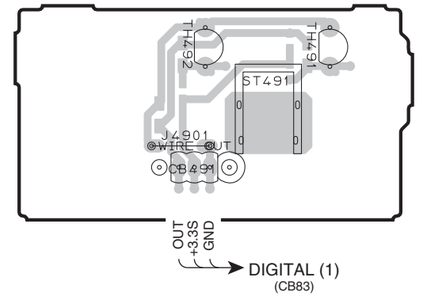


OPERATION (8) (Side A)



OPERATION (9) (Side A)

U, C models

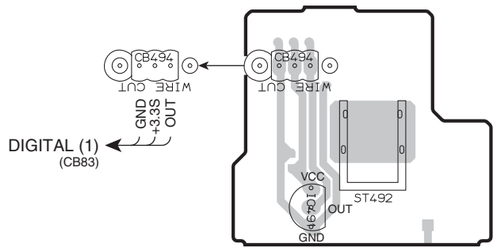


• Semiconductor Location

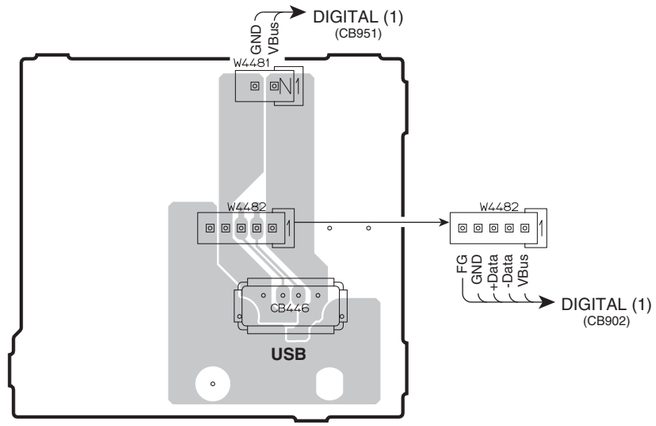
Ref no.	Location
IC491	E7

OPERATION (10) (Side A)

R, T, A, B, G, F, L, S models



OPERATION (11) (Side A)



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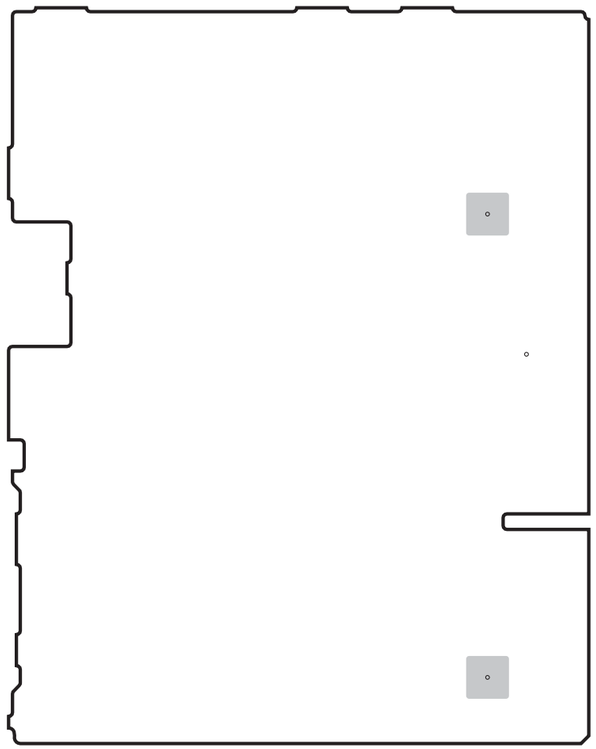
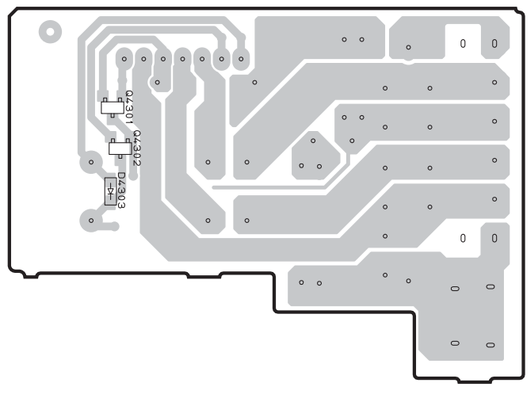
OPERATION (7) (Side B)

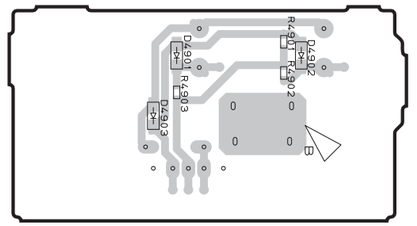


OPERATION (8) (Side B)



OPERATION (9) (Side B)

U, C models

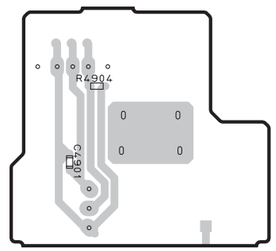


• Semiconductor Location

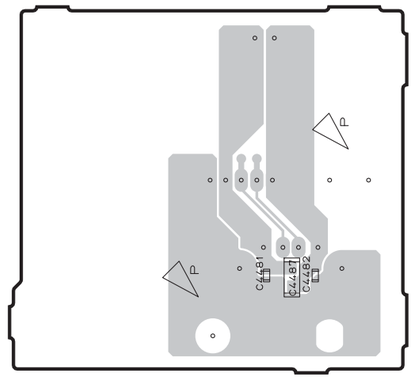
Ref no.	Location
D4303	E3
D4901	I3
D4902	I3
D4903	I3
Q4301	E3
Q4302	E3

OPERATION (10) (Side B)

R, T, A, B, G, F, L, S models



OPERATION (11) (Side B)



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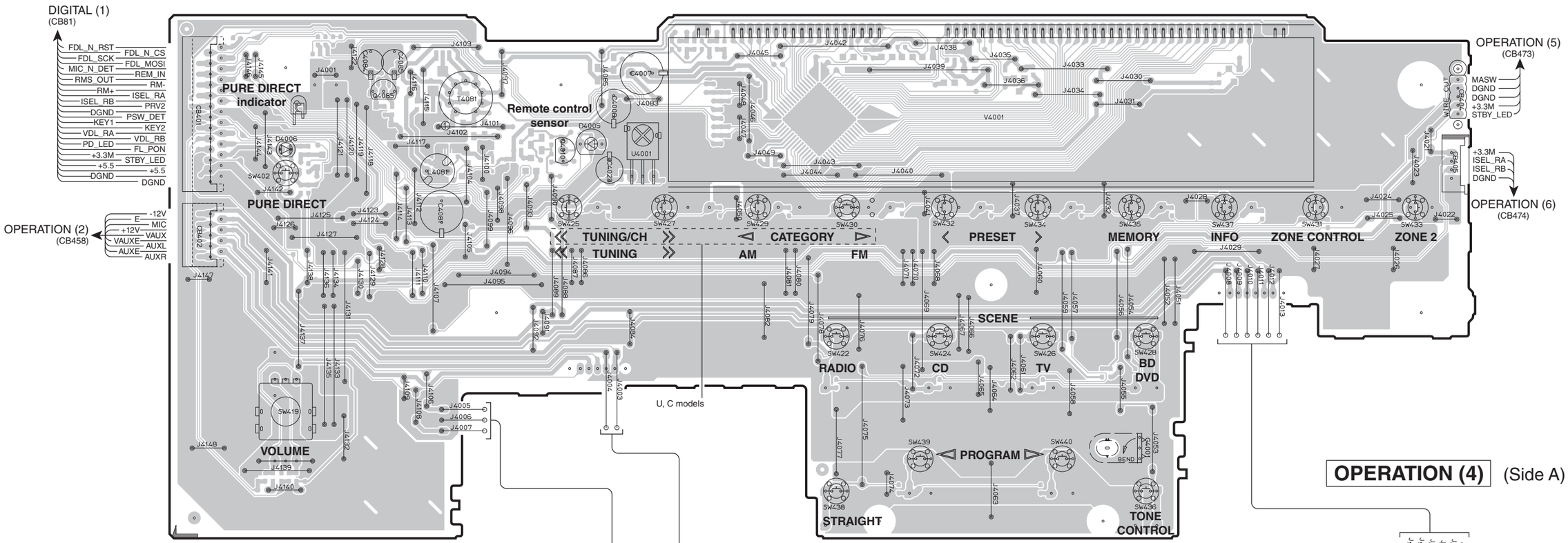
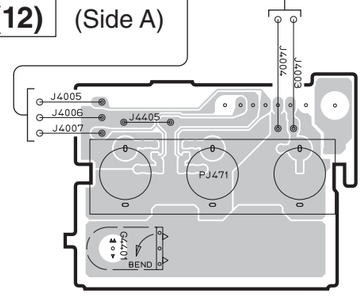
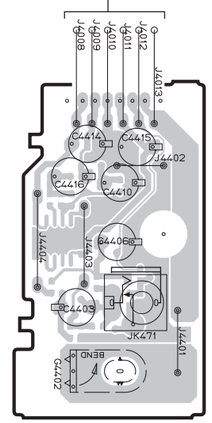
OPERATION (1) (Side A)



OPERATION (12) (Side A)



OPERATION (4) (Side A)



• Semiconductor Location

Ref no.	Location	Ref no.	Location
D4005	D3	D4409	D7
D4006	C3	D4410	D7
D4401	I7	D4411	D7
D4403	I7	IC471	I6
D4406	I7	Q4010	D3
D4408	D7	Q4085	C3

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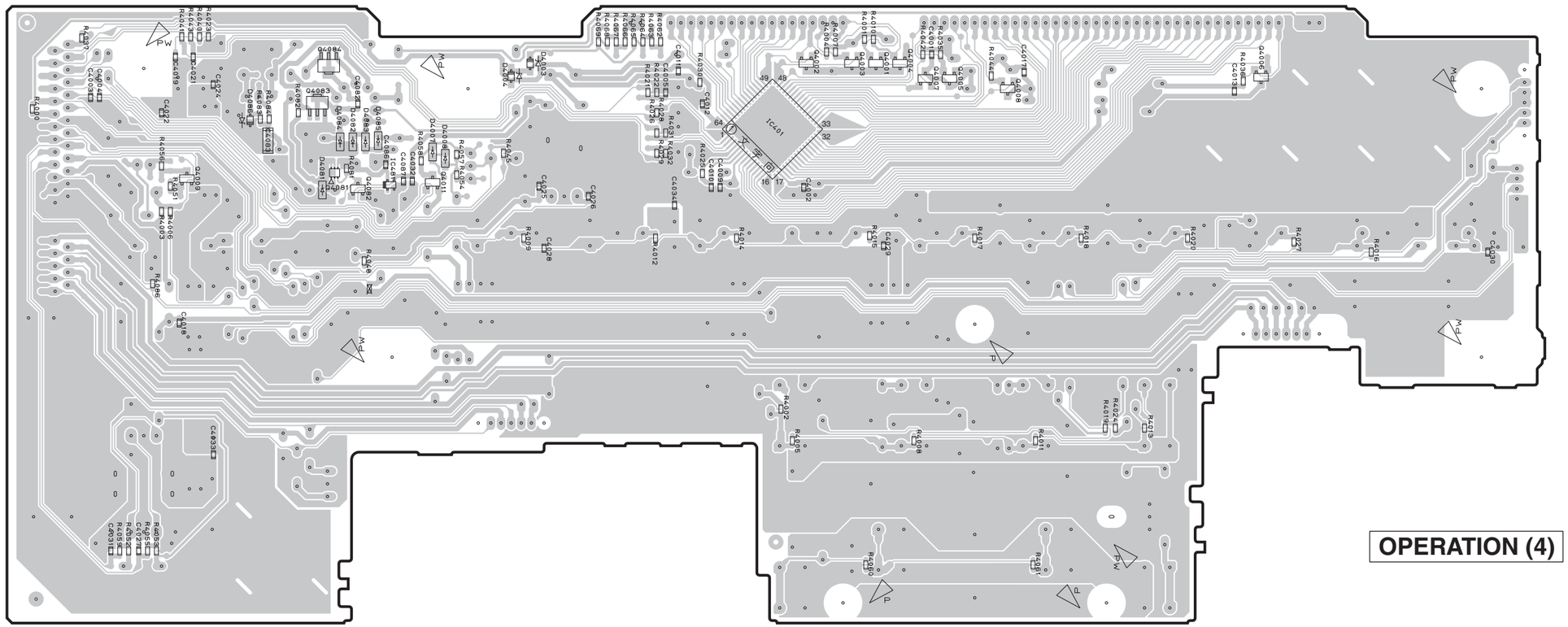
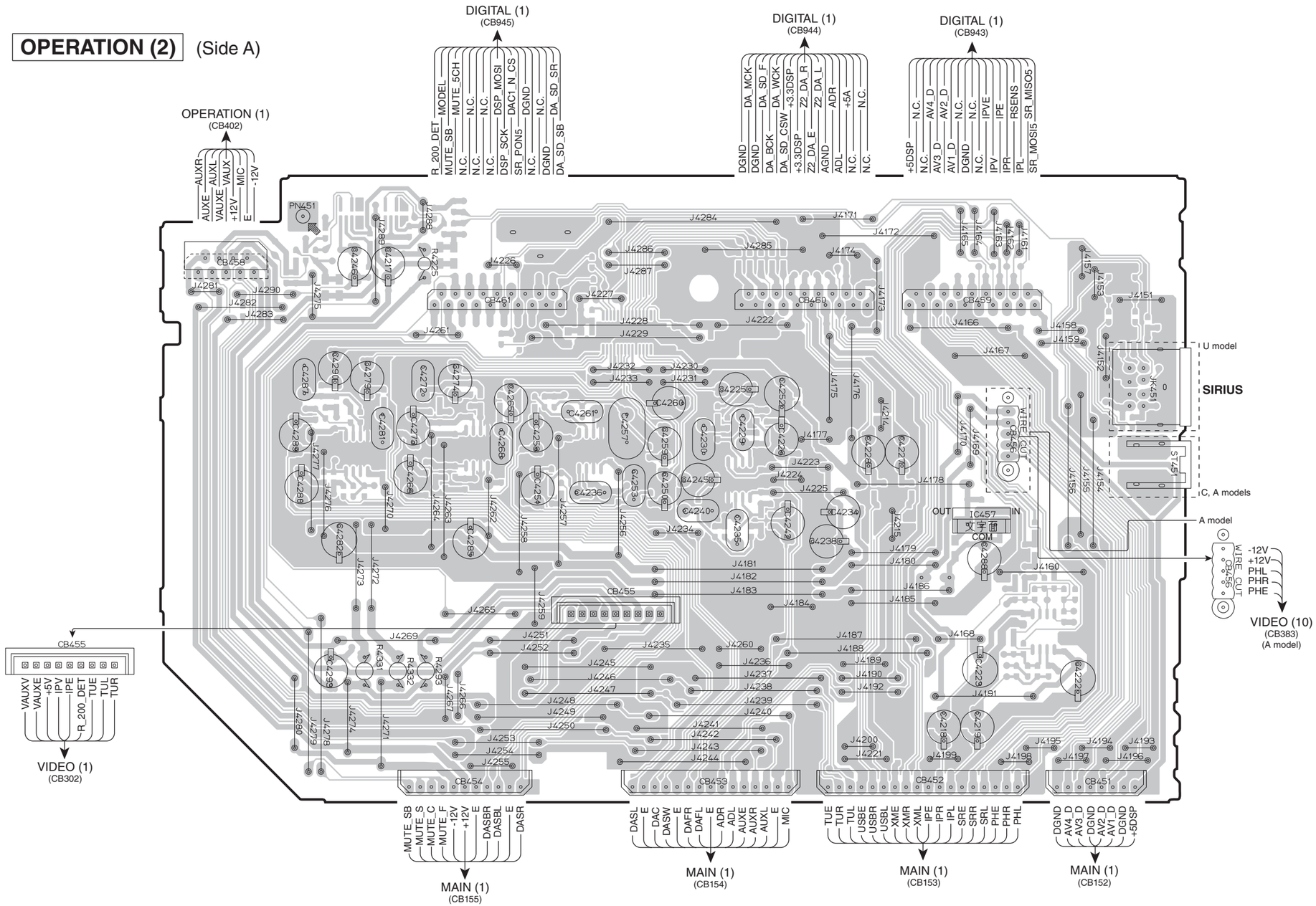
OPERATION (1) (Side B)



RX-A710

OPERATION (2) (Side A)

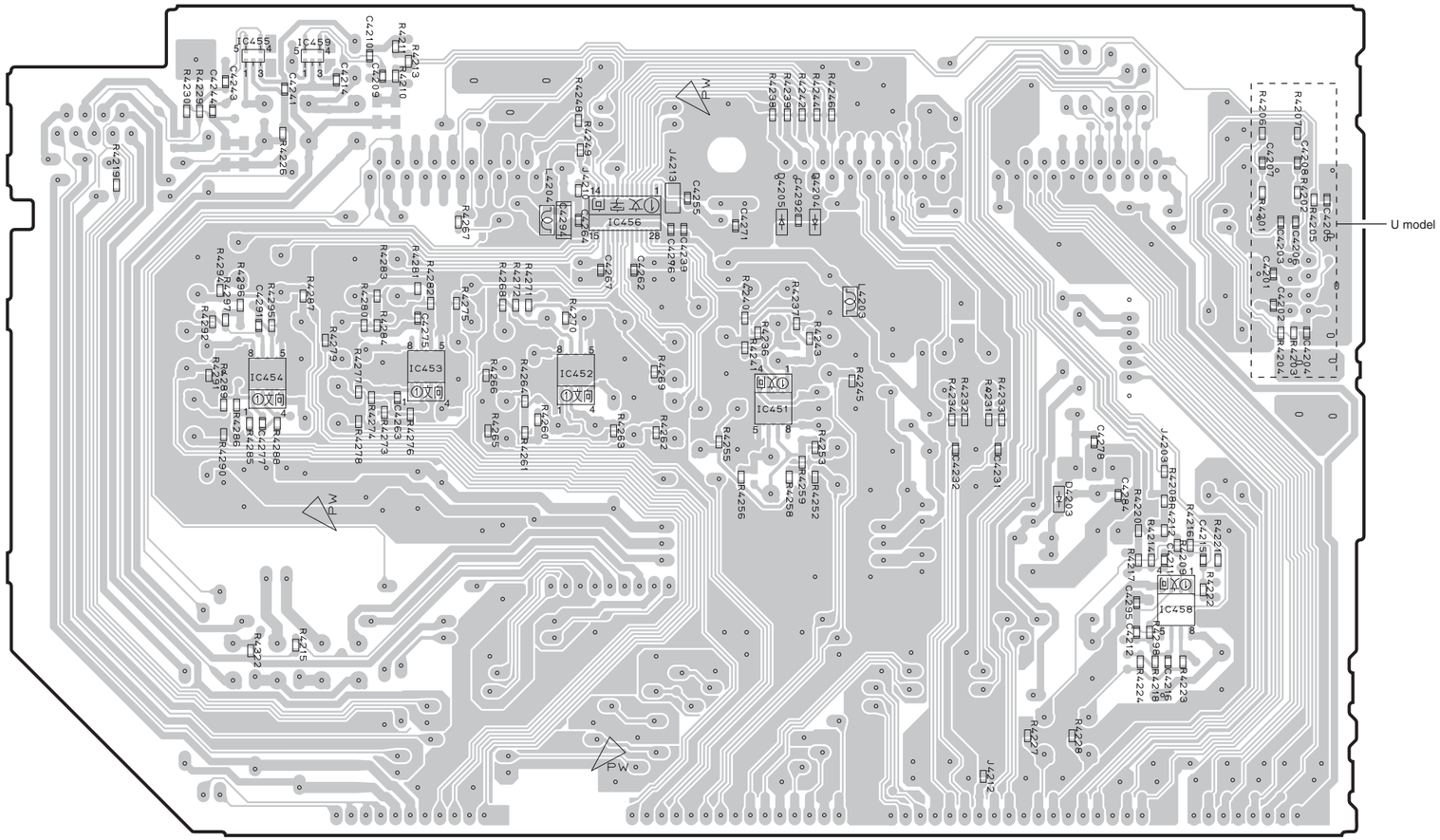


• Semiconductor Location

Ref no.	Location
IC457	G4

RX-A710

OPERATION (2) (Side B)



• Semiconductor Location

Ref no.	Location
D4203	G4
D4204	F3
D4205	E3
IC451	E4
IC452	E4
IC453	D4
IC454	C4
IC455	C2
IC456	E3
IC458	G5
IC459	C2

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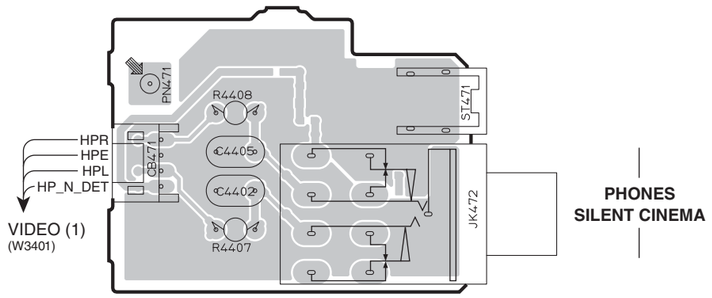
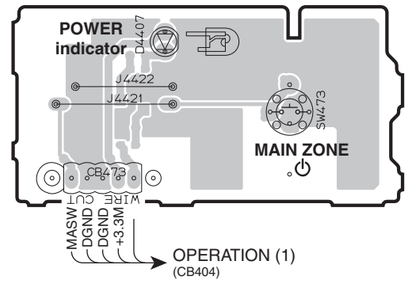
OPERATION (3) (Side A)



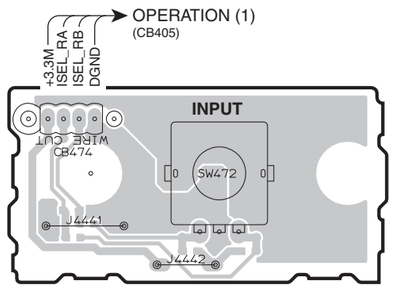
OPERATION (5) (Side A)



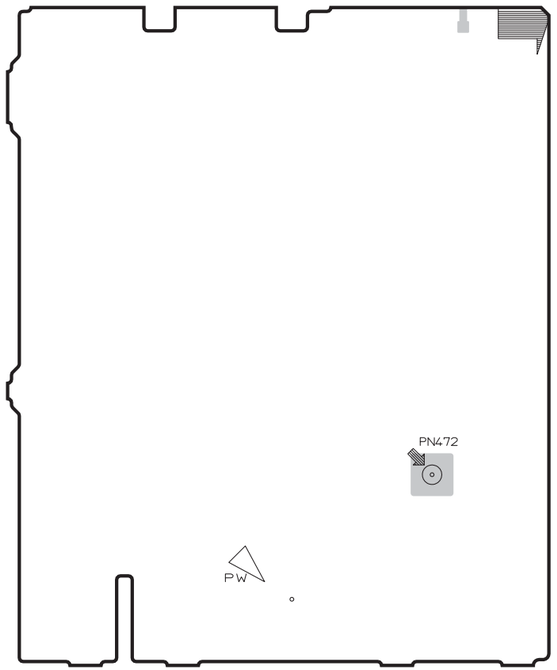
• Semiconductor Location

Ref no.	Location
D4407	H2

OPERATION (6) (Side A)



OPERATION (7) (Side A)



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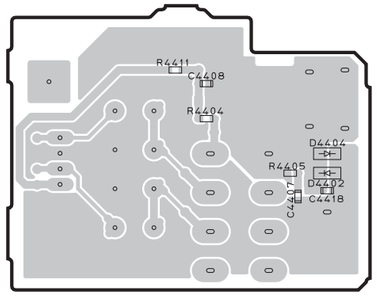
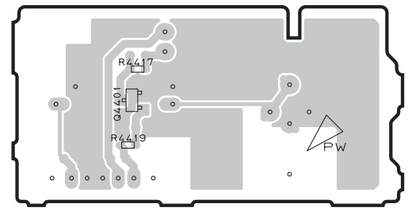
OPERATION (3) (Side B)



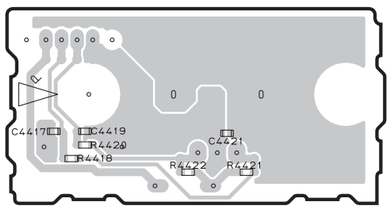
OPERATION (5) (Side B)



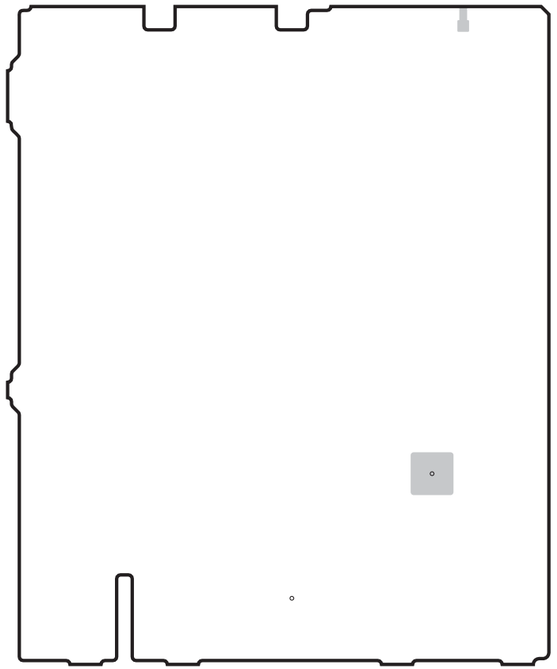
• Semiconductor Location

Ref no.	Location
D4402	C3
D4404	C3
Q4401	G3

OPERATION (6) (Side B)



OPERATION (7) (Side B)



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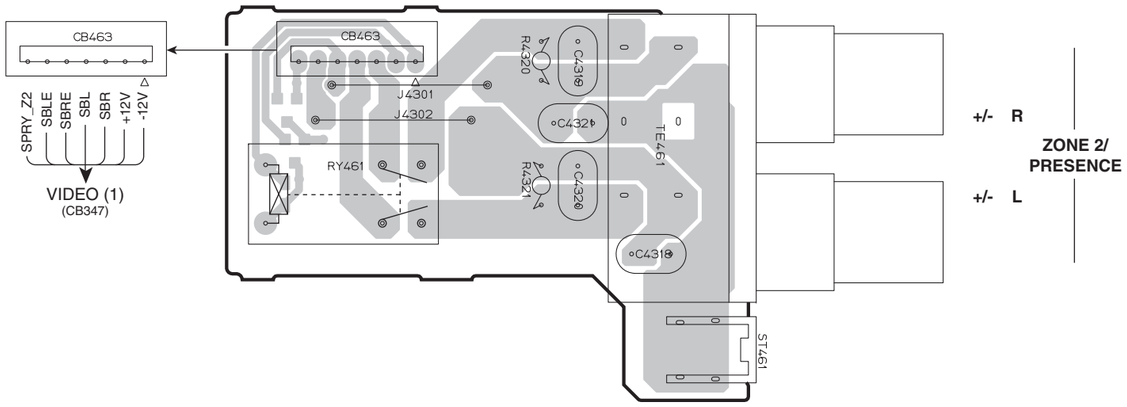
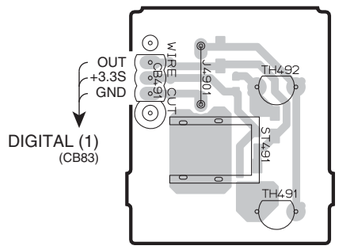
OPERATION (8) (Side A)



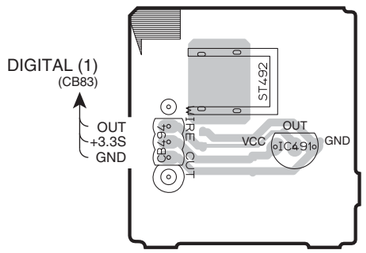
OPERATION (9) (Side A)

U, C models



OPERATION (10) (Side A)

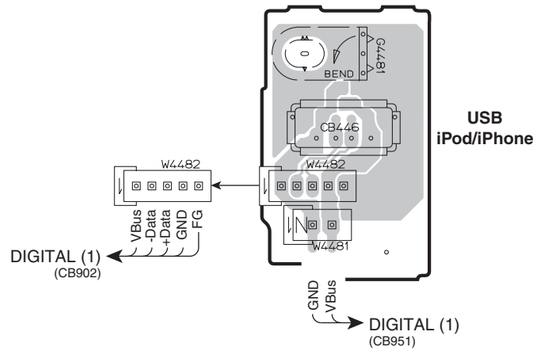
A model



• Semiconductor Location

Ref no.	Location
IC491	D6

OPERATION (11) (Side A)



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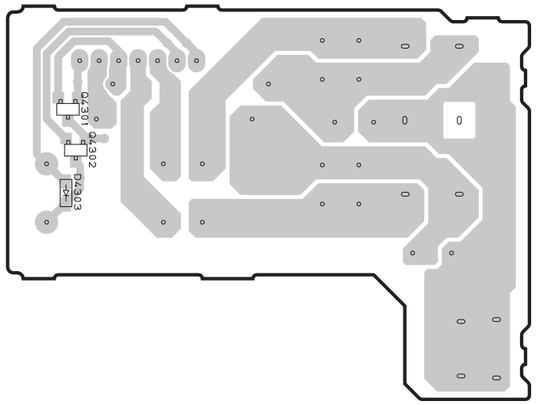
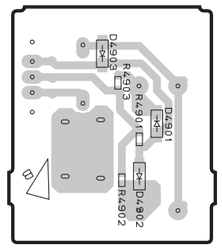
OPERATION (8) (Side B)



OPERATION (9) (Side B)

U, C models

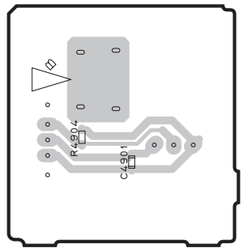


• Semiconductor Location

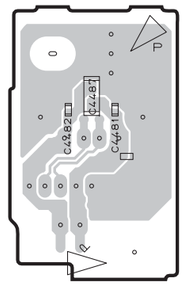
Ref no.	Location
D4303	B3
D4901	G3
D4902	G3
D4903	G2
Q4301	B2
Q4302	B3

OPERATION (10) (Side B)

A model



OPERATION (11) (Side B)



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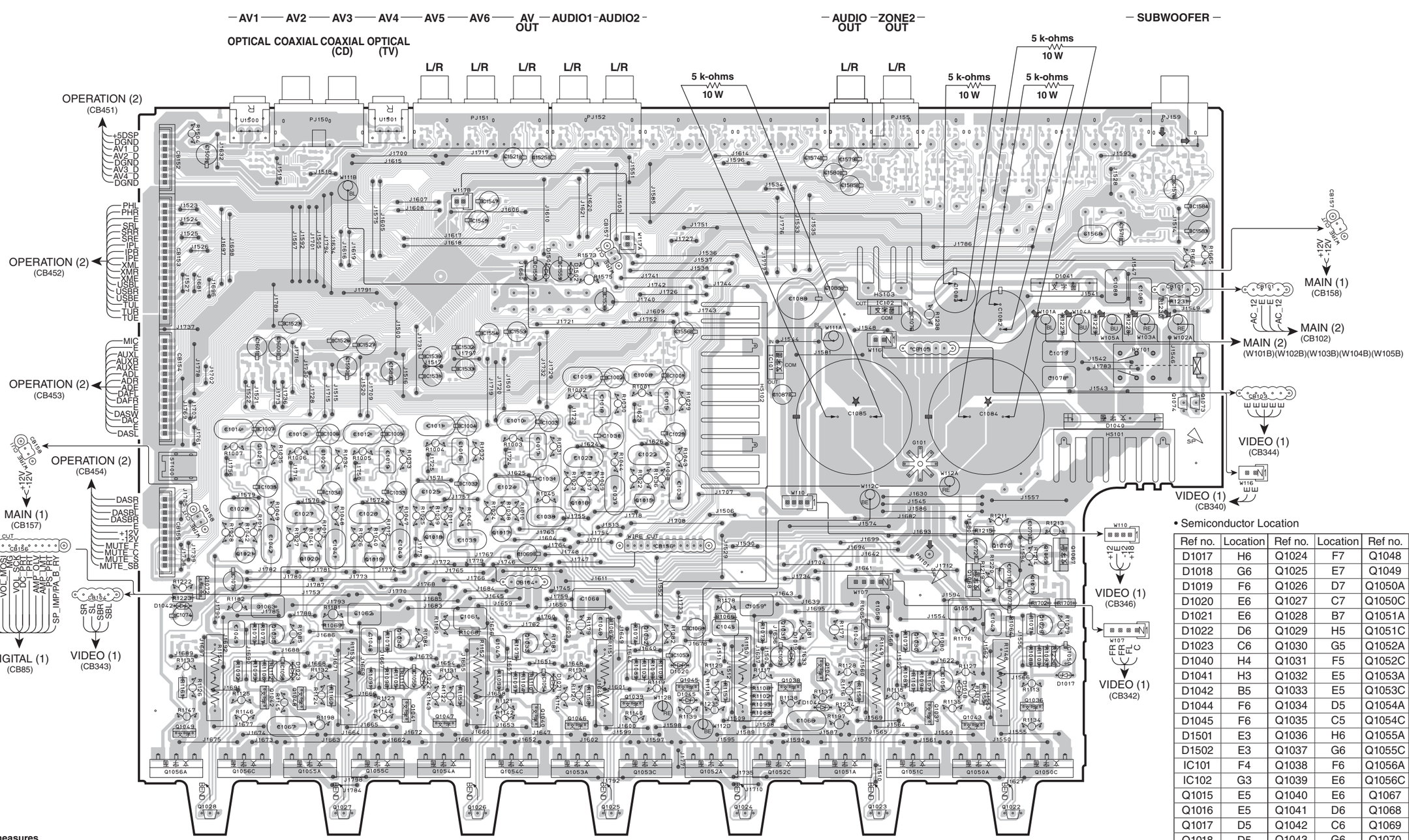
MAIN (1) (Side A)



Notes)

Safety measures

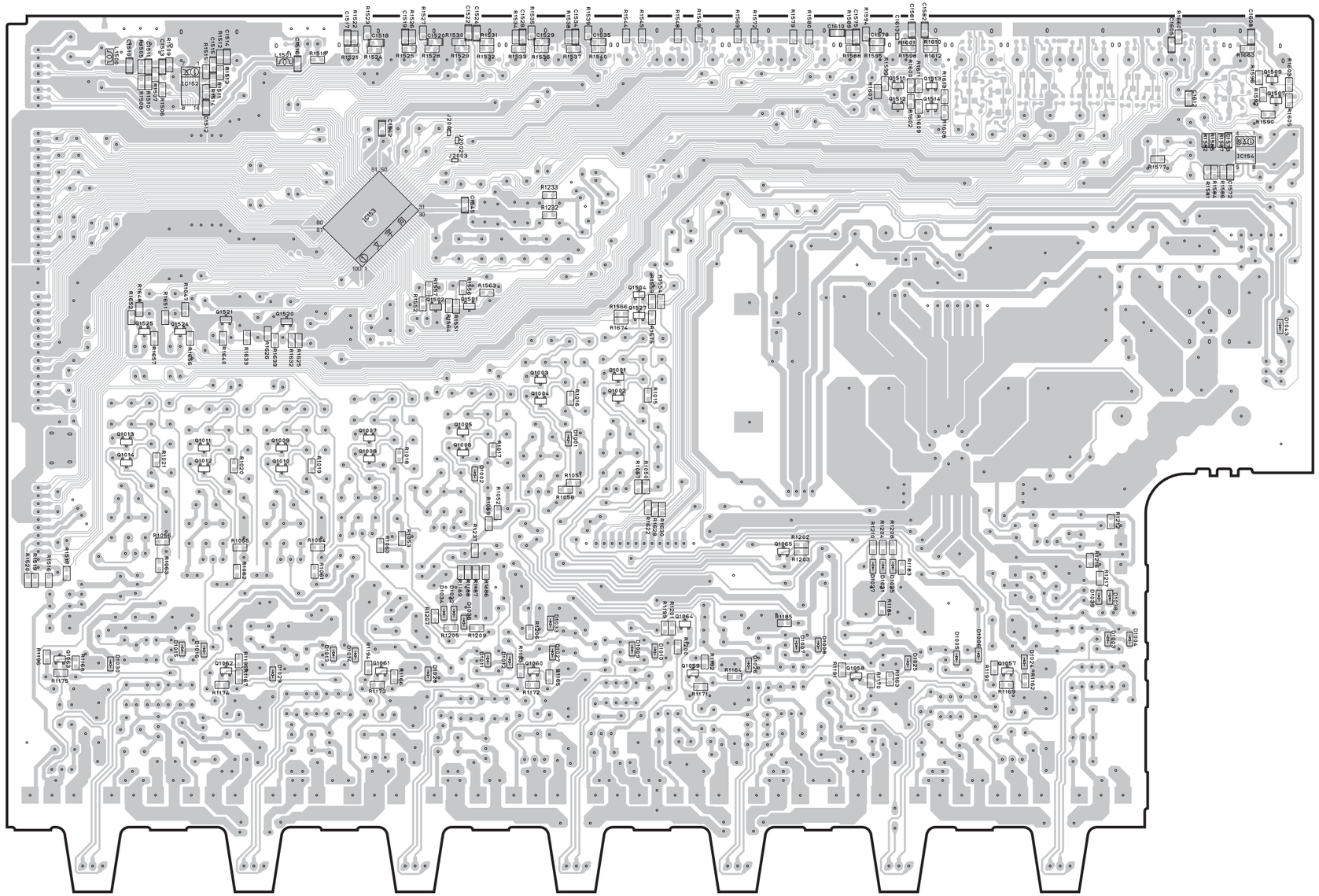
- Some internal parts in this product contain high voltages and are dangerous. Be sure to take safety measures during servicing, such as wearing insulating gloves.
- Note that the capacitors indicated below are dangerous even after the power is turned off because an electric charge remains and a high voltage continues to exist there. Before starting any repair work, connect a discharging resistor (5 k-ohms/10 W) to the terminals of each capacitor indicated below to discharge electricity. The time required for discharging is about 30 seconds per each.
  C1076, C1082-1086 on MAIN (1) P.C.B.

- Semiconductor Location

Ref no.	Location	Ref no.	Location	Ref no.	Location
D1017	H6	Q1024	F7	Q1048	C6
D1018	G6	Q1025	E7	Q1049	B6
D1019	F6	Q1026	D7	Q1050A	G6
D1020	E6	Q1027	C7	Q1050C	H6
D1021	E6	Q1028	B7	Q1051A	G6
D1022	D6	Q1029	H5	Q1051C	G6
D1023	C6	Q1030	G5	Q1052A	F6
D1040	H4	Q1031	F5	Q1052C	F6
D1041	H3	Q1032	E5	Q1053A	E6
D1042	B5	Q1033	E5	Q1053C	E6
D1044	F6	Q1034	D5	Q1054A	D6
D1045	F6	Q1035	C5	Q1054C	D6
D1501	E3	Q1036	H6	Q1055A	C6
D1502	E3	Q1037	G6	Q1055C	D6
IC101	F4	Q1038	F6	Q1056A	B6
IC102	G3	Q1039	E6	Q1056C	C6
Q1015	E5	Q1040	E6	Q1067	H5
Q1016	E5	Q1041	D6	Q1068	G5
Q1017	D5	Q1042	C6	Q1069	H5
Q1018	D5	Q1043	G6	Q1070	H5
Q1019	D5	Q1044	F6	Q1071	H5
Q1020	C5	Q1045	F6	Q1072	B5
Q1021	C5	Q1046	E6	Q1073	I4
Q1022	H7	Q1047	D6	Q1074	I4
Q1023	G7				

RX-V671/HTR-6064 | **RX-A710**

MAIN (1) (Side B)

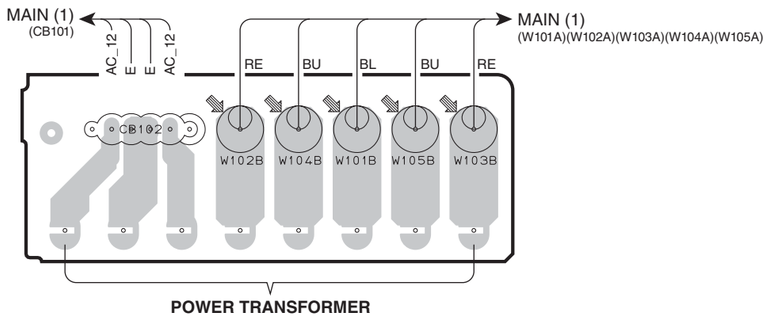


• Semiconductor Location

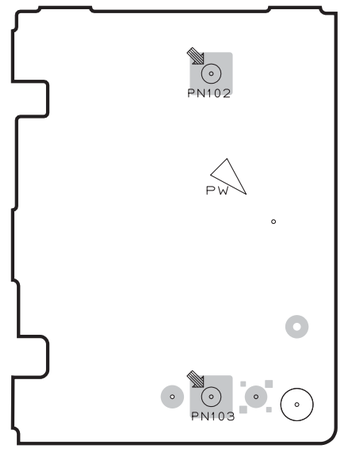
Ref no.	Location	Ref no.	Location
D1001	D4	Q1002	E4
D1002	D4	Q1003	D4
D1003	G5	Q1004	D4
D1004	G5	Q1005	D4
D1005	G5	Q1006	D4
D1006	G5	Q1007	C4
D1007	F5	Q1008	C4
D1008	F5	Q1009	C4
D1009	E5	Q1010	C4
D1010	E5	Q1011	C4
D1011	D5	Q1012	C4
D1012	D5	Q1013	B4
D1013	C5	Q1014	B4
D1014	C5	Q1057	G5
D1015	B5	Q1058	F6
D1016	C5	Q1059	E6
D1024	G5	Q1060	D6
D1025	F5	Q1061	C6
D1026	E5	Q1062	C6
D1027	D5	Q1063	B5
D1028	D6	Q1064	E5
D1029	C6	Q1065	F5
D1030	B5	Q1501	D4
D1031	F5	Q1502	D4
D1032	D5	Q1504	E4
D1033	D5	Q1507	H2
D1034	D5	Q1509	H2
D1035	F5	Q1511	F2
D1036	D5	Q1512	F2
D1037	F5	Q1513	F2
D1038	G5	Q1514	F2
D1039	G5	Q1520	C4
D1043	H4	Q1521	C4
IC152	B2	Q1524	B4
IC153	C3	Q1525	B4
IC154	H3	Q1527	E4
Q1001	E4		

RX-V671/HTR-6064 | **RX-A710**

MAIN (2) (Side A)



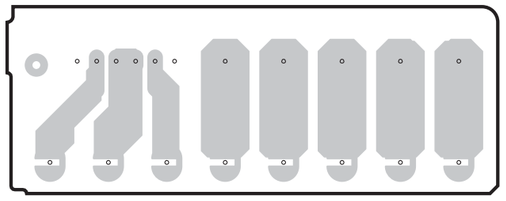
MAIN (6) (Side A)



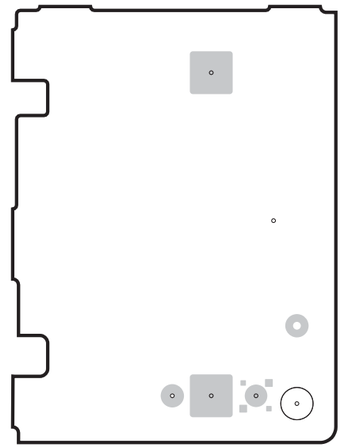
1 2 3 4 5 6 7

RX-V671/HTR-6064 | RX-A710

MAIN (2) (Side B)

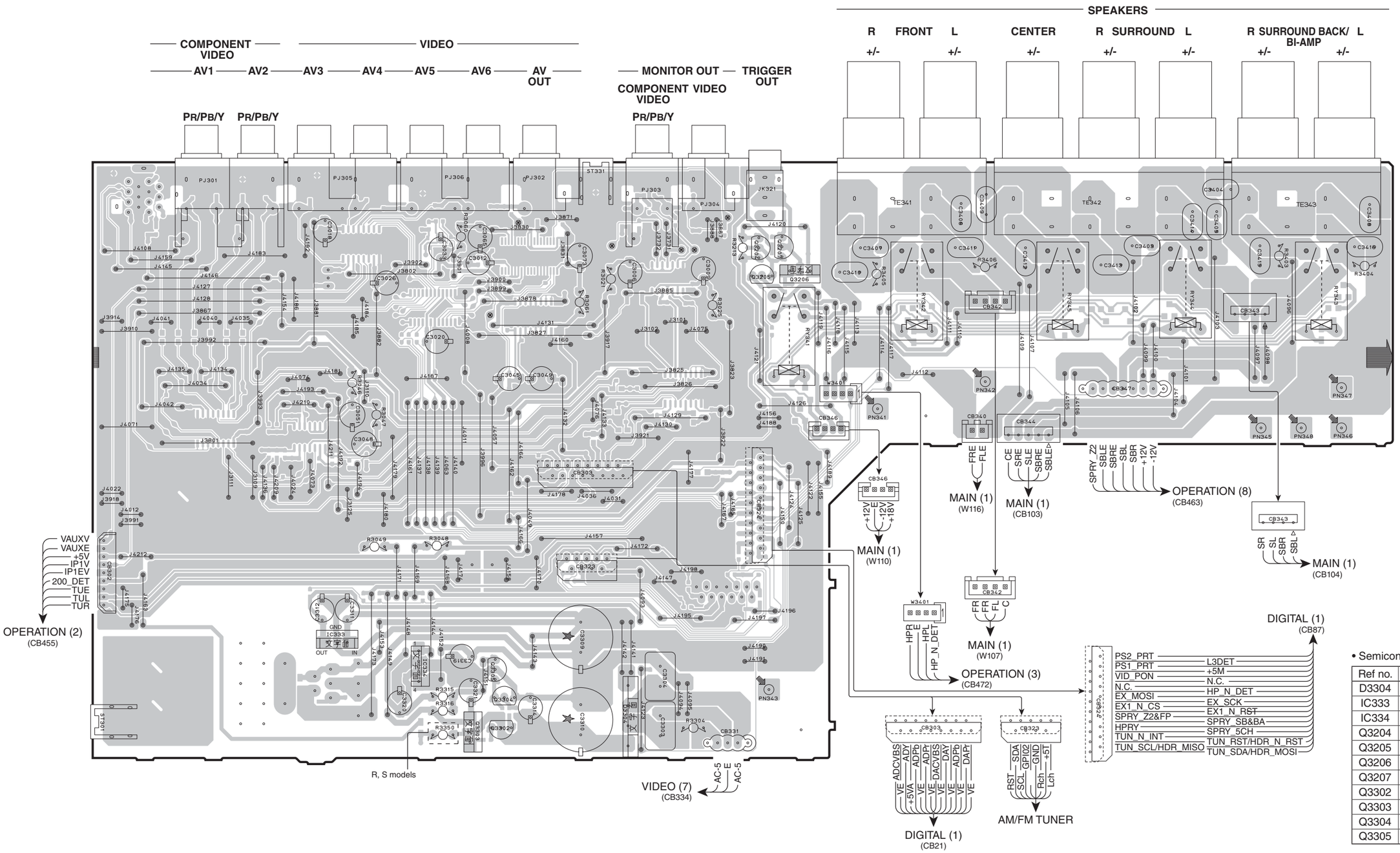


MAIN (6) (Side B)



RX-V671/HTR-6064

VIDEO (1) (Side A)



• Semiconductor Location

Ref no.	Location
D3304	E6
IC333	C6
IC334	D6
Q3204	F3
Q3205	F3
Q3206	F3
Q3207	F3
Q3302	D6
Q3303	D6
Q3304	D6
Q3305	D6

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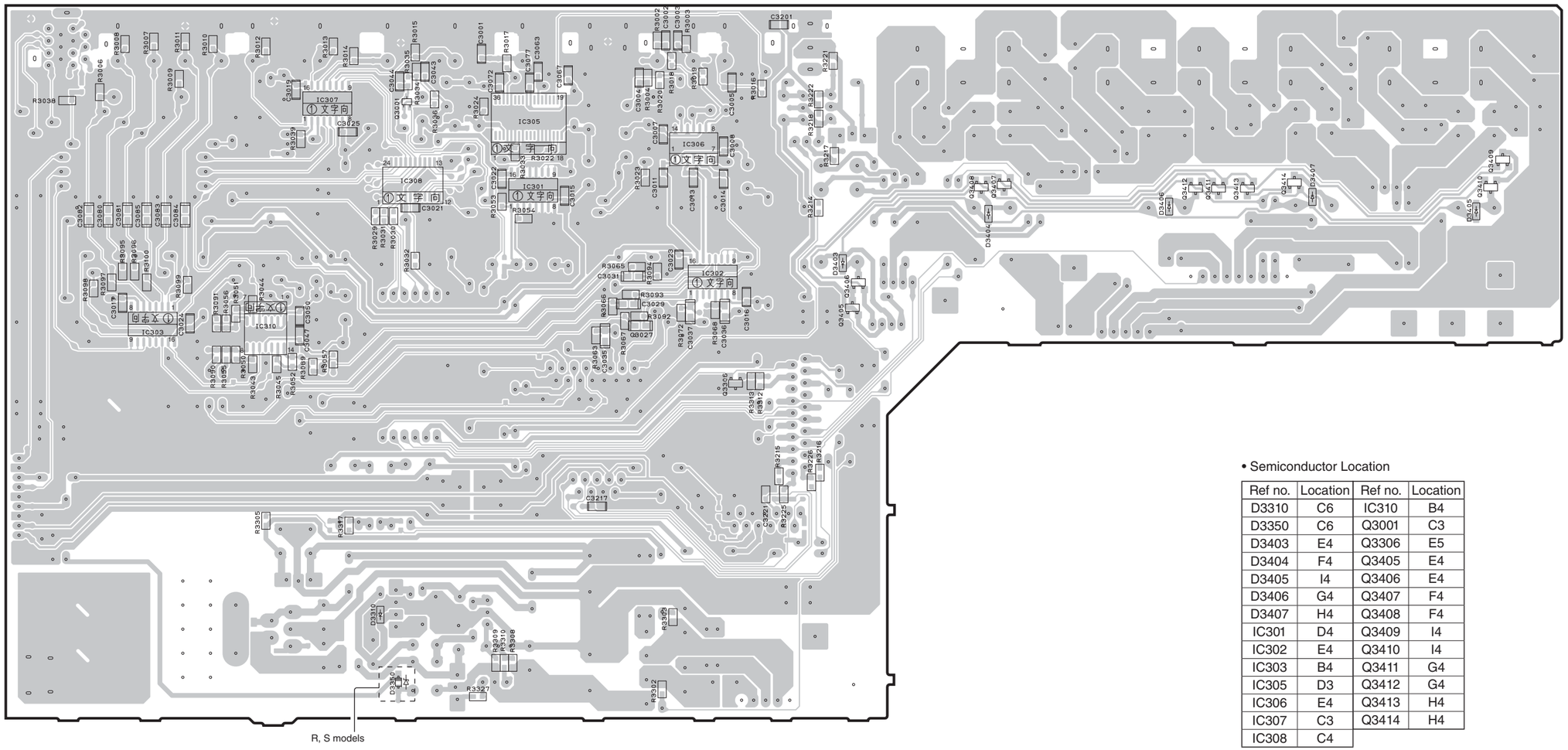
VIDEO (1) (Side B)

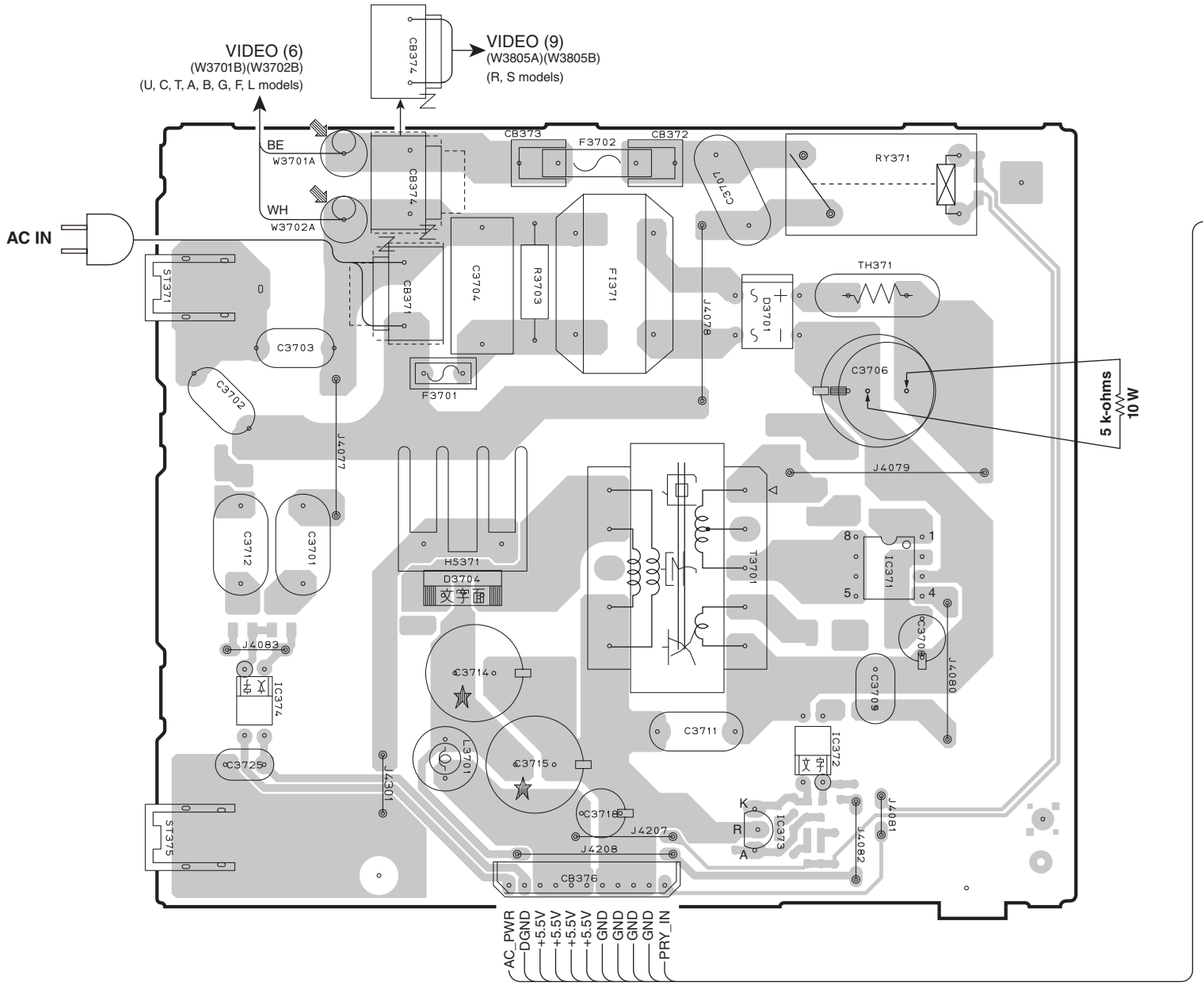


• Semiconductor Location

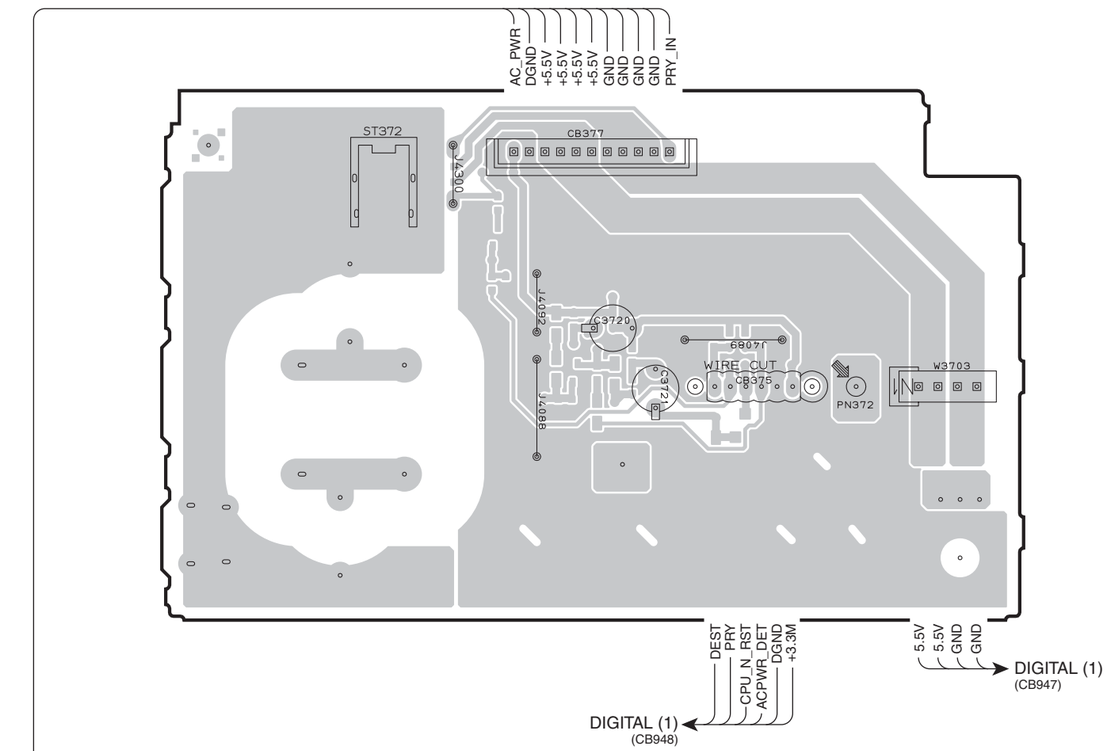
Ref no.	Location	Ref no.	Location
D3310	C6	IC310	B4
D3350	C6	Q3001	C3
D3403	E4	Q3306	E5
D3404	F4	Q3405	E4
D3405	I4	Q3406	E4
D3406	G4	Q3407	F4
D3407	H4	Q3408	F4
IC301	D4	Q3409	I4
IC302	E4	Q3410	I4
IC303	B4	Q3411	G4
IC305	D3	Q3412	G4
IC306	E4	Q3413	H4
IC307	C3	Q3414	H4
IC308	C4		

RX-V671/HTR-6064

VIDEO (2) (Side A)



VIDEO (3) (Side A)



Notes)

Safety measures

- Some internal parts in this product contain high voltages and are dangerous. Be sure to take safety measures during servicing, such as wearing insulating gloves.
- Note that the capacitors indicated below are dangerous even after the power is turned off because an electric charge remains and a high voltage continues to exist there. Before starting any repair work, connect a discharging resistor (5 k-ohms/10 W) to the terminals of each capacitor indicated below to discharge electricity. The time required for discharging is about 30 seconds per each.
  C3706 on VIDEO (2) P.C.B.

• Semiconductor Location

Ref no.	Location
D3701	D3
D3704	C4
IC371	E4
IC372	D5
IC373	D5
IC374	B4

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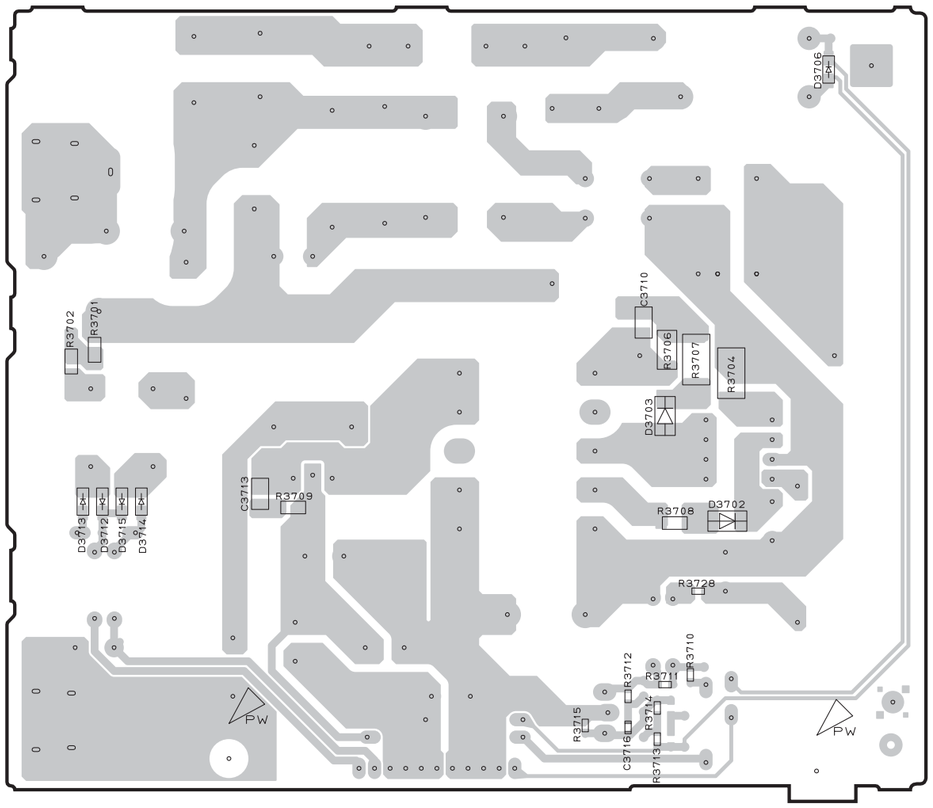
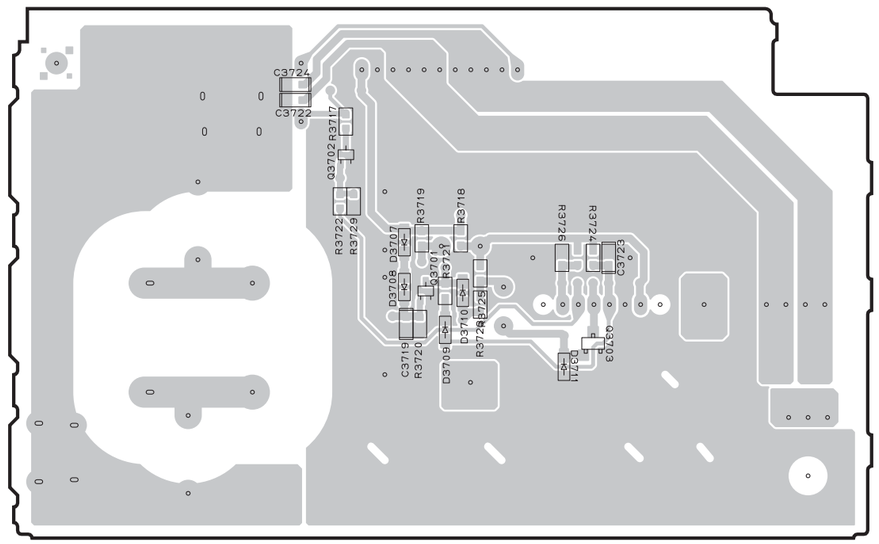
VIDEO (2) (Side B)



VIDEO (3) (Side B)

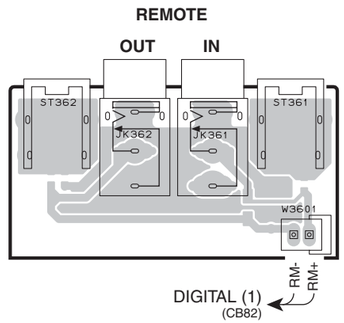


• Semiconductor Location

Ref no.	Location
D3702	D4
D3703	D4
D3706	E2
D3707	H4
D3708	H4
D3709	H4
D3710	H4
D3711	H4
D3712	B4
D3713	A4
D3714	B4
D3715	B4
Q3701	H4
Q3702	G3
Q3703	H4

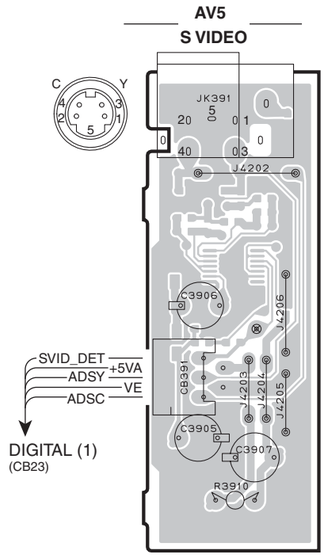
RX-V671/HTR-6064

VIDEO (4) (Side A)



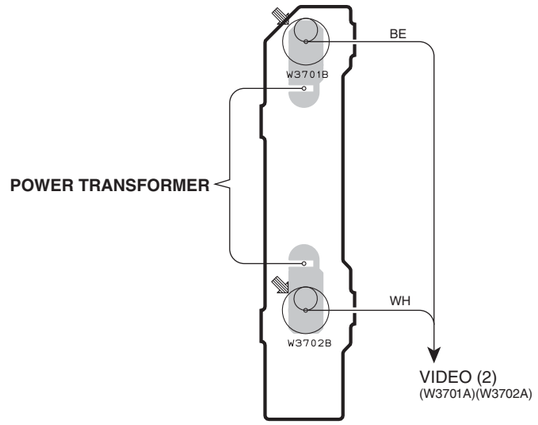
VIDEO (5) (Side A)

B, G, F models

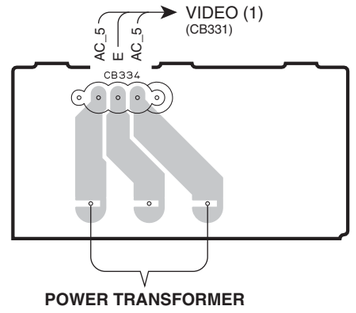


VIDEO (6) (Side A)

U, C, T, A, B, G, F, L models

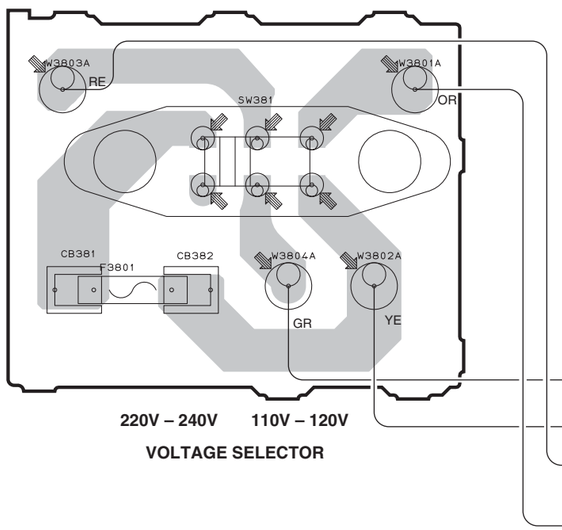


VIDEO (7) (Side A)



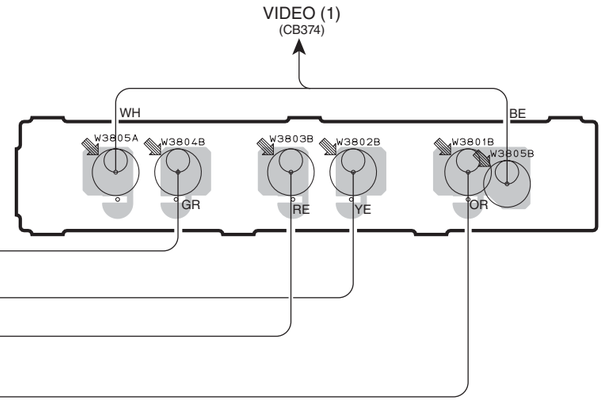
VIDEO (8) (Side A)

R, S models



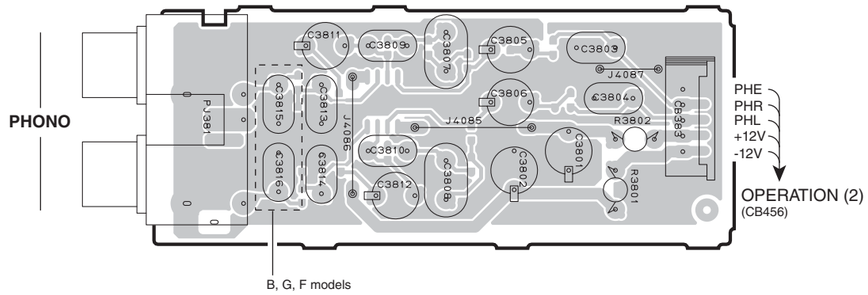
VIDEO (9) (Side A)

R, S models



VIDEO (10) (Side A)

R, T, A, B, G, F, L, S models



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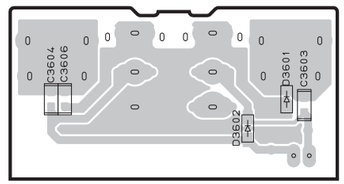
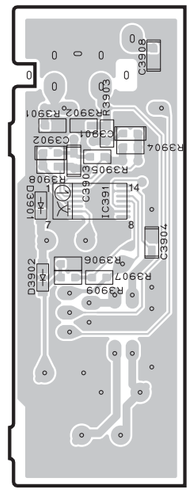
VIDEO (4) (Side B)



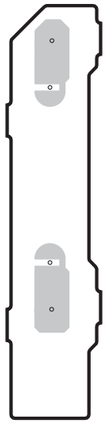
VIDEO (5) (Side A)

B, G, F models

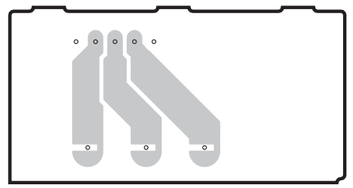


VIDEO (6) (Side B)

U, C, T, A, B, G, F, L models



VIDEO (7) (Side B)

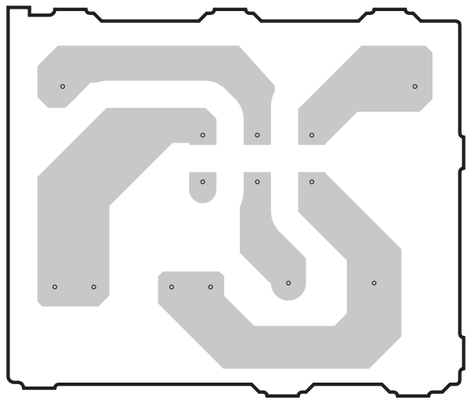


• Semiconductor Location

Ref no.	Location
D3601	B3
D3602	B3
D3801	I6
D3802	I6
D3901	D3
D3902	D3
IC381	H6
IC391	D3

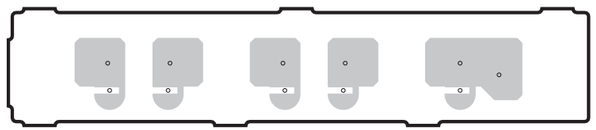
VIDEO (8) (Side B)

R, S models



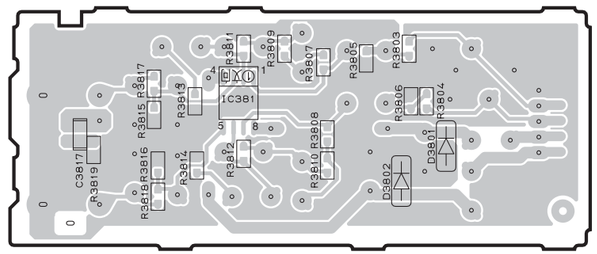
VIDEO (9) (Side B)

R, S models



VIDEO (10) (Side B)

R, T, A, B, G, F, L, S models



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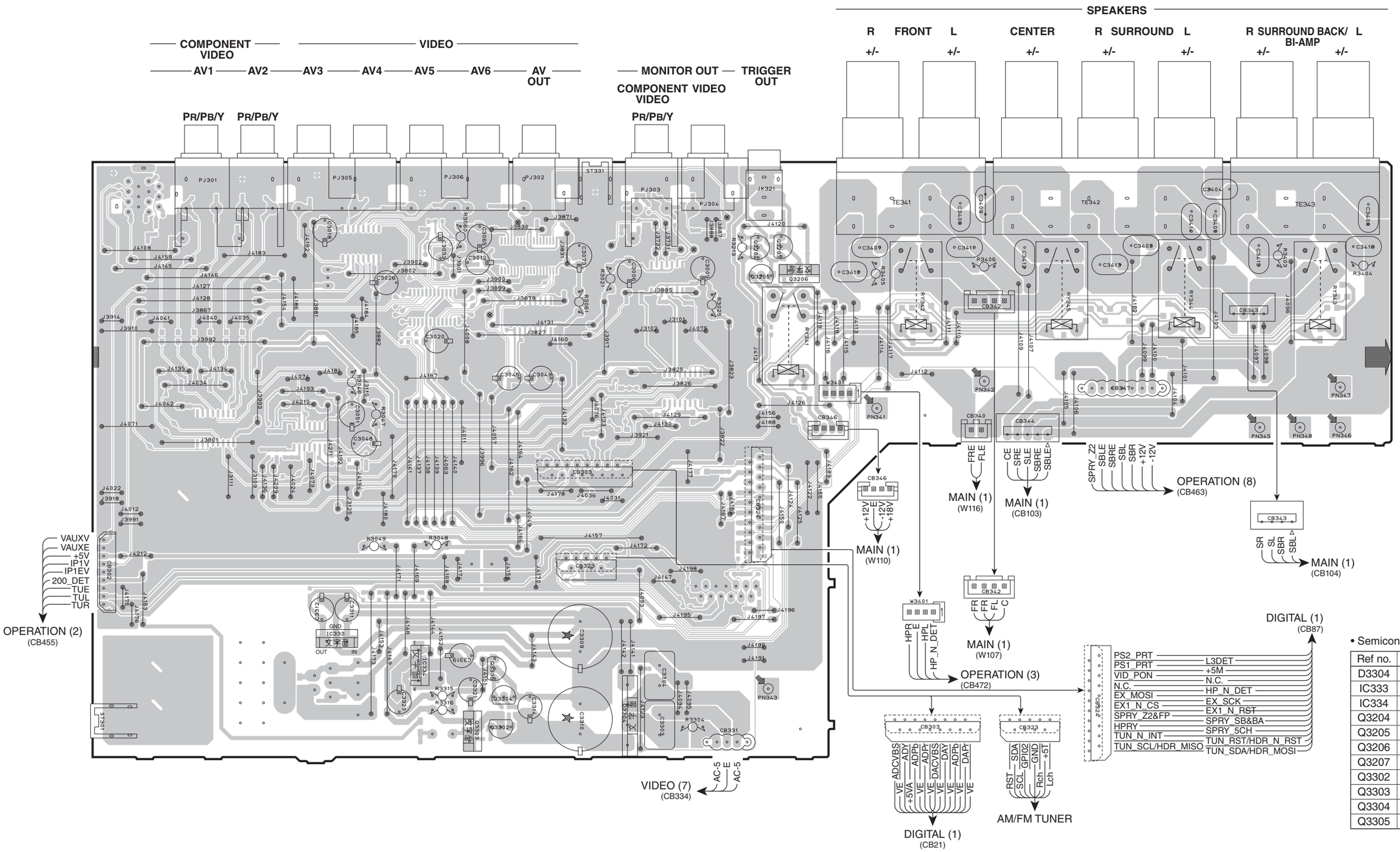
VIDEO (1) (Side A)



• Semiconductor Location

Ref no.	Location
D3304	E6
IC333	C6
IC334	D6
Q3204	F3
Q3205	F3
Q3206	F3
Q3207	F3
Q3302	D6
Q3303	D6
Q3304	D6
Q3305	D6

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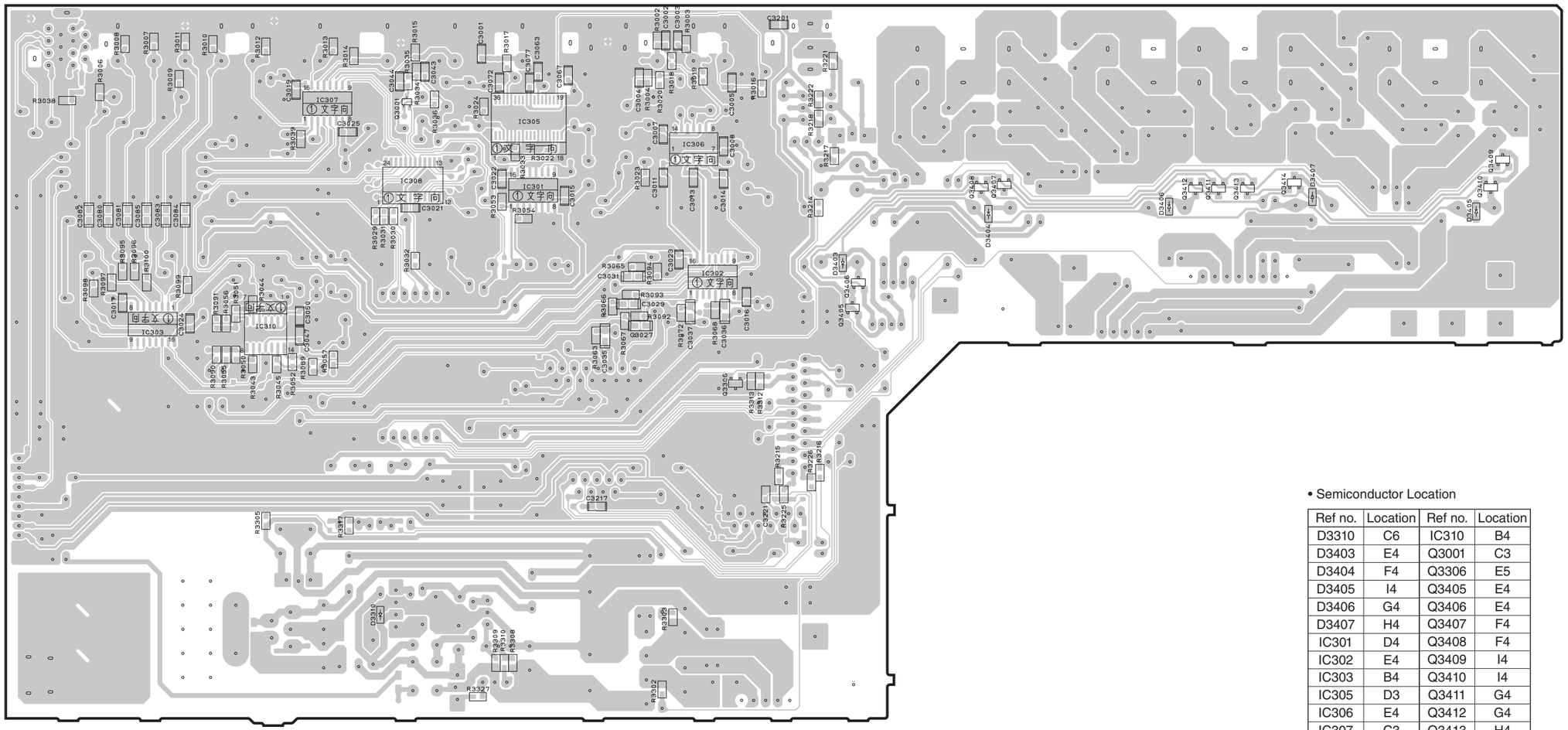
VIDEO (1) (Side B)

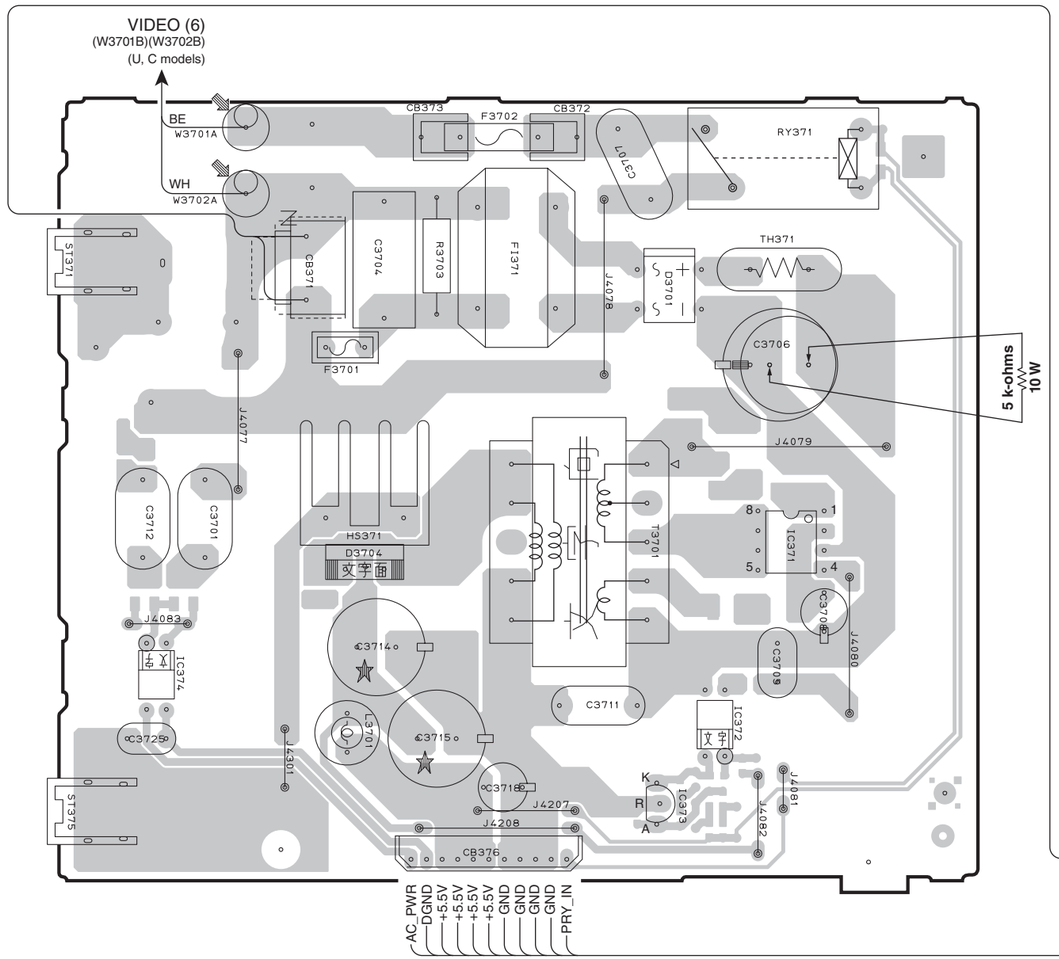


• Semiconductor Location

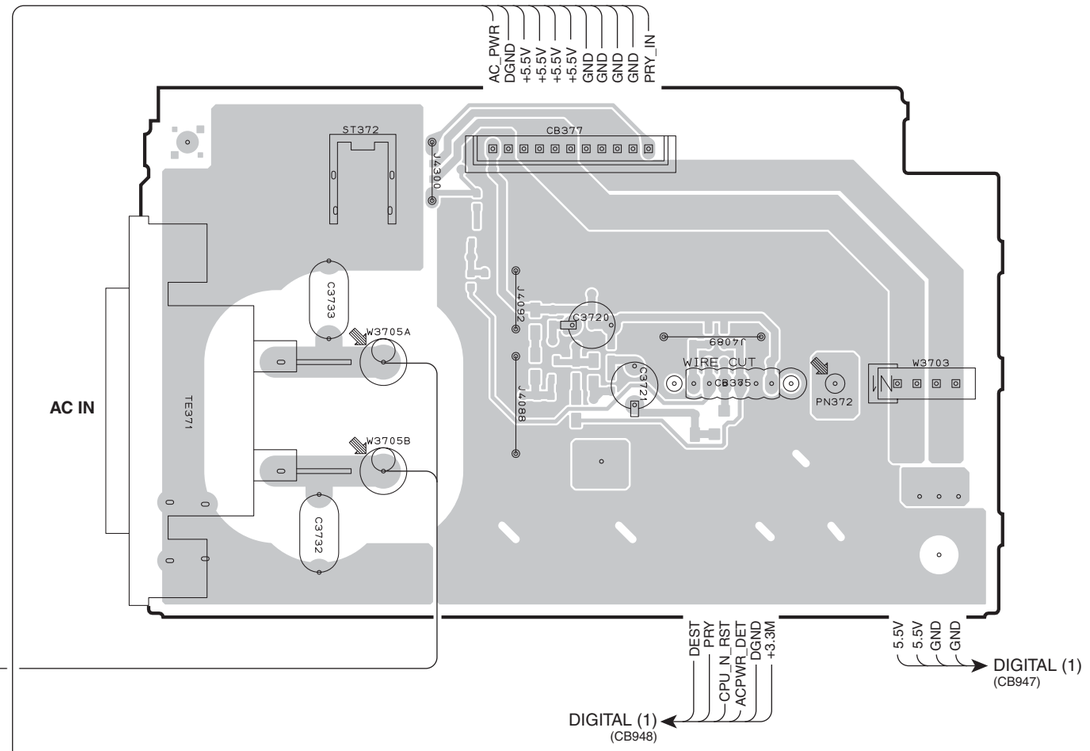
Ref no.	Location	Ref no.	Location
D3310	C6	IC310	B4
D3403	E4	Q3001	C3
D3404	F4	Q3306	E5
D3405	I4	Q3405	E4
D3406	G4	Q3406	E4
D3407	H4	Q3407	F4
IC301	D4	Q3408	F4
IC302	E4	Q3409	I4
IC303	B4	Q3410	I4
IC305	D3	Q3411	G4
IC306	E4	Q3412	G4
IC307	C3	Q3413	H4
IC308	C4	Q3414	H4

RX-A710

VIDEO (2) (Side A)



VIDEO (3) (Side A)



Notes)

Safety measures

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- Note that the capacitors indicated below are dangerous even after the power is turned off because an electric charge remains and a high voltage continues to exist there. Before starting any repair work, connect a discharging resistor (5 k-ohms/10 W) to the terminals of each capacitor indicated below to discharge electricity. The time required for discharging is about 30 seconds per each.
  C3706 on VIDEO (2) P.C.B.

• Semiconductor Location

Ref no.	Location
D3701	D3
D3704	C4
IC371	E4
IC372	D5
IC373	D5
IC374	B4

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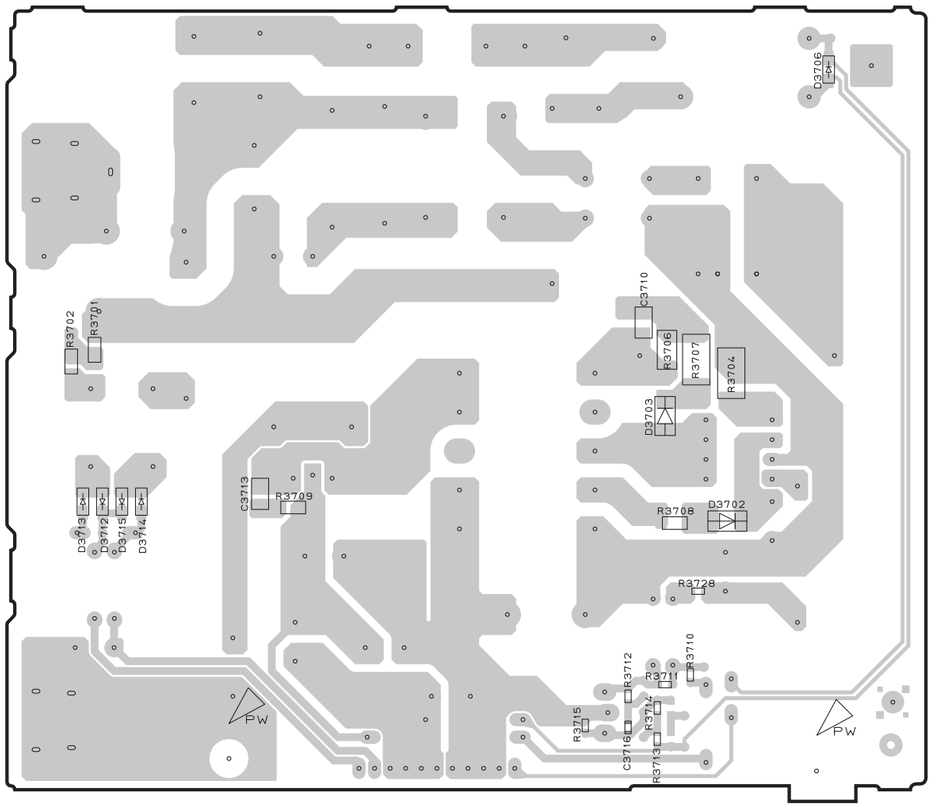
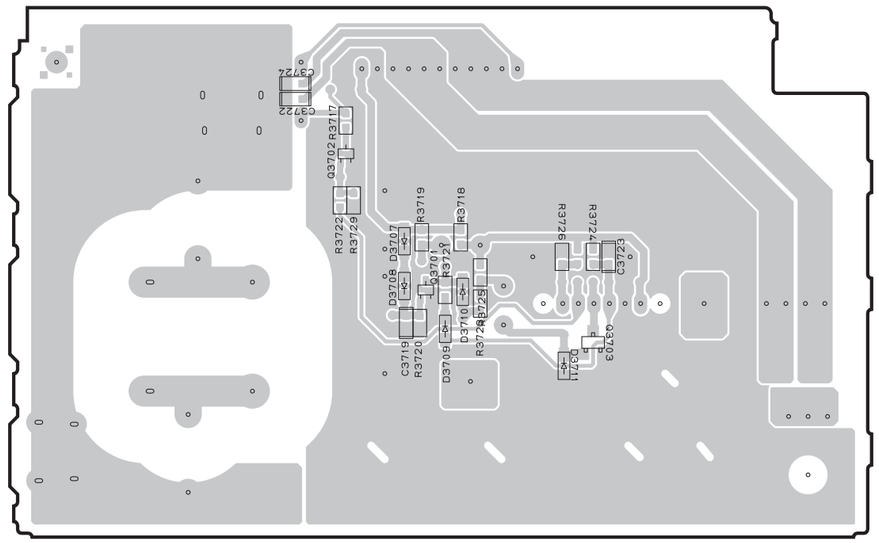
VIDEO (2) (Side B)



VIDEO (3) (Side B)



• Semiconductor Location

Ref no.	Location
D3702	D4
D3703	D4
D3706	E2
D3707	H4
D3708	H4
D3709	H4
D3710	H4
D3711	H4
D3712	B4
D3713	A4
D3714	B4
D3715	B4
Q3701	H4
Q3702	G3
Q3703	H4

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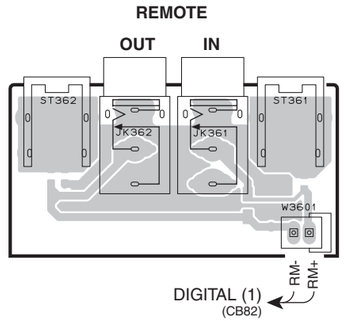
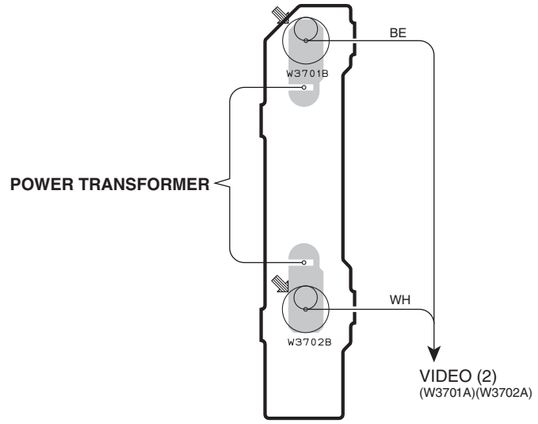
VIDEO (4) (Side A)

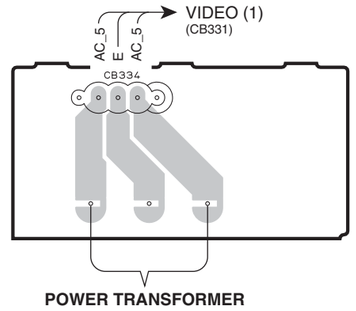


VIDEO (6) (Side A)

U, C models

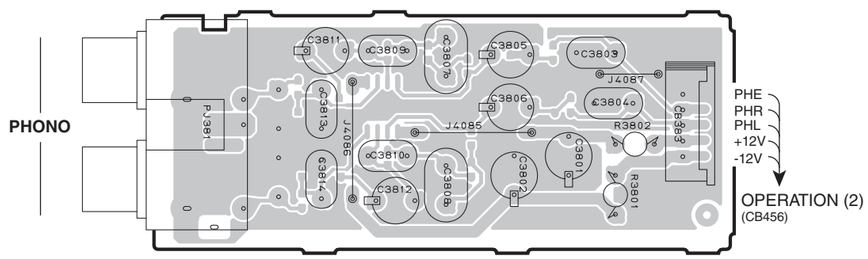


VIDEO (7) (Side A)



VIDEO (10) (Side A)

A model



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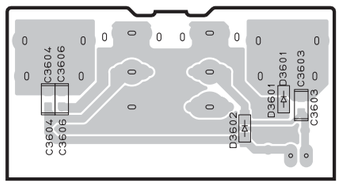
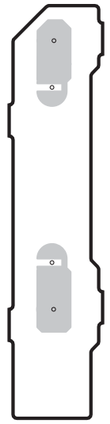
VIDEO (4) (Side B)

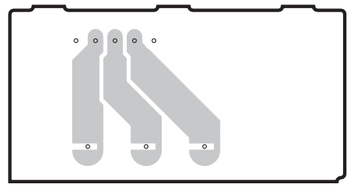


VIDEO (6) (Side B)

U, C models

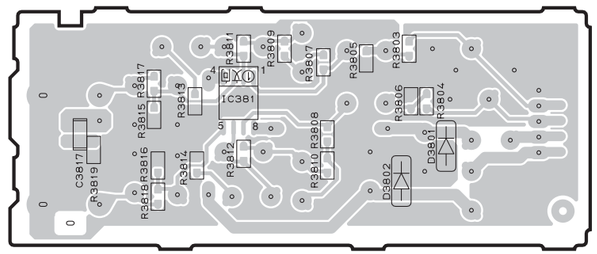


VIDEO (7) (Side B)



VIDEO (10) (Side B)

A model



• Semiconductor Location

Ref no.	Location
D3601	B3
D3602	B3
D3801	I6
D3802	I6
IC381	H6

■ SCHEMATIC DIAGRAMS

RX-V671/HTR-6064 | RX-A710

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V871-3071 only

HDMI IN-7
JAE VA6B : WW27170

HDMI 5 | HDMI 4 | HDMI 3 | HDMI 2 | HDMI 1 (BD/DVD)

HDMI IN-6 | HDMI IN-5 | HDMI IN-4 | HDMI IN-3 | HDMI IN-2 | HDMI IN-1 | HDMI IN-Front

105 ohm | 100 ohm

CEC

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
ⓘ	MICA CAPACITOR
◎	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

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

HDMI SWITCHER
IC2
SII9185ACTUG
SlaveAddr=0xD4, 0xE4
3.3V:57mA
1.8V:320mA

HDMI SWITCHER
IC1
SII9185ACTUG
SlaveAddr=0xD0, 0xE0
3.3V:57mA
1.8V:320mA

HDMI RECEIVER
HDMI Receiver
SII9233ACTUG
IC3
3.3V:378mA
1.2V:320mA

GPIO使用候補
GPO/XCL:
GPI/SCO:
GPO2/EXH:
GPO3/WTO:
GPIO4 :RX-CEC-RY1
GPIO5 :RX-CEC-RY2
GPI6/DL3/SHT1-PON
GPI7/DR3/SHT2-PON

Local I2C add
Low :0x60/68
High:0x62/6A

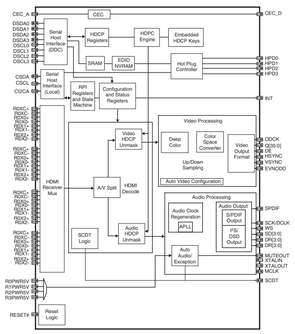
No replacement part available.

DIGITAL (1)

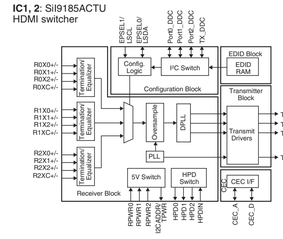
To 003.sht (Scaler)
To 004.sht (FPGA)
to DIGITAL 3/8

to DIGITAL 4/8
To 005.sht (HDMI_Tx)
To 006.sht (A-com)
to DIGITAL 5/8
To 002.sht (VDEC/ENC)
To 003.sht (SCALER)
To 004.sht (FPGA)
to DIGITAL 2/8, 3/8

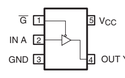
IC3: SiI9233ACTU
HDMI receiver



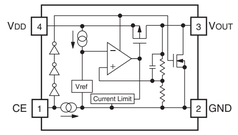
IC1, 2: SiI9185ACTU
HDMI switcher



IC4: TC7SH125FU
Bus buffer

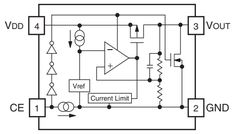


IC5: RP130Q121D-TR-F
Voltage regulator



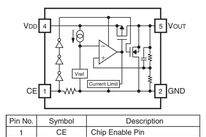
Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

IC6: RP130Q501D-TR-F
Voltage regulator



Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

IC7: R1172H121D-T1-F
CMOS-based positive-voltage regulator IC



Pin No.	Symbol	Description
1	CE	Chip Enable Pin
2	GND	Ground Pin
3	NC	No Connection
4	VDD	Input Pin
5	VOUT	Output Pin of Voltage Regulator

Sheet1:HDMI Rx

IC/CB/XL:1-300
OHTER :1-300

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

RX-V671/HTR-6064 | RX-A710

DIGITAL 2/8

Page 143 C3
to VIDEO (5)_CB391
(B, G, F models)

Page 141 K9 RX-V671/HTR-6064
to VIDEO (1)_CB303

Page 144 K9 RX-A710
to VIDEO (1)_CB303

S-Video

DIGITAL (1)

from sheet1 (HDMI)

VIDEO ENCODER
IC22
ADV7172KSTZ
VIDEO ENCODER
I2C Addr ALBS=H: D8h/D7h
3.3V : 65mA

VIDEO DCODER
Video Decoder
ADV7181CBSTZ
IC21
3.3V : 204mA
1.8V : 116mA
I2C Addr
ALBS=L:0x40/0x20
ALBS=H:0x42/0x22

Sheet2:VDEC/VENC

IC/CB/XL:20-29
OHTER :200-350
TP :200-350

to DIGITAL 5/8
to sheet6 (u-com)
to DIGITAL 3/8
to sheet4 (FPGA)
to DIGITAL 1/8
to sheet1 (HDMI Rx)

VIDEO AUX
HDMI IN
HDMI IN-FrontPanel

DIGITAL (2)

HDMI Support JIG
WU06290

No replacement part available.

HDMI SWITCHER
IC31
MDS141
3.3V:130mA

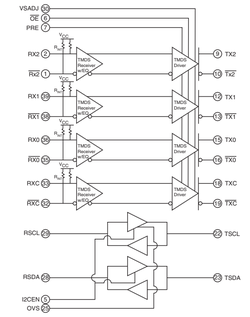
Page 127 L1
to DIGITAL (1)_CB10

DIGITAL (3) no_use

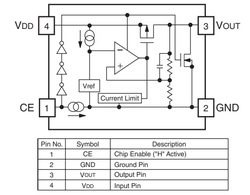
RX-A810, RX-V1071以上

IC/CB/XL:30-39
OHTER :351-399
TP :351-399

IC31: TMDS141RHAR
HDMI switch

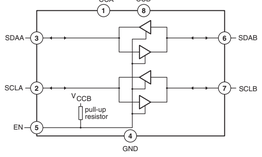


IC33: RP130Q331D-TR-F
Voltage regulator

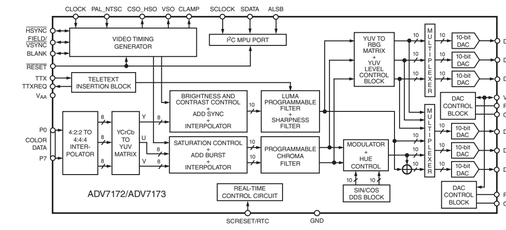


Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

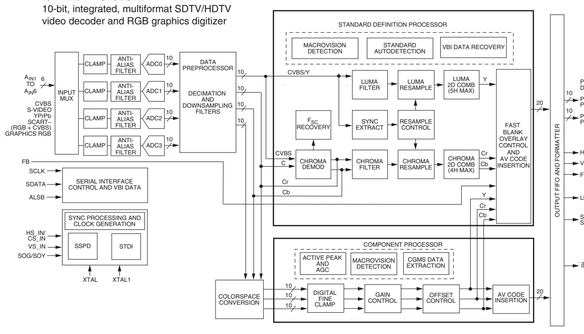
IC34: PCA9517DP
Level translating I²C-bus repeater



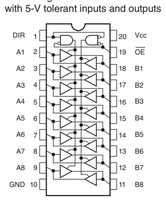
IC22: ADV7172KSTZ
Digital PAL/NTSC video encoder



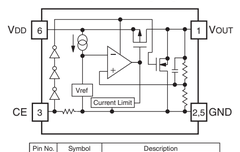
IC21: ADV7181CBSTZ
10-bit, integrated, multiformat SDTV/HDTV video decoder and RGB graphics digitizer



IC23-25: TC74LCX245FT
Low voltage octal bus transceiver with 5-V tolerant inputs and outputs

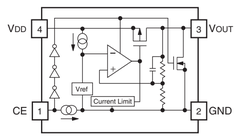


IC26: R1172S331D-E2-F
CMOS-based positive-voltage regulator IC



Pin No.	Symbol	Description
1	VOUT	Output Pin
2, 5	GND	Ground Pin
3	CE	Chip Enable Pin ("H" Active)
4	NC	No Connection
6	VDD	Input Pin

IC27: RP130Q181D-TR-F
Voltage regulator



Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

CAPACITOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊘	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
◉	CERAMIC TUBULAR CAPACITOR
◎	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
ⓘ	MICA CAPACITOR
Ⓟ	POLYPROPYLENE FILM CAPACITOR
◉	SEMICONDUCTIVE CERAMIC CAPACITOR

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

NOTICE (model)
(U)····· JAPAN
(U)····· U.S.A
(C)····· CANADA
(R)····· GENERAL
(T)····· CHINA
(K)····· KOREA
(A)····· AUSTRALIA
(B)····· BRITISH
(G)····· EUROPE
(L)····· SINGAPORE
(E)····· SOUTH EUROPE
(V)····· TAIWAN
(F)····· RUSSIAN
(P)····· LATIN AMERICA
(S)····· BRAZIL
(H)····· THAI

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

RX-V671/HTR-6064 | RX-A710

DIGITAL 3/8

NOTICE (model)
- [J] ····· JAPAN
- [U] ····· U.S.A
- [C] ····· CANADA
- [R] ····· GENERAL
- [T] ····· CHINA
- [K] ····· KOREA
- [A] ····· AUSTRALIA
- [B] ····· BRITISH
- [G] ····· EUROPE
- [L] ····· SINGAPORE
- [E] ····· SOUTH EUROPE
- [V] ····· TAIWAN
- [F] ····· RUSSIAN
- [P] ····· LATIN AMERICA
- [S] ····· BRAZIL
- [H] ····· THAI

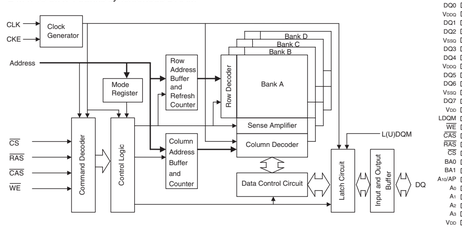
RESISTOR

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

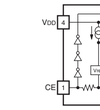
REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	日
⊗	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	日
◉	CERAMIC TUBULAR CAPACITOR	
◎	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	日
①	MICA CAPACITOR	
⑥	POLYPROPYLENE FILM CAPACITOR	
●	SEMICONDUCTIVE CERAMIC CAPACITOR	

IC52: M12L128168A-5TG2T
2 M x 16-bit x 4 banks synchronous DRAM



IC53: TC7SH125FU
Bus buffer

IC54: R1172H121D-T1-F
CMOS-based positive-voltage regulator IC



Pin No.	Symbol	Description
1	CE	Chip Enable Pin
2	GND	Ground Pin
3	NC	No Connection
4	VDD	Input Pin
5	VOUT	Output Pin of Voltage Regulator

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
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★ Schematic diagram is subject to change without notice.

RX-V671/HTR-6064 | **RX-A710**

DIGITAL 4/8

HDMI OUT

HDMI OUT1 JAE — C861 DC1R019JAXR190

HDMI OUT2 JAE — C862 — V771-3071 only

Differential Impedance: 105 ohm

+5V Power Signal +5.0V for CEC

HDMI TRANSMITTER

IC61 SIL9134CTU

HDMI Transmitter

3.3V:5mA
1.8V:276mA

SlaveAddr(LOW)=0x72, 0x7A

IC62

HDMI Transmitter

3.3V:5mA
1.8V:276mA

SlaveAddr(HIGH)=0x76, 0x7E

Rext:698ohm

IC64 TC74VHC157FT

Vcc: 2.0 – 5.5V
ViH: > 0.7*Vcc
ViL: < 0.3*Vcc

/ST	SEL	I=O
L	L	Y=A
L	H	Y=B
H	X	HiZ

IC65 NJM2888F05

IC66

IC67

IC68 TC7WHU04FU

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
	MICA CAPACITOR
	POLYPROPYLENE FILM CAPACITOR
	SEMICONDUCTIVE CERAMIC CAPACITOR

NOTICE (model)
(J)····· JAPAN
(U)····· U.S.A
(C)····· CANADA
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(V)····· TAIWAN
(F)····· RUSSIAN
(P)····· LATIN AMERICA
(S)····· BRAZIL
(H)····· THAI

To 001.sht (HDMI RX) to DIGITAL 1/8

To 006.sht (u-com) to DIGITAL 5/8

To 009.sht (DSP) to DIGITAL 8/8

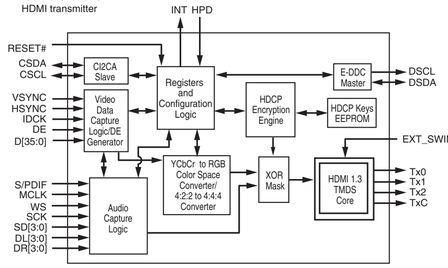
To 004.sht (FPGA) to DIGITAL 3/8

IC/CB/XL:60-79
OHTER :600-799
TP :600-799

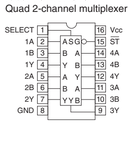
Sheet5:HDMI Tx

DIGITAL (1)

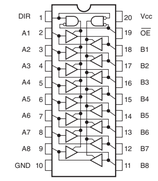
IC61: Sil9134CTU
HDMI transmitter



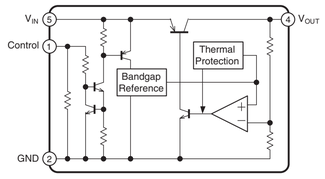
IC63: TC74VHC157FT
Quad 2-channel multiplexer



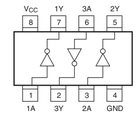
IC64: TC74LCX245FT
Low voltage octal bus transceiver
with 5-V tolerant inputs and outputs



IC65: NJM2888F05
Low dropout voltage regulator



IC68: TC7WHU04FU
Triple inverter



★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

RX-V671/HTR-6064 | RX-A710

DIGITAL 5/8

NOTICE (model)
(J)····· JAPAN
(U)····· U.S.A
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(E)····· SOUTH EUROPE
(V)····· TAIWAN
(F)····· RUSSIAN
(P)····· LATIN AMERICA
(S)····· BRAZIL
(H)····· THAI

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	
	MICA CAPACITOR	
	POLYPROPYLENE FILM CAPACITOR	
	SEMICONDUCTIVE CERAMIC CAPACITOR	

to 003.sht (FPGA)

to DIGITAL 1/8 to 001.sht (HDMI Rx)
to DIGITAL 2/8 to 002.sht (Video Dec/Enc)
to 003.sht (SCALER)
to DIGITAL 3/8 to 004.sht (FPGA)
to DIGITAL 4/8 to 005.sht (HDMI Tx)
to DIGITAL 7/8 to 008.sht(DSP)
to DIGITAL 6/8 to 007.sht(NET/USB)
to DIGITAL 8/8 to 009.sht(Dock)

MICROPROCESSOR

IC81
YC99940
R5F6416M4DFE

No replacement part available.

to 232C
to VIDEO
to NSD
to Vx071 FUNC
to MAIN
to VIDEO
to OPE(1)

Page 140 K7 to MAIN (1)_CB156

Page 142 M5 RX-V671/HTR-6064 to VIDEO (1)_CB324

Page 145 M5 RX-A710 to VIDEO (1)_CB324

RX-V671/HTR-6064
Page 136 F1 to OPERATION (10)_CB494 (R, T, A, B, G, F, L, S models)
Page 136 F1 to OPERATION (9)_CB491 (U, C models)

RX-A710
Page 138 G2 to OPERATION (10)_CB494 (A model)
Page 138 G3 to OPERATION (9)_CB491 (U, C models)

Page 143 C2 RX-V671/HTR-6064 to VIDEO (4)_W3601
Page 146 C2 RX-A710 to VIDEO (4)_W3601

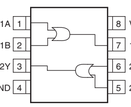
Page 135 G9 RX-V671/HTR-6064 to OPERATION (1)_CB401
Page 137 E9 RX-A710 to OPERATION (1)_CB401

DIGITAL (1)
80~99
800~999

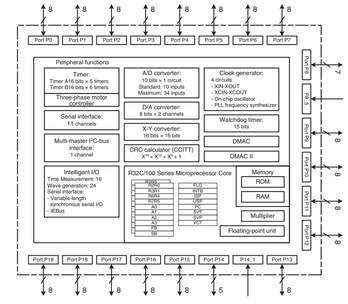
(Writing port)

to Programmer
to Ea

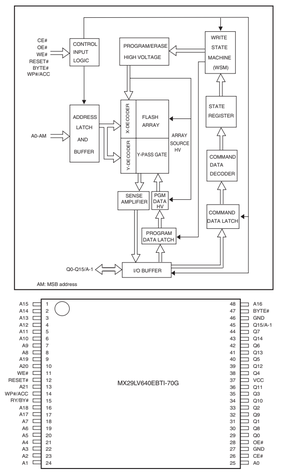
IC80, 96: TC7WZ32FK (TE85L, F)
Dual 2-input OR gate



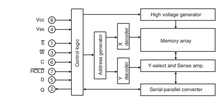
IC81: R5F6416MADFE
Single chip 32-bit microprocessor



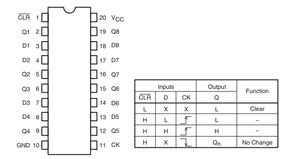
IC82: MX29LV640EBTI-70G
64 M-bit single voltage 3 V only flash memory



IC83: R1EX25512ATA00A
64 K word x 8-bit serial peripheral interface EEPROM

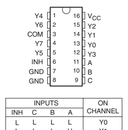


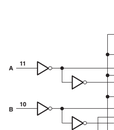
IC84, 85: TC74VHC273FT (EL,K)
Octal D-type flip-flop with clear



Inputs			Output	Function
CLR	D	CK	Q	
L	X	X	L	Clear
H	L	↑	L	–
H	H	↑	H	–
H	X	L, H	Q_0	No Change

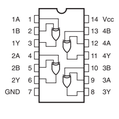
IC89: SN74LV4051APWR
8-channel analog multiplexers/demultiplexers





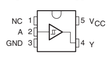
INPUTS				ON CHANNEL
INH	C	B	A	
L	L	L	L	Y0
L	L	L	H	Y1
L	L	H	L	Y2
L	L	H	H	Y3
L	H	L	L	Y4
L	H	L	H	Y5
L	H	H	L	Y6
L	H	H	H	Y7
H	X	X	X	None

IC91: TC74VHC86FT (EL)
Quad exclusive OR gate



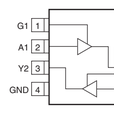
A	B	Y
L	L	L
L	H	H
H	L	H
H	H	L

IC92: SN74LVC1G17DCKR
Single schmitt-trigger buffer

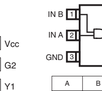


INPUT A	OUTPUT Y
H	H
L	L

IC93: TC7WH126FU
Dual bus buffer

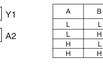


IC94: TC7SET08FU
2 input AND gate

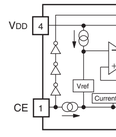


A	B	Y
L	L	L
L	H	L
H	L	L
H	H	H

IC95: TC7SH08FU
2-input AND gate

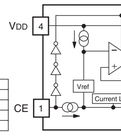


IC97, 98: RP130Q331D-TR-F
Voltage regulator



Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

IC99: RP130Q501D-TR-F
Voltage regulator



Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

DIGITAL 6/8

DIGITAL (1)

NET/USB +3.3V

NET/USB +1.2V

SDRAM

CPLD Configuration

NETWORK MICROPROCESSOR

SERIAL FLASH

CPLD IC907 LC4032ZE-7TN48C

Clock IC

EEPROM

Apple CoProcessor

APPLE COPROCESSOR

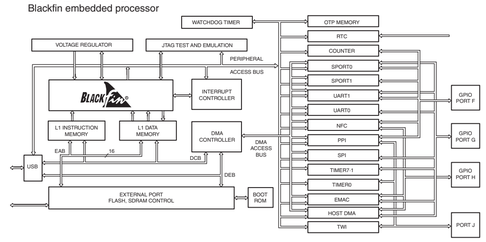
ETHERNET PHY IC906 KSZ8051RNL

NETWORK

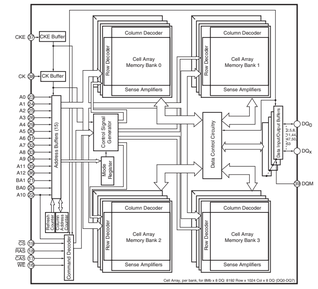
DEBUG

No replacement part available.

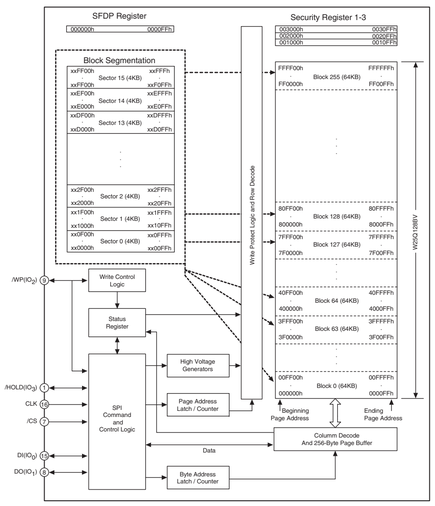
IC901: ADSST-DR-11Z
Blackfin embedded processor



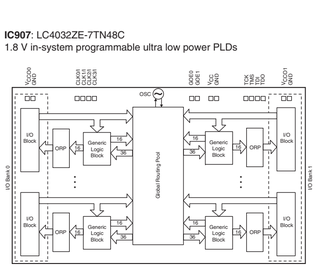
IC902, 903: NT5SV32M8CS-6K
256 Mb x 8 SDRAM



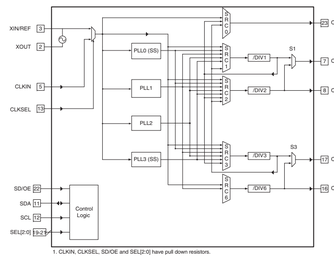
IC904: W25Q128BVFIG
128 M-bit serial flash memory



IC907: LC4032ZE-7TN48C
1.8 V in-system programmable ultra low power PLDs

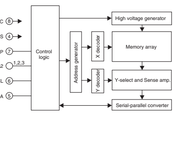


IC908: 5V49EE503-027NLGI8
Clock synthesizer

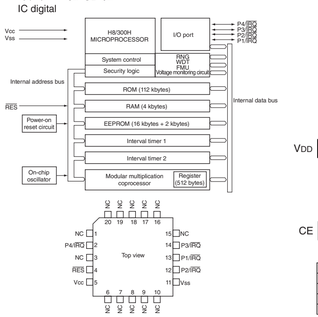


1. CLKIN, CLKSEL, SDIOE and SEL[2:0] have pull down resistors.

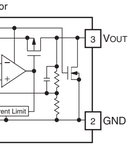
IC909: R1EX24128BTAS0A
16 K word x 8-bit I2C interface EEPROM



IC910: MFI341S2164
IC digital

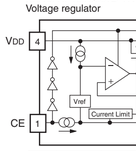


IC914: RP130Q181D-TR-F
Voltage regulator



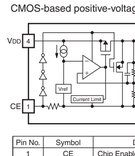
Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

IC915: RP130Q501D-TR-F
Voltage regulator



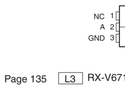
Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

IC916: R1172H121D-T1-F
CMOS-based positive-voltage regulator IC



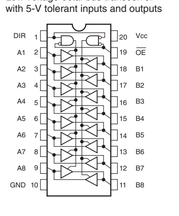
Pin No.	Symbol	Description
1	CE	Chip Enable Pin
2	GND	Ground Pin
3	NC	No Connection
4	VDD	Input Pin
5	VOUT	Output Pin of Voltage Regulator

IC917: SN74LVC1G17DCKR
Single schmitt-trigger buffer



INPUT A	OUTPUT Y
H	H
L	L

IC905: TC74LCX245FT
Low voltage octal bus transceiver with 5-V tolerant inputs and outputs



NOTICE (model)
(J)····· JAPAN
(U)····· U.S.A
(C)····· CANADA
(A)····· GENERAL
(T)····· CHINA
(K)····· KOREA
(A)····· AUSTRALIA
(B)····· BRITISH
(G)····· EUROPE
(L)····· SINGAPORE
(E)····· SOUTH EUROPE
(V)····· TAIWAN
(F)····· RUSSIAN
(P)····· LATIN AMERICA
(S)····· BRAZIL
(H)····· THAI

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
Ⓘ	MICA CAPACITOR
◎	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

Page 135 L3 RX-V671/HTR-6064 to OPERATION (11)_W4482

Page 137 M7 RX-A710 to OPERATION (11)_W4482

DIGITAL 7/8

Destination Part List				
$xx	LOC	U	ORTALS	BSF
s21	CB23	x	x	VSD4410 52044
s22	JJ01	x	x	RD45000 0
s61	IC94	XB39B40 TC75S08FU	x	x
s62	IC95	XM6B040 TC75W08FU	x	x
s63	R974	RD45433 33	x	x
s64	RB40	RD45433 33	x	x
s65	RB89	RD45810 100K	x	x
s91	R9421	RD45410 10	x	x
s92	R9422	RD45810 100K	x	x
s93	G9402	WK78190 DTA043EUBTL	x	x
s94	G9401	WK78230 DTC144EUBTL	x	x

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

RESISTOR	
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
☑	CARBON FILM RESISTOR (P=1)
△	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
ⓘ	MICA CAPACITOR
ⓟ	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

to DIGITAL 5/8 — to 006.sht(u-com)

to DIGITAL 6/8 — to 007.sht(NET)

from V-AUX

to DIGITAL 8/8

to 009.sht(DOCK)

to 005.sht(HDMI Tx)
to DIGITAL 4/8

DIGITAL IN

ANALOG IN

DIR

DSP

SDRAM

FLASH MEMORY

SBL/SBR SL/SR C/SW FL/FR

No replacement part available.

DIGITAL (1) DIGITAL8:DIR1&DSP1

IC924: PCM9210PTR
216-kHz digital audio interface transceiver (DIX) with stereo ADC and routing

IC923: MX29LV160DBTI-70G
16 M-bit 3 V supply flash memory

IC921: D70YE101BRFP266
Floating-point digital signal processors

IC922: M12L64164A-5TG
1M x 16-bit x 4 banks synchronous DRAM

IC926: TC7WZ32FK (TE85L, F)
Dual 2-input OR gate

IC928, 932: TC7SH08FU
2-input AND gate

IC929: R1172H121D-T1-F
CMOS-based positive-voltage regulator IC

Pin No.	Symbol	Description
1	CE	Chip Enable Pin
2	GND	Ground Pin
3	NC	No Connection
4	VDD	Input Pin
5	VOUT	Output Pin of Voltage Regulator

IC930: RP130Q331D-TR-F
Voltage regulator

Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

IC931: RP130Q501D-TR-F
Voltage regulator

Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

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★ 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.

RX-V671/HTR-6064 | RX-A710

DIGITAL 8/8

DOCK

to DOCK1

EARTH
DOCK_ID
VCC_SUB
ACCSW
RX
ACCPOW
RSENS
AUDRET
TX
CVBS
SY
SC
AUDIO R
AUDIO L
DGND
REC/PLAY
CVBSGND
SGND
APDET
ACCDET
PWR GND
PWR

L9409 BLM21PG600SN1D
L9411 BLM21PG600SN1D
PN941 PN942 PN943 PN944 PN945 no_use
#18 L=90: WS48850

IPR RSENS IPE IPL IPV IPSY IPSC IPVE

DK1_ID DK1_MISO DK1_AP DK1_MOSI DK1_N_IPDET

VCC_SUB +5DK +5.5V +1.8D +3.3D +3.0SP

R1172H501D-T1-F IC946
R1172N501D-TR-F IC948
UAW_PON PS2_PRT DK1_PON

to DIGITAL2

ACPWR_DET PRY DEST PSW_DET MCPU_N_RST MCPU_N_CS

(for service) to FA TEST

CB949 PH1

to VIDEO(2) <ACDC>

Page 143 J9 RX-V671/HTR-6064
to VIDEO (3)_CB375

Page 146 K9 RX-A710
to VIDEO (3)_CB375

DAC

IC941 PCM1781DBQR
FMT DEMP0 DEMP1 MUTE SCK DATA BCK LRCK ZEROA VOUTL VOUTR VCOM AGND VCC NC TEST

MT_DAC_Z NCPU_MCK2 NCPU_SDO2 NCPU_BCK2 NCPU_WCK2

L9401 BKP1005HS680-T

IC943 IC944 BD9329AEFJ

No replacement part available.

U only

DTA043EUBTL DTC044EUBTL

MODEL SR_PON MT_5CH (MT_MZ) MT_SB (MT_SB_MI) I_PRT

DIGITAL IN ANALOG IN CENTER/ SUBWOOFER FRONT L SURROUND BACK L SURROUND L

ACPWR_DET PRY PSW_DET MCPU_N_RST DEST MODEL DK1_PON UAW_PON PS2_PRT I_PRT MT_SB MT_5CH SR_PON SR_MOSI5 SR_MISO5 DK1_N_IPDET DK1_MOSI DK1_AP DK1_MISO DK1_ID ADC_N_RST AVOUT_D AV1_D AV2_D AV3_D AV4_D AUDIO1_D AUDIO2_D DIR_BCK DIR_WCK AD_SDO AD_L AD_R DA_SD_CSW DA_WCK DA_BCK DA_SD_F DA_MCK DA_SD_SB DA_SD_SR DA_SD_SW2 DA_SD_FP DA_SD_RP DAC_N_CS DSP_SCK_B DSP_MOSI_B DAC_N_CS_FP DAC_N_CS_SW DAC_N_RST_F DAC_N_RST DAC_MUTE_SW DAC_MUTE_FP DAC_MUTE_RP MT_DAC_Z NCPU_MCK2 NCPU_SDO2 NCPU_BCK2 NCPU_WCK2 +3.3D_PON USB_PWR

to 006.sht(u-com)
to DIGITAL 5/8

to 008.sht(DSP)
to DIGITAL 7/8

to 007.sht(BF)
to DIGITAL 6/8

USB Bus Power

L9408 BLM21PG600SN1D
+5.15V +5USB
R1172H501D-T1-F IC945
VDD VOUT NC GND CE=ON

CB943

SR_MOSI5 SR_MISO5 IPL RSENS IPR IPE IPV IPVE IPSY IPSC DGND D_OUT AV1_D AV2_D AV3_D AV4_D AUDIO1_D AUDIO2_D +5DSP

CB944

AD_BCK NC AD_WCK NC AD_SDO NC +5A Z2_ADL AD_L Z2_ADR AD_R ADE NETL NETE NETR 3071:NC 671-2071:+3.3DSP 3071:ADC_N_RST 671-2071:+3.3DSP

DIR_BCK DIR_WCK AD_SDO AD_L (Z2_ADL) AD_R (Z2_ADR)

ADC_N_RST DA_SD_CSW DA_WCK DA_BCK DA_SD_F DA_MCK

CB945

DA_SD_SB DA_SD_SR DA_SD_SW2 DA_SD_FP DA_SD_RP DGND SR_PON5 DAC_N_CS DSP_SCK_B DSP_MOSI_B DAC_N_CS_FP DAC_N_CS_SW DAC_N_RST_F DAC_N_RST DAC_MUTE_SW DAC_MUTE_FP MODEL MT_5CH (MT_MZ) MT_SB (MT_SB_MI) R-200_DET

DA_SD_SB DA_SD_SR DA_SD_SW2 DA_SD_FP DA_SD_RP DAC_N_CS DSP_SCK_B DSP_MOSI_B DAC_N_CS_FP DAC_N_CS_SW DAC_N_RST_F DAC_N_RST DAC_MUTE_SW DAC_MUTE_FP

CB946

+5USB DGND

CB947

0.1/10(BJ) DGND +5.5V

CB950

VHL no_use

671-871 to VIDEO(2) 1071-3071 to POWER(1)

671-871 to OPE(7) 1071-3071 to OPE(2)

671-2071 to OPE(2) 1071-2071 to DAC(1)

Page 136 D4 RX-V671/HTR-6064
to OPERATION (2)_CB459

Page 138 D4 RX-A710
to OPERATION (2)_CB459

Page 136 F4 RX-V671/HTR-6064
to OPERATION (2)_CB460

Page 138 F4 RX-A710
to OPERATION (2)_CB460

Page 136 I4 RX-V671/HTR-6064
to OPERATION (2)_CB461

Page 138 J4 RX-A710
to OPERATION (2)_CB461

Page 135 L2 RX-V671/HTR-6064
to OPERATION (11)_W4481

Page 137 M6 RX-A710
to OPERATION (11)_W4481

Page 143 J10 RX-V671/HTR-6064
to VIDEO (3)_W3703

Page 146 K10 RX-A710
to VIDEO (3)_W3703

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	H
NO MARK	CERAMIC CAPACITOR	H
✱	CERAMIC TUBULAR CAPACITOR	H
◎	POLYESTER FILM CAPACITOR	H
○	POLYSTYRENE FILM CAPACITOR	H
Ⓒ	MICA CAPACITOR	H
Ⓟ	POLYPROPYLENE FILM CAPACITOR	H
●	SEMICONDUCTIVE CERAMIC CAPACITOR	H

NOTICE (model)

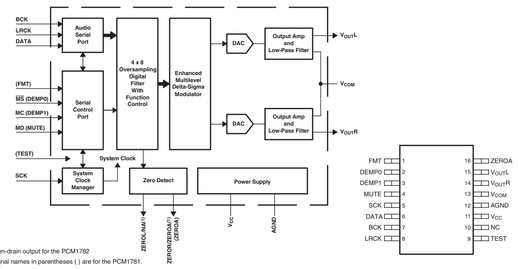
(J)····· JAPAN
(U)····· U.S.A
(C)····· CANADA
(G)····· GENERAL
(T)····· CHINA
(K)····· KOREA
(A)····· AUSTRALIA
(B)····· BRITISH
(G)····· EUROPE
(L)····· SINGAPORE
(E)····· SOUTH EUROPE
(V)····· TAIWAN
(F)····· RUSSIAN
(P)····· LATIN AMERICA
(S)····· BRAZIL
(H)····· THAI

DIGITAL (1)

DIGITAL9:DOCK

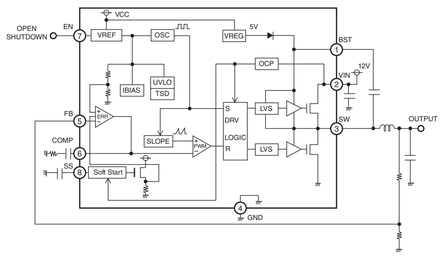
★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

IC941: PCM1781DBQR
Audio digital-to-analog converter

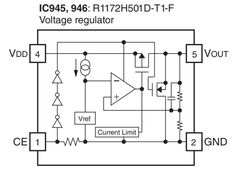


(1) Open-drain output for the PCM1782
NOTE: Signal names in parentheses ( ) are for the PCM1781.

IC943, 944 : BD9329AEFJ-E2
1ch step-down DC/DC converter

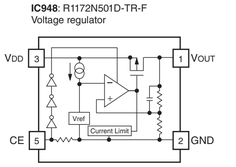


IC945, 946: R1172H501D-T1-F
Voltage regulator



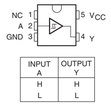
Pin No.	Symbol	Description
1	CE	Chip Enable Pin ("H" Active)
2	GND	Ground Pin
3	NC	No Connection
4	VDD	Input Pin
5	VOUT	Output Pin

IC948: R1172N501D-TR-F
Voltage regulator



Pin No.	Symbol	Description
1	VOUT	Output Pin
2	GND	Ground Pin
3	VDD	Input Pin
4	NC	No Connection
5	CE	Chip Enable Pin ("H" Active)

IC949: SN74LVC1G17DCKR
Single schmitt-trigger buffer



INPUT A	OUTPUT Y
H	H
L	L

OPERATION 1/2

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
Ⓘ	MICA CAPACITOR
Ⓟ	POLYPROPYLENE FILM CAPACITOR
◉	SEMICONDUCTIVE CERAMIC CAPACITOR
Ⓢ	POLYPHENYLENE SULFIDE FILM CAPACITOR

NOTICE (model)
(J)····· JAPAN
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(S)····· BRAZIL
(H)····· THAI

OPE(11) 4481-4500 446-450 → Page 134 M8 to DIGITAL (1)_CB951

USB → Page 132 K8 to DIGITAL (1)_CB902

OPERATION (11)

OPERATION (3)

OPE(3) 4411-4420 471-480 CB472 → Page 142 B4 to VIDEO (1)_W3401

PHONES SILENT CINEMA

OPERATION (7)

OPE(7)

OPE(6)

OPERATION (6)

OPE(5) 4401-4410 471-480

OPERATION (5)

PURE DIRECT indicator

OPE(1) 4001-4100 401-445

OPERATION (1)

YPAO MIC

OPE(4) 4421-4450 471-480

OPERATION (4)

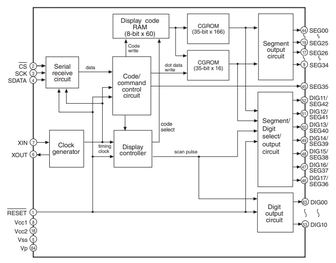
HDMI Through/ iPod Change indicator

Remote control sensor

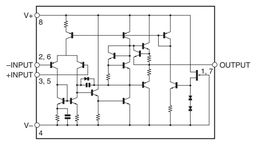
Page 131 K8 to DIGITAL (1)_CB81

Page 136 K8 to OPERATION (2)_CB458

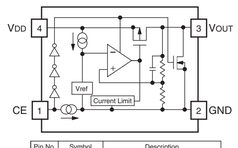
IC401: M66003-0131FP-R
18 digit 5 x 7 segment VFD controller/driver



IC471: NJM4565M (TE1)
Dual operational amplifier



IC481: RP130Q331D-TR-F
Voltage regulator



Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

Key detection for A/D port
Key input (A/D) pull-up resistance 10 k-ohms

Ohm	0	+ 1.0 k	+ 1.0 k	+ 1.5 k	+ 1.5 k	+ 2.2 k	+ 3.3 k	+ 4.7 k	22.0 k	33.0 k
V	0 – 0.15	0.15 – 0.42	0.43 – 0.70	0.71 – 0.97	0.98 – 1.24	1.25 – 1.53	1.54 – 1.84	1.85 – 2.22	2.23 – 2.62	2.63 – 3.04
A/D conversion value (3.3V=255)	0 – 11	12 – 32	33 – 54	55 – 75	76 – 96	97 – 119	120 – 142	143 – 163	182 – 197	198 – 209
KEY1 (171 pin)	RADIO (SCENE4)	CD (SCENE3)	TV (SCENE2)	BD/DVD (SCENE1)	ZONE2 CONTROL	ZONE2 ON/OFF	INPUT >	INPUT <	MAIN ZONE Ⓘ (power)	TONE CONTROL

Ohm	0	+ 1.0 k	+ 1.0 k	+ 1.5 k	+ 1.8 k	+ 2.2 k	+ 3.3 k	+ 4.7 k	+ 6.8 k	+ 10.0 k	+ 22.0 k	+ 68.0 k
V	0 – 0.15	0.16 – 0.42	0.43 – 0.70	0.71 – 0.99	1.00 – 1.27	1.28 – 1.56	1.57 – 1.86	1.87 – 2.14	2.15 – 2.39	2.40 – 2.65	2.66 – 2.91	2.92 – 3.17
A/D conversion value (3.3V=255)	0 – 11	12 – 32	33 – 54	55 – 77	78 – 99	100 – 121	122 – 144	145 – 166	167 – 186	187 – 205	206 – 226	227 – 246
KEY2 (170 pin)	PURE DIRECT	TUNING >>	TUNING <<	AM	FM	PRESET >	PRESET <	MEMORY	INFO	STRAIGHT	PROGRAM >	PROGRAM <

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

OPERATION 2/2

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
ⓘ	MICA CAPACITOR
ⓟ	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

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

OPERATION (10) R, T, A, B, G, F, L, S models

Page 131 J9 to DIGITAL (1)_CB83

OPERATION (9) U, C models

Page 131 J9 to DIGITAL (1)_CB83

OPERATION (8)

Page 142 D3 to VIDEO (1)_CB347

OPERATION (2)

Page 134 M2 to DIGITAL (1)_CB943

Page 134 M4 to DIGITAL (1)_CB944

Page 134 M6 to DIGITAL (1)_CB945

Page 135 J9 to OPERATION (1)_CB402

Page 143 E4 to VIDEO (10)_CB383 (R, T, A, B, G, F, L, S models)

Page 140 A3 to MAIN (1)_CB152

Page 140 C5 to MAIN (1)_CB153

Page 140 C6 to MAIN (1)_CB154

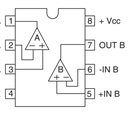
Page 140 C7 to MAIN (1)_CB155

Page 141 K6 to VIDEO (1)_CB302

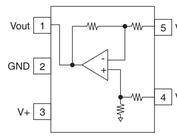
Destination Part List

sXX	LOC	U	C	RTA8GLFS
s420	C4202-C4208	US06222 220P(SL)	X	X
s421	C4201	US06310 1000P(B)	X	X
s422	R4205	RD35410 10	X	X
s423	R4203 R4204	RD35433 33	X	X
s424	R4201 R4202	RD35647 470	X	X
s425	JK451	VV26950 MD-S8130-90	X	X
s426	R4206 R4207	RD35810 100K	X	X
s427	ST451	X	V404050 -	V404050 -
s431	CB494	X	X	VI87810 5104B
s432	W4903	X	X	MF80316 -
s433	IC491	X	X	YA3B140 LM19CIZ/LFT4
s434	C4901	X	X	US13510 0.1/16
s435	ST492	X	X	WW83430 -
s436	R4904	X	X	RD35710 10K
s441	C4252	WV89490 10/71	WV89490 10/71	UR36747 47/50
s442	C4230-C4240 C4253	WY46570 820P/100	WY46570 820P/100	WY46570 820P/100
s443	C4268-C4272 C4281-C4287	WJ60880 820P/100	WJ60880 820P/100	WY46570 820P/100
s444	C4225-C4245 C4250-C4265 C4274-C4279 C4290	UR06710 10/50	UR06710 10/50	WK04180 10/16
s445	C4226-C4242 C4251-C4266 C4273-C4280 C4289	WK04180 10/16	WK04180 10/16	UR06710 10/50
s447	W4301	X	X	MF00514 -
s453	CB456	X	X	VI87830 5104B
s456	ST491	WW83430 -	WW83430 -	X
s457	TH491 TH492	WT69830 WC92NA103J1	WT69830 WC92NA103J1	X
s458	D4901-D4903	VT33290 1SS355	VT33290 1SS355	X
s459	R4902 R4903	RD35610 1K	RD35610 1K	X
s460	R4901	RD35710 10K	RD35710 10K	X
s461	CB491	VI87810 5104B	VI87810 5104B	X
s462	W4901	MF80316 -	MF80316 -	X

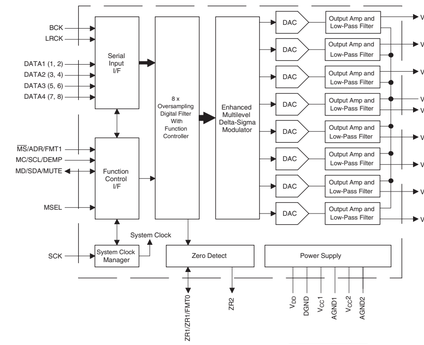
IC451-454: LM833MX
Operational amplifier



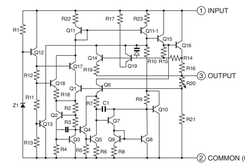
IC455, 459: NJM2505A
Single isolation amplifier



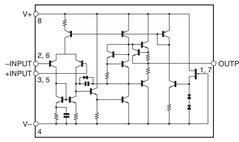
IC456: PCM1681PWPR
Audio digital-to-analog converter



IC457: KIA7805API
Voltage regulator



IC458: NJM4565M (TE1)
Dual operational amplifier



★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

OPERATION 1/2

OPE(1)
4001-4100
401-440

OPERATION (1)

V4001 HNA-1BMM03T

FL DRIVER

IC401 M66003-0131FP-R

PURE DIRECT indicator

VOLUME

SW419 A B COM EC12E2460B14

SW418 A B COM

Key detection for A/D port
Key input (A/D) pull-up resistance 10 k-ohms

Ohm	0	+ 1.0 k	+ 1.0 k	+ 1.5 k	+ 1.5 k	+ 2.2 k	22.0 k	33.0 k
V	0 – 0.15	0.15 – 0.42	0.43 – 0.70	0.71 – 0.97	0.98 – 1.24	1.25 – 1.53	2.23 – 2.62	2.63 – 3.04
A/D conversion value (3.3 V=255)	0 – 11	12 – 32	33 – 54	55 – 75	76 – 96	97 – 119	182 – 197	198 – 209
KEY1 (171 pin)	RADIO (SCENE4)	CD (SCENE3)	TV (SCENE2)	BD/DVD (SCENE1)	ZONE2 CONTROL	ZONE2 ON/OFF	MAIN ZONE ⏻ (power)	TONE CONTROL

Ohm	0	+ 1.0 k	+ 1.0 k	+ 1.5 k	+ 1.8 k	+ 2.2 k	+ 3.3 k	+ 4.7 k	+ 6.8 k	+ 10.0 k
V	0 – 0.15	0.16 – 0.42	0.43 – 0.70	0.71 – 0.99	1.00 – 1.27	1.28 – 1.56	1.57 – 1.86	1.87 – 2.14	2.15 – 2.39	2.40 – 2.65
A/D conversion value (3.3 V=255)	0 – 11	12 – 32	33 – 54	55 – 77	78 – 99	100 – 121	122 – 144	145 – 166	167 – 186	187 – 205
KEY2 (170 pin)	PURE DIRECT	TUNING >>	TUNING <<	AM	FM	PRESET >	PRESET <	MEMORY	INFO	STRAIGHT

KEY1: SCENE4 RADIO, SCENE3 STB, SCENE2 DVD/CD, SCENE1 BD, ZONE2 CONTROL, ZONE2 ON/OFF, TONE CONTROL

KEY2: PURE DIRECT, TUNING, AM, FM, PRESET, MEMORY, INFO, STRAIGHT, PROGRAM

DC-DC/AC Converter for VFD

OPERATION (5)

OPE(5)

MAIN ZONE ⏻

POWER indicator

OPERATION (7)

PN472

OPE(7)

CAPACITOR

REMARKS	PARTS NAME
NO MARK	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
Ⓔ	CERAMIC TUBULAR CAPACITOR
Ⓜ	POLYESTER FILM CAPACITOR
Ⓒ	POLYSTYRENE FILM CAPACITOR
Ⓘ	MICA CAPACITOR
Ⓟ	POLYPROPYLENE FILM CAPACITOR
◉	SEMICONDUCTIVE CERAMIC CAPACITOR
Ⓢ	POLYPHENYLENE SULFIDE FILM CAPACITOR

RESISTOR

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

NOTICE (model)
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(E)····· SOUTH EUROPE
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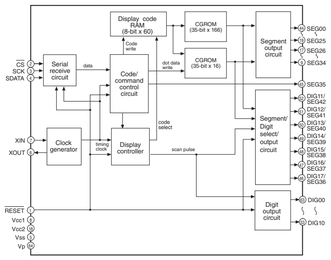
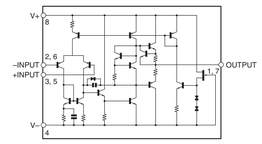
(F)····· RUSSIAN
(P)····· LATIN AMERICA
(S)····· BRAZIL
(H)····· THAI

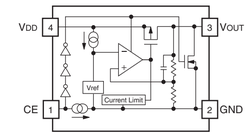
IC401: M66003-0131FP-R
18 digit 5 x 7 segment VFD controller/driver



IC471: NJM4565M (TE1)
Dual operational amplifier



IC481: RP130Q331D-TR-F
Voltage regulator



Pin No.	Symbol	Description
1	CE	Chip Enable ("H" Active)
2	GND	Ground Pin
3	VOUT	Output Pin
4	VDD	Input Pin

OPERATION (4)

4401-4450
471-480

YPAO MIC
JY-3554-01-130

NJM4565M

BODY EARTH

OPERATION (3)

PHONES SILENT CINEMA
MS-054-09B03

Head Phone

From VIDEO(1)

OPERATION (6)

OPE(6)

INPUT Selector

OPERATION (11)

OPE(11)
4481-4500
446-450

USB
iPod/iPhone

OPERATION (12)

OPE(12)

4401-4450
471-480

VIDEO
L
V-AUX
R
VIDEO AUX
AUDIO

Remote control sensor
SIR-505STA47

Page 145 B4
to VIDEO (1)_W3401

Page 131 K8
to DIGITAL (1)_CB81

Page 138 K8
to OPERATION (2)_CB458

Page 134 M8
to DIGITAL (1)_CB951

Page 132 K8
to DIGITAL (1)_CB902

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

RX-A710

OPERATION 2/2

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
ⓘ	MICA CAPACITOR
ⓟ	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

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

OPERATION (10) A model

Page 131 J9 to DIGITAL (1)_CB83

OPERATION (9) U, C models

Page 131 J9 to DIGITAL (1)_CB83

OPERATION (8)

Page 145 D3 to VIDEO (1)_CB347

OPERATION (2)

Page 134 M2 to DIGITAL (1)_CB943

Page 134 M4 to DIGITAL (1)_CB944

Page 134 M6 to DIGITAL (1)_CB945

Page 137 H9 to OPERATION (1)_CB402

Page 146 F4 to VIDEO (10)_CB383 (A model)

Page 140 A3 to MAIN (1)_CB152

Page 140 C5 to MAIN (1)_CB153

Page 140 C6 to MAIN (1)_CB154

Page 140 C7 to MAIN (1)_CB155

Page 144 J6 to VIDEO (1)_CB302

Destination Part List

sXX	LOC	U	C	A	
s420	C4202-C4208	US06222 220P(SL)	X	X	SIRIUS
s421	C4201	US06310 1000P(B)	X	X	
s422	R4205	RD35410 10	X	X	
s423	R4203 R4204	RD35433 33	X	X	
s424	R4201 R4202	RD35647 470	X	X	
s425	JK451	VV26950 MD-58130-90	X	X	
s426	R4206 R4207	RD35810 100K	X	X	
s427	ST451	X	WWB3420	WWB3420	
s431	CB494	X	X	VIB7810 51048	
s432	W4903	X	X	MF80316 -	
s433	IC491	X	X	YA3814O LM19CIZ/LFT4	T-SENSOR
s434	C4901	X	X	US13510 0.1/16	
s435	ST492	X	X	WWB3430 -	
s436	R4904	X	X	RD35710 10K	
s447	W4301	X	X	MF00514 -	PHONO
s453	CB456	X	X	VIB7830 51048	
s456	ST491	WWB3430 -	WWB3430 -	X	
s457	TH492 TH491	WT69830 WC92NA103J1	WT69830 WC92NA103J1	X	T-SENSOR
s458	D4901-D4903	V133290 1SS355	V133290 1SS355	X	
s459	R4902 R4903	RD35610 1K	RD35610 1K	X	
s460	R4901	RD35710 10K	RD35710 10K	X	
s461	CB491	VIB7810 51048	VIB7810 51048	X	
s462	W4901	MF80316 -	MF80316 -	X	

R4200	
RX-V671	0
RX-A710	1.0K
HTR6064	2.2K
RX-V771	3.9K
RX-AB10	5.6K
HTR7064	8.2K
RX-V871	12K
RX-A910	18K
HTR8064	27K

IC451-454: LM833MX
Operational amplifier

IC455, 459: NJM2505A
Single isolation amplifier

IC456: PCM1681PWPR
Audio digital-to-analog converter

ZR1/ZR1/FMT0	1	28	ZR2
MS/ADR/FMT1	2	27	VOUT1
MC/SCL/DEMP	3	26	VOUT2
MD/SDA/MUTE	4	25	VCOM
SCK	5	24	AGND2
DATA1	6	23	VCC2
BCK	7	22	VOUT3
LRCK	8	21	VOUT4
VDD	9	20	VOUT5
DGND	10	19	VOUT6
DATA2	11	18	AGND1
DATA3	12	17	VCC1
DATA4	13	16	VOUT7
MSEL	14	15	VOUT8

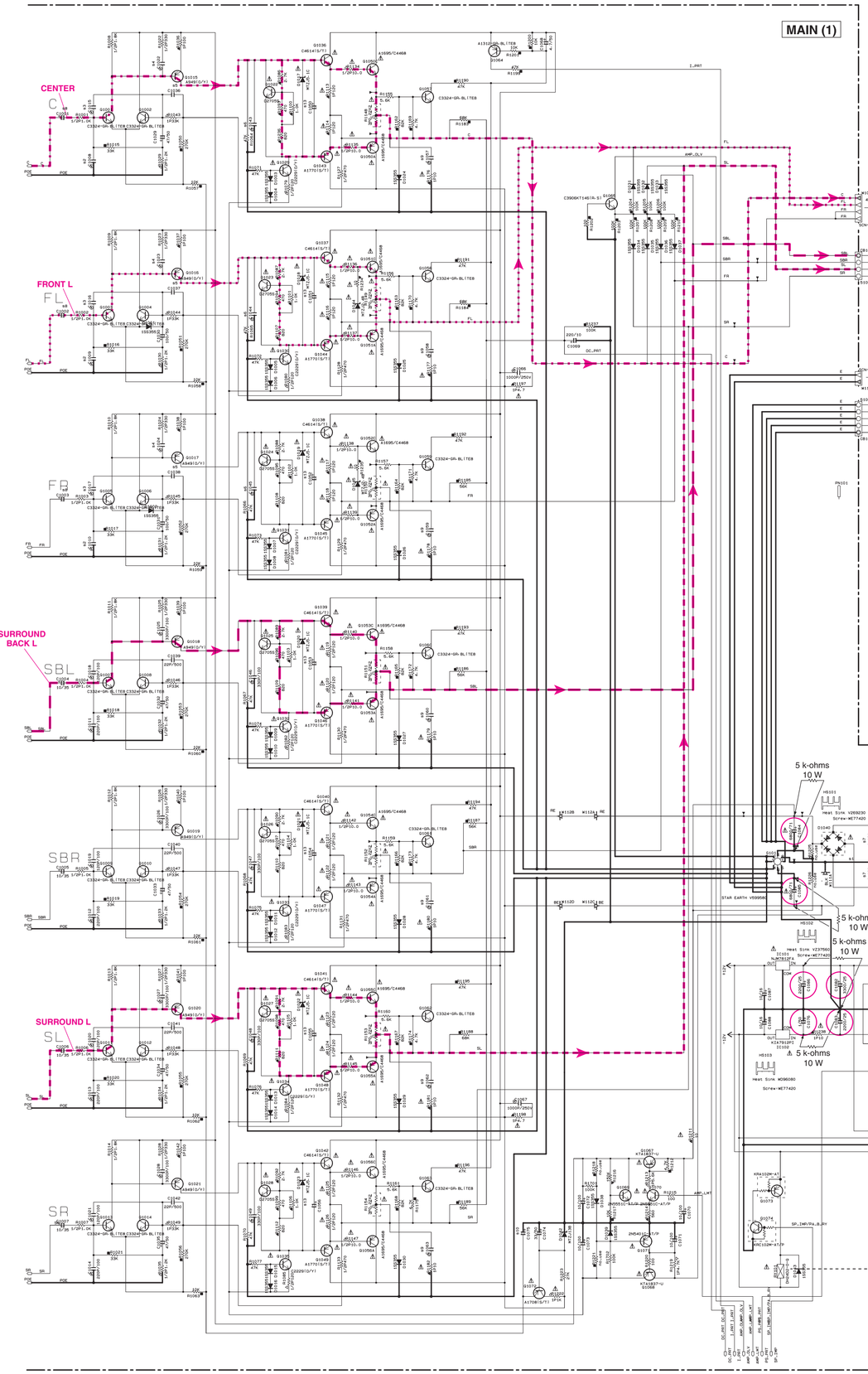
IC457: KIA7805API
Voltage regulator

IC458: NJM4565M (TE1)
Dual operational amplifier

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

RX-V671/HTR-6064 | **RX-A710**

MAIN 1/2



Destination Part List

BXX	LOC	UCRTALS	BSF
b1	D1040	■BD127G RS602M-B-C-JBO	■KBL110 DS08M20
b2	C1009 C1010 C1016	WK16420 220F/100	■EE33080 220F/630
b3	C1015 C1017	■GE10750 120F/100	■EE33060 120F/630
b4	C1022 C1024 C1023	■WK16820 3300F/100	■EE33220 3300F/100
b5	C1038 C1037 C1036	■GE62750 22F/500	■EE33020 22F/630
b6	C1043 C1045 C1044	■WJ60840 330F/100	■EE33110 330F/100
b7	C1078 C1079	■WJ61140 0.1UF/100	■WK42100 0.1UF/100
b8	C1001 C1002	UR62510 10/35	■KE24180 10/16
b9	C1062 C1059 C1060 C1061 C1058 C1063 C1051	■WJ61060 0.022/100	■WK60550 0.022/100
b10	C1075	UR62510 10/35	UR06747 47/50
b11	R1575 R1573	■AE62140 1MΩ	■QE36570 1MΩ
b12	C1058 C1059	UR06747 47/50	UR06747 47/50
b13	C1054 C1055 C1053 C1051 C1056 C1065 C1052	UR06710 10/50	UR06710 10/50
b14	C1509	UR06747 47/50	UR23810 100/16

RESISTOR

REMARKS NO MARK	PARTS NAME
☑	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 NO MARK	PARTS NAME
◇	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
◉	CERAMIC TUBULAR CAPACITOR
◎	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
○	MICA CAPACITOR
◎	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

NOTICE (model)
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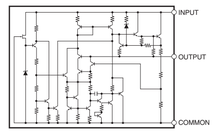
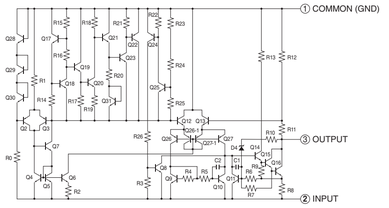
(F)..... RUSSIAN
(P)..... LATIN AMERICA
(S)..... BRAZIL
(H)..... THAI

IC101: NJM7812FA
Voltage regulator



IC102: KIA7912PI
Voltage regulator



Notes)

Safety measures

- Some internal parts in this product contain high voltages and are dangerous. Be sure to take safety measures during servicing, such as wearing insulating gloves.
- Note that the capacitors indicated below are dangerous even after the power is turned off because an electric charge remains and a high voltage continues to exist there. Before starting any repair work, connect a discharging resistor (5 k-ohms/10 W) to the terminals of each capacitor indicated below to discharge electricity. The time required for discharging is about 30 seconds per each.
  C1076, C1082-1086 on MAIN (1) P.C.B.

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

RX-V671/HTR-6064 | RX-A710

MAIN 2/2

AV 1 OPTICAL — AV 2 COAXIAL — AV 3 COAXIAL (CD) — AV 4 OPTICAL (TV) — AV 5 — AV 6 — AV OUT — AUDIO 1 — AUDIO 2 — AUDIO OUT — ZONE 2 OUT — SUBWOOFER

DIGITAL IN

ANALOG IN

SURROUND BACK L | SURROUND L | SUB WOOFER | CENTER | FRONT L

Page 136 D10 RX-V671/HTR-6064
to OPERATION (2)_CB451

Page 138 D10 RX-A710
to OPERATION (2)_CB451

Page 136 E10 RX-V671/HTR-6064
to OPERATION (2)_CB452

Page 138 E10 RX-A710
to OPERATION (2)_CB452

Page 136 F10 RX-V671/HTR-6064
to OPERATION (2)_CB453

Page 138 F10 RX-A710
to OPERATION (2)_CB453

Page 136 G10 RX-V671/HTR-6064
to OPERATION (2)_CB454

Page 138 G10 RX-A710
to OPERATION (2)_CB454

Page 140 H4
to MAIN (1)_CB157

Page 140 C7
to MAIN (1)_CB158

Page 131 H9
to DIGITAL (1)_CB85

MAIN (1)

NOTICE (model)
(J)····· JAPAN
(U)····· U.S.A
(C)····· CANADA
(R)····· GENERAL
(T)····· CHINA
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(L)····· SINGAPORE
(E)····· SOUTH EUROPE
(V)····· TAIWAN
(F)····· RUSSIAN
(P)····· LATIN AMERICA
(S)····· BRAZIL
(H)····· THAI

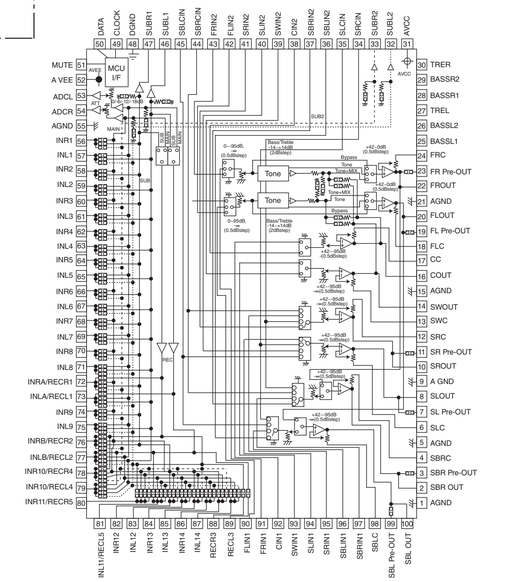
RESISTOR

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

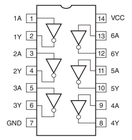
CAPACITOR

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

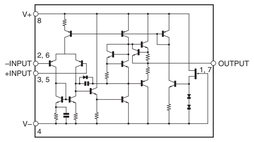
IC153: R2A15220FP
8-channel electronic volume with 11 input selector and tone control



IC152: TC74VHCU04FT
Hex inverters



IC154: NJM4565M (TE1)
Dual operational amplifier



★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

VIDEO 1/3

NOTICE [model]
[J]····· JAPAN
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[C]····· CANADA
[R]····· GENERAL
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[V]····· TAIWAN
[F]····· RUSSIAN
[P]····· LATIN AMERICA
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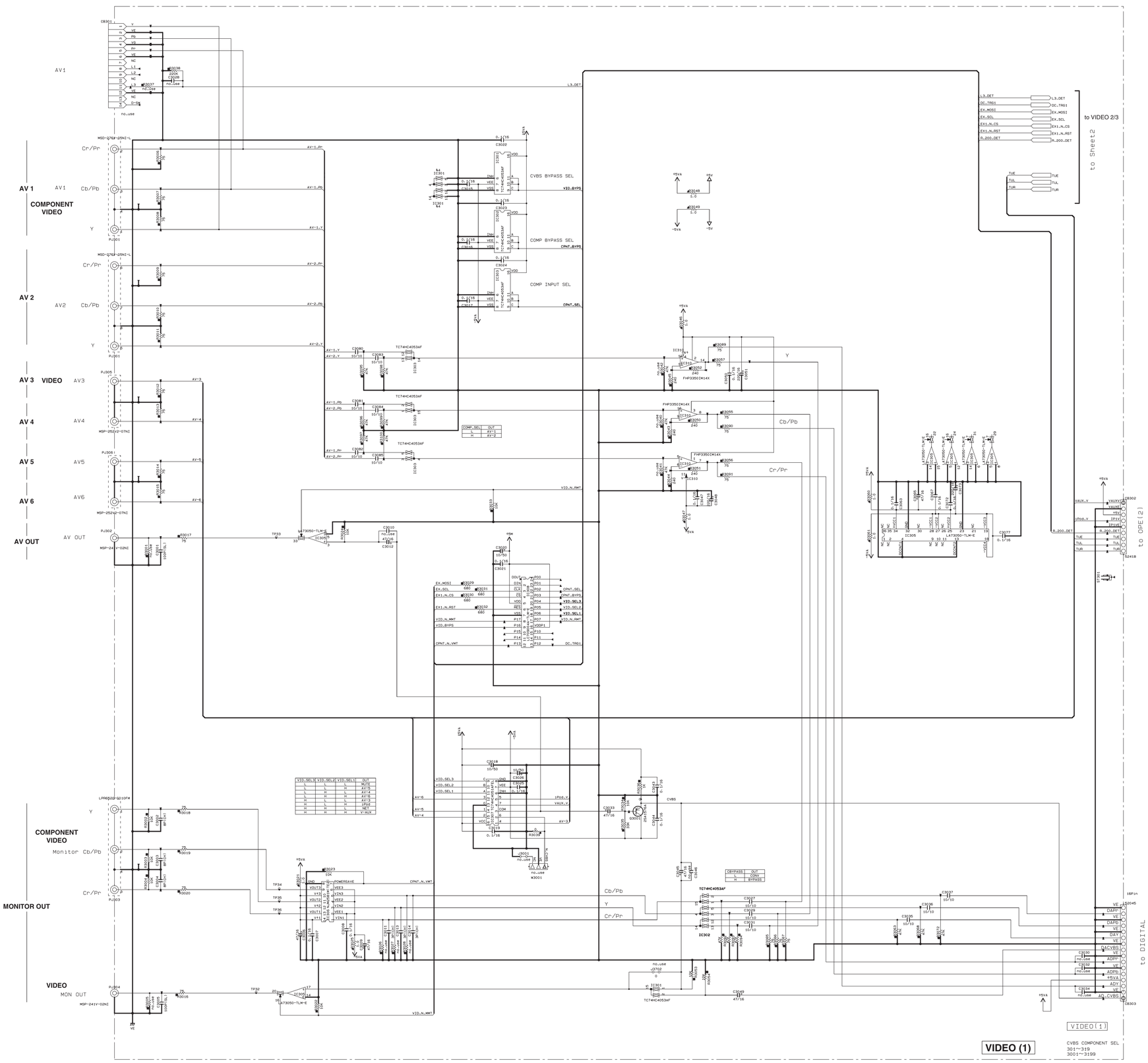
[H]····· THAI

RESISTOR

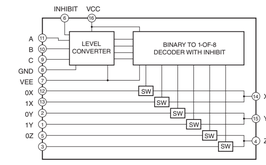
REMARKS	PARTS NAME
NO MARK	CARBON FILM RESISTOR (P=5)
☑	CARBON FILM RESISTOR (P=10)
△	METAL OXIDE FILM RESISTOR
▲	METAL FILM RESISTOR
⊠	METAL PLATE RESISTOR
◪	FIRE PROOF CARBON FILM RESISTOR
▯	CEMENT MOLDED RESISTOR
⊘	SEMI VARIABLE RESISTOR
■	CHIP RESISTOR

CAPACITOR

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

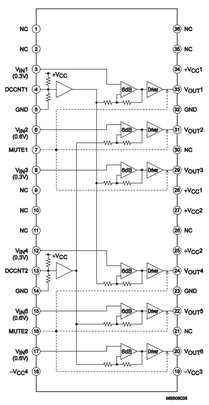


IC301-303: TC74HC4053AF
Analog multiplexer/demultiplexer

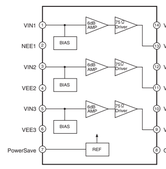


INPUT STATES				"ON" CHANNEL (S)
INHIBIT	C	B	A	
0	0	0	0	0X, 0Y, 0Z
0	0	0	1	1X, 0Y, 0Z
0	0	1	0	0X, 1Y, 0Z
0	0	1	1	1X, 1Y, 0Z
0	1	0	0	0X, 0Y, 1Z
0	1	0	1	1X, 0Y, 1Z
0	1	1	0	0X, 1Y, 1Z
0	1	1	1	1X, 1Y, 1Z
1	X	X	X	NONE

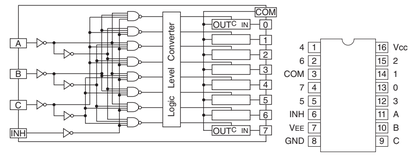
IC305: LA73050-TLM-E
6-channel 75-ohm video driver



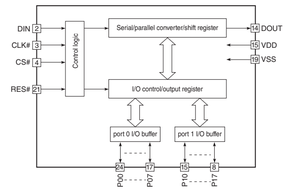
IC306: NJM2581M
Video amplifier



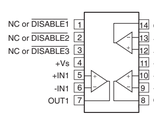
IC307: TC74HC4051AFEL
8-channel analog multiplexer/demultiplexer



IC308: LC709004A-TLM-E
I/O-expander for microcontroller



IC310: FHP3350IM14X
Triple voltage feedback amplifier



★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
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★ Schematic diagram is subject to change without notice.

RX-V671/HTR-6064

VIDEO 2/3

Destination Part List

		U	C	RS	T	A	BGF	L
s201	TE341 TE343	WW72890 MST-204V5-01-76	WW72890 MST-204V5-01-76	WW72890 MST-204V5-01-76	WW72890 MST-204V5-01-76	WW72890 MST-204V5-01-76	WW72650 MST-204V5-01-76	WW72650 MST-204V5-01-76
s202	TE342	WW72660 MST-207Y7-01-76	WW72660 MST-207Y7-01-76	WW72660 MST-207Y7-01-76	WW72660 MST-207Y7-01-76	WW72660 MST-207Y7-01-76	WW72880 MST-207Y7-01-76	WW72880 MST-207Y7-01-76
s210	R3350	X	X	WW97250 2.2K	X	X	X	X
s211	D3350	X	X	VU17280 UDZS12B	X	X	X	X

Page 136 I3
to OPERATION (8)_CB463

to OPE(8)

W3402

CB347

S1052

SPRY-Z2

+12V

-12V

PN348 PN347 PN346 PN345

SPEAKER RELAY
340~349
3400~3499

PN341

981-2A-240S-SP7

RY341

RY342

RY345

RY344

RY343

Page 135 L4
to OPERATION (3)_CB472

to OPE(3)

W3401

HP_N_DET

FRONT L

FRONT L/R

CENTER

SURROUND L

SURROUND L/R

SURROUND BACK L

SURROUND BACK L/R / BI-AMP L/R

SPEAKERS

DRIVERS

TE341 TE342 TE343

RED AR BLACK AL BLCAK

RED C BLACK

RED SR BLCAK

RED SL BLACK

RED SBR BLACK

RED SBL BLCAK

s201 s202

0.015/100 C3410 C3411 C3412 C3413 C3414 C3415 C3416

0.01/100 C3407 C3408 C3409

R3405 R3406 R3403 R3404 10K

Page 139 H2
to MAIN (1)_W107

Page 139 H3
to MAIN (1)_CB104

Page 139 H4
to MAIN (1)_W116

Page 139 H4
to MAIN (1)_CB103

Page 139 H9
to MAIN (1)_W110

to MAIN

CB342 CB343 CB340 CB344 CB346

52011-0440

PN342 PN343

+18V +12V -12V

TRG_GND

DTA114EKA

Q3406 Q3408 Q3407 Q3410 Q3411 Q3412 Q3413 Q3414 Q3409 Q3405

DTC114EKA

SPA SPC SPS SBRY HP

SPRY_5CH SPRY_SB HPRY

RY342 RY345 RY344 RY343 RY343

981-2A-240S-SP7

D3403 D3404 D3405 D3406 D3407

R_200_DET

to Sheet1

to VIDEO 1/3

TUE TUL TUR

L3_DET DC_TRG1 EX_MOSI EX_SCL EX1_N_CS EX1_N_RST R_200_DET

PS1_PRT

R3304 1/200_22

D3354 RS3004B-C-J80

C3310 4700/16

Q3309

C3311 1/50

C3312 1/50

R3302 27K R3303 27K

IC333 KIA7805API

IC334 NJM2388F05

+5V

Q3304 A1015(Y)

Q3305 C1815(Y)

R3310 100

R3309 10K

R3308 4.7K

R3316 4.7K

C3316 3.3/50

C3321 3.3/50

R3318 10K no use

R3317 18K

ST331

-5_Video

-5V

POWER SUPLY
330~339
3300~3399

W3302 MF90330

CB331 CB332

Page 131 E9
to DIGITAL (1)_CB87

to DIGITAL

CB324

TUN_SDA TUN_SCL TUN_N_RST TUN_N_INT SPRY_5CH HPRY SPRY_SB SPRY_Z2 EX1_N_RST EX1_N_CS EX_SCL EX_MOSI HP_N_DET

TUN_SDA/HDR_MOSI TUN_SCL/HDR_MISO TUN_RST/HDR_N_RST TUN_N_INT SPRY_5CH HPRY SPRY_SB SPRY_Z2 EX1_N_RST EX1_N_CS EX_SCL EX_MOSI HP_N_DET N.C N.C VID_PON +5M PS1_PRT L3_DET PS3_PRT

20P

S2045

PS1_PRT L3_DET

VID_PON

+5M

+5V

HS332 V233070

IC332

+3.3HDR

no use

R3321 10K

Q3305 C1815(Y)

Q3307

C3301 0.1/16

VE

TRG_GND

CONTROL OUT
+12V MAX 100mA
TRIGGER OUT

JK321 MSJ-035-12APC

KTA1046-Y-U/P

Q3306

R3312 6.8K

R3311 10K

to AM/FM TUNER

to TUNER PACK

to HD RADIO

[Tuner]

CB323 CB322

J3201 no use

TUN_N_INT TUN_SCL TUN_SDA TUN_N_RST

R3316 100 R3326 0 R3325 0 R3315 100

C3317 C3318 C3315 C3321 100P(SL)

R3327 R3328 HDR_MISO HDR_MOSI RESET HDS +3.3HDR HOS AUDIO_L AUDIO_M AUDIO_R HDG

R3319 R3323 R3324 R3320

C3320

no use

L_ch +5T Rch. GND GPIO2 SCL SDA RST SCL SDA

TUL TUR TUE

TUE TUL TUR

L3_DET DC_TRG1 EX_MOSI EX_SCL EX1_N_CS EX1_N_RST R_200_DET

to Sheet1

to VIDEO 1/3

TRIGER & TUNER
320~329
3200~3299

VIDEO(1)

VIDEO (1)

to POWER TRANSFORMER

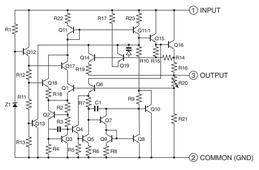
VIDEO (7)

VIDEO(7)

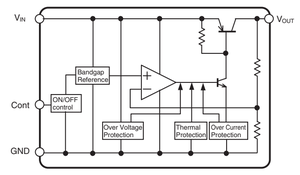
From Transformer

CB331 CB332

IC333: KIA7805API
Voltage regulator



IC334: NJM2388F05
Low dropout voltage regulator with ON/OFF control



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	
	MICA CAPACITOR	
	POLYPROPYLENE FILM CAPACITOR	
	SEMICONDUCTIVE CERAMIC CAPACITOR	

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

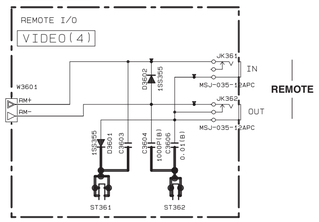
★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ Components having special characteristics are marked ⚠ and must be replaced with parts having specifications equal to those originally installed.
★ Schematic diagram is subject to change without notice.

VIDEO 3/3

VIDEO (4)

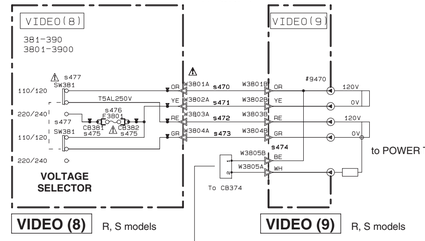
REMOTE I/O

VIDEO(4)



Page 131 J8
to DIGITAL (1)_CB82

VOLTAGE SELECTOR R ONLY

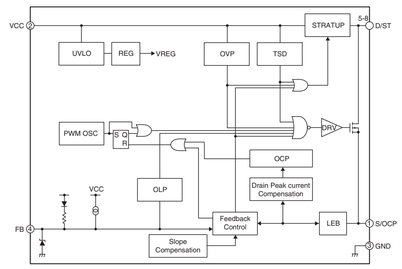


to POWER TRANSFORMER

VIDEO (8) R, S models

VIDEO (9) R, S models

IC371: STR2A153
Switching regulator



Page 128 A1
to DIGITAL (1)_CB23

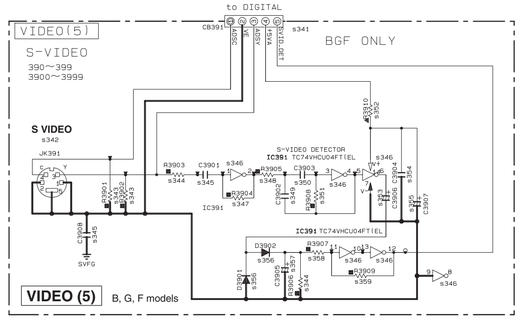
to DIGITAL

VIDEO (5)

VIDEO(5)

S-VIDEO
390~399
3900~3999

BGF ONLY

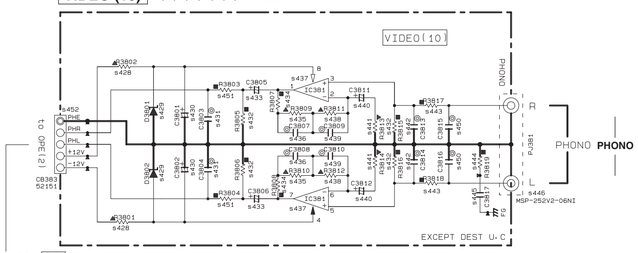


B, G, F models

VIDEO (10)

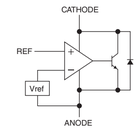
R, T, A, B, G, F, L, S models

VIDEO(10)

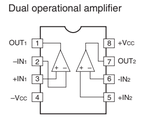


Page 136 K9
to OPERATION (2)_CB456

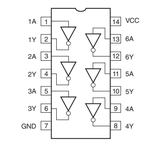
IC373: TL431ACLPR
Adjustable precision shunt regulators



IC381: NJM2068MD-TE2
Dual operational amplifier



IC391: TC74VHCU04FT
Hex inverters



to POWER TRANSFORMER

TRANSFORMER

VIDEO(6)

VIDEO (6)

U, C, T, A, B, G, F, L models

MAIN(2)

VIDEO(7)

AC IN

POWER CORD

Notes)

Safety measures

- Some internal parts in this product contain high voltages and are dangerous. Be sure to take safety measures during servicing, such as wearing insulating gloves.
- Note that the capacitors indicated below are dangerous even after the power is turned off because an electric charge remains and a high voltage continues to exist there. Before starting any repair work, connect a discharging resistor (5 k-ohms/10 W) to the terminals of each capacitor indicated below to discharge electricity. The time required for discharging is about 30 seconds per each.

  C3706 on VIDEO (2) P.C.B.

Destination Part List

sXX	LOC	U	C	RS	T	A	BGF	L
s304	F3702	WQ21110 8A125V	WQ21110 8A125V	WQ21110 8A125V	WM93310 T5.0AL250V	WM93310 T5.0AL250V	WM93310 T5.0AL250V	WM93310 T5.0AL250V
s305	C3701 C3712	WJ36120 0.047/400	WJ36120 0.047/400	WJ36180 0.022/630	WJ36180 0.022/630	WJ36180 0.022/630	WJ36180 0.022/630	WJ36180 0.022/630
s309	W3701A W3701B	MH06620 -	MH06620 -	X	MH06620 -	MH06620 -	MH06620 -	MH06620 -
s310	W3702B W3702A	MH09620 -	MH09620 -	X	MH09620 -	MH09620 -	MH09620 -	MH09620 -
s311	CB374	X	X	VG87990 VH15	X	X	X	X
s315	C3706	WK76600 220/220	WK76600 220/220	WK76610 150/400	WQ85250 68/400	WQ85250 68/400	WQ85250 68/400	WQ85250 68/400
s321	R3726	RD35612 1.2K	RD35627 2.7K	RD35647 4.7K	RD35668 6.8K	RD35715 15K	RD35747 47K	RD35810 100K
s341	CB391	X	X	X	X	X	VQ04410 52044	X
s342	JK391	X	X	X	X	X	V693100 YKF51-5506V	X
s343	R3901 R3902	X	X	X	X	X	RD35475 75	X
s344	R3903 R3905	X	X	X	X	X	RD35710 10K	X
s345	C3908 C3901	X	X	X	X	X	US06410 0.01(B)	X
s346	IC391	X	X	X	X	X	XZ5090A0 TC74VHCU04FTEL	X
s347	R3904	X	X	X	X	X	RD35747 47K	X
s348	R3905	X	X	X	X	X	RD35647 4.7K	X
s349	C3902	X	X	X	X	X	US06212 120P(SL)	X
s350	C3903	X	X	X	X	X	US06222 220P(SL)	X
s351	R3908	X	X	X	X	X	RD35647 470K	X
s352	R3910	X	X	X	X	X	WW96530 2.2	X
s353	C3906	X	X	X	X	X	UR83710 10/16	X
s354	C3904	X	X	X	X	X	US13510 0.1/16	X
s355	C3907	X	X	X	X	X	UR81847 470/6.3	X
s356	D3901 D3902	X	X	X	X	X	VT33090 1SS355	X
s357	C3905	X	X	X	X	X	UR83747 47/16	X
s358	R3907	X	X	X	X	X	RD35715 15K	X
s359	R3909	X	X	X	X	X	RD35868 680K	X
s428	R3801 R3802	X	X	WC86290 1P470	WC86290 1P470	WC86290 1P470	WQ96470 1P470	WC86290 1P470
s429	D3801 D3802	X	X	VV65930 RL27.5B	VV65930 RL27.5B	VV65930 RL27.5B	VV65930 RL27.5B	VV65930 RL27.5B
s430	C3802 C3803	X	X	UR23747 47/16	UR23747 47/16	UR23747 47/16	UR23747 47/16	UR23747 47/16
s431	C3804 C3803	X	X	WJ60370 1000P	WJ60370 1000P	WJ60370 1000P	WJ60370 1000P	WJ60370 1000P
s432	R3815 R3805 R3806 R3816	X	X	RD35747 47K	RD35747 47K	RD35747 47K	RD35747 47K	RD35747 47K
s433	C3805 C3806	X	X	UR26710 10/50	UR26710 10/50	UR26710 10/50	UR26710 10/50	UR26710 10/50
s434	R3808 R3807	X	X	RD35510 100	RD35510 100	RD35510 100	RD35510 100	RD35510 100
s435	R3810 R3809	X	X	RF35810 100K	RF35810 100K	RF35810 100K	RF35810 100K	RF35810 100K
s436	C3807 C3808	X	X	WJ60560 0.033	WJ60560 0.033	WJ60560 0.033	WJ60560 0.033	WJ60560 0.033
s437	IC381	X	X	X3505A0 NJM2068MD-TE2	X3505A0 NJM2068MD-TE2	X3505A0 NJM2068MD-TE2	X3505A0 NJM2068MD-TE2	X3505A0 NJM2068MD-TE2
s438	R3812 R3811	X	X	RF35682 8.2K	RF35682 8.2K	RF35682 8.2K	RF35682 8.2K	RF35682 8.2K
s439	C3810 C3809	X	X	WJ60490 9100P	WJ60490 9100P	WJ60490 9100P	WJ60490 9100P	WJ60490 9100P
s440	C3811 C3812	X	X	UR21822 220/6.3	UR21822 220/6.3	UR21822 220/6.3	UR21822 220/6.3	UR21822 220/6.3
s441	R3813 R3814	X	X	RF35518 180	RF35518 180	RF35518 180	RF35518 180	RF35518 180
s442	C3814 C3813	X	X	WJ60310 220P	WJ60310 220P	WJ60310 220P	WJ60310 220P	WJ60310 220P
s443	R3817 R3818	X	X	RD35447 47	RD35447 47	RD35447 47	RD35622 2.2K	RD35447 47
s444	R3819	X	X	RD35322 2.2	RD35322 2.2	RD35322 2.2	RD35322 2.2	RD35322 2.2
s445	C3817	X	X	US06410 0.01(B)	US06410 0.01(B)	US06410 0.01(B)	US06410 0.01(B)	US06410 0.01(B)
s446	PJ381	X	X	WD59960 MSP-252V2-06NI	WD59960 MSP-252V2-06NI	WD59960 MSP-252V2-06NI	WD59960 MSP-252V2-06NI	WD59960 MSP-252V2-06NI
s450	C3816 C3815	X	X	X	X	X	WJ60310 220P	X
s451	R3803 R3804	X	X	RD35547 470	RD35547 470	RD35547 470	RD35547 470	RD35547 470
s452	CB383	X	X	VK02640 52151	VK02640 52151	VK02640 52151	VK02640 52151	VK02640 52151
s470	W3801A W3801B	X -	X -	MH03020 -	X -	X -	X -	X -
s471	W3802B W3802A	X -	X -	MH04020 -	X -	X -	X -	X -
s472	W3803B W3803A	X -	X -	MH02020 -	X -	X -	X -	X -
s473	W3804B W3804A	X -	X -	MH08020 -	X -	X -	X -	X -
s474	W3805A W3805B	X -	X -	WA76540 VH-5298T	X -	X -	X -	X -
s475	CB382 CB381	X -	X -	WN10300 TP0351-31	X -	X -	X -	X -
s476	F3801	X	X	KB00078 T5AL250V	X	X	X	X
s477	SW381	X	X	WV38290 SL14	X	X	X	X

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

RX-A710

VIDEO 1/3

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

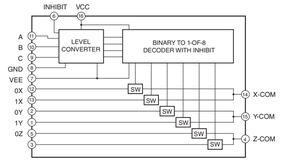
RESISTOR

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

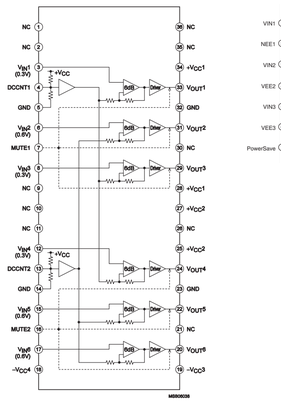
REMARKS	PARTS NAME	
NO MARK	ELECTROLYTIC CAPACITOR	⫼
⊘	TANTALUM CAPACITOR	
NO MARK	CERAMIC CAPACITOR	⫻
◉	CERAMIC TUBULAR CAPACITOR	
⊗	POLYESTER FILM CAPACITOR	
○	POLYSTYRENE FILM CAPACITOR	
①	MICA CAPACITOR	
⊛	POLYPROPYLENE FILM CAPACITOR	
●	SEMICONDUCTIVE CERAMIC CAPACITOR	

IC301-303: TC74HC4053AF
Analog multiplexer/demultiplexer

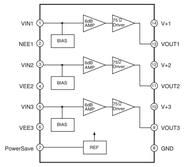


INPUT STATES				
INHIBIT	C	B	A	"ON" CHANNEL (S)
0	0	0	0	0X, 0Y, 0Z
0	0	0	1	1X, 0Y, 0Z
0	0	1	0	0X, 1Y, 0Z
0	0	1	1	1X, 1Y, 0Z
0	1	0	0	0X, 0Y, 1Z
0	1	0	1	1X, 0Y, 1Z
0	1	1	0	0X, 1Y, 1Z
0	1	1	1	1X, 1Y, 1Z
1	X	X	X	NONE

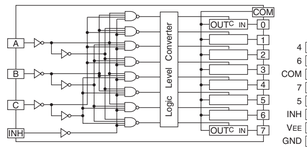
IC305: LA73050-TLM-E
6-channel 75-ohm video driver



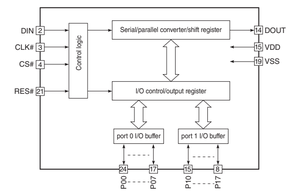
IC306: NJM2581M
Video amplifier



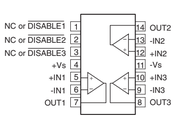
IC307: TC74HC4051AFEL
8-channel analog multiplexer/demultiplexer



IC308: LC709004A-TLM-E
I/O-expander for microcontroller



IC310: FHP3350IM14X
Triple voltage feedback amplifier



to VIDEO 2/3
to Sheet2
Page 138 I10
to OPERATION (2)_CB455
Page 128 B1
to DIGITAL (1)_CB21

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

VIDEO (1)

CVBS COMPONENT SEL
301~319
3001~3199

VIDEO 2/3

Page 138 I3
to OPERATION (8)_CB463
to OPE(8)

Page 137 D9
to OPERATION (3)_CB471
to OPE(3)

Page 139 H2
to MAIN (1)_W107

Page 139 H3
to MAIN (1)_CB104

Page 139 H4
to MAIN (1)_W116

Page 139 H4
to MAIN (1)_CB103

Page 139 H9
to MAIN (1)_W110

to MAIN

Page 131 E9
to DIGITAL (1)_CB87

to DIGITAL

to TUNER PACK

to HD RADIO

to AM/FM TUNER

[Tuner]

to Sheet1

to VIDEO 1/3

to POWER TRANSFORMER

From Transformer

VIDEO(7)

VIDEO (7)

VIDEO (1)

TRIGER & TUNER
320~329
3200~3299

VIDEO(1)

CONTROL OUT
+12V MAX 100mA

TRIGGER OUT

SPEAKER RELAY
340~349
3400~3499

FRONT L/R

CENTER

SURROUND L/R

SURROUND BACK L/R / BI-AMP L/R

SPEAKERS

DRIVERS

FRONT L

CENTER

SURROUND L

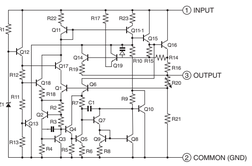
SURROUND BACK L

no use

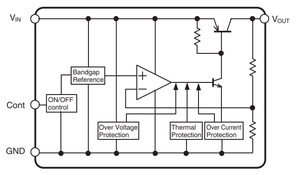
POWER SUPLY
330~339
3300~3399

W3300
MF90330

IC333: KIA7805API
Voltage regulator



IC334: NJM2388F05
Low dropout voltage regulator with ON/OFF control



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
	ELECTROLYTIC CAPACITOR
⊗	TANTALUM CAPACITOR
NO MARK	CERAMIC CAPACITOR
◉	CERAMIC TUBULAR CAPACITOR
Ⓟ	POLYESTER FILM CAPACITOR
○	POLYSTYRENE FILM CAPACITOR
Ⓘ	MICA CAPACITOR
Ⓟ	POLYPROPYLENE FILM CAPACITOR
●	SEMICONDUCTIVE CERAMIC CAPACITOR

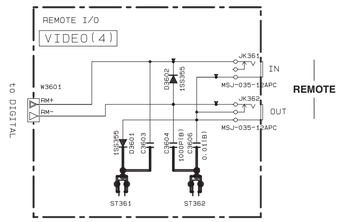
NOTICE [model]
(J)····· JAPAN
(U)····· U.S.A
(C)····· CANADA
(R)····· GENERAL
(T)····· CHINA
(K)····· KOREA
(A)····· AUSTRALIA
(B)····· BRITISH
(G)····· EUROPE
(L)····· SINGAPORE
(E)····· SOUTH EUROPE
(V)····· TAIWAN
(F)····· RUSSIAN
(P)····· LATIN AMERICA
(S)····· BRAZIL
(H)····· THAI

★ All voltages are measured with a 10MΩ/V DC electronic voltmeter.
★ 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.

RX-A710

VIDEO 3/3

VIDEO (4)



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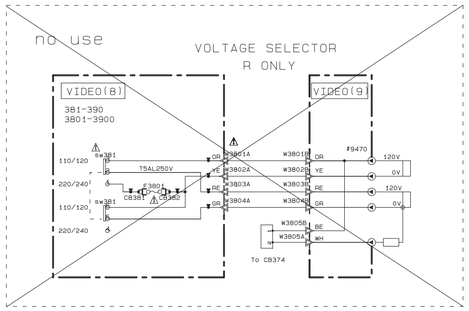

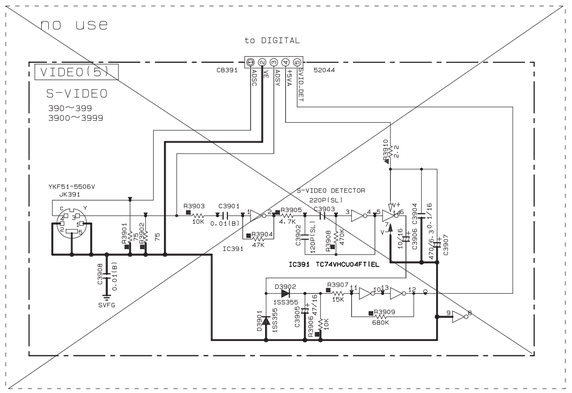

VIDEO (10) A model