SECTION 4
CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components identified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

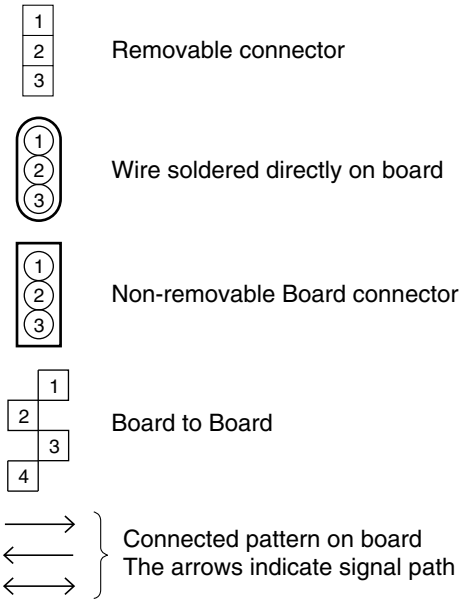
1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ (1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in μF, (P: PF).
3) All inductance values are in μH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

2. Indications of control voltage

AUX : Active at high.

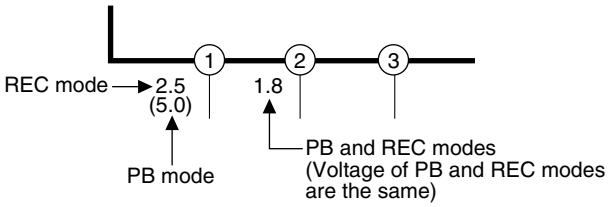
$\overline{AUX}$ or AUX(L) : Active at low.

3. Interpreting Connector indications



4. Voltage measurement

1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
4) Indication on schematic diagram
   Voltage Indications for REC and PB mode on the schematic diagram are as shown below.

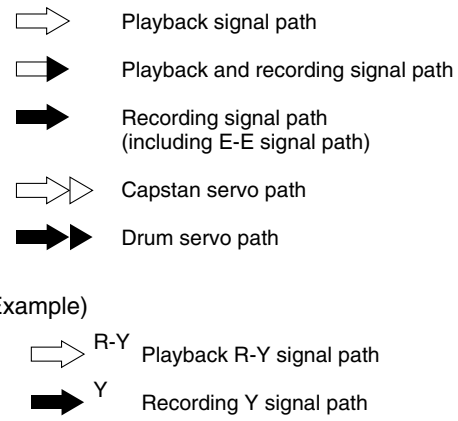


Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

5. Signal path Symbols

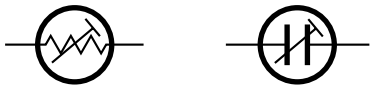
The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.



6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.

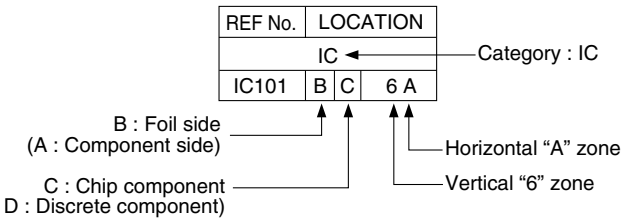
CIRCUIT BOARD NOTES

1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

2. Parts location guides

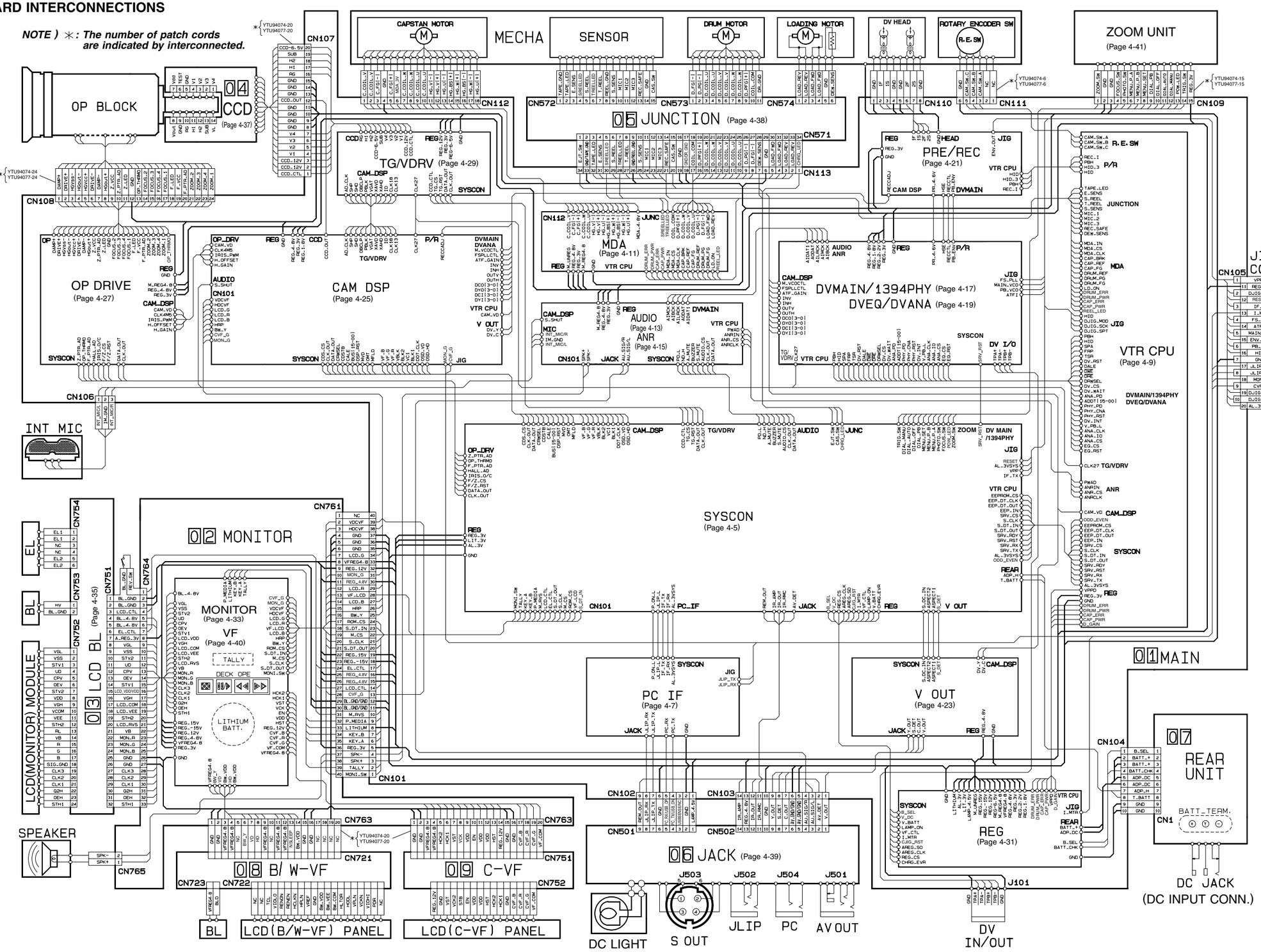
Parts location are indicated by guide scale on the circuit board.



Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

4.1 BOARD INTERCONNECTIONS

NOTE) ∗: The number of patch cords are indicated by interconnected.



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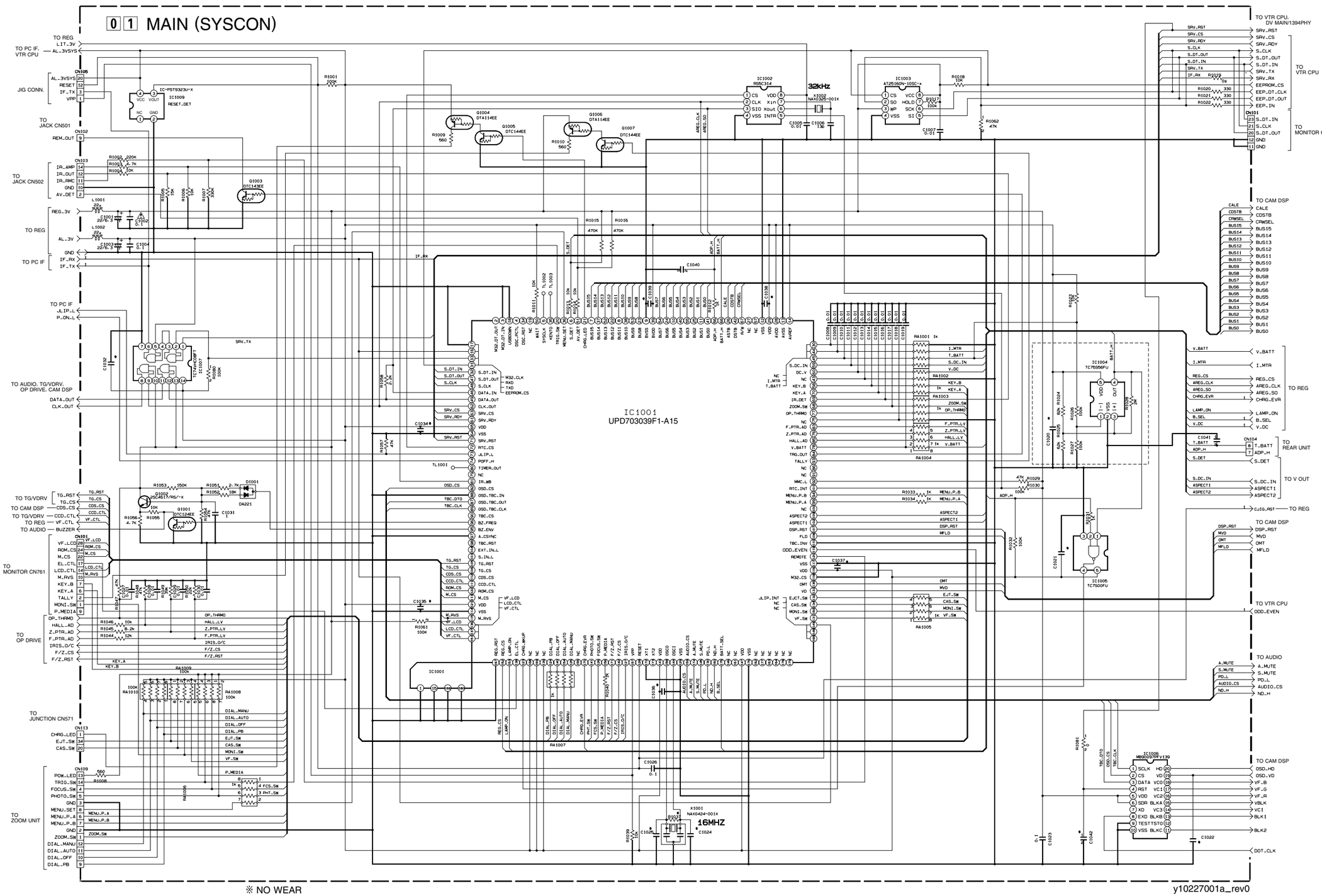
4.2 SYSCON SCHEMATIC DIAGRAM

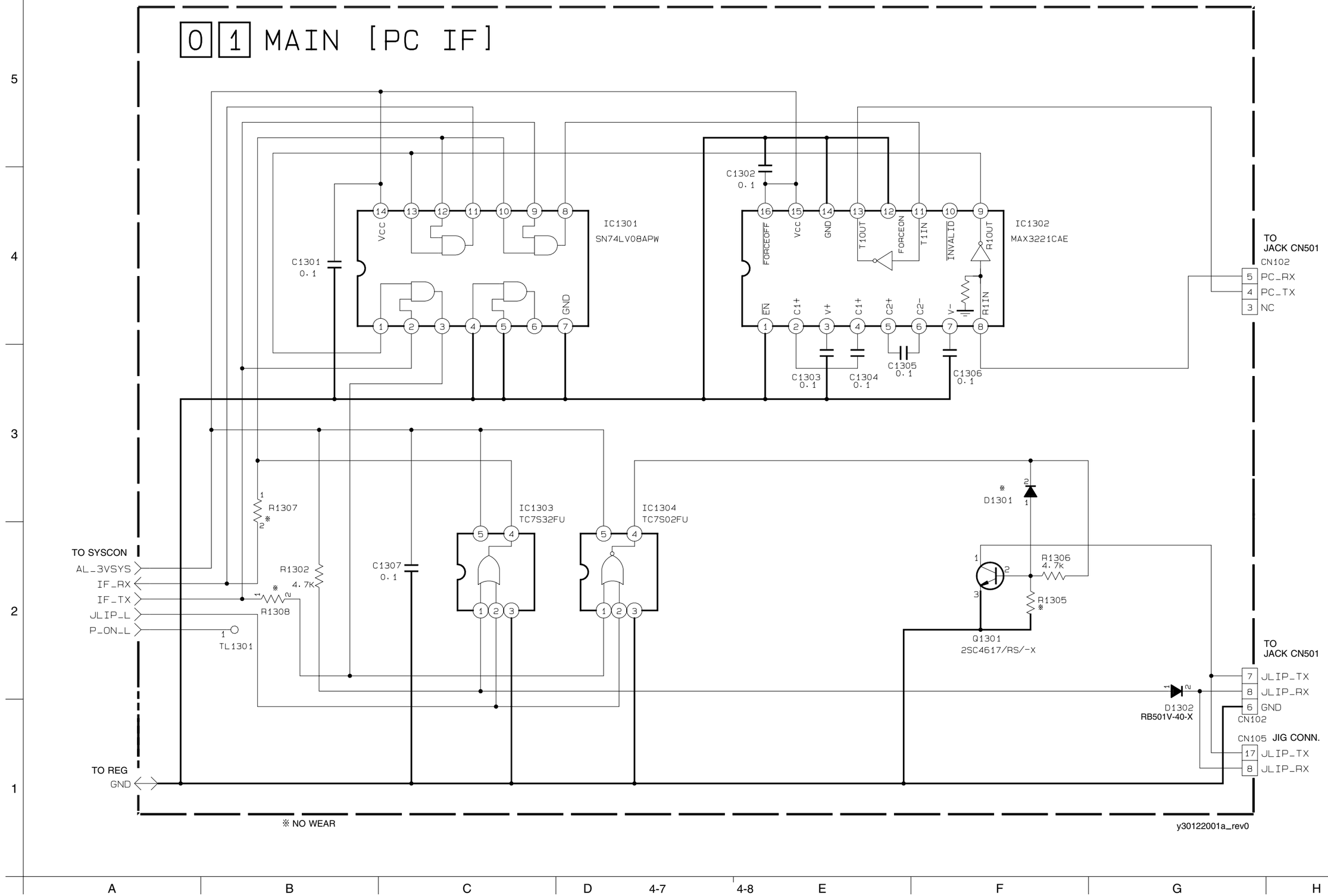
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



A B C D E F G H
1 2 3 4 5
4-5 4-6

4.3 PC IF SCHEMATIC DIAGRAM

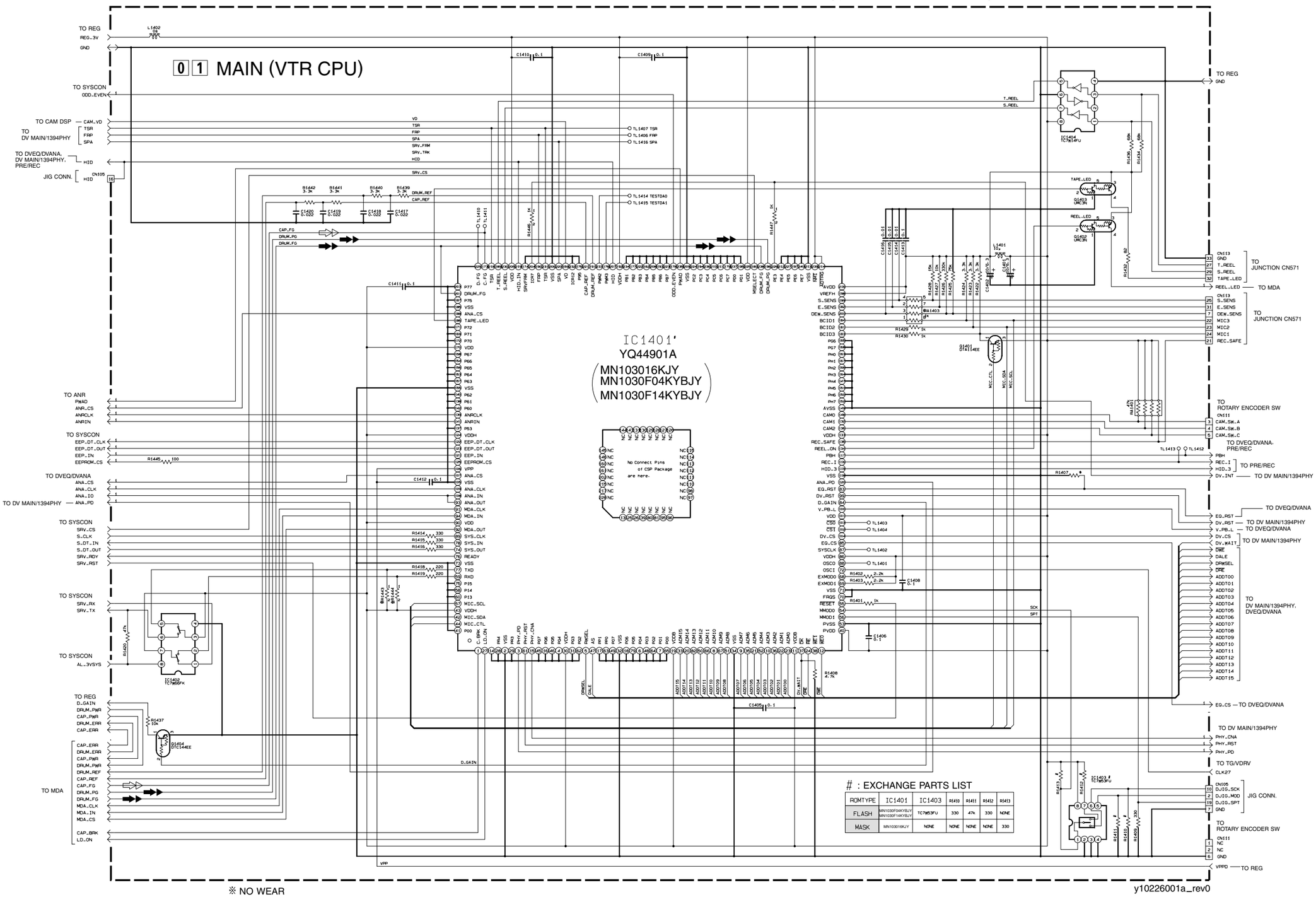
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



A B C D 4-7 4-8 E F G H

4.4 VTR CPU SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

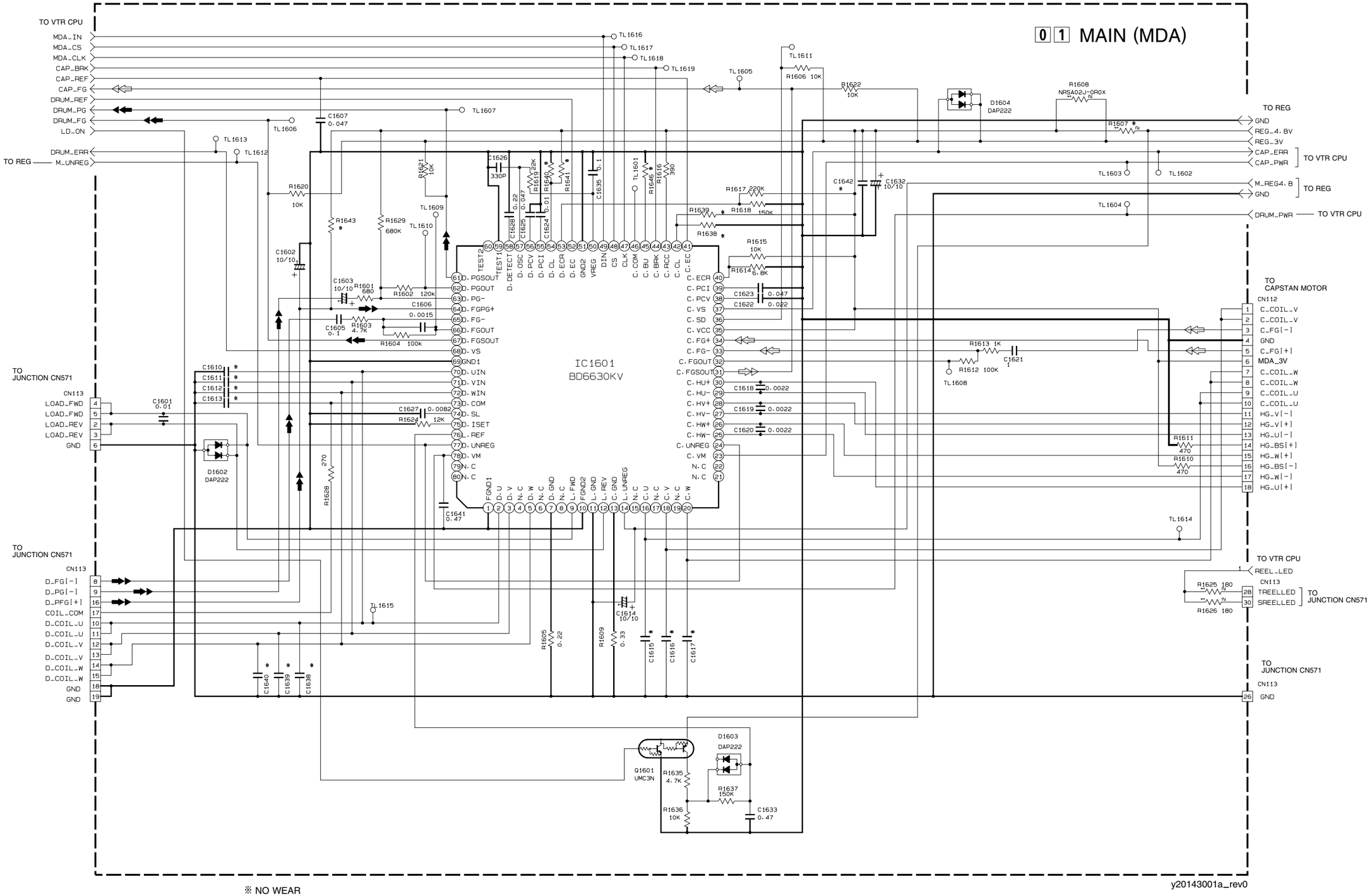


: EXCHANGE PARTS LIST

ROMTYPE	IC1401	IC1403	R1410	R1411	R1412	R1413
FLASH	MN1030F04KYBJY MN1030F14KYBJY	TC7W53FU	330	47k	330	NONE
MASK	MN103016KJY	NONE	NONE	NONE	NONE	330

4.5 MDA SCHEMATIC DIAGRAM

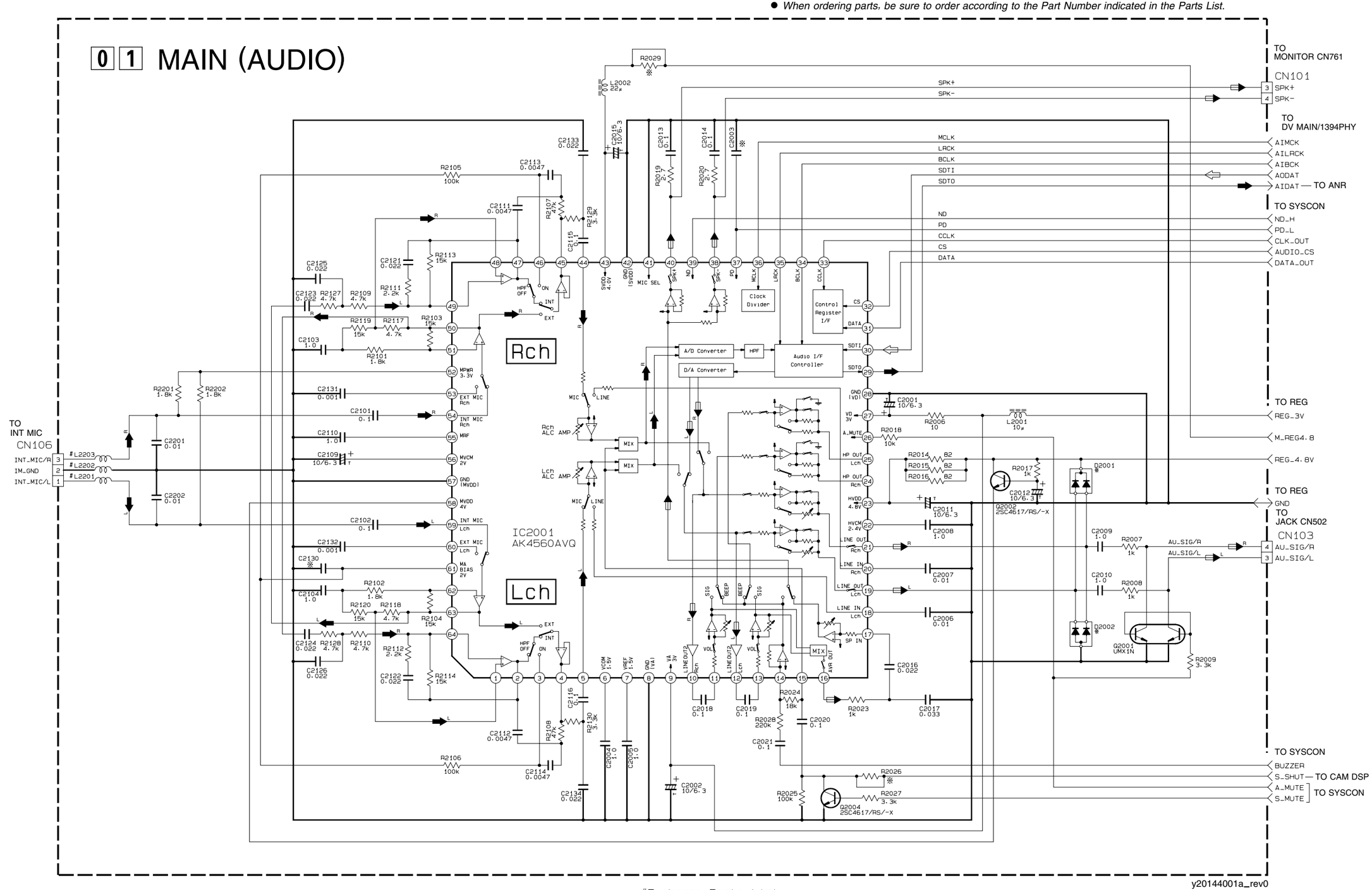
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



A B C D 4-11 4-12 E F G H

4.6 AUDIO SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



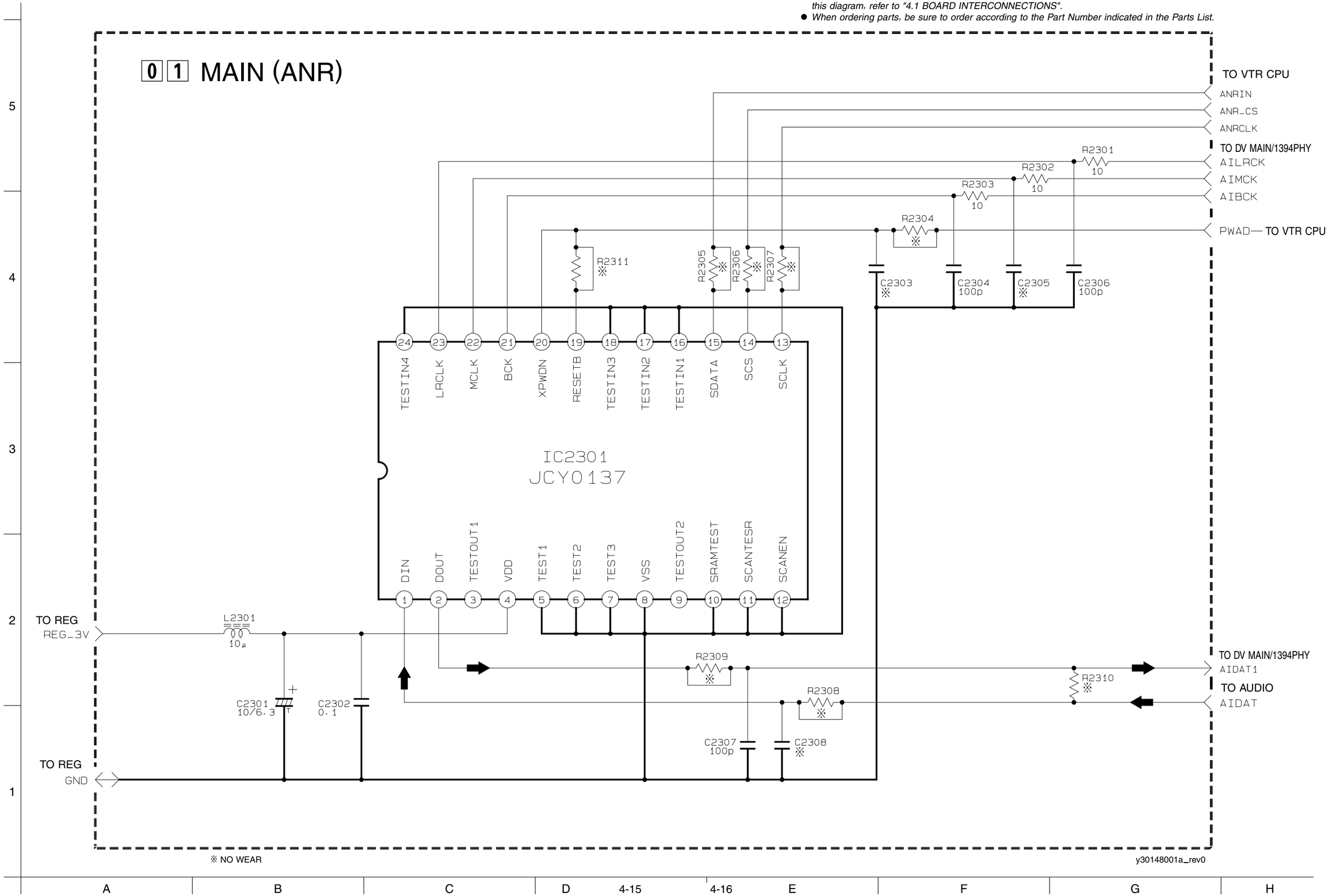
※ NO WEAR

#Exchange Parts List

	DOM	OTHER
L2201	NQR0269-013X	NRSA63J-0R0X
L2202	NQR0269-013X	NRSA63J-0R0X
L2203	NQR0269-013X	NRSA63J-0R0X

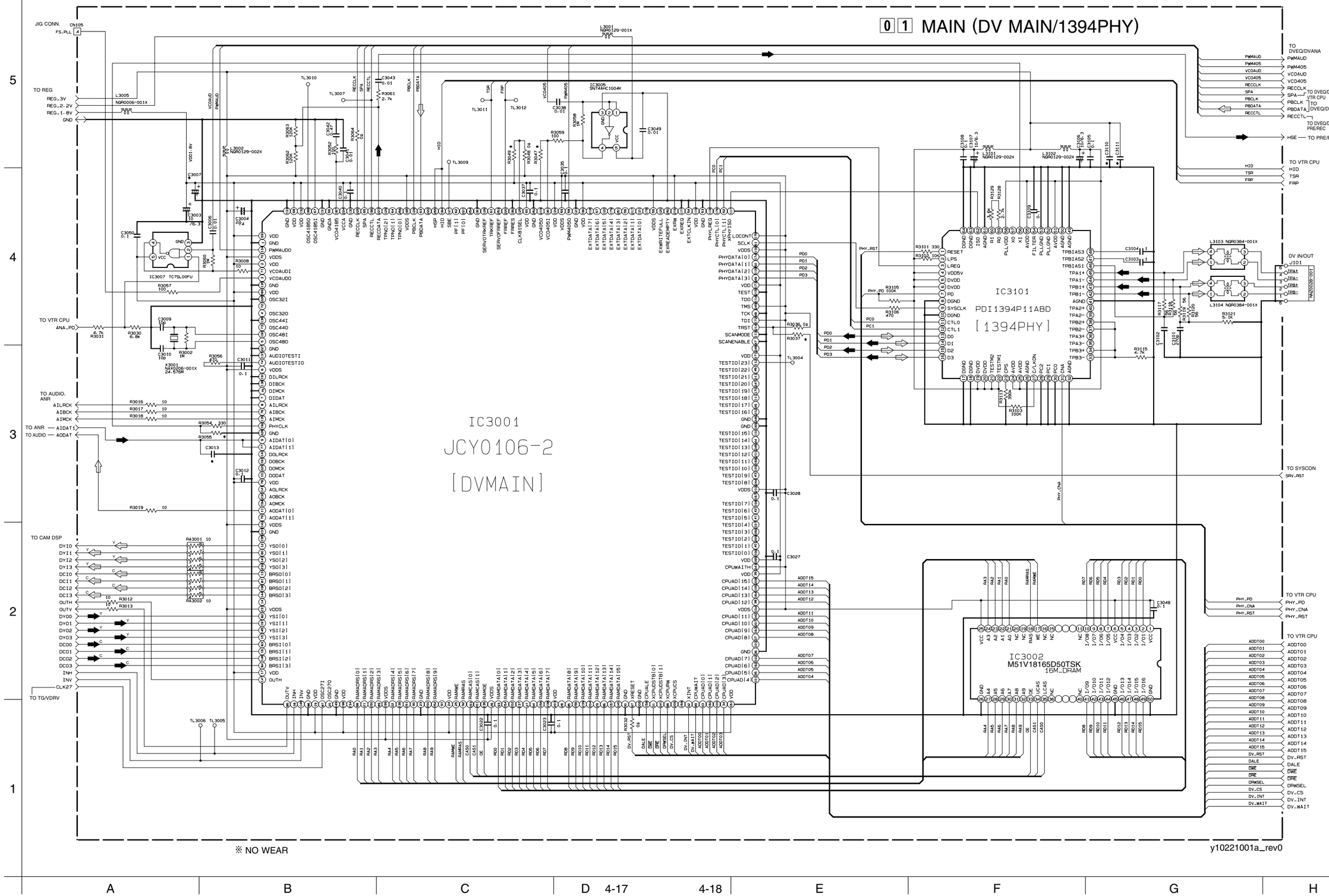
4.7 ANR SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



4.8 DV MAIN/1394PHY SCHEMATIC DIAGRAM

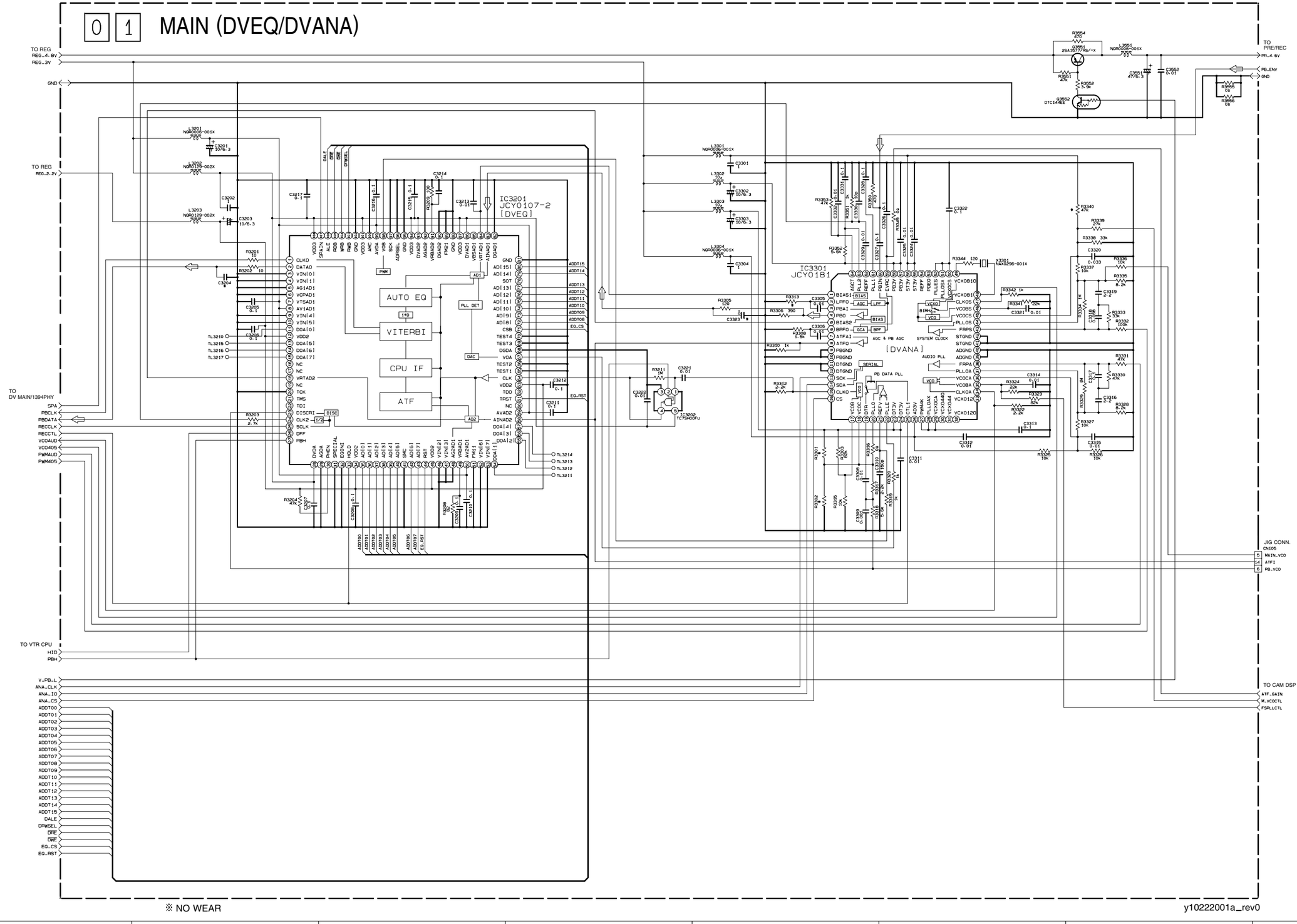
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



A | B | C | D 4-17 4-18 | E | F | G | H

4.9 DVEQ/DVANA SCHEMATIC DIAGRAM

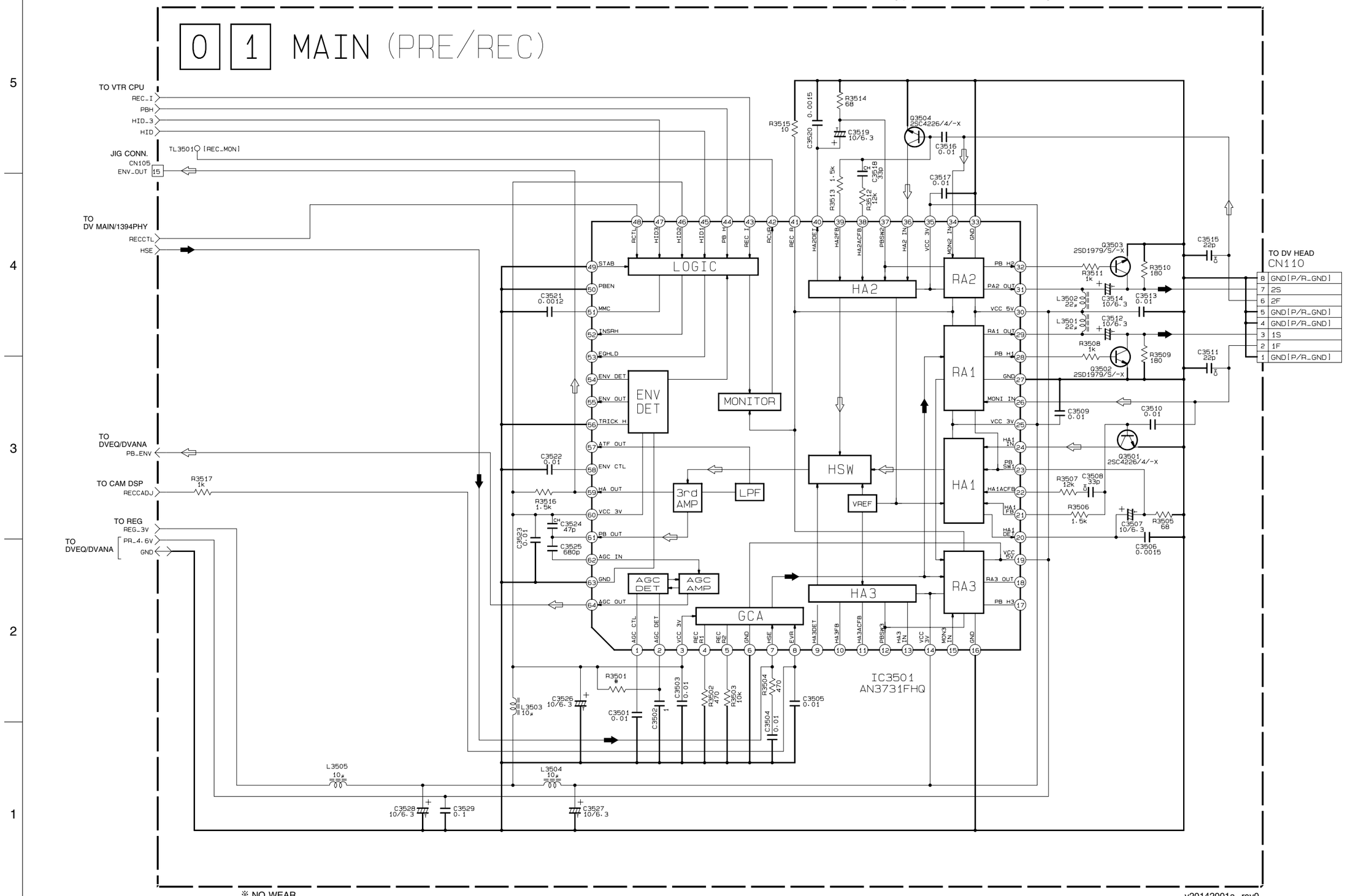
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



A B C D 4-19 4-20 E F G H

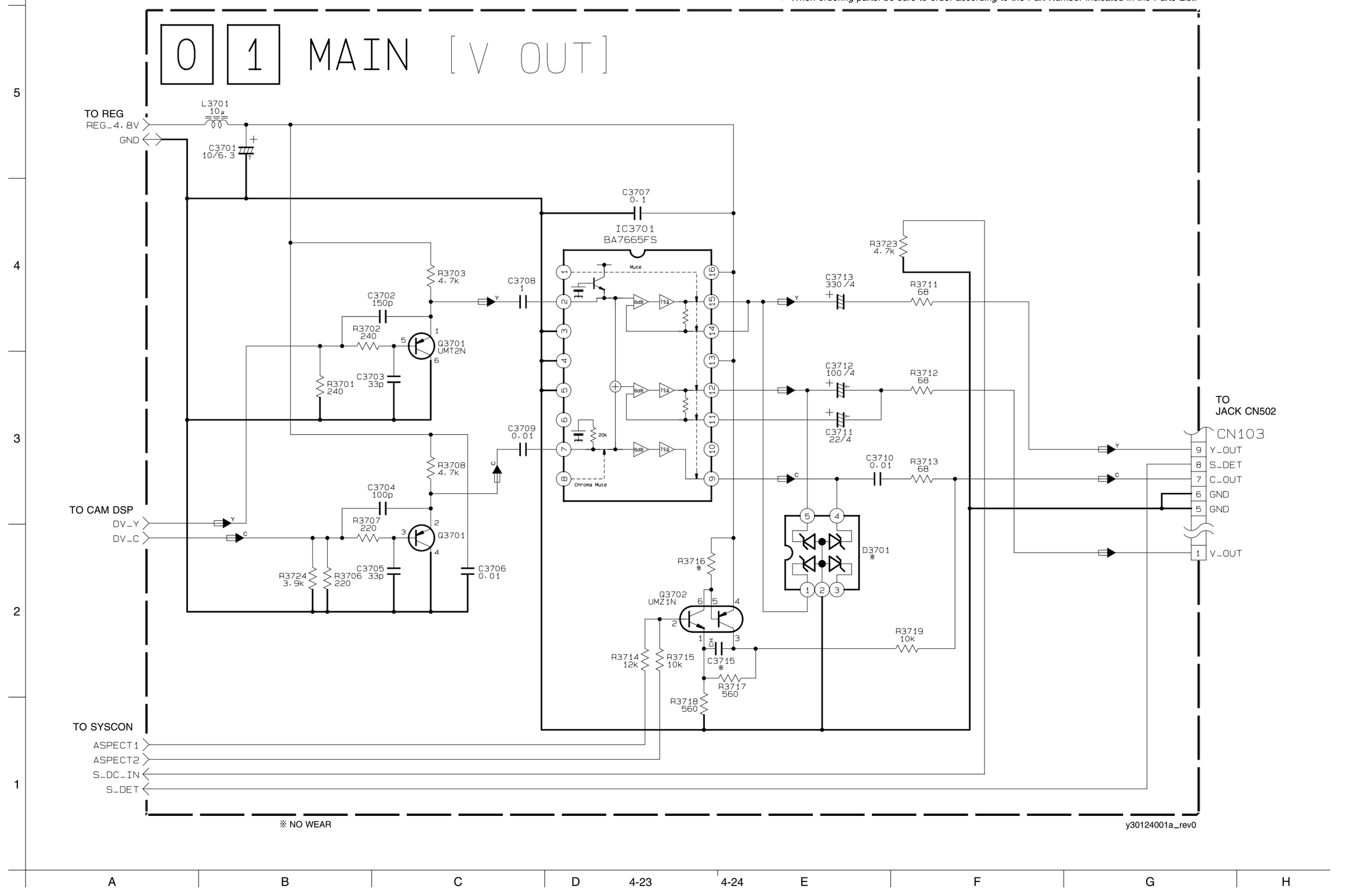
4.10 PRE/REC SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



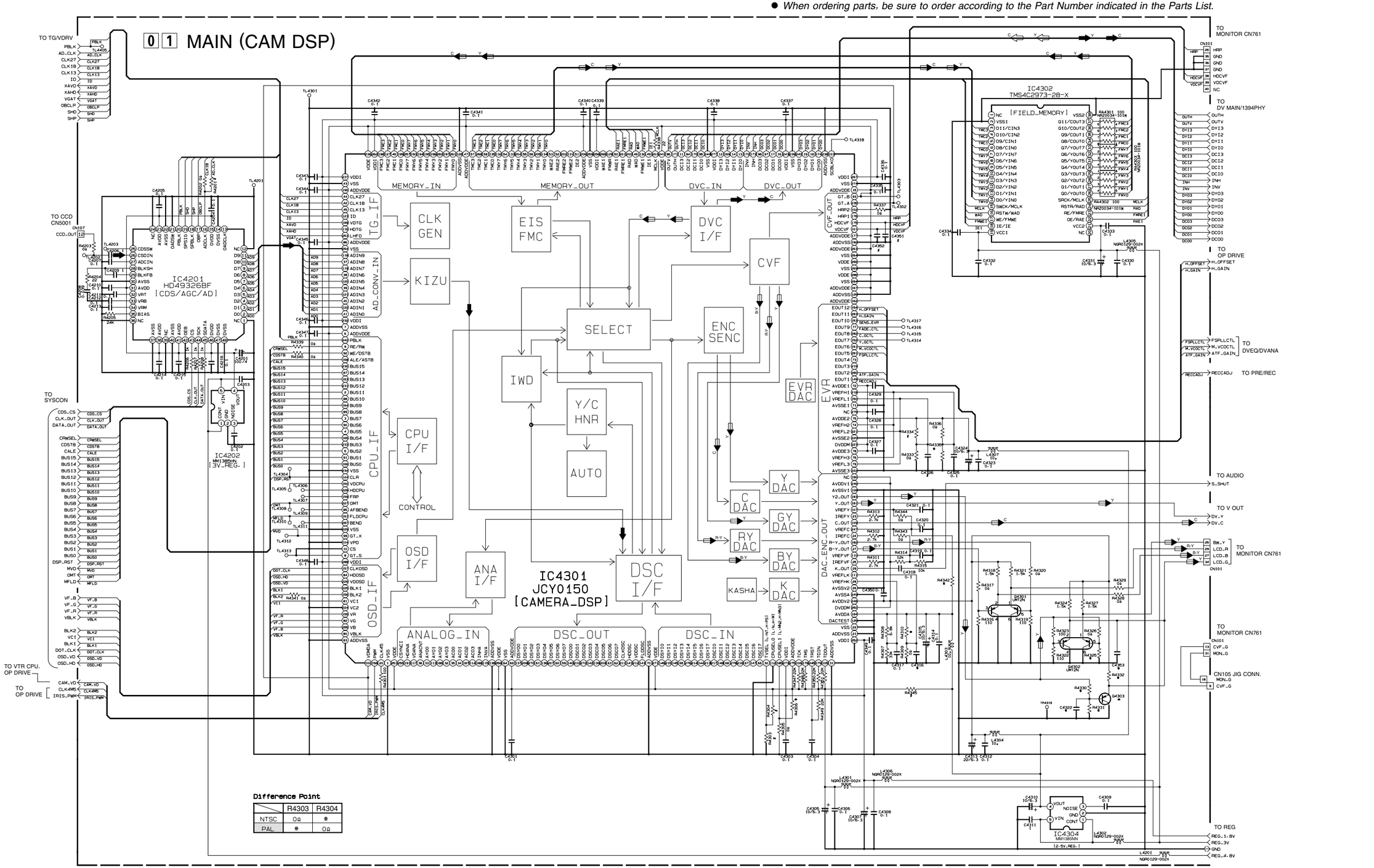
4.11 V OUT SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



4.12 CAM DSP SCHEMATIC DIAGRAM

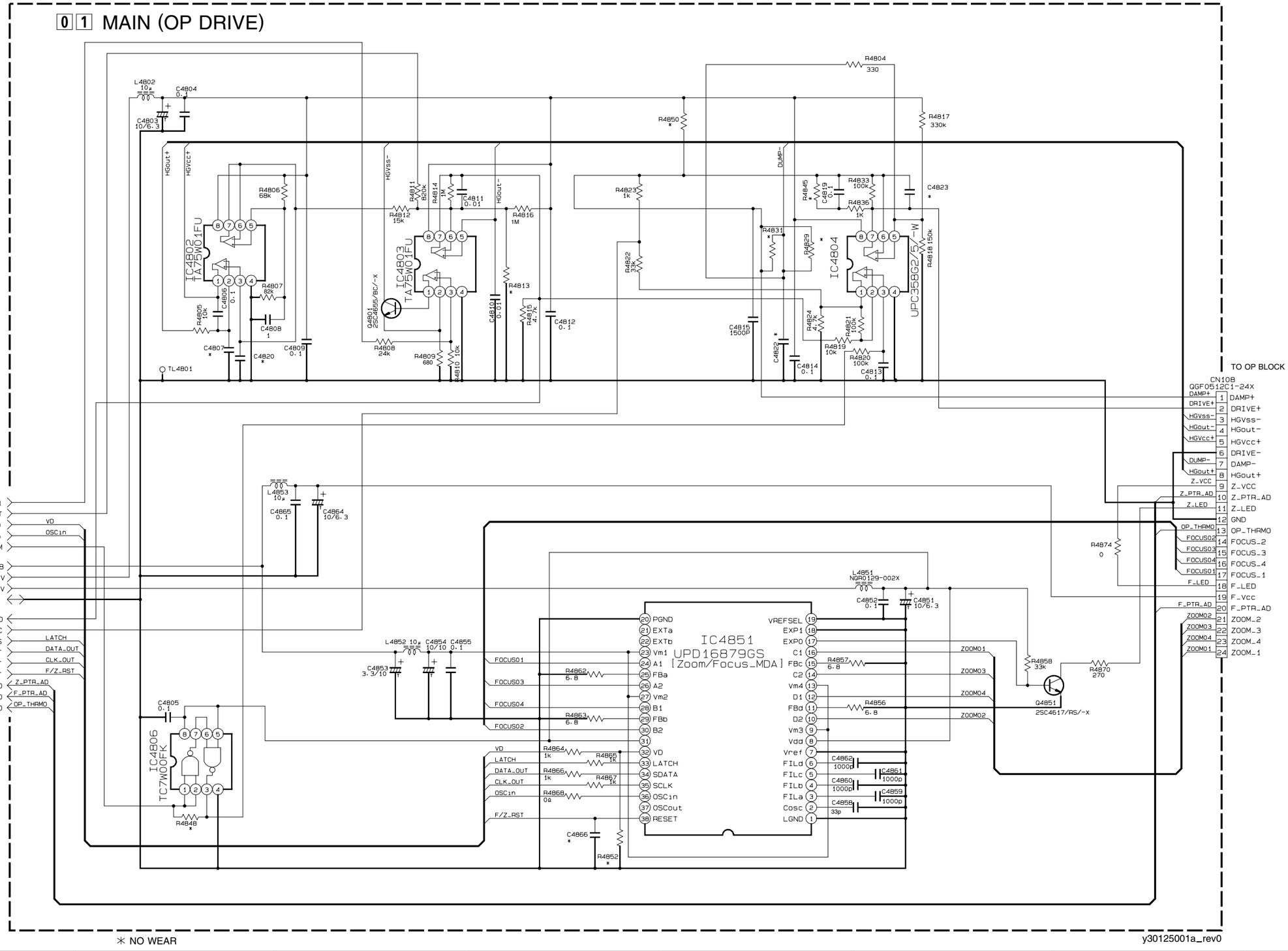
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



A B C D 4-25 4-26 E F G H

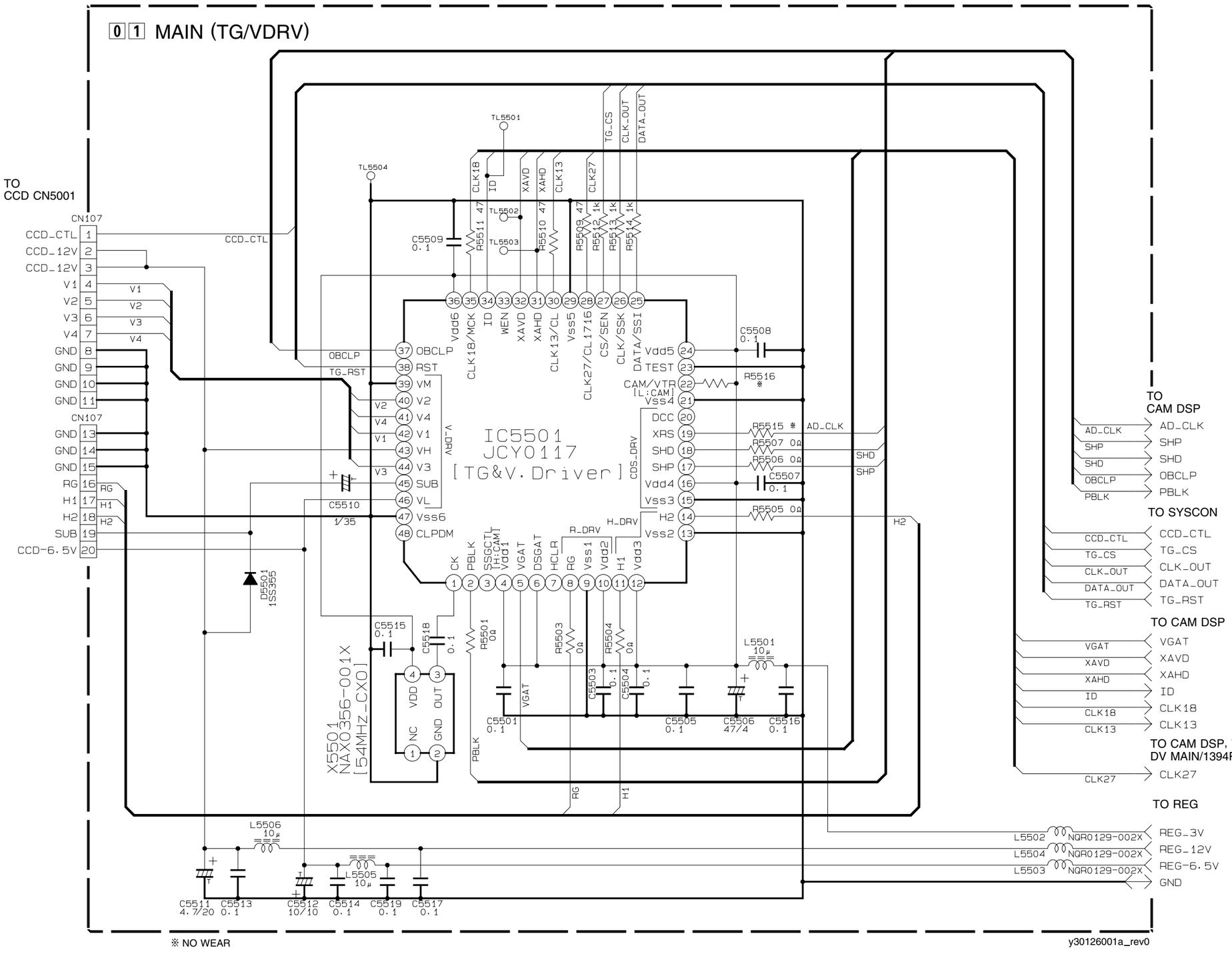
4.13 OP DRIVE SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



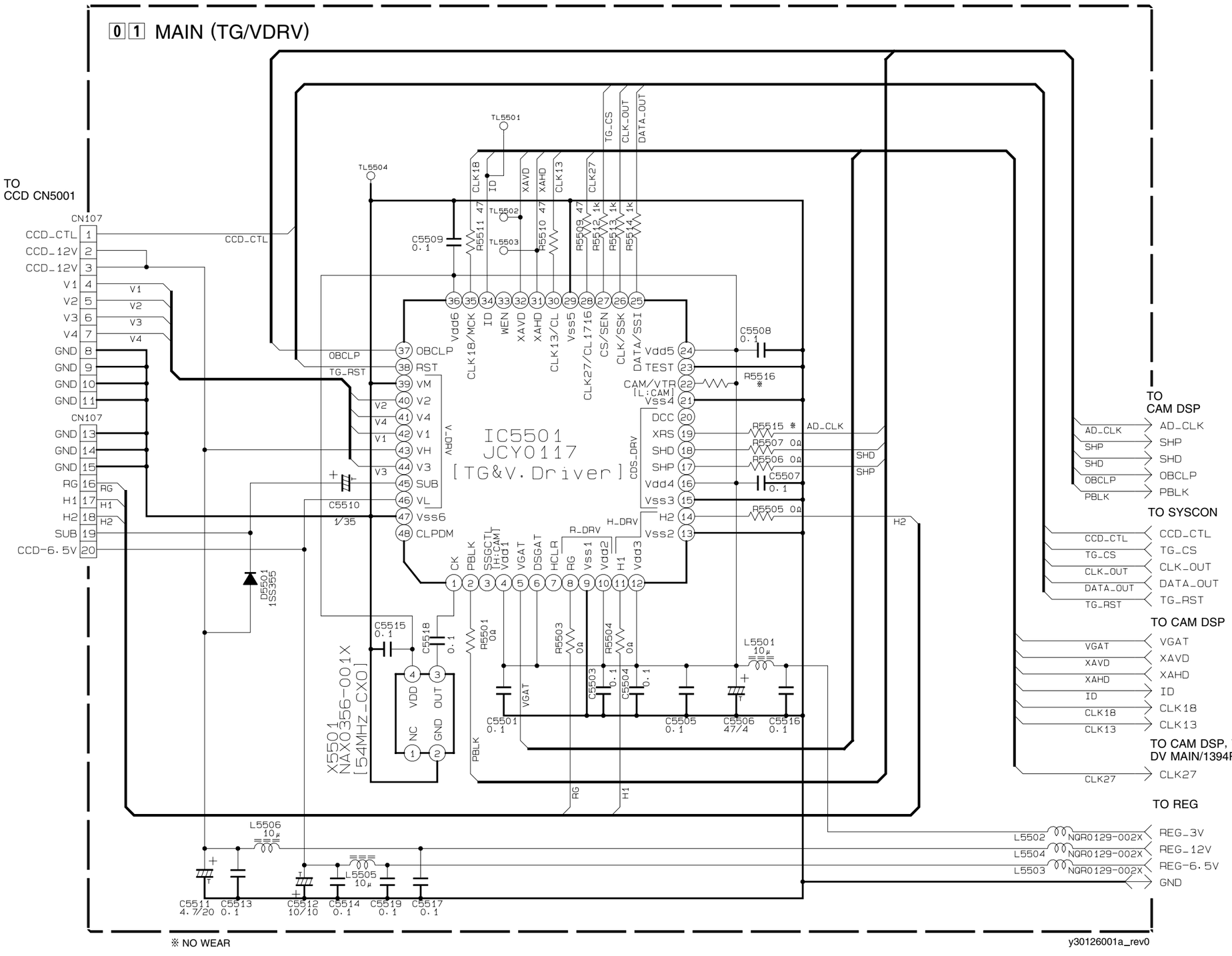
4.14 TG/VDRV SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



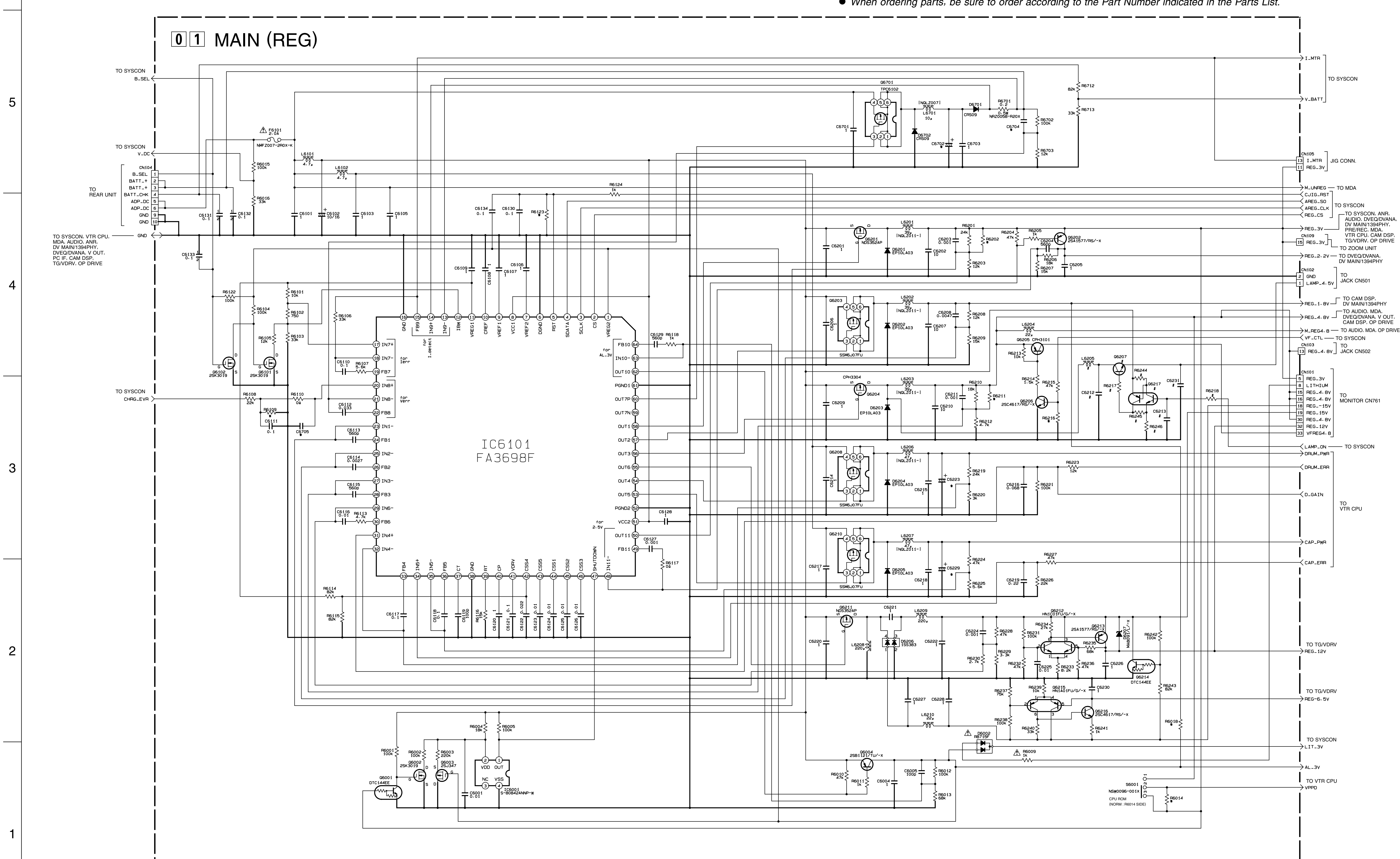
4.14 TG/VDRV SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



4.15 REG SCHEMATIC DIAGRAM

NOTES :
- For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
- When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



※ NO WEAR

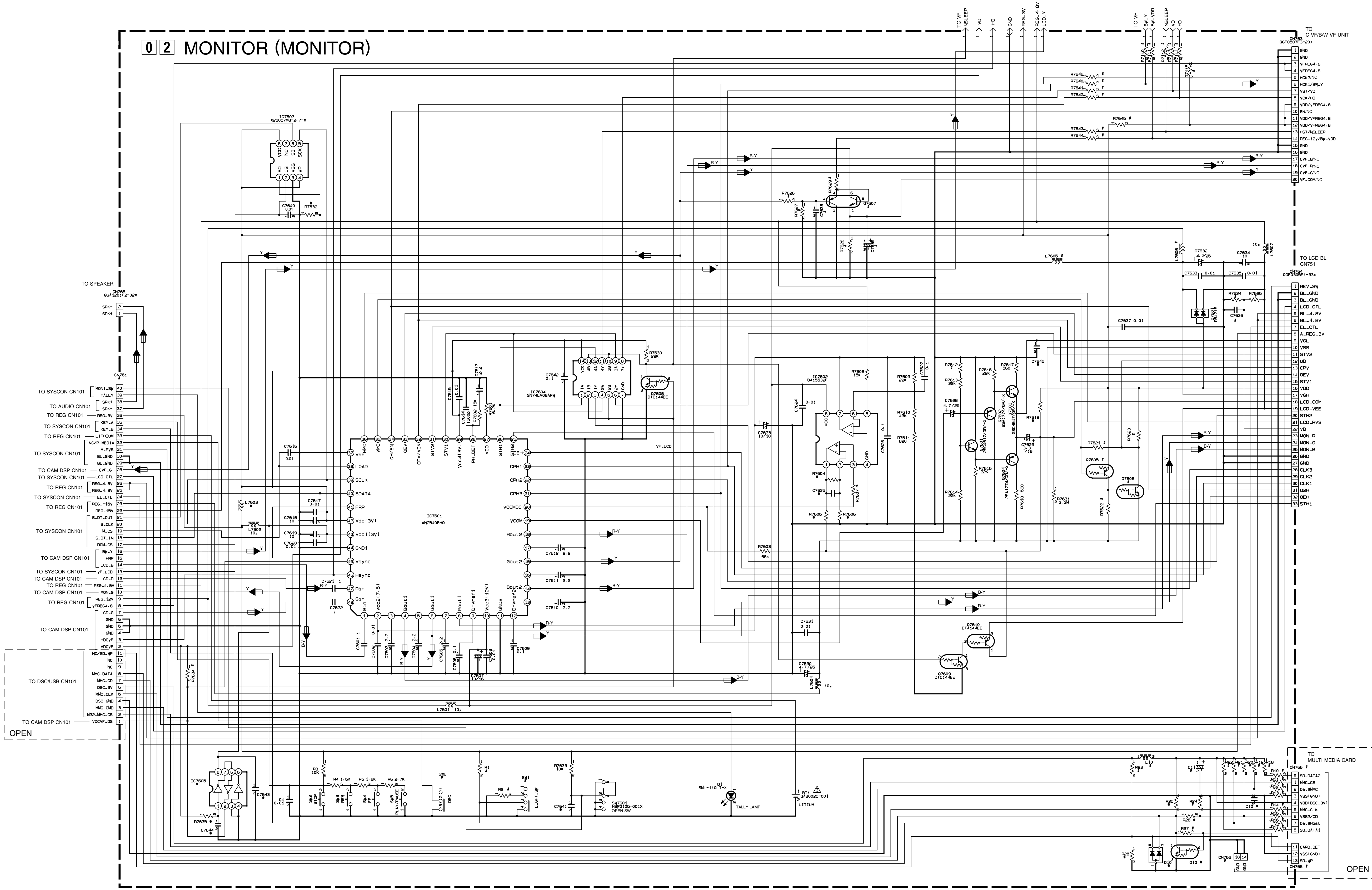
: EXCHANGE PARTS LIST

	L6205	Q6207	Q6217	R6217	R6218	R6244	R6245	R6246	C6212	C6213	C6231
with LIGHT	10μ	2SD1621/TU/-X	UMZ1N	150	100k	1.5k	5.6k	2.2k	0.1	1	0.01
without LIGHT	open	open	open	open	open	open	open	open	open	open	open

A B C D E F G H

4.16 MONITOR SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



	R7110	R7111	R7112	R7113	R7114	R7115	Q7607	R7626	R7627	R7628	R7629	R7640	R7641	R7642	R7643	R7644	R7645	R7646	C7638	C7639
CVF MODEL	*	*	*	*	*	*	UMZ1N	18K	330K	220K	39K	0	0	0	0	0	0	0	2.2	10/10
B/W VF MODEL	0	0	0	0	0	0	*	*	*	*	*	*	*	*	*	*	*	*	*	*

	Q7605	Q7606	L7605	L7606	R7612	R7621	R7622	R7623	R7624	R7625	C7636
2.5inch MODEL	*	*	10	*	22K	0	*	*	*	*	*
3/3.5inch MODEL	DTA144EE	DTC144EE	*	10	6.8K	*	22K	22K	22K	22K	0.1

	R7634	CN761	CN766	SW6	R10	R11	R12	R13	R14	R15	R16	R17	R18	R19	R21	R22	R23	R24	R27	C11	L10
With DSC	*	QGF0508F1-50X	NNZ0052-001X	NSW0099-001X	0	0	0	0	0	0	0	0	47K	10K	10K	47K	100K	0	0	10/6.3	NQR0129-002X
Without DSC	0	QGF0508F1-40X	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

	R1	R2	SW1
With LIGHT	10K	10K	NSW0092-001X
Without LIGHT	*	*	*

※ NO WEAR

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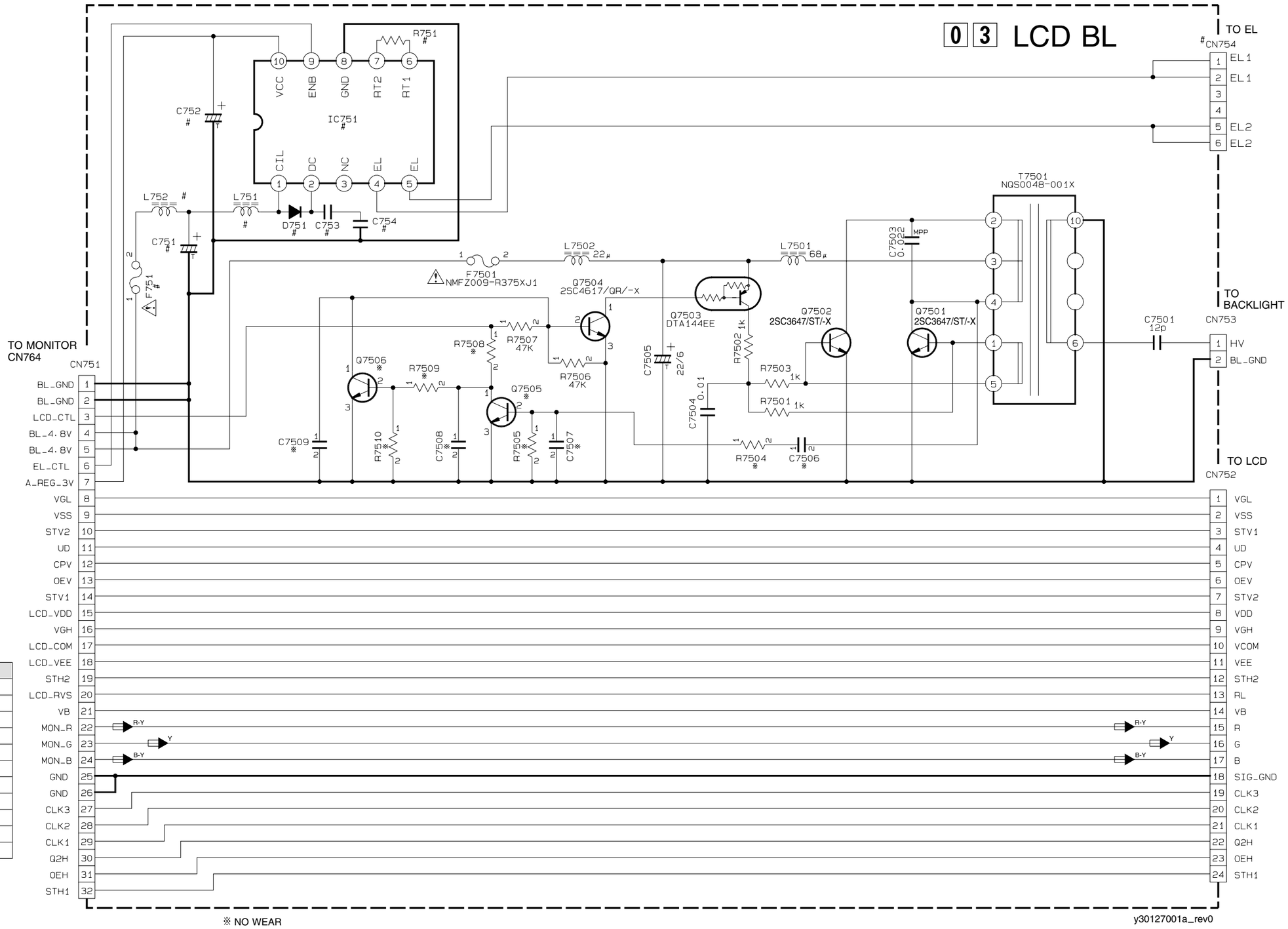
4.17 LCD BL SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



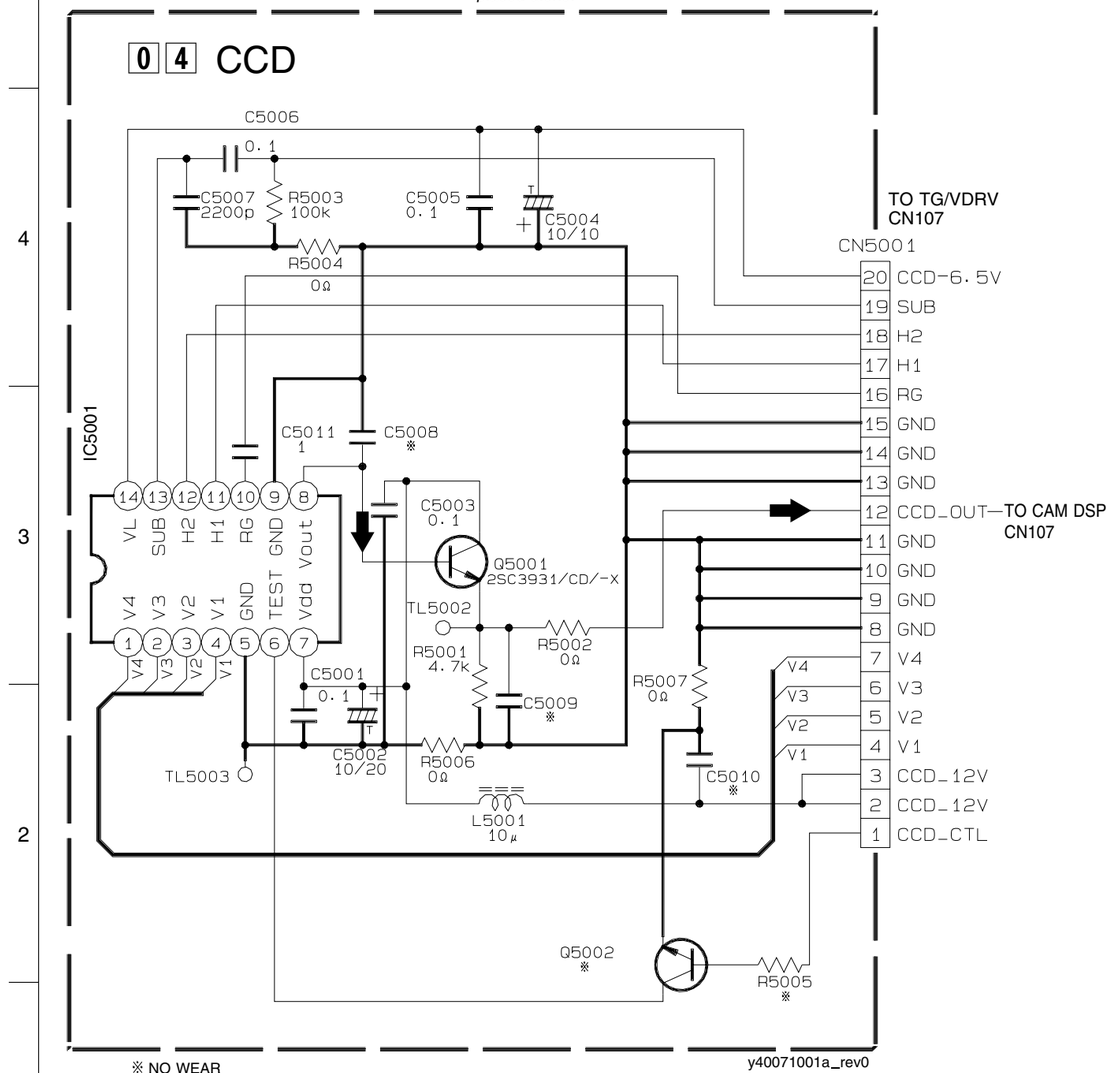
: EXCHANGE PARTS LIST

	With EL	Without EL
IC751	MIP805	※
F751	NMFZ007-R20X-K	※
D751	1SS376	※
L751	680	※
L752	10	※
R751	100K	※
C751	10/6.3	※
C752	10/6.3	※
C753	2200p	※
C754	2200p	※
CN754	QGF0505F2-06X	※

4.18 CCD SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

● *IC5001 is incorporated in the CCD base assembly. When IC5001 needs replacement, replace the CCD base assembly in whole because it cannot be replaced alone.*



※ NO WEAR

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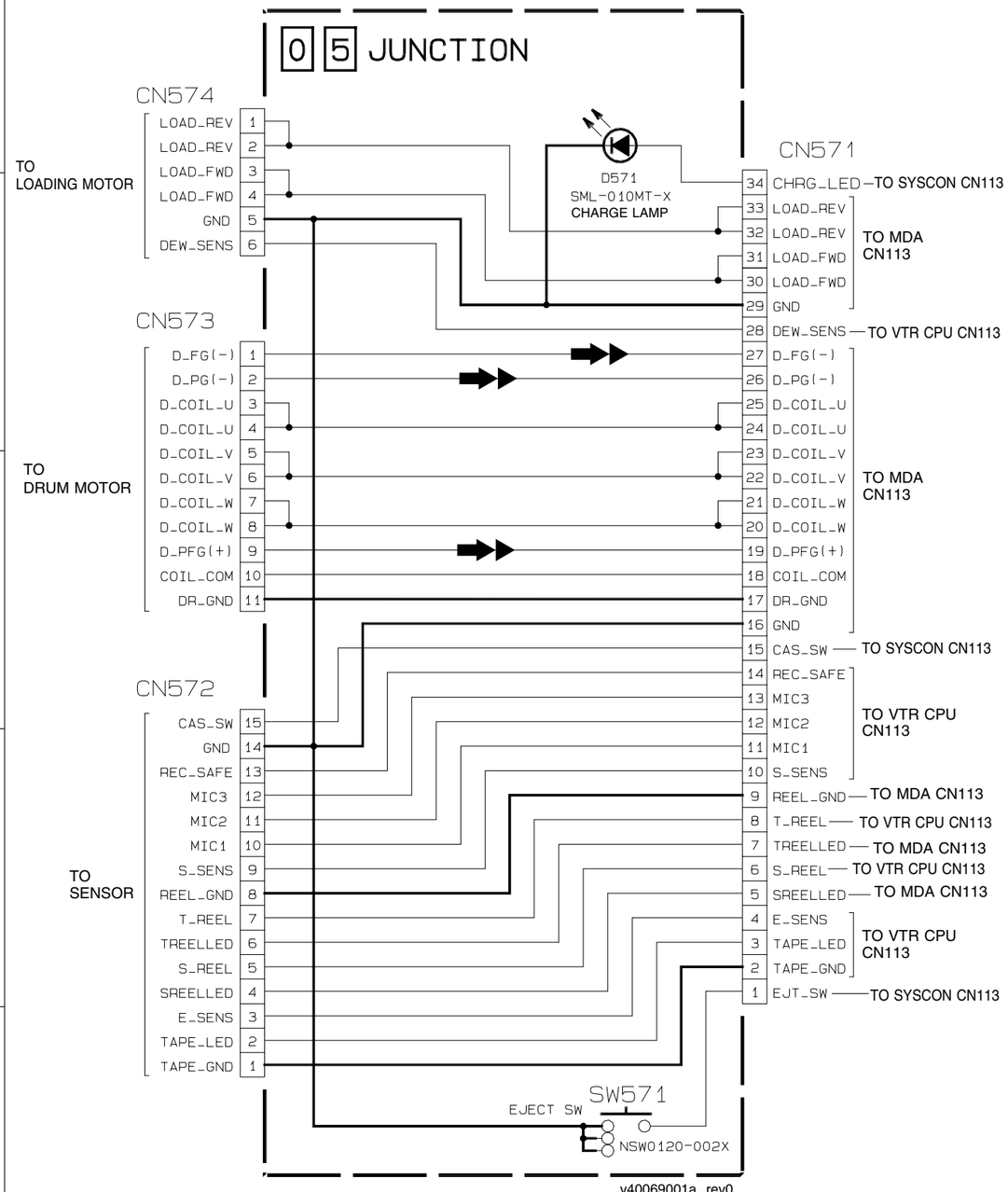
4.19 JUNCTION SCHEMATIC DIAGRAM

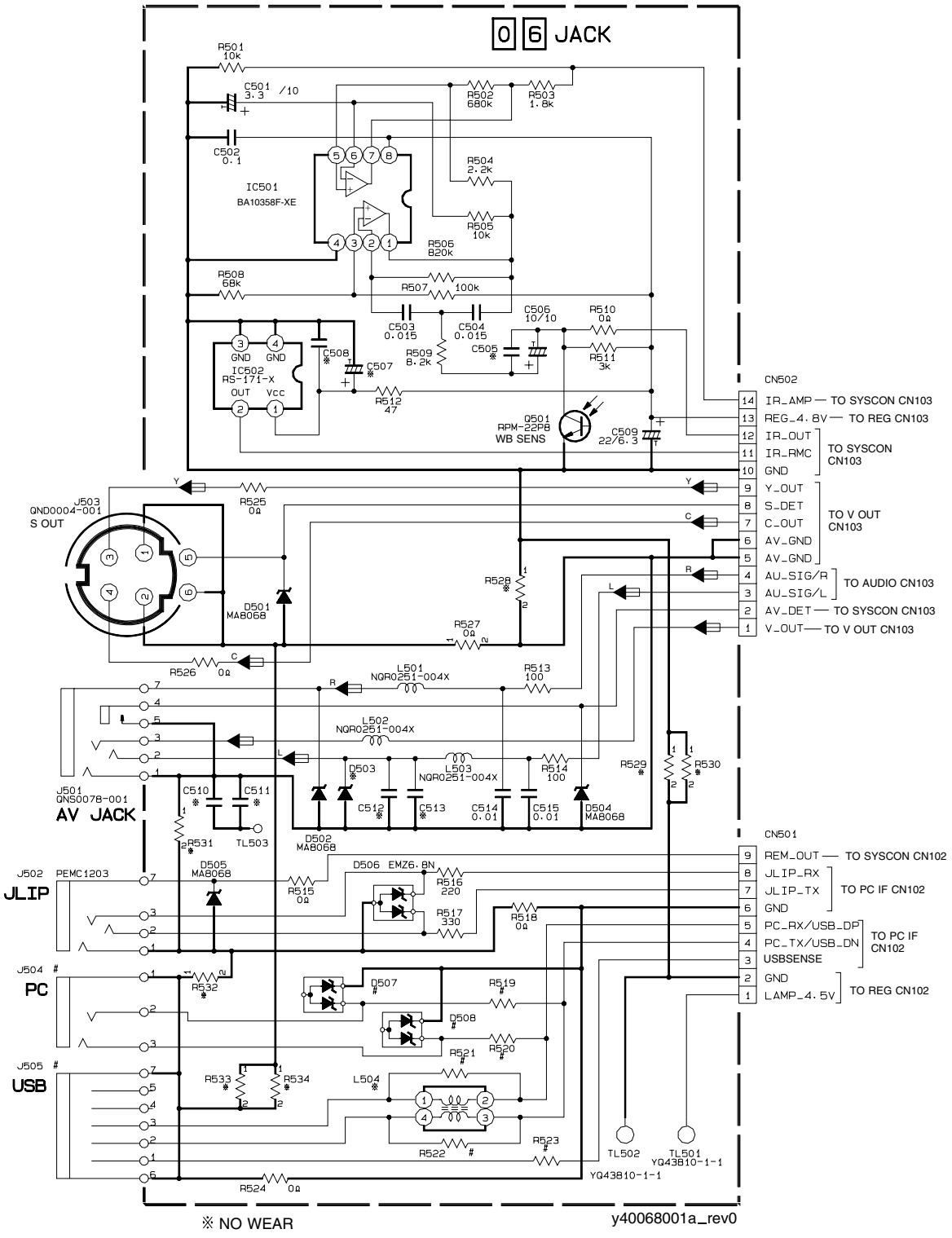
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



y40069001a_rev0

4.20 JACK SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

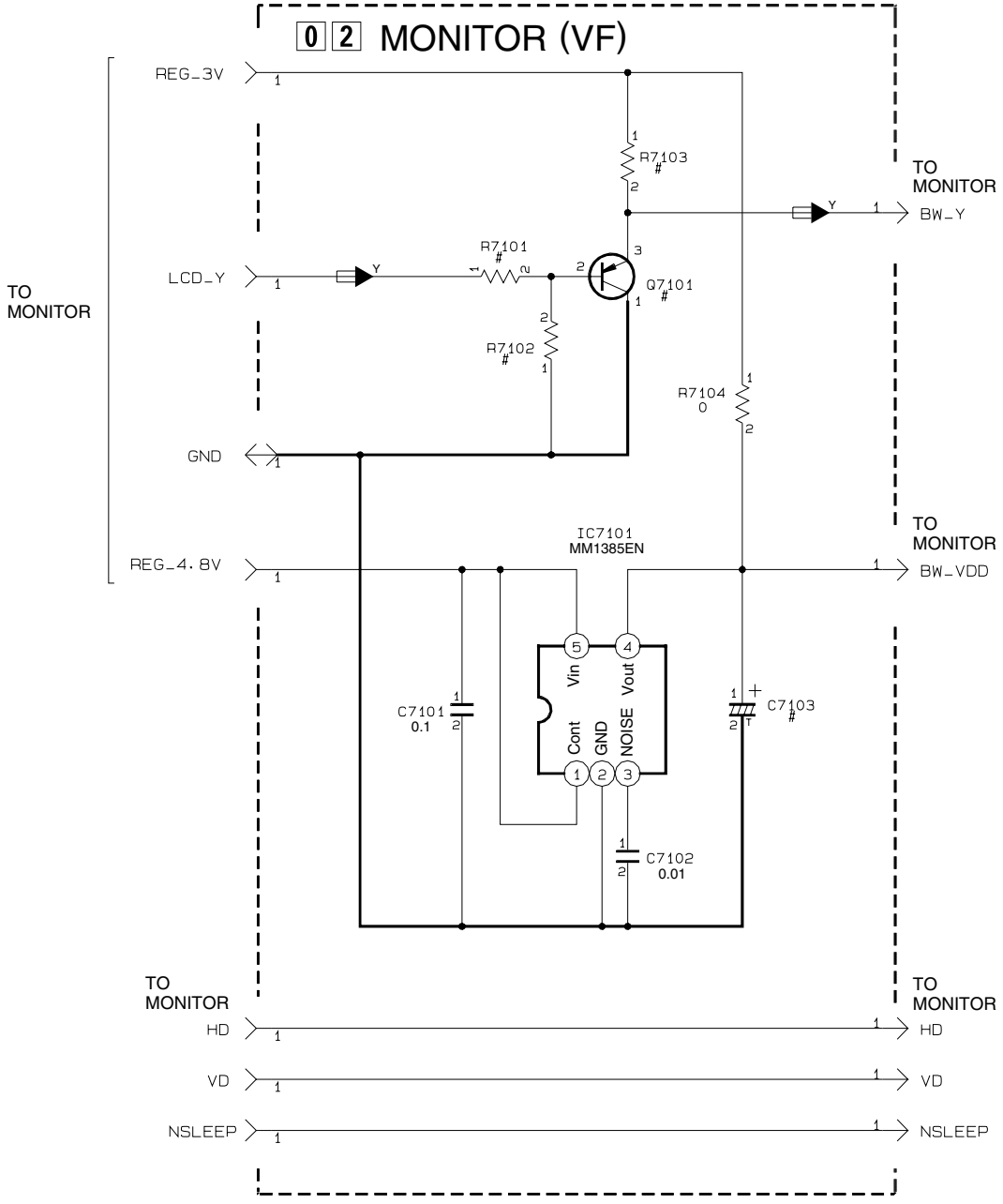


EXCHANGE PARTS LIST

	J504	J505	R519, R520	R521~R523	D507, D508
Without DSC	QNS0152-001	※	330	※	EMZ6.8N-X
With DSC	※	QNZ0497-001	※	0Ω	※

4.21 VF SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



y40070001a_rev0

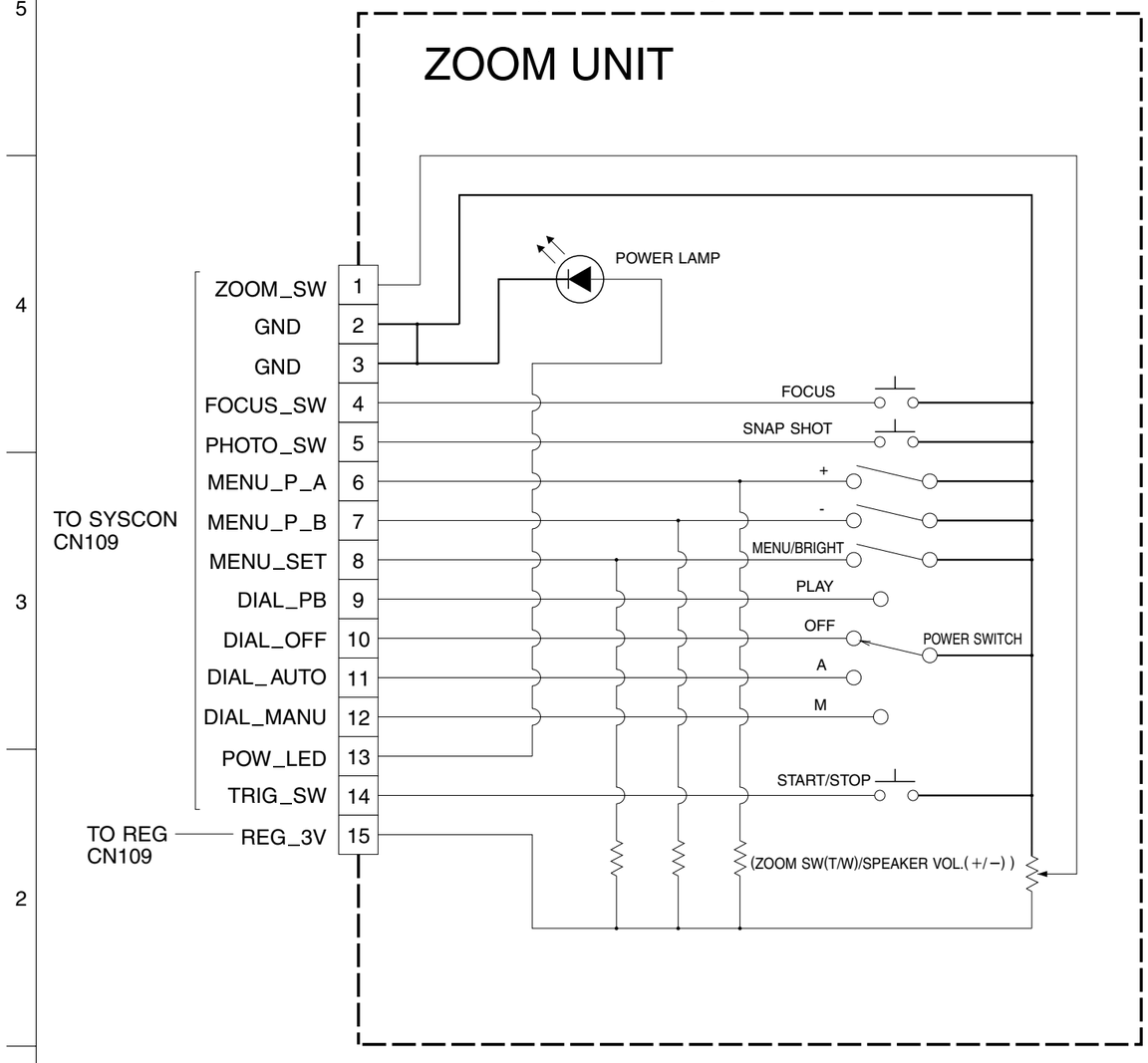
※ NO WEAR

#: EXCHANGE PARTS LIST

	CVF MODEL	B/W VF MODEL
Q7101	※	2SA1774/QR/-X
R7101	※	5.6K
R7102	※	5.6K
R7103	※	10K
C7103	※	4.7/6.3

4.22 ZOOM UNIT SCHEMATIC DIAGRAM

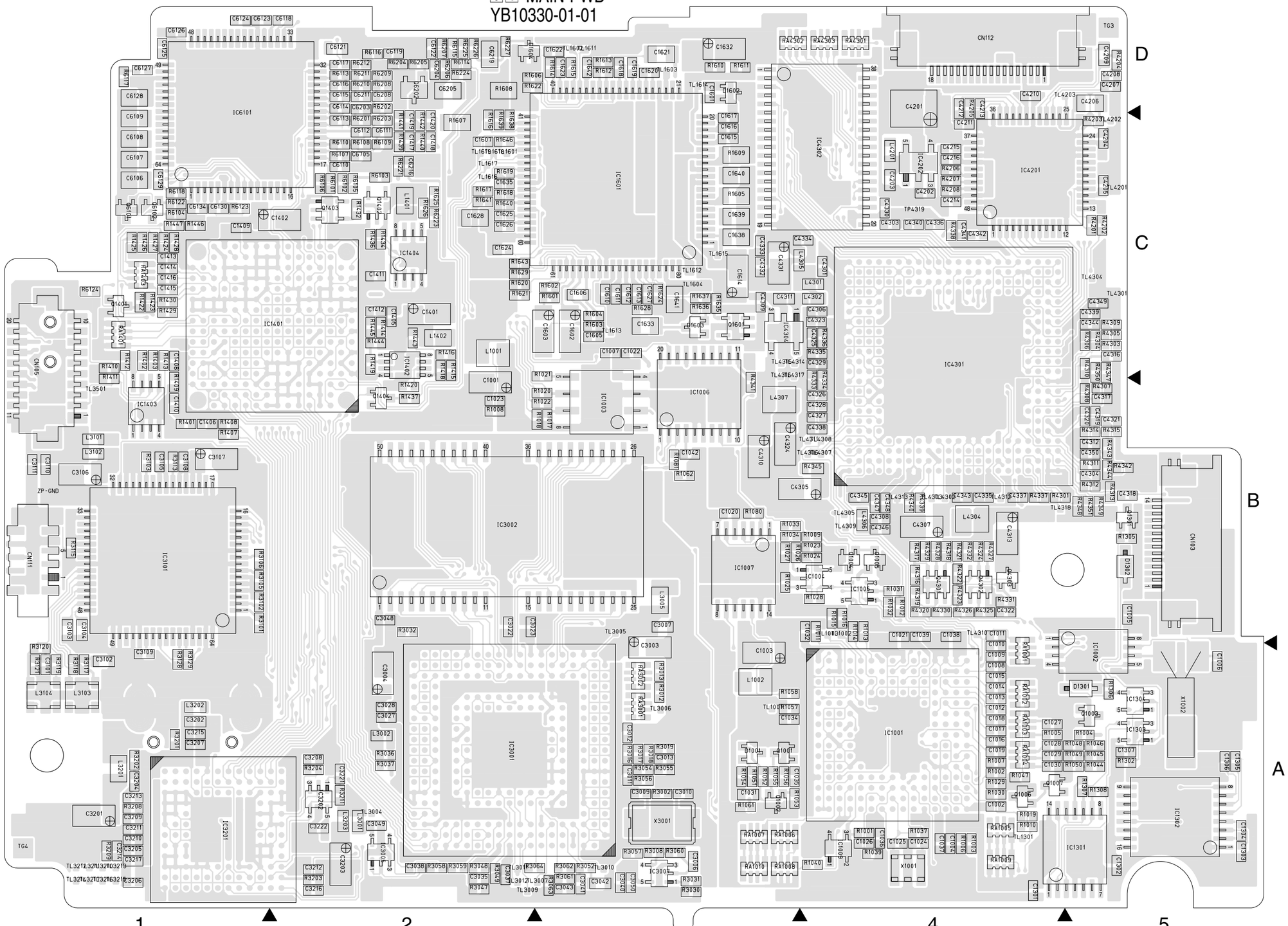
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *The schematic diagram is only for reference. Avoid replacing individual parts. Replace the entire unit only.*



4.23 MAIN CIRCUIT BOARD

FOIL SIDE(B)

01 MAIN PWB
YB10330-01-01



COMPONENT PARTS LOCATION GUIDE <MAIN>

REF.NO.	LOCATION		
CAPACITOR			
C1001	B	C	2B
C1002	B	C	4A
C1003	B	C	3A
C1004	B	C	4A
C1005	B	C	5B
C1006	B	C	5A
C1007	B	C	3C
C1008	B	C	4A
C1009	B	C	4A
C1010	B	C	4A
C1011	B	C	4B
C1012	B	C	4A
C1013	B	C	4A
C1014	B	C	4A
C1015	B	C	4A
C1016	B	C	4A
C1017	B	C	4A
C1018	B	C	4A
C1019	B	C	4A
C1020	B	C	3B
C1021	B	C	4B
C1022	B	C	3C
C1023	B	C	2B
C1024	B	C	4A
C1025	B	C	4A
C1026	B	C	4A
C1027	B	C	4A
C1028	B	C	4A
C1029	B	C	4A
C1030	B	C	4A
C1031	B	C	3A
C1032	B	C	4B
C1034	B	C	3A
C1035	B	C	3A
C1036	B	C	4A
C1037	B	C	4A
C1038	B	C	4B
C1039	B	C	4B
C1040	A	C	1B
C1041	A	C	1B
C1042	B	C	3B
C1301	B	C	4A
C1302	B	C	5A
C1303	B	C	5A
C1304	B	C	5A
C1305	B	C	5A
C1306	B	C	5A
C1307	B	C	5A
C1401	B	C	2C
C1402	B	C	2C
C1405	B	C	2C
C1406	B	C	1B
C1408	B	C	1C
C1409	B	C	1C
C1410	B	C	1B
C1411	B	C	2C
C1412	B	C	2C
C1413	B	C	1C
C1414	B	C	1C
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C1418	B	C	2C
C1419	B	C	2C
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C1601	B	C	3D
C1602	B	C	3C
C1603	B	C	3C
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C1626	B	C	2C
C1627	B	C	3C
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C1632	B	C	3D
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C1639	B	C	3C
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C2013	A	C	4A
C2014	A	C	4A
C2015	A	C	5B
C2016	A	C	4A
C2017	A	C	4A
C2018	A	C	4A
C2019	A	C	4A
C2020	A	C	4A
C2021	A	C	4A
C2101	A	C	5A
C2102	A	C	5A
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C3022	B	C	2B
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C6219	B	C	2D
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C6227	A	C	1A
C6228	A	C	1A
C6229	A	C	2C
C6230	A	C	2A
C6231	A	C	5B
C6701	A	C	2C
C6702	A	C	1C
C6703	A	C	1D
C6704	A	C	1C
C6705	B	C	2C
CONNECTOR			
CN101	A	C	3A
CN102	A	C	5B
CN103	B	C	5B
CN104	A	C	1B
CN105	B	C	1B
CN106	A	C	5A
CN107	A	C	4D
CN108	A	C	4C
CN109	A	C	1D
CN110	A	C	2D
CN111	B	C	1B
CN112	B	C	4D
CN113	A	C	3D
DIODE			
D1001	B	C	3A
D1301	B	C	5A
D1302	B	C	5B
D1602	B	C	3D
D1603	B	C	3C
D1604	B	C	2D
D2001	A	C	4A
D2002	A	C	4A
D3701	A	C	3B
D5501	A	C	3C
D6002	A	C	1A
D6201	A	C	2A
D6202	A	C	2B
D6203	A	C	1B
D6204	A	C	2B
D6205	A	C	2B
D6206	A	C	1A
D6207	A	C	2A
D6701	A	C	1C
D6702	A	C	2C
IC			
IC1001	B	C	4A
IC1002	B	C	5A
IC1003	B	C	3B
IC1004	B	C	4B
IC1005	B	C	4B
IC1006	B	C	3B
IC1007	B	C	3B
IC1009	B	C	4A
IC1301	B	C	5A
IC1302	B	C	5A
IC1303	B	C	5A
IC1304	B	C	5A
IC1401	B	C	2C
IC1402	B	C	2C
IC1403	B	C	1B
IC1404	B	C	2C
IC1601	B	C	3C
IC2001	A	C	4A
IC2301	A	C	4B
IC3001	B	C	2A
IC3002	B	C	2B
IC3005	B	C	2A
IC3007	B	C	3A
IC3101	B	C	1B
IC3201	B	C	1A
IC3202	B	C	2A
IC3301	A	C	3A
IC3501	A	C	2C
IC3701	A	C	3B
IC4201	B	C	4C
IC4202	B	C	4C
IC4301	B	C	4C
IC4302	B	C	4C
IC4304	B	C	3C
IC4802	A	C	3C
IC4803	A	C	4C
IC4804	A	C	3B
IC4806	A	C	4B
IC4851	A	C	4B
IC5501	A	C	4C
IC6001	A	C	1A
IC6101	B	C	1C
COIL			
L1001	B	C	2C
L1002	B	C	3A
L1401	B	C	2C
L1402	B	C	2C
L2001	A	C	4A
L2002	A	C	4B
L2201	A	C	5A
L2202	A	C	5A
L2203	A	C	5A
L2301	A	C	4B
L3001	B	C	2A
L3002	B	C	2A
L3005	B	C	3B
L3101	B	C	1B
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L6202	A	C	2B
L6203	A	C	2B
L6204	A	C	3B
L6205	A	C	1B
L6206	A	C	2B
L6207	A	C	2C
L6208	A	C	1A
L6209	A	C	1A
L6210	A	C	1A
L6701	A	C	1C
TRANSISTOR			
Q1001	B	C	3A
Q1002	B	C	3A
Q1003	B	C	5A
Q1004	B	C	4B
Q1005	B	C	4B
Q1006	B	C	4A
Q1007	B	C	4A
Q1301	B	C	5B
Q1401	B	C	1C
Q1402	B	C	2C
Q1403	B	C	2C
Q1404	B	C	2B
Q1601	B	C	3C
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Q2002	A	C	4A
Q2004	A	C	4A
Q3501	A	C	2C
Q3502	A	C	2C
Q3503	A	C	2C
Q3504	A	C	3C
Q3551	A	C	3B
Q3552	A	C	3B
Q3701	A	C	3A
Q3702	A	C	3A
Q4301	B	C	4B
Q4302	B	C	4B
Q4303	B	C	4B
Q4801	A	C	3C
Q4851	A	C	4B
Q6001	A	C	1B
Q6002	A	C	1A
Q6003	A	C	1A
Q6004	A	C	1B
Q6101	B	C	1C
Q6102	B	C	1C
Q6201	A	C	2A
Q6202	B	C	2D
Q6203	A	C	2B
Q6204	A	C	2B
Q6205	A	C	3B
Q6206	A	C	3B
Q6207	A	C	1B

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Q6212	A	C	2A
Q6213	A	C	2A
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Q6215	A	C	2A
Q6216	A	C	2A
Q6217	A	C	1B
Q6701	A	C	2C
RESISTOR			
R1001	B	C	4A
R1002	B	C	4A
R1003	B	C	4A
R1004	B	C	5A
R1005	B	C	4A
R1006	B	C	4A
R1007	B	C	4A
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R1009	B	C	4B
R1010	B	C	4A
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R1013	B	C	4B
R1014	B	C	4B
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R1016	B	C	4B
R1017	B	C	3B
R1018	B	C	3B
R1019	B	C	4A
R1020	B	C	3B
R1021	B	C	3C
R1022	B	C	3B
R1023	B	C	4B
R1024	B	C	4B
R1025	B	C	3B
R1026	B	C	3B
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R1058	B	C	3A
R1061	B	C	3A
R1062	B	C	3B
R1080	B	C	3B
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R1305	B	C	5B
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R1415	B	C	2C
R1416	B	C	2C
R1418	B	C	2C
R1419	B	C	2C
R1420	B	C	2B
R1422	B	C	1C
R1423	B	C	1C
R1424	B	C	1C
R1425	B	C	1C
R1426	B	C	1C

REF.NO.	LOCATION		
R1427	B	C	1C
R1428	B	C	1C
R1429	B	C	1C
R1430	B	C	1C
R1432	B	C	2C
R1434	B	C	2C
R1436	B	C	2C
R1437	B	C	2B
R1439	B	C	2C
R1440	B	C	2C
R1441	B	C	2C
R1442	B	C	2C
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R1446	B	C	1C
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R2114	A	C	5A
R2117	A	C	5B
R2118	A	C	5A
R2119	A	C	5B
R2120	A	C	5A
R2127	A	C	5B
R2128	A	C	5A
R2129	A	C	5B
R2130	A	C	5A
R2201	A	C	5A

REF.NO.	LOCATION		
R2202	A	C	5A
R2301	A	C	4B
R2302	A	C	4B
R2303	A	C	4B
R2304	A	C	4B
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R2308	A	C	4B
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R2310	A	C	4B
R2311	A	C	4B
R3002	B	C	3A
R3008	B	C	3A
R3012	B	C	3A
R3013	B	C	3A
R3016	B	C	3A
R3017	B	C	3A
R3018	B	C	3A
R3019	B	C	3A
R3030	B	C	3A
R3031	B	C	3A
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R3036	B	C	2A
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R3327	A	C	2A
R3328	A	C	2A
R3329	A	C	2A
R3330	A	C	2A
R3331	A	C	2A
R3332	A	C	2A
R3333	A	C	2A
R3334	A	C	2A
R3335	A	C	2B
R3336	A	C	2A
R3337	A	C	2B
R3338	A	C	2B
R3339	A	C	2B

REF.NO.	LOCATION		
R3340	A	C	2B
R3341	A	C	2B
R3342	A	C	2B
R3344	A	C	2B
R3349	A	C	3B
R3350	A	C	3B
R3351	A	C	3B
R3352	A	C	3B
R3353	A	C	3B
R3501	A	C	2C
R3502	A	C	2C
R3503	A	C	2C
R3504	A	C	2C
R3505	A	C	2C
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R3507	A	C	2C
R3508	A	C	3C
R3509	A	C	2C
R3510	A	C	3C
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R3513	A	C	3C
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R3552	A	C	3B
R3554	A	C	3B
R3555	A	C	3C
R3556	A	C	2C
R3701	A	C	3A
R3702	A	C	3A
R3703	A	C	3A
R3706	A	C	3A
R3707	A	C	3A
R3708	A	C	3A
R3711	A	C	3B
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R4208	B	C	4C
R4301	B	C	4B
R4303	B	C	5C
R4304	B	C	5C
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R4313	B	C	5B
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R4328	B	C	4B
R4329	B	C	4B
R4330	B	C	4B
R4331	B	C	4B
R4332	B	C	4B
R4333	B	C	4B
R4334	B	C	4C
R4335	B	C	4C
R4336	B	C	4C
R4337	B	C	4B
R4338	B	C	4C
R4339	B	C	4B

REF.NO.	LOCATION		
R4340	B	C	4B
R4341	B	C	3B
R4342	B	C	5B
R4343	B	C	5B
R4344	B	C	5B
R4345	B	C	4B
R4347	B	C	5C
R4348	B	C	5B
R4349	B	C	5B
R4350	B	C	5C
R4351	B	C	5B
R4804	A	C	3C
R4805	A	C	3C
R4806	A	C	4C
R4807	A	C	4C
R4808	A	C	3C
R4809	A	C	3C
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R4812	A	C	4C
R4813	A	C	4C
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R4816	A	C	4C
R4817	A	C	3C
R4818	A	C	3B
R4819	A	C	4B
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R4821	A	C	4B
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R4823	A	C	4B
R4824	A	C	4B
R4829	A	C	3C
R4831	A	C	4C
R4833	A	C	4C
R4836	A	C	4B
R4845	A	C	4B
R4848	A	C	3B
R4850	A	C	3B
R4852	A	C	4C
R4856	A	C	4B
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R5516	A	C	4C
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R6106	B	C	2C
R6107	B	C	2C
R6108	B	C	2C
R6109	B	C	2C
R6110	B	C	2C
R6113	B	C	2D
R6114	B	C	2D
R6115	B	C	2D

REF.NO.	LOCATION		
R6116	B	C	2D
R6117	B	C	1D
R6118	B	C	1C
R6122	B	C	1C
R6123	B	C	1C
R6124	B	C	1C
R6201	B	C	2C
R6202	B	C	2D
R6203	B	C	2C
R6204	B	C	2D
R6205	B	C	2D
R6206	B	C	2D
R6207	B	C	2D
R6208	B	C	2D
R6209	B	C	2D
R6210	B	C	2D
R6211	B	C	2D
R6212	B	C	2D
R6213	A	C	3B
R6214	A	C	3B
R6215	A	C	3B
R6216	A	C	3B
R6217	A	C	1B
R6218	A	C	1B
R6219	A	C	2B
R6220	A	C	3B
R6221	B	C	2C
R6223	B	C	2C
R6224	B	C	2D
R6225	B	C	2D
R6226	B	C	2D
R6227	B	C	2D
R6228	A	C	1A
R6229	A	C	1A
R6230	A	C	1A
R6231	A	C	2A
R6232	A	C	2A
R6233	A	C	2A
R6234	A	C	2A
R6235	A	C	2A
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R6240	A	C	2A
R6241	A	C	2A
R6242	A	C	1A
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R6244	A	C	1B
R6245	A	C	1B
R6246	A	C	1B
R6701	A	C	1C
R6702	A	C	1C
R6703	A	C	1C
R6712	A	C	1B
R6713	A	C	1B
RA1001	B	C	4A
RA1002	B	C	4A
RA1003	B	C	4A
RA1004	B	C	4A
RA1005	B	C	4A
RA1006	B	C	3A
RA1007	B	C	3A
RA1008	B	C	3A
RA1009	B	C	4A
RA1010	B	C	3A
RA1401	B	C	1C
RA1403	B	C	1C
RA3001	B	C	3A
RA3002	B	C	3A
RA4301	B	C	4D
RA4302	B	C	3D
RA4303	B	C	4D
TESTPOINT			
TP4319	B	C	4C
OTHER			
F6101	A	C	1B
J101	A	D	1A
S6001	A	C	1C
TL1001	B	C	3A
TL1002	B	C	4B
TL1003	B	C	4B
TL1301	B	C	4A
TL1401	A	C	1C
TL1402	A	C	1C
TL1403	A	C	1C
TL1404	A	C	1C
TL1406	A	C	1C
TL1407	A	C	1C
TL1410	A	C	1C
TL1411	A	C	1C
TL1412	A	C	1C
TL1413	A	C	1C

REF.NO.	LOCATION		
TL1414	A	C	1C
TL1415	A	C	1C
TL1416	A	C	1C
TL1601	B	C	2C
TL1602	B	C	3D
TL1603	B	C	3D
TL1604	B	C	3C
TL1605	A	C	2D
TL1606	A	C	2C
TL1607	A	C	3C
TL1608	A	C	2D
TL1609	A	C	3C
TL1610	A	C	3C
TL1611	B	C	3D
TL1612	B	C	3C
TL1613	B	C	3C
TL1614	B	C	3D
TL1615	B	C	3C
TL1616	B	C	2C
TL1617	B	C	2C
TL1618	B	C	2C
TL1619	B	C	2C
TL3004	B	C	2A
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TL3006	B	C	3A
TL3007	B	C	3A
TL3009	B	C	2A
TL3010	B	C	3A
TL3011	B	C	2A
TL3012	B	C	2A
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TL3211	B	C	1A
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TL3213	B	C	1A
TL3214	B	C	1A
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TL3216	B	C	1A
TL3217	B	C	1A
TL3501	B	C	1B
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TL4202	B	C	5C
TL4203	B	C	5D
TL4301	B	C	5C
TL4302	B	C	4B
TL4303	B	C	4B
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TL4305	B	C	4B
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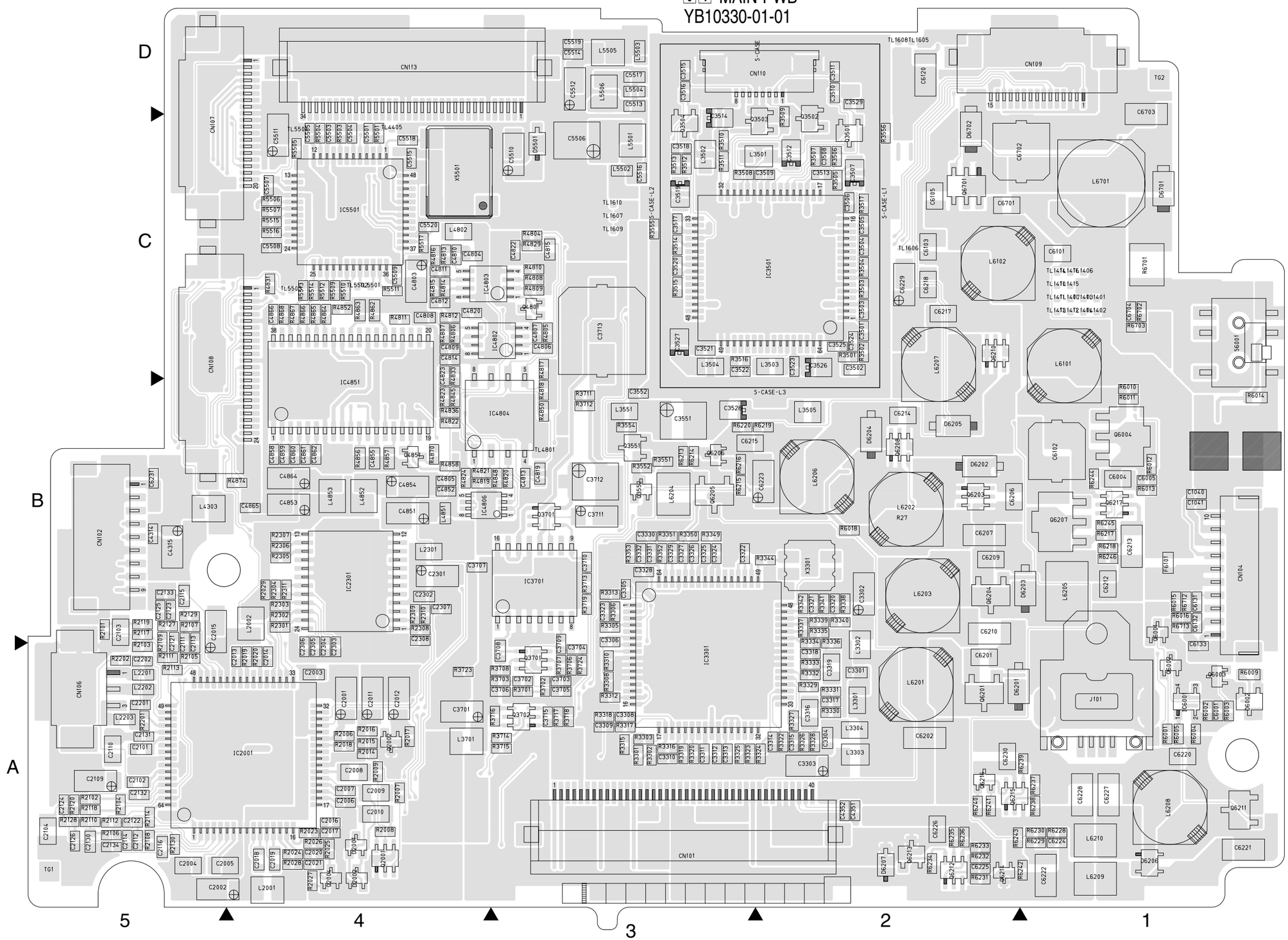
TL4312	B	C	4B
TL4313	B	C	4B
TL4314	B	C	3C
TL4315	B	C	3C
TL4316	B	C	3C
TL4317	B	C	3C
TL4318	B	C	4B
TL4405	A	C	4C
TL4801	A	C	3B
TL5501	A	C	4C
TL5502	A	C	4C
TL5503	A	C	4C
TL5504	A	C	4C
X1001	B	C	4A
X1002	B	C	5A
X3001	B	C	3A
X3301	A	C	2B
X5501	A	C	4C

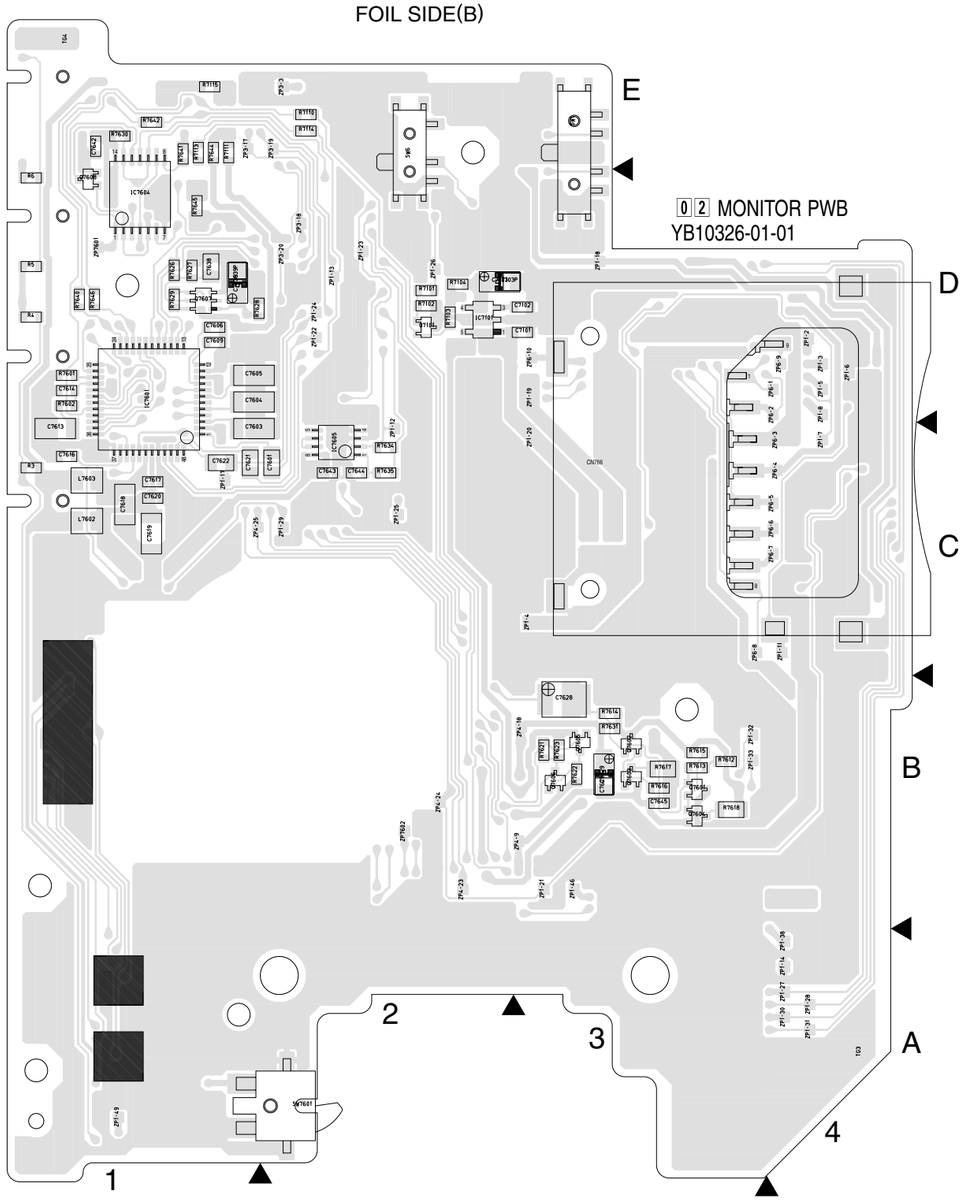
COMPONENT SIDE(A)

01 MAIN PWB
YB10330-01-01

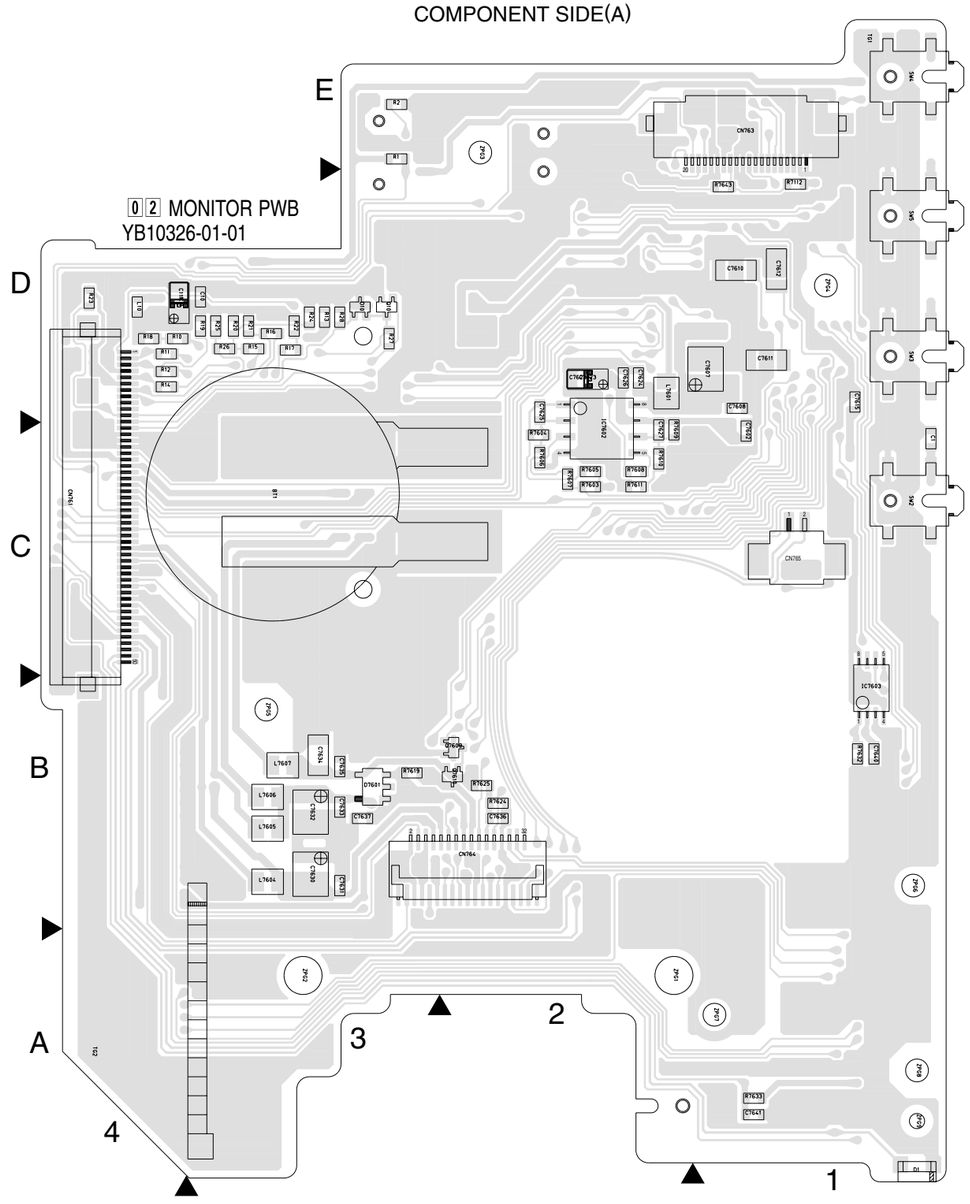


4.24 MONITOR CIRCUIT BOARD [GR-DVL150EG/EK]

FOIL SIDE(B)



COMPONENT SIDE(A)

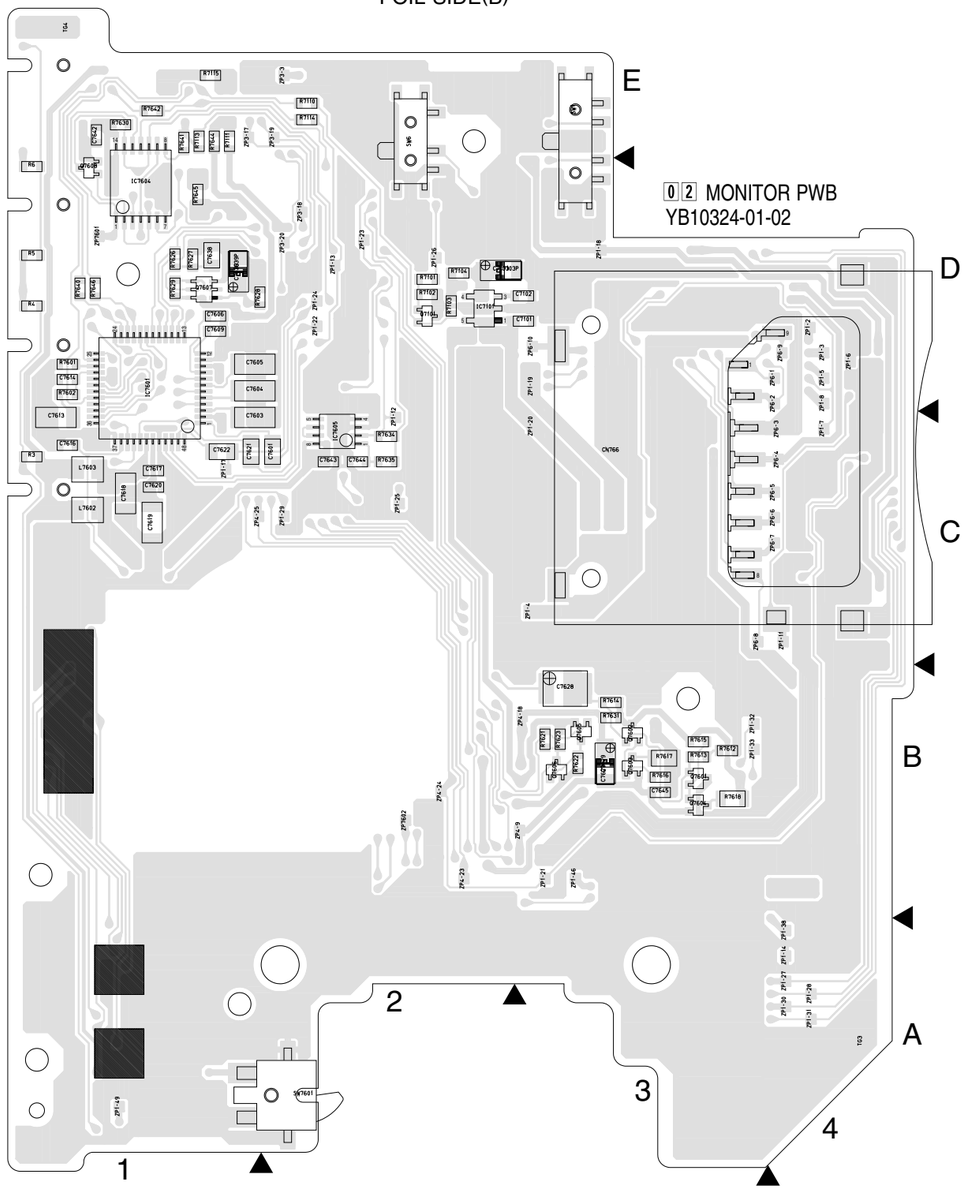


COMPONENT PARTS LOCATION GUIDE ＜MONITOR＞ [GR-DVL150EG/EK]

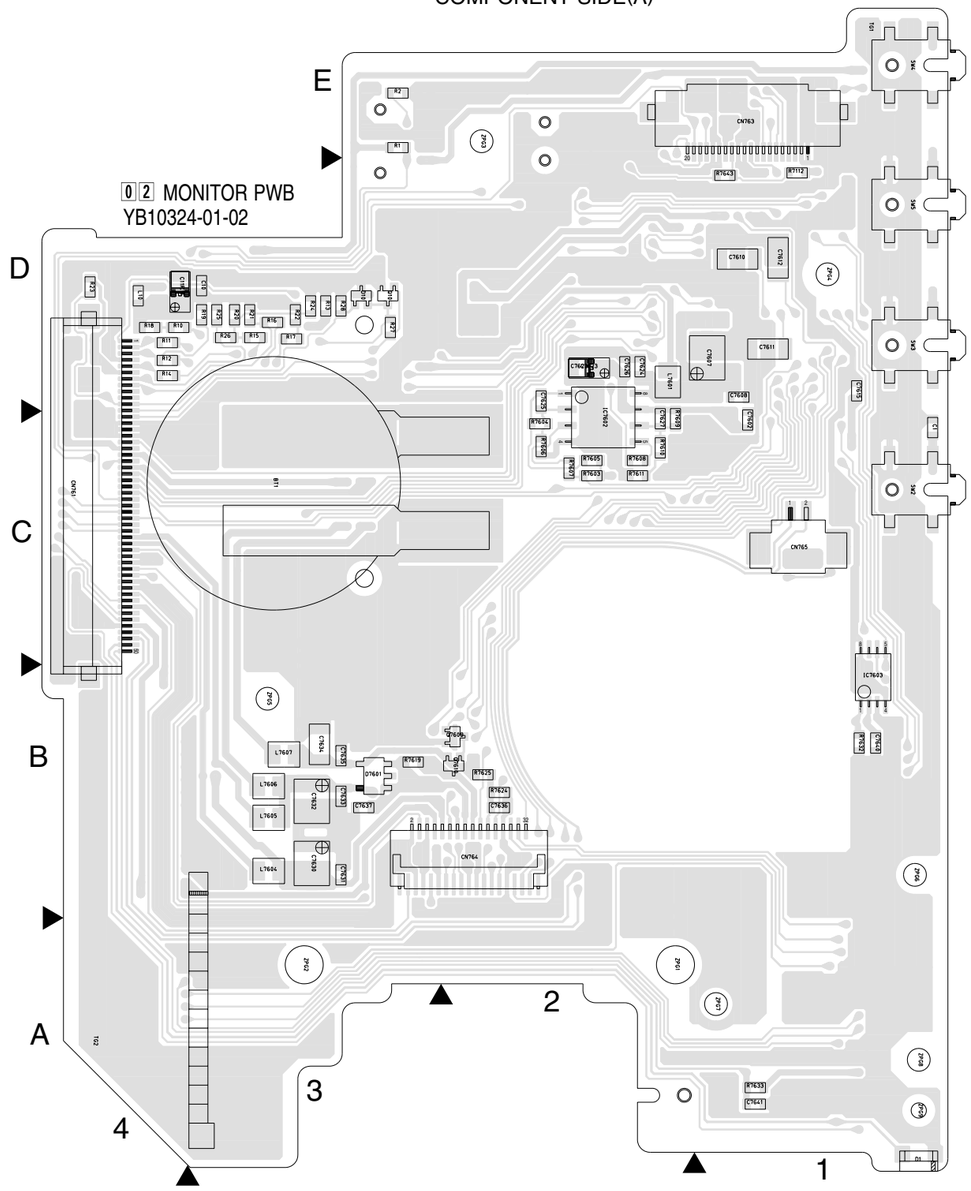
REF.NO.	LOCATION
CAPACITOR	
C1	A C 1C
C10	A C 3D
C11	A C 3D
C7101	B C 2D
C7102	B C 2D
C7103	B C 2D
C7601	B C 1C
C7602	A C 1C
C7603	B C 1C
C7604	B C 1D
C7605	B C 1D
C7606	B C 1D
C7607	A C 1D
C7608	A C 1D
C7609	B C 1D
C7610	A C 1D
C7611	A C 1D
C7612	A C 1D
C7613	B C 1C
C7614	B C 1D
C7615	A C 1D
C7616	B C 1C
C7617	B C 1C
C7618	B C 1C
C7619	B C 1C
C7620	B C 1C
C7621	B C 1C
C7622	B C 1C
C7623	A C 2D
C7624	A C 2D
C7625	A C 2D
C7626	A C 2D
C7627	A C 2C
C7628	B C 3B
C7629	B C 3B
C7630	A C 3B
C7631	A C 3B
C7632	A C 3B
C7633	A C 3B
C7634	A C 3B
C7635	A C 3B
C7636	A C 2B
C7637	A C 3B
C7638	B C 1D
C7639	B C 1D
C7640	A C 1B
C7641	A C 1A
C7642	B C 1E
C7643	B C 2C
C7644	B C 2C
C7645	B C 3B
CONNECTOR	
CN761	A C 4D
CN763	A C 1E
CN764	A C 3B
CN765	A C 1C
CN766	B C 4C
DIODE	
D1	A C 1A
D10	A C 3D
D7601	A C 3B
IC	
IC7101	B C 2D
IC7601	B C 1D
IC7602	A C 2C
IC7603	A C 1B
IC7604	B C 1D
IC7605	B C 2C
COIL	
L10	A C 4D
L7601	A C 2D
L7602	B C 1C
L7603	B C 1C
L7604	A C 3B
L7605	A C 3B
L7606	A C 3B
L7607	A C 3B
TRANSISTOR	
Q10	A C 3D
Q7101	B C 2D
Q7601	B C 3B
Q7602	B C 3B
Q7603	B C 3B
Q7604	B C 3B
Q7605	B C 3B
Q7606	B C 3B
Q7607	B C 1D
Q7608	B C 1D
Q7609	A C 2B
Q7610	A C 2B
RESISTOR	
R1	A C 3E
R2	A C 3E
R3	B C 1C
R4	B C 1D
R5	B C 1D
R6	B C 1D
R10	A C 3D
R11	A C 4D
R12	A C 4D
R13	A C 3D
R14	A C 4D
R15	A C 3D
R16	A C 3D
R17	A C 3D
R18	A C 4D
R19	A C 3D
R20	A C 3D
R21	A C 3D
R22	A C 3D
R23	A C 4D
R24	A C 3D
R25	A C 3D
R26	A C 3D
R27	A C 3D
R28	A C 3D
R7101	B C 2D
R7102	B C 2D
R7103	B C 2D
R7104	B C 2D
R7110	B C 2E
R7111	B C 1E
R7112	A C 1D
R7113	B C 1E
R7114	B C 2E
R7115	B C 1E
R7601	B C 1D
R7602	B C 1D
R7603	A C 2C
R7604	A C 2C
R7605	A C 2C
R7606	A C 2C
R7607	A C 2C
R7608	A C 2C
R7609	A C 2C
R7610	A C 2C
R7611	B C 1E
R7612	B C 3B
R7613	B C 3B
R7614	B C 3B
R7615	B C 3B
R7616	B C 3B
R7617	B C 3B
R7618	B C 3B
R7619	A C 2C
R7621	B C 3B
R7622	B C 3B
R7623	B C 3B
R7624	A C 2B
R7625	A C 2B
R7626	B C 1D
R7627	B C 1D
R7628	B C 1D
R7629	B C 1D
R7630	B C 1E
R7631	B C 3B
R7632	A C 1B
R7633	A C 1A
R7634	B C 2C
R7635	B C 2C
R7640	B C 1D
R7641	B C 1E
R7642	B C 1E
R7643	A C 1D
R7644	B C 1E
R7645	B C 1D
R7646	B C 1D
OTHER	
BT1	A C 3C
C11P	A C 3D
C7103P	B C 2D
C7623P	A C 2D
C7629P	B C 3B
C7639P	B C 1D
SW1	B C 3E
SW2	A C 1C
SW3	A C 1D
SW4	A C 1E
SW5	A C 1D
SW6	B C 2E
SW7601	B C 2A
TM1	A C 4A
TM03	A C 4E
TM3	A C 4E
ZP1-2	B C 4D
ZP1-3	B C 4D
ZP1-4	B C 3C
ZP1-5	B C 4D
ZP1-6	B C 4D
ZP1-7	B C 4C
ZP1-8	B C 4C
ZP3-3	B C 2E
ZP4-9	B C 2B
ZP6-1	B C 3D
ZP6-2	B C 3C
ZP6-3	B C 3C
ZP6-4	B C 3C
ZP6-5	B C 3C
ZP6-6	B C 3C
ZP6-7	B C 3C
ZP6-8	B C 3C
ZP6-9	B C 3C
ZP1-17	B C 1C
ZP1-18	B C 3D
ZP1-19	B C 3D
ZP1-20	B C 3C
ZP1-21	B C 3B
ZP1-22	B C 2D
ZP1-23	B C 2D
ZP1-24	B C 2D
ZP1-25	B C 2C
ZP1-26	B C 2D
ZP1-27	B C 4A
ZP1-28	B C 4A
ZP1-29	B C 2C
ZP1-30	B C 4A
ZP1-31	B C 4A
ZP1-32	B C 3B
ZP1-33	B C 3B
ZP1-38	B C 4A
ZP1-46	B C 3B
ZP1-49	B C 1A
ZP3-17	B C 1E
ZP3-18	B C 2D
ZP3-19	B C 2D
ZP3-20	B C 2D
ZP4-18	B C 2B
ZP4-23	B C 2B
ZP4-24	B C 1C
ZP4-25	B C 1C
ZP6-10	B C 3D
ZP7601	B C 1D
ZP7602	B C 2B
ZPG1	A D 2A
ZPG2	A D 3A
ZPG3	A D 2E
ZPG4	A D 1D
ZPG5	A D 3B
ZPG6	A D 1B
ZPG7	A D 1A
ZPG8	A D 1A
ZPG9	A D 1A

4.25 MONITOR CIRCUIT BOARD [GR-DVL450EG]

FOIL SIDE(B)



COMPONENT SIDE(A)



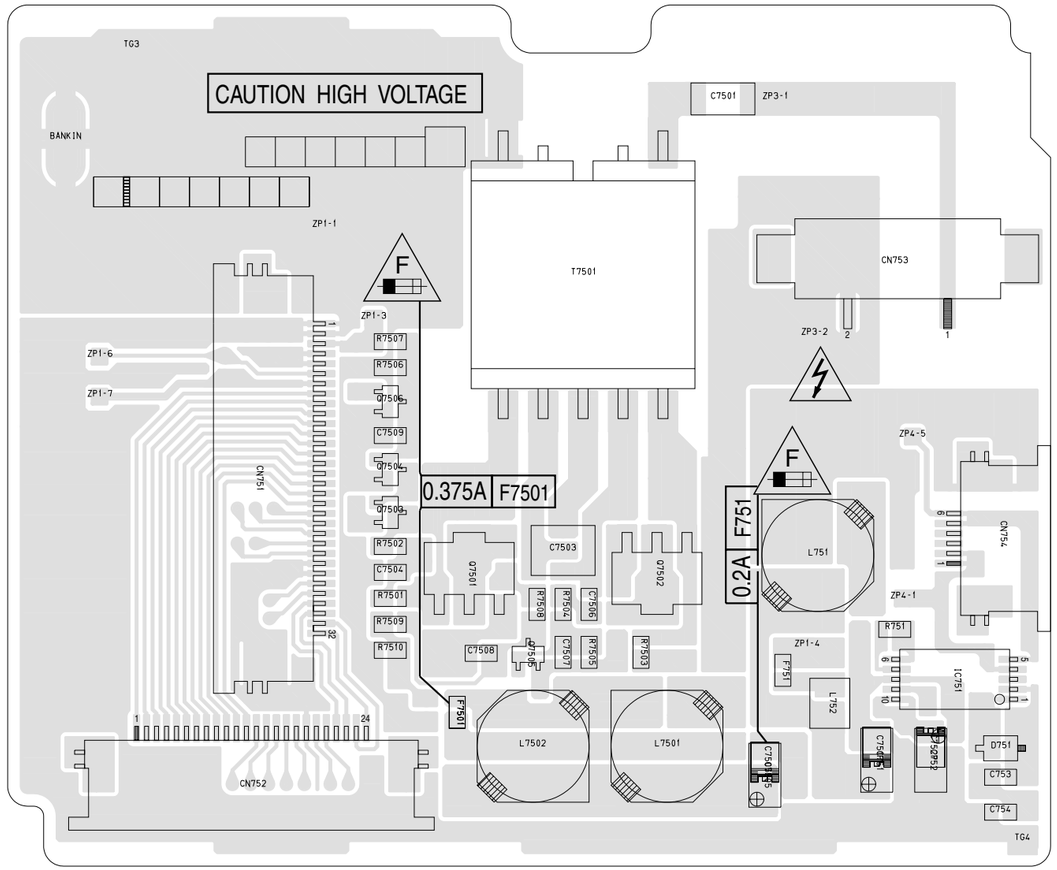
COMPONENT PARTS LOCATION GUIDE ＜MONITOR＞ [GR-DVL450EG]

REF.NO.	LOCATION
CAPACITOR	
C1	A C 1C
C10	A C 3D
C11	A C 4D
C7101	B C 3D
C7102	B C 3D
C7103	B C 2D
C7601	B C 2C
C7602	A C 1C
C7603	B C 2C
C7604	B C 2D
C7605	B C 2D
C7606	B C 1D
C7607	A C 1D
C7608	A C 1D
C7609	B C 1D
C7610	A C 1D
C7611	A C 1D
C7612	A C 1D
C7613	B C 1C
C7614	B C 1D
C7615	A C 1D
C7616	B C 1C
C7617	B C 1C
C7618	B C 1C
C7619	B C 1C
C7620	B C 1C
C7621	B C 2C
C7622	B C 1C
C7623	A C 2D
C7624	A C 2D
C7625	A C 2D
C7626	A C 2D
C7627	A C 2C
C7628	B C 3B
C7629	B C 3B
C7630	A C 3B
C7631	A C 3B
C7632	A C 3B
C7633	A C 3B
C7634	A C 3B
C7635	A C 3B
C7636	A C 2B
C7637	A C 3B
C7638	B C 1D
C7639	B C 1D
C7640	A C 1B
C7641	A C 1A
C7642	B C 1E
C7643	B C 2C
C7644	B C 2C
C7645	B C 3B
CONNECTOR	
CN761	A C 4D
CN763	A C 1E
CN764	A C 3B
CN765	A C 1C
CN766	B C 4C
DIODE	
D1	A C 1A
D10	A C 3D
D7601	A C 3B
IC	
IC7101	B C 2D
IC7601	B C 1D
IC7602	A C 2C
IC7603	A C 1B
IC7604	B C 1D
IC7605	B C 2C
COIL	
L10	A C 4D
L7601	A C 2D
L7602	B C 1C
L7603	B C 1C
L7604	A C 3B
L7605	A C 3B
L7606	A C 3B
L7607	A C 3B
TRANSISTOR	
Q10	A C 3D
Q7101	B C 2D
Q7601	B C 3B
Q7602	B C 3B
Q7603	B C 3B
Q7604	B C 3B
Q7605	B C 3B
Q7606	B C 3B
Q7607	B C 1D
Q7608	B C 1D
Q7609	A C 2B
Q7610	A C 2B
RESISTOR	
R1	A C 3E
R2	A C 3E
R3	B C 1C
R4	B C 1D
R5	B C 1D
R6	B C 1D
R10	A C 4D
R11	A C 4D
R12	A C 4D
R13	A C 3D
R14	A C 4D
R15	A C 3D
R16	A C 3D
R17	A C 4D
R18	A C 4D
R19	A C 3D
R20	A C 3D
R21	A C 3D
R22	A C 3D
R23	A C 4D
R24	A C 3D
R25	A C 3D
R26	A C 3D
R27	A C 3D
R28	A C 3D
R7101	B C 2D
R7102	B C 2D
R7103	B C 2D
R7104	B C 2D
R7110	B C 2E
R7111	B C 1E
R7112	A C 1D
R7113	B C 1E
R7114	B C 2E
R7115	B C 1E
R7601	B C 1D
R7602	B C 1D
R7603	A C 2C
R7604	A C 2C
R7605	A C 2C
R7606	A C 2C
R7607	A C 2C
R7608	A C 2C
R7609	A C 2C
R7610	A C 2C
R7611	A C 2C
R7612	B C 3B
R7613	B C 3B
R7614	B C 3B
R7615	B C 3B
R7616	B C 3B
R7617	B C 3B
R7618	B C 3B
R7619	A C 3B
R7621	B C 3B
R7622	B C 3B
R7623	B C 3B
R7624	A C 2B
R7625	A C 2B
R7626	B C 1D
R7627	B C 1D
R7628	B C 1D
R7629	B C 1D
R7630	B C 1E
R7631	B C 3B
R7632	A C 1B
R7633	A C 1A
R7634	B C 2C
R7635	B C 2C
R7640	B C 1D
R7641	B C 1E
R7642	B C 1D
R7643	A C 1D
R7644	B C 1E
R7645	B C 1D
R7646	B C 1D
OTHER	
BT1	A C 3C
C11P	A C 4D
C7103P	B C 3D
C7623P	A C 2D
C7629P	B C 3B
C7639P	B C 1D
SW1	B C 3E
SW2	A C 1C
SW3	A C 1D
SW4	A C 1E
SW5	A C 1D
SW6	B C 2E
SW7601	B C 2A
TM1	A C 4A
ZP1-2	B C 4D
ZP1-3	B C 4D
ZP1-4	B C 4C
ZP1-5	B C 4D
ZP1-6	B C 4D
ZP1-7	B C 4C
ZP1-8	B C 4D
ZP2-3	B C 2E
ZP2-9	B C 3B
ZP2-10	B C 4C
ZP2-11	B C 4C
ZP2-12	B C 4C
ZP2-13	B C 4C
ZP2-14	B C 4C
ZP2-15	B C 4C
ZP2-16	B C 4C
ZP2-17	B C 4C
ZP2-18	B C 4C
ZP2-19	B C 4C
ZP2-20	B C 4C
ZP2-21	B C 4C
ZP2-22	B C 4C
ZP2-23	B C 4C
ZP2-24	B C 4C
ZP2-25	B C 4C
ZP2-26	B C 4C
ZP2-27	B C 4C
ZP2-28	B C 4C
ZP2-29	B C 4D
ZP2-30	B C 4C
ZP2-31	B C 4C
ZP2-32	B C 4C
ZP2-33	B C 4C
ZP2-34	B C 4C
ZP2-35	B C 4C
ZP2-36	B C 4C
ZP2-37	B C 4C
ZP2-38	B C 4C
ZP2-39	B C 4C
ZP3-2	B C 4C
ZP3-3	B C 4C
ZP3-4	B C 4C
ZP3-5	B C 4C
ZP3-6	B C 4C
ZP3-7	B C 4C
ZP3-8	B C 4C
ZP3-9	B C 4C
ZP3-10	B C 4C
ZP3-11	B C 4C
ZP3-12	B C 4C
ZP3-13	B C 4C
ZP3-14	B C 4C
ZP3-15	B C 4C
ZP3-16	B C 4C
ZP3-17	B C 4C
ZP3-18	B C 4C
ZP3-19	B C 4C
ZP3-20	B C 4C
ZP4-18	B C 3B
ZP4-23	B C 2B
ZP4-24	B C 2B
ZP4-25	B C 2C
ZP6-10	B C 3D
ZP7601	B C 1D
ZP7602	B C 2B
ZPG1	A D 2A
ZPG2	A D 3A
ZPG3	A D 2E
ZPG4	A D 1D
ZPG5	A D 3B
ZPG6	A D 1B
ZPG7	A D 1A
ZPG8	A D 1A
ZPG9	A D 1A

4.26 LCD B CIRCUIT BOARD [GR-DVL150EG/EK]

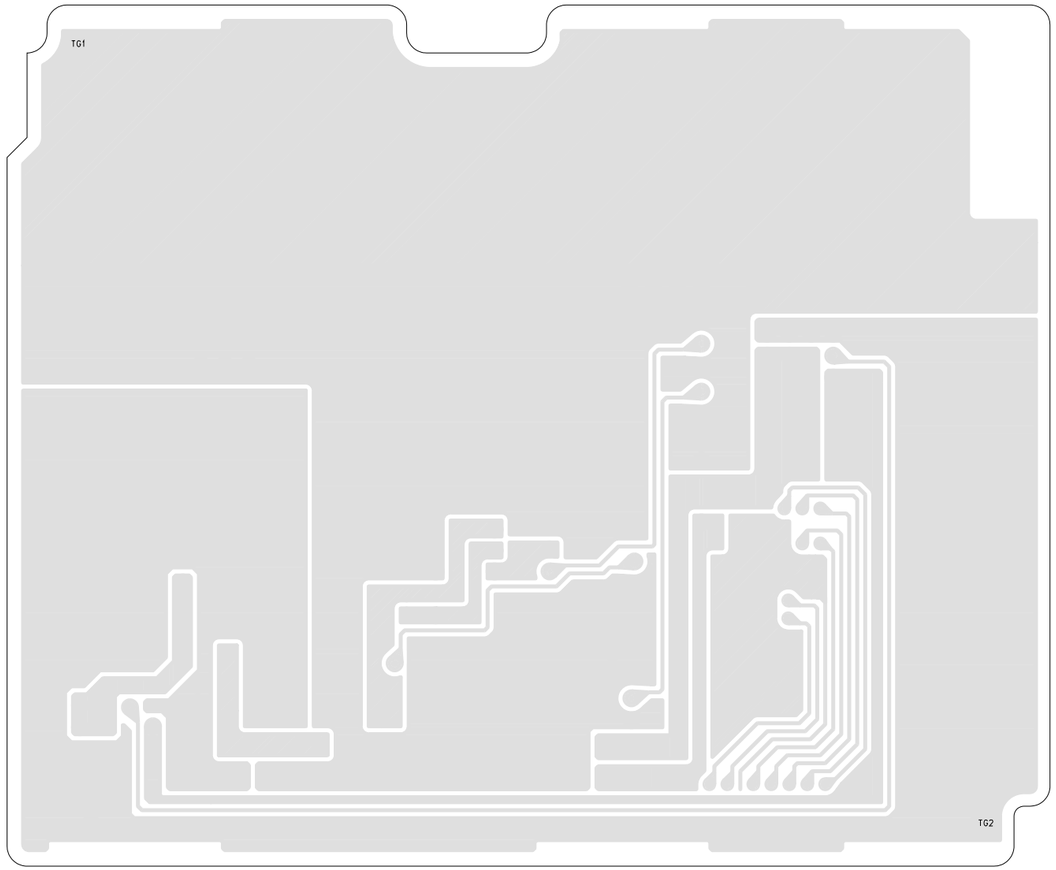
03 LCD BL PWB
YB10325

FOIL SIDE(B)



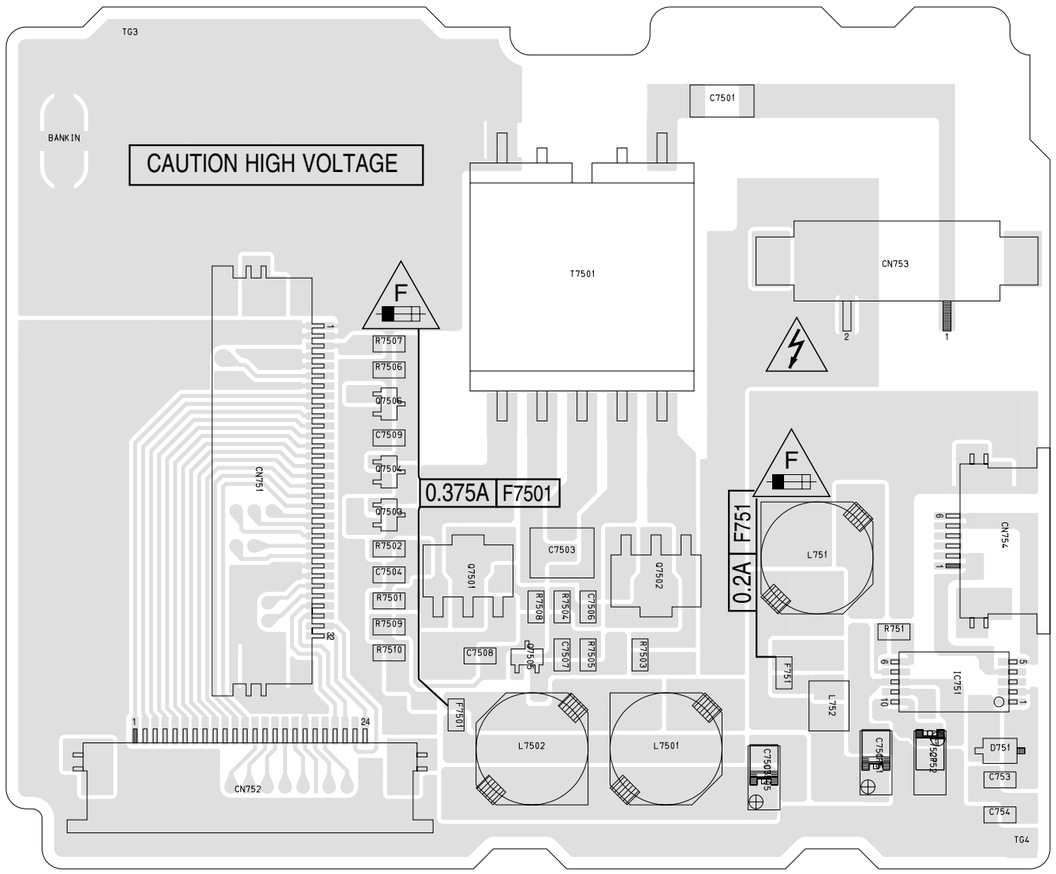
COMPONENT SIDE(A)

03 LCD BL PWB
YB10325



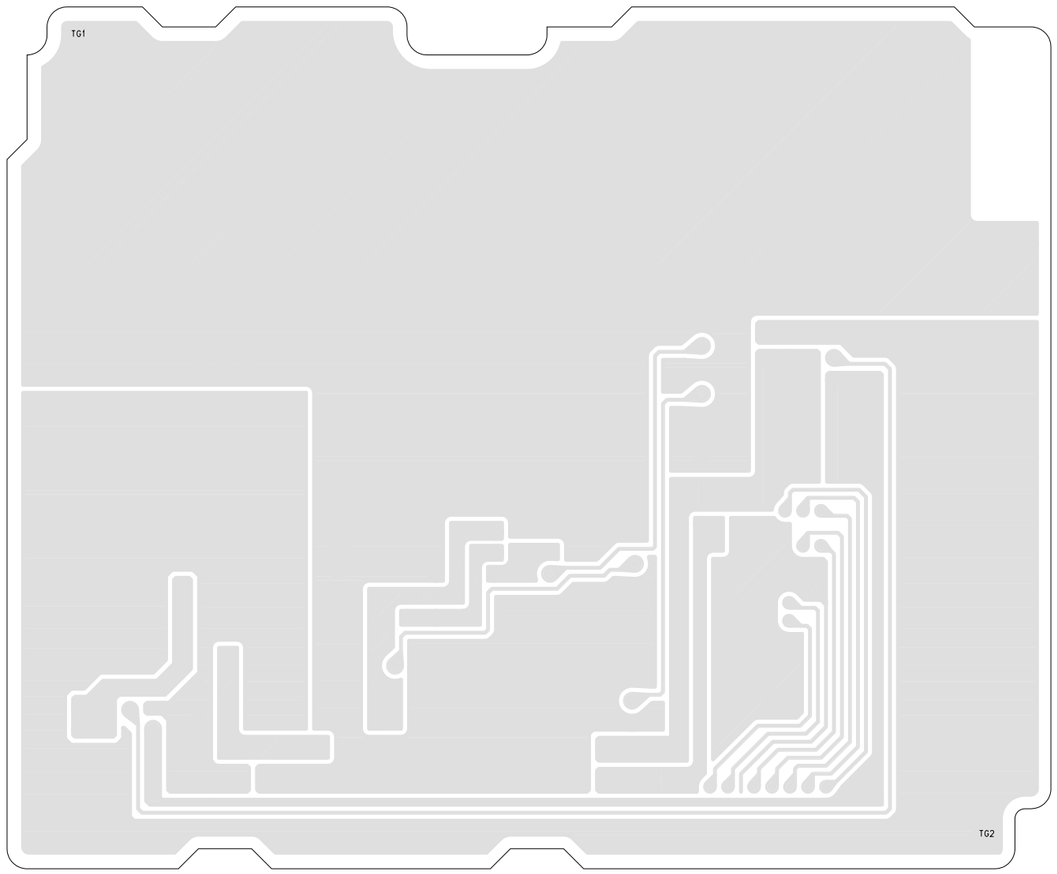
FOIL SIDE(B)

03 LCD BL PWB
YB10324-01-02



COMPONENT SIDE(A)

03 LCD BL PWB
YB10324-01-02

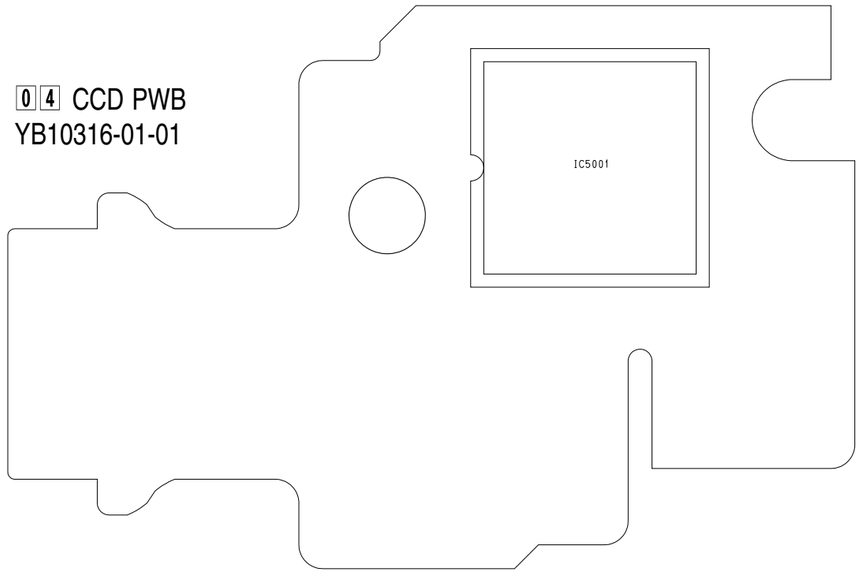


4.28 CCD AND JUNCTION CIRCUIT BOARDS

－CCD－

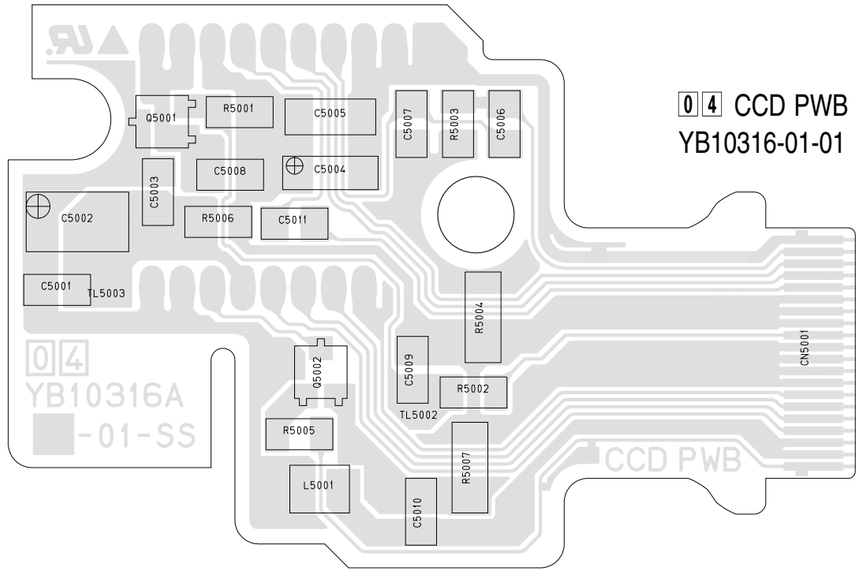
FOIL SIDE(B)

04 CCD PWB
YB10316-01-01



COMPONENT SIDE(A)

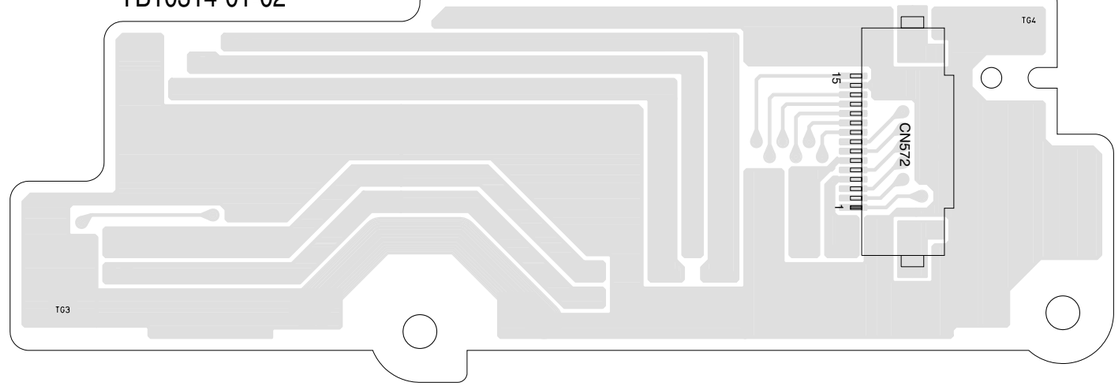
04 CCD PWB
YB10316-01-01



－JUNCTION－

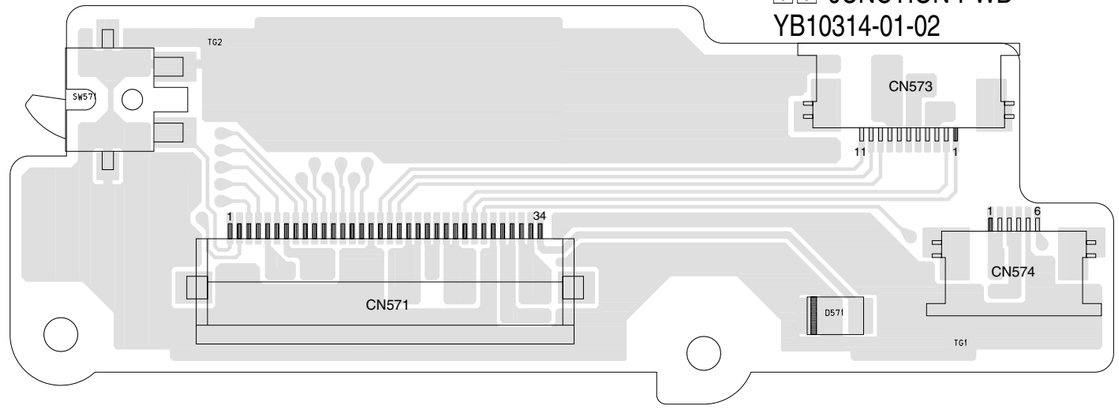
05 JUNCTION PWB
YB10314-01-02

FOIL SIDE(B)



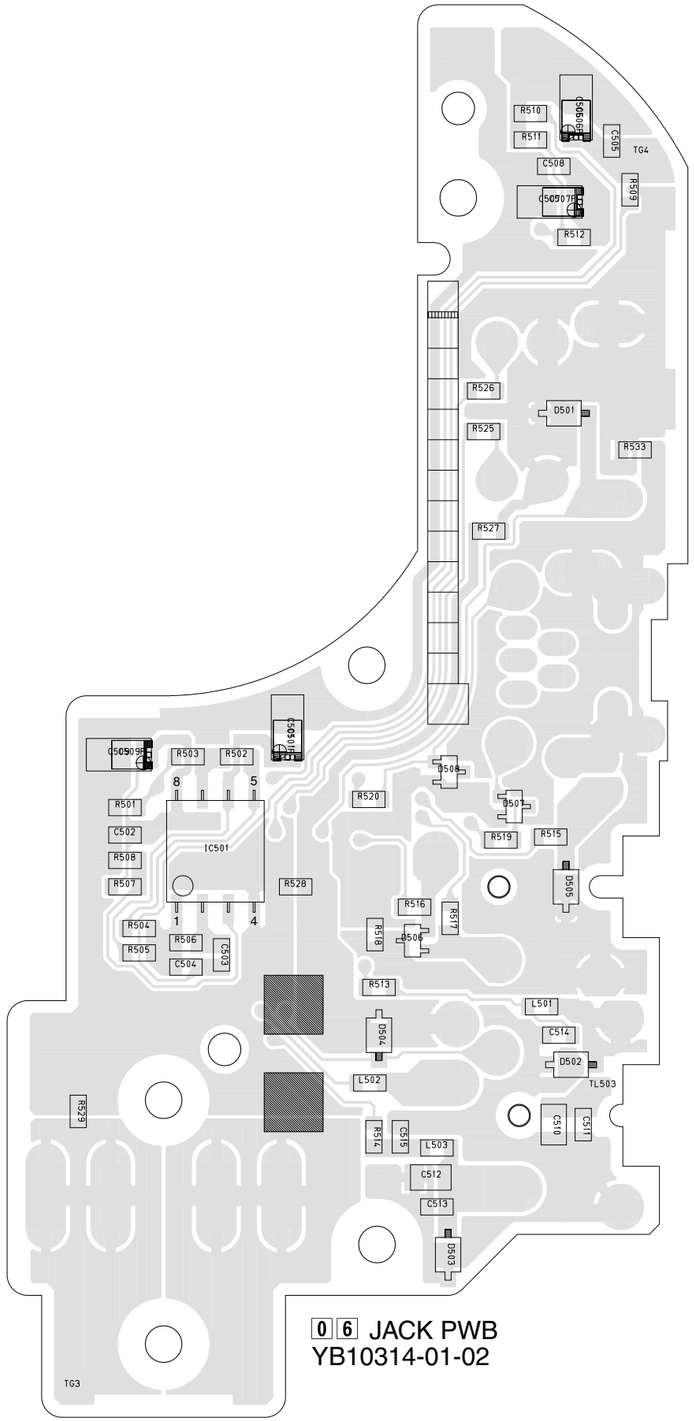
COMPONENT SIDE(A)

05 JUNCTION PWB
YB10314-01-02



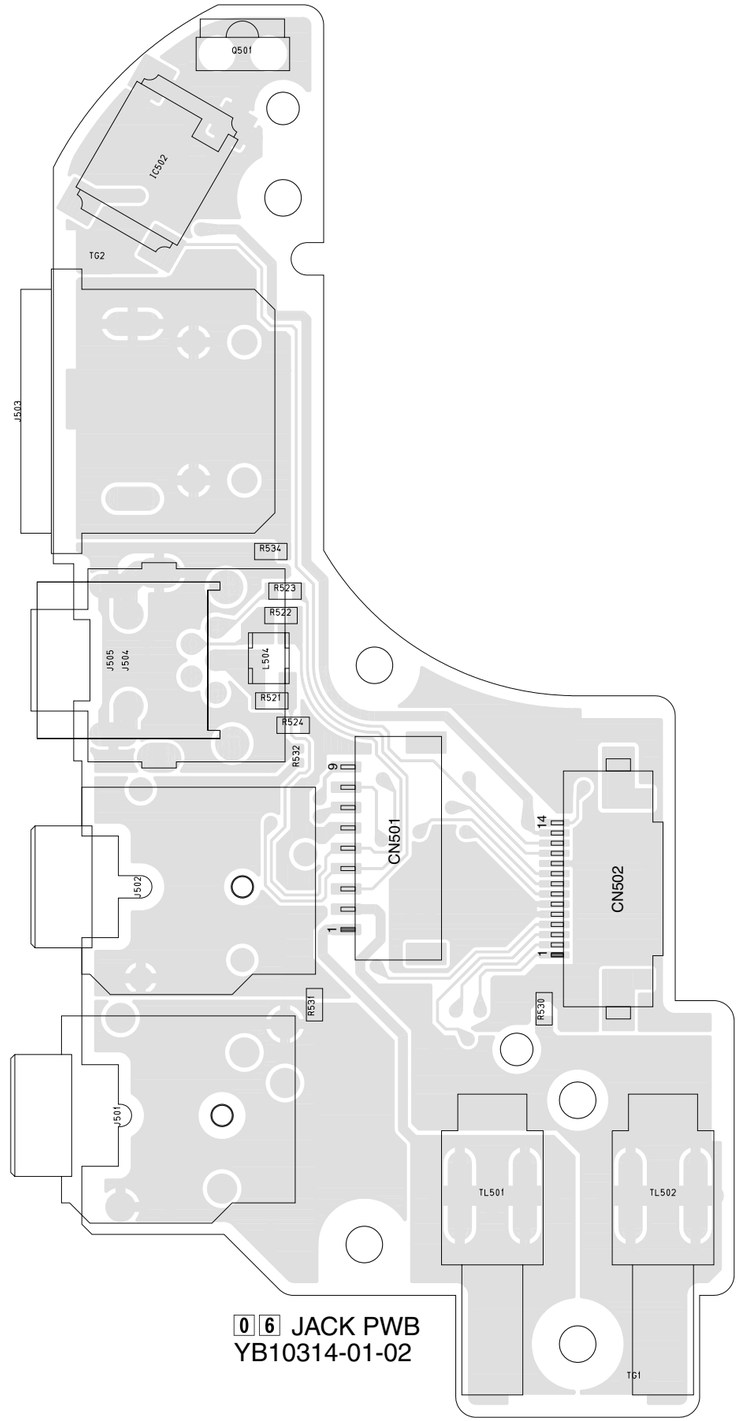
4.29 JACK CIRCUIT BOARD

FOIL SIDE(B)



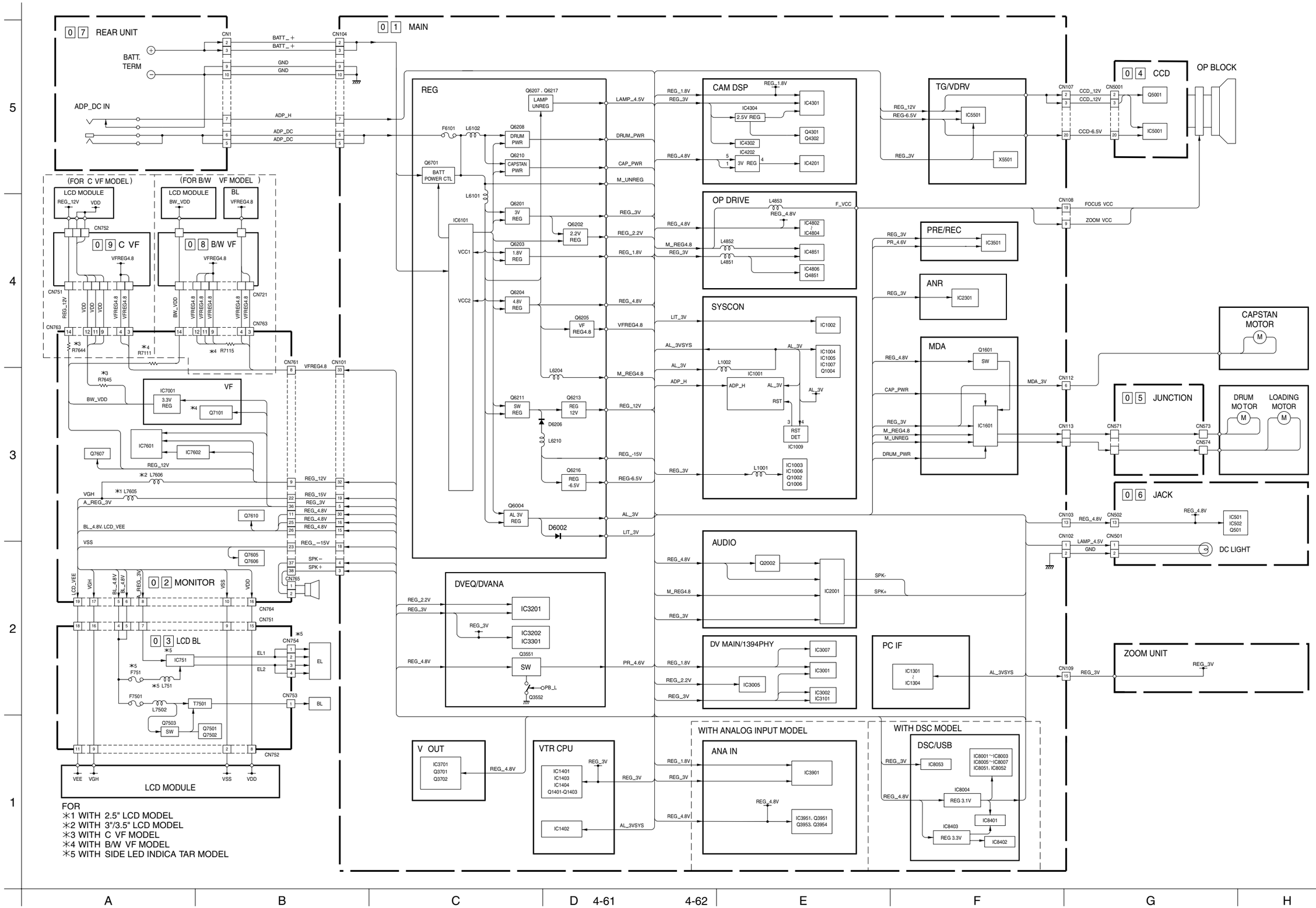
0 6 JACK PWB
YB10314-01-02

COMPONENT SIDE(A)

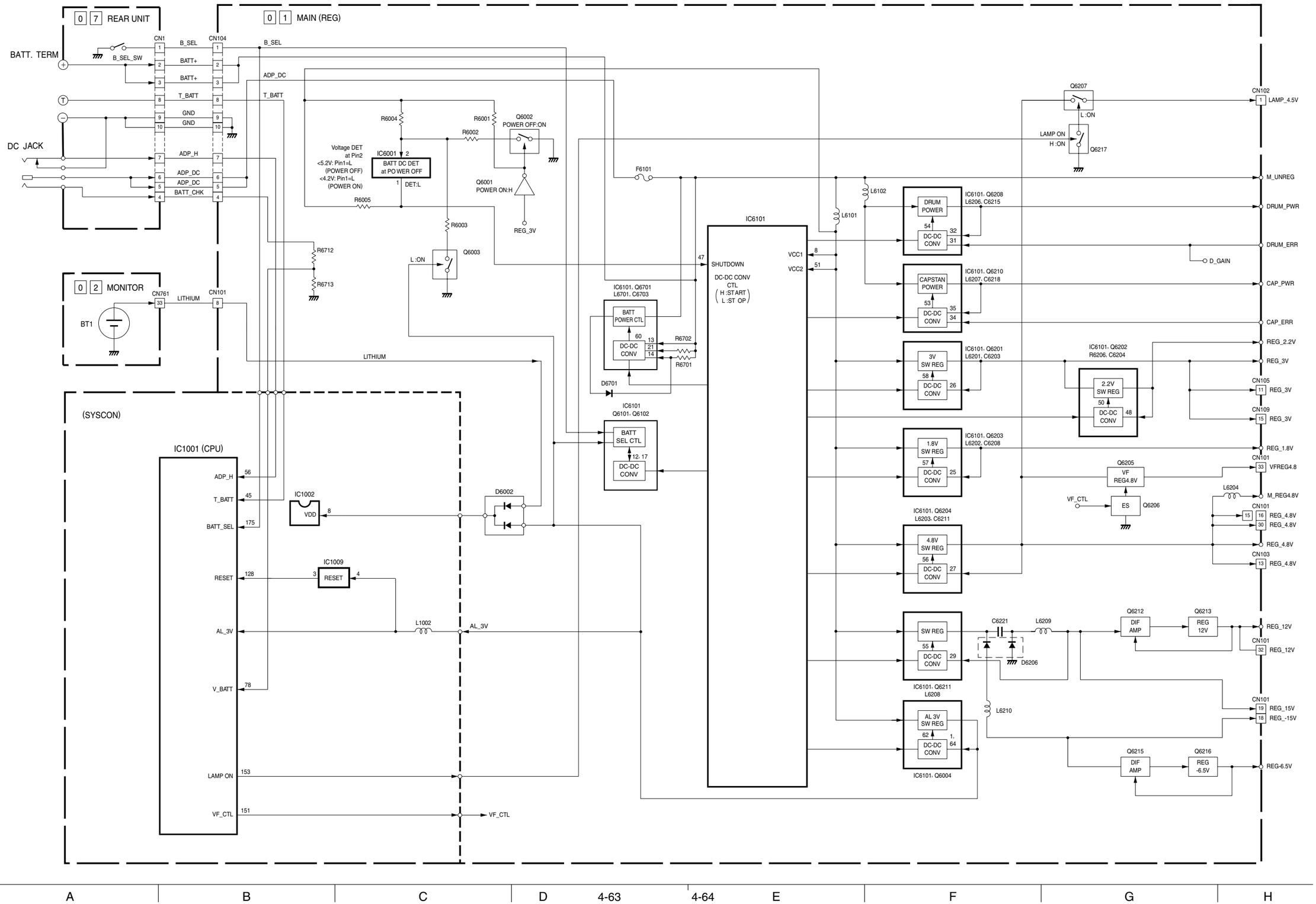


0 6 JACK PWB
YB10314-01-02

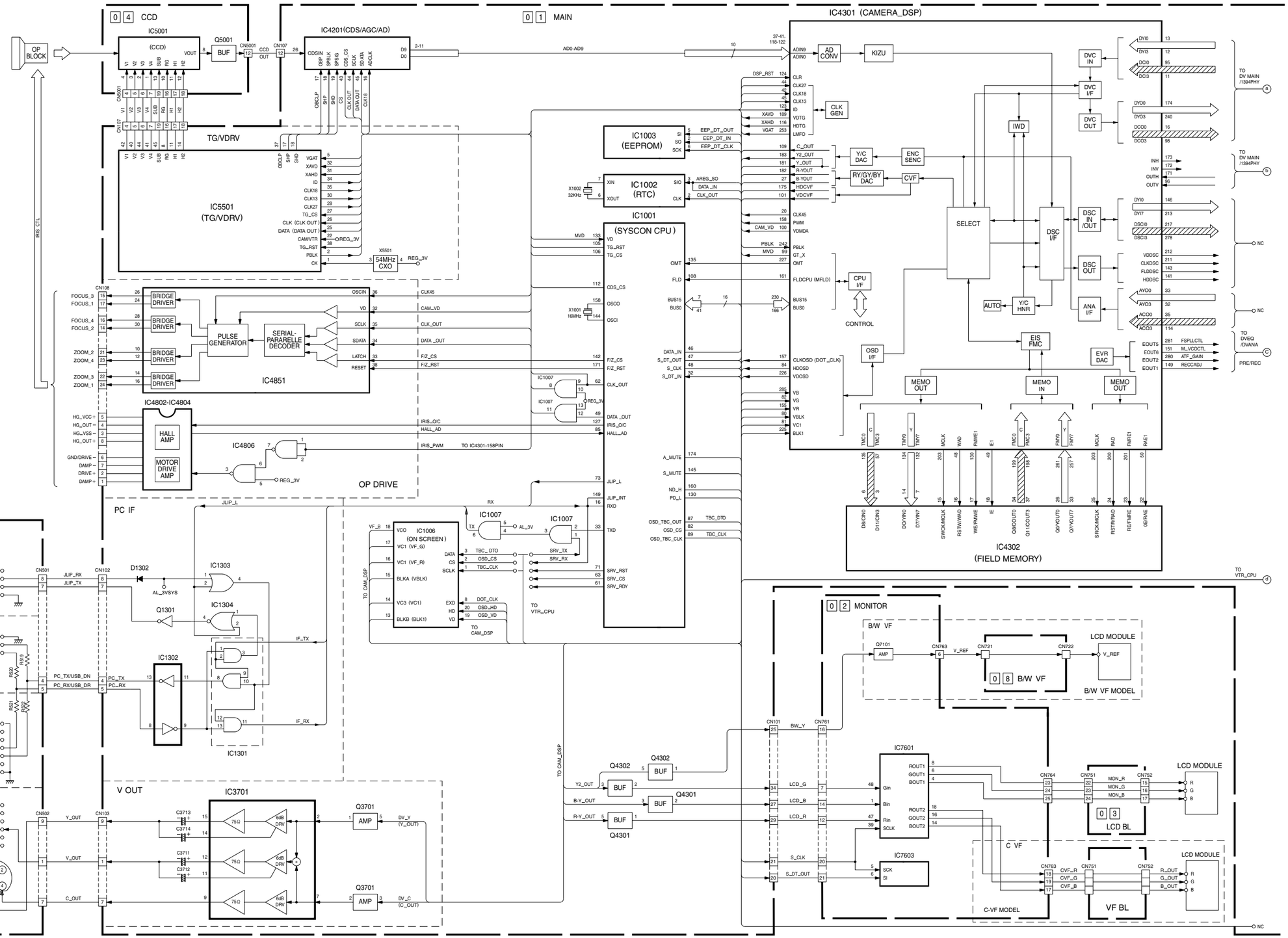
4.30 POWER SYSTEM BLOCK DIAGRAM

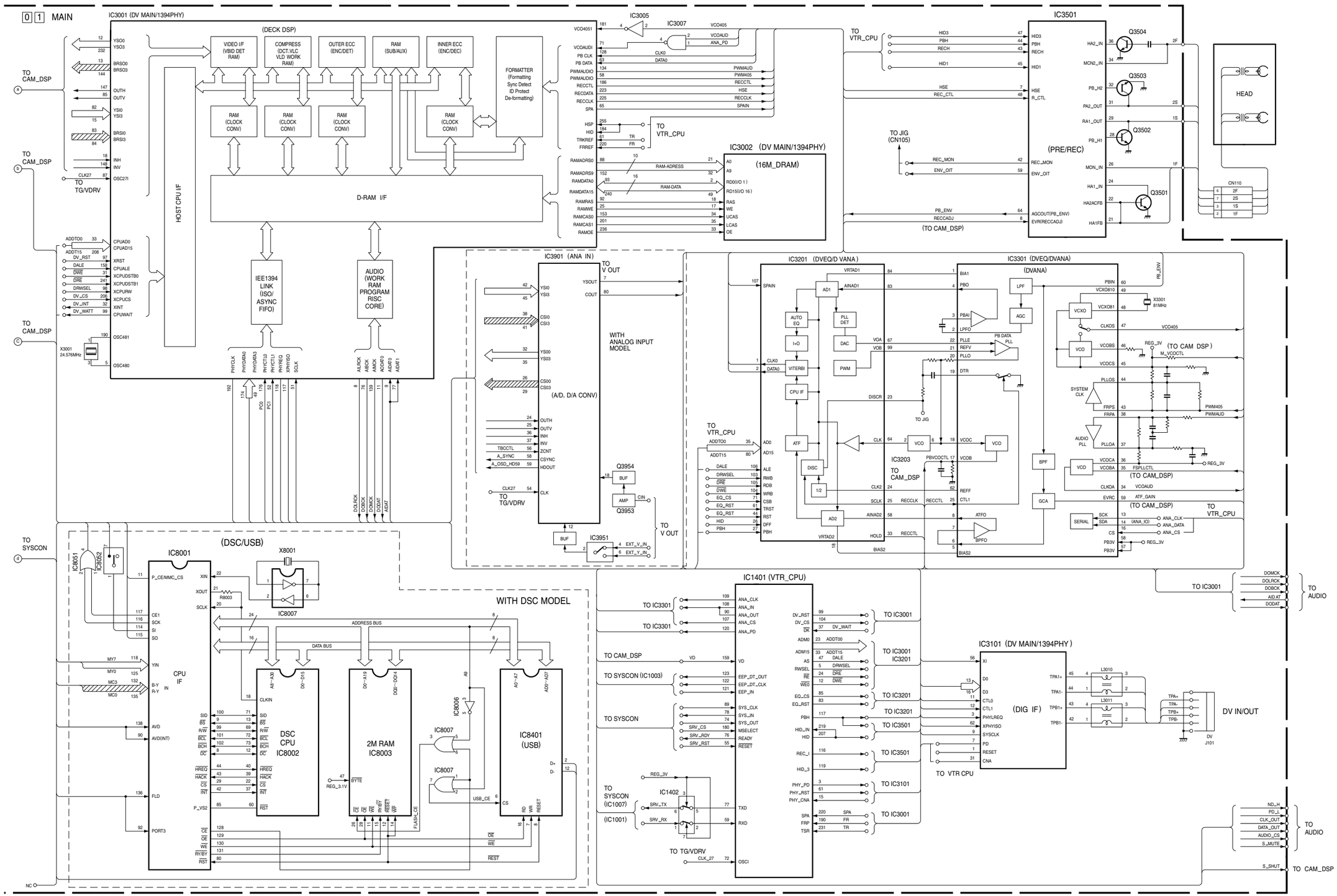


4.31 REGULATOR SYSTEM BLOCK DIAGRAM



4.32 VIDEO SYSTEM BLOCK DIAGRAM




0 1 MAIN
IC3001 (DV MAIN/1394PHY)
(DECK DSP)
VIDEO I/F (VBID DET RAM)
COMPRESS (DCT,VLC VLD WORK RAM)
OUTER ECC (ENC/DET)
RAM (SUB/AUX)
INNER ECC (ENC/DEC)
FORMATTER (Formatting Sync Detect ID Protect De-formatting)
RAM (CLOCK CONV)
HOST CPU I/F
D-RAM I/F
IEEE1394 LINK (ISO/ ASYNC FIFO)
AUDIO (WORK RAM PROGRAM RISC CORE)
TO CAM_DSP
TO TG/VDRV
X3001 24.576MHz
IC3005
IC3007
IC3002 (DV MAIN/1394PHY)
(16M_DRAM)
TO VTR_CPU
IC3501
(PRE/REC)
TO JIG (CN105)
Q3504
Q3503
Q3502
Q3501
HEAD
CN110
IC3901 (ANA IN)
(A/D, D/A CONV)
WITH ANALOG INPUT MODEL
TO V OUT
Q3954
Q3953
IC3951
IC3201 (DVEQ/D VANA)
IC3303 (DVEQ/DVANA)
(DVANA)
IC3203
TO CAM_DSP
TO JIG
(DSC/USB)
IC8001
X8001
IC8007
IC8651
IC8652
TO SYSCON
WITH DSC MODEL
CPU IF
DSC CPU IC8002
2M RAM IC8003
IC8401 (USB)
IC8006
IC1401 (VTR_CPU)
IC1402
TO SYSCON (IC1007)
(IC1001)
TO TG/VDRV
IC3101 (DV MAIN/1394PHY)
(DIG IF)
TO VTR CPU
DV IN/OUT
DV J101
TO IC3001
TO AUDIO
TO CAM_DSP
S_SHUT
E. & O. E. No. 86613B
(Sanwa)-M1D225/D2L5