


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.

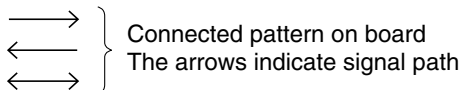
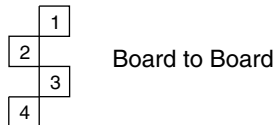
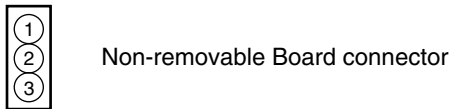
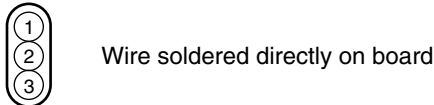
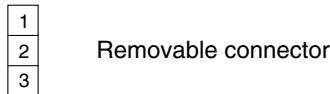
- 1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
Chip resistors are 1/16 W.
K: K Ω (1000 Ω), M: M Ω (1000K Ω)
- 2) All capacitance values are in μ F, (P: PF).
- 3) All inductance values are in μ H, (m: mH).
- 4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

2. Indications of control voltage

AUX : Active at high.

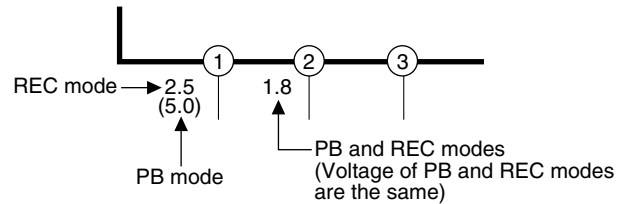
$\overline{\text{AUX}}$ or AUX(L) : Active at low.

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.

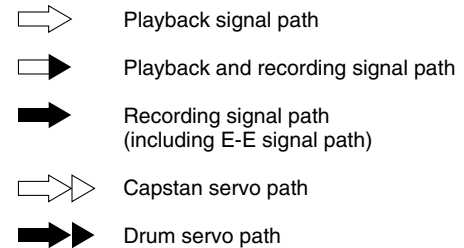


Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

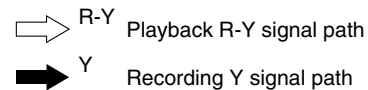
5. Signal path Symbols

The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.



(Example)



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.



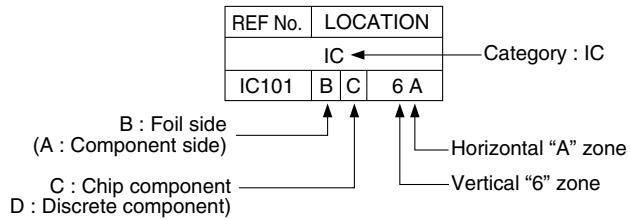
CIRCUIT BOARD NOTES

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

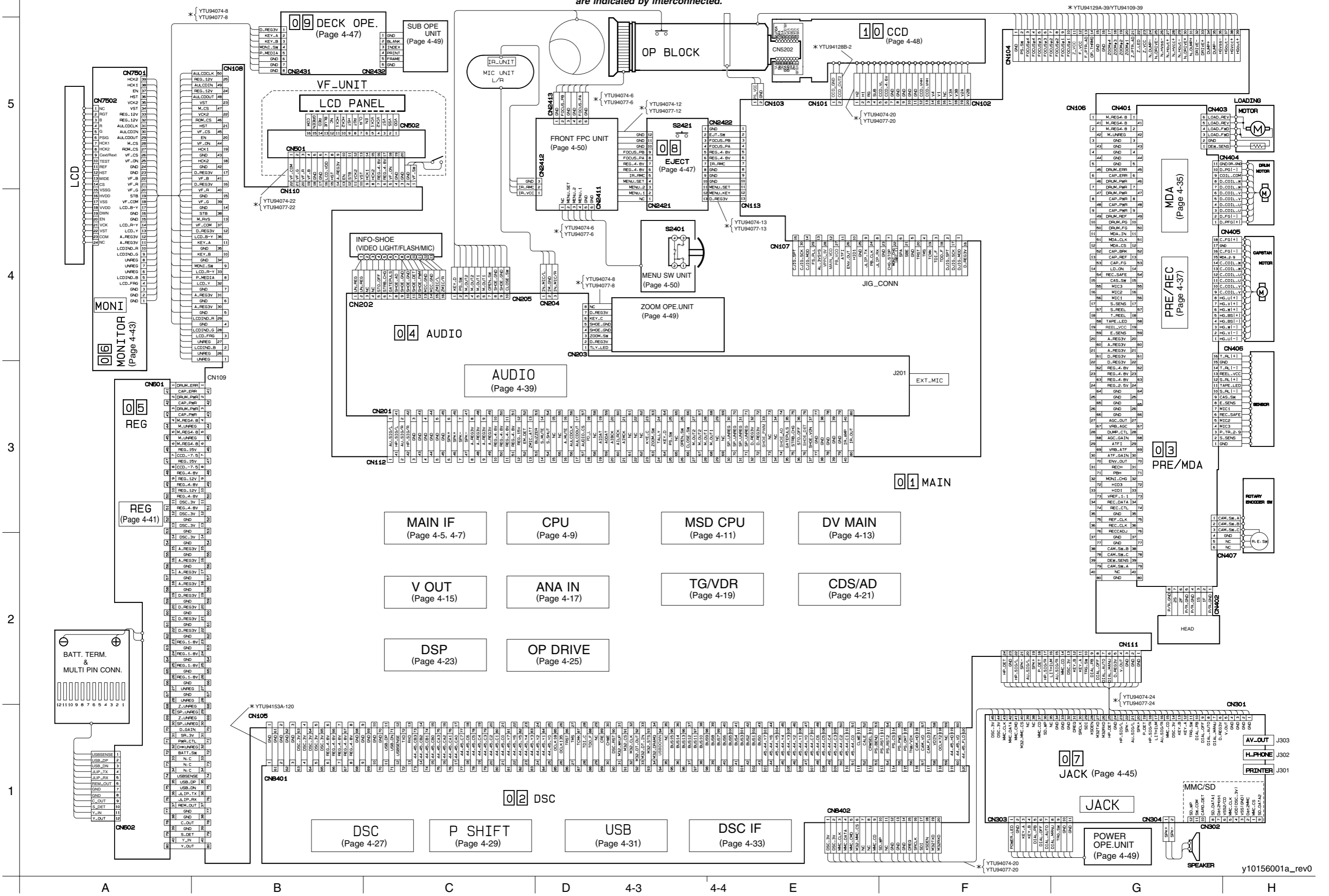
Parts location are indicated by guide scale on the circuit board.



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

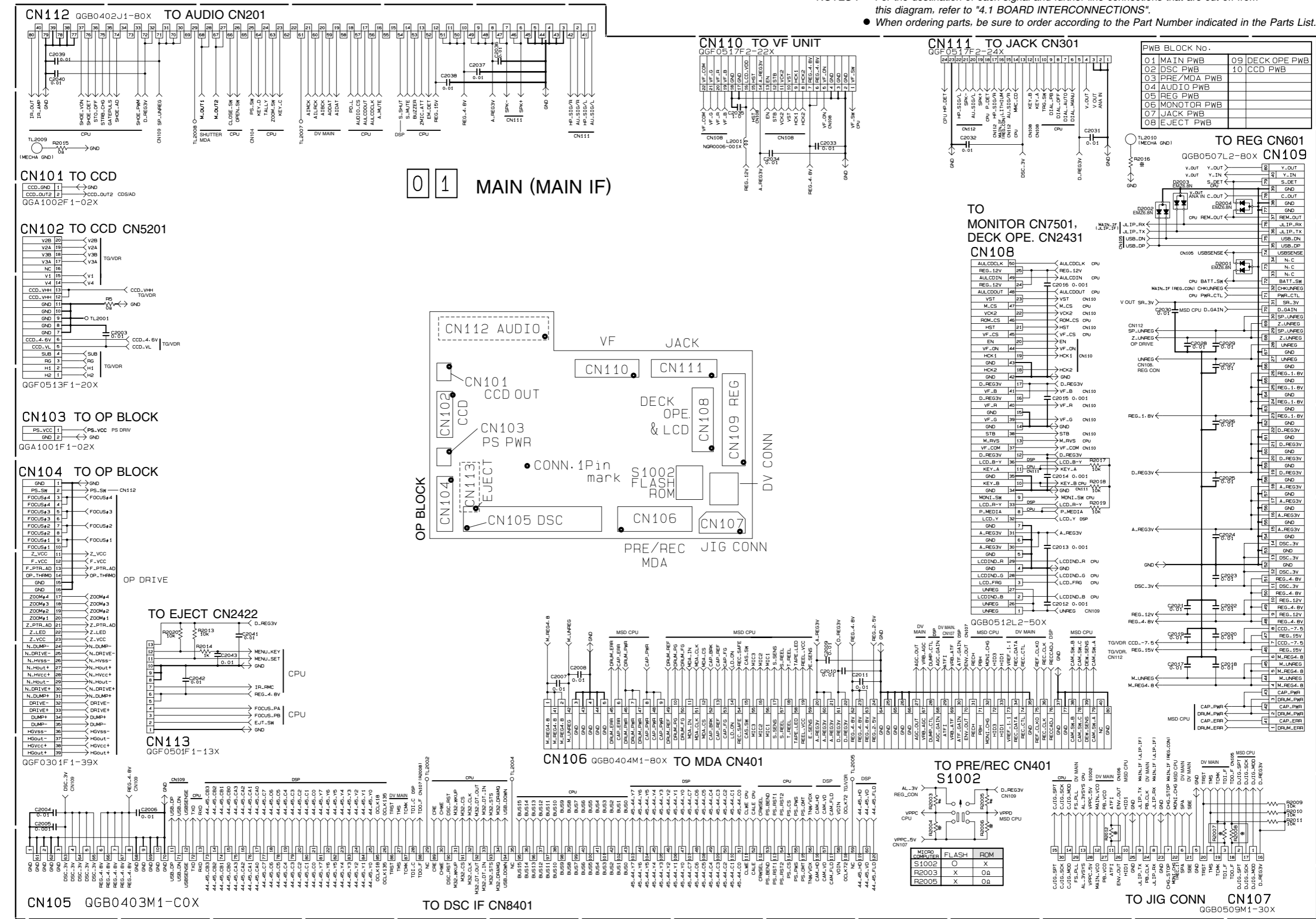
4.1 BOARD INTERCONNECTIONS

NOTE) * : The number of patch cords are indicated by interconnection.



4.2 MAIN IF SCHEMATIC DIAGRAM (1/2)

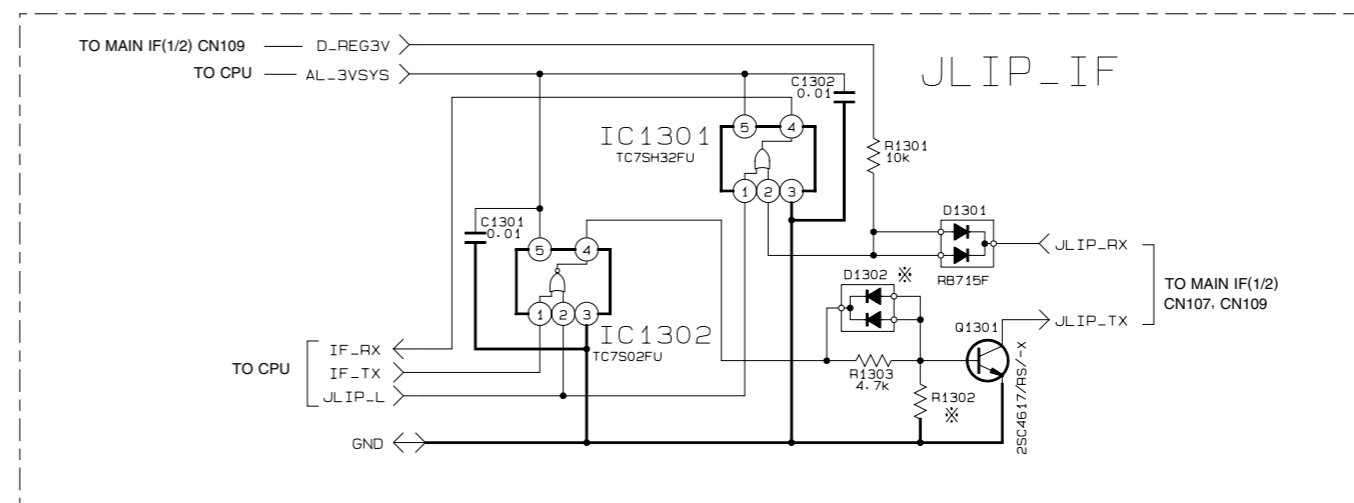
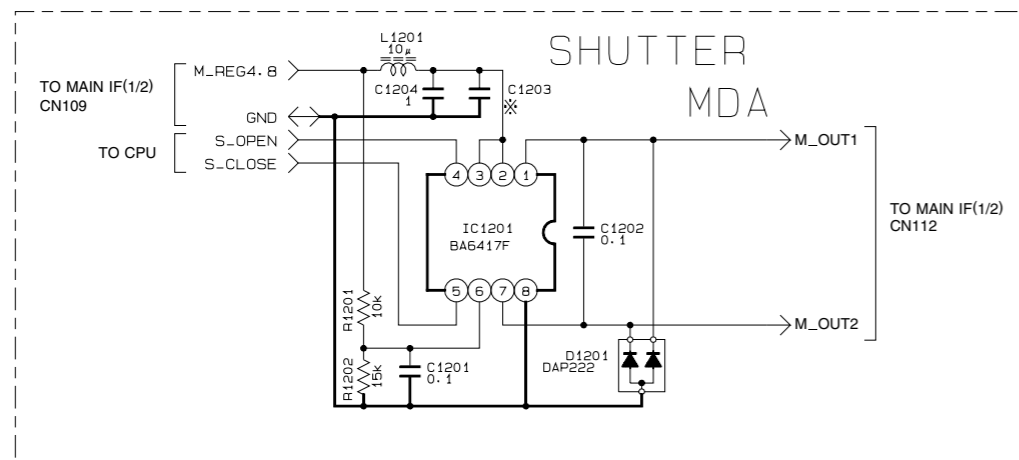
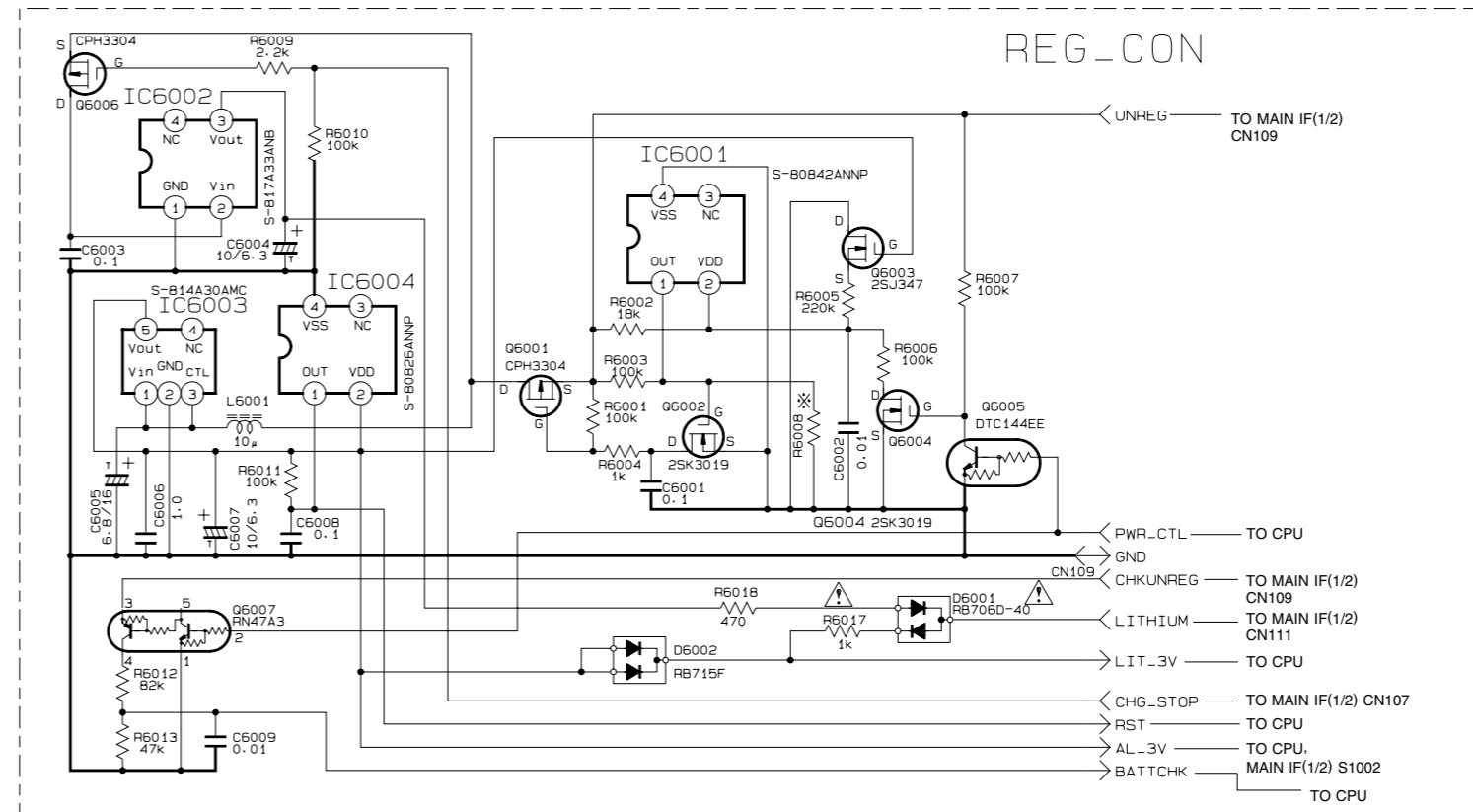
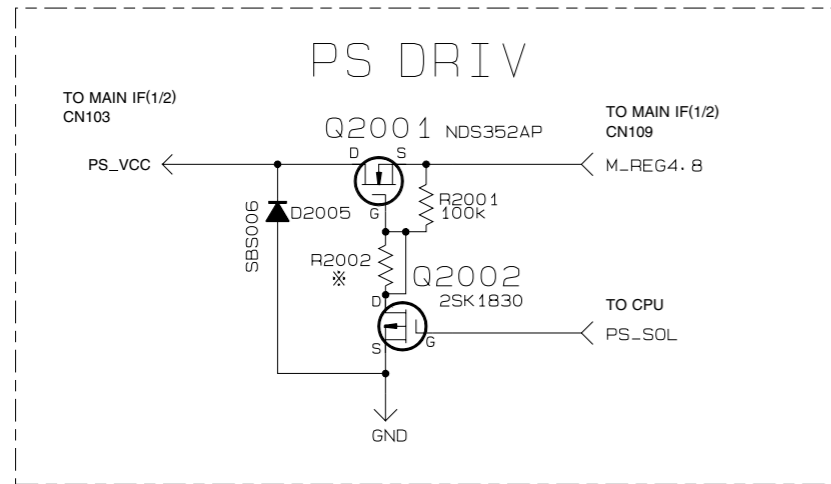
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
 ● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



4.3 MAIN IF SCHEMATIC DIAGRAM (2/2)

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.

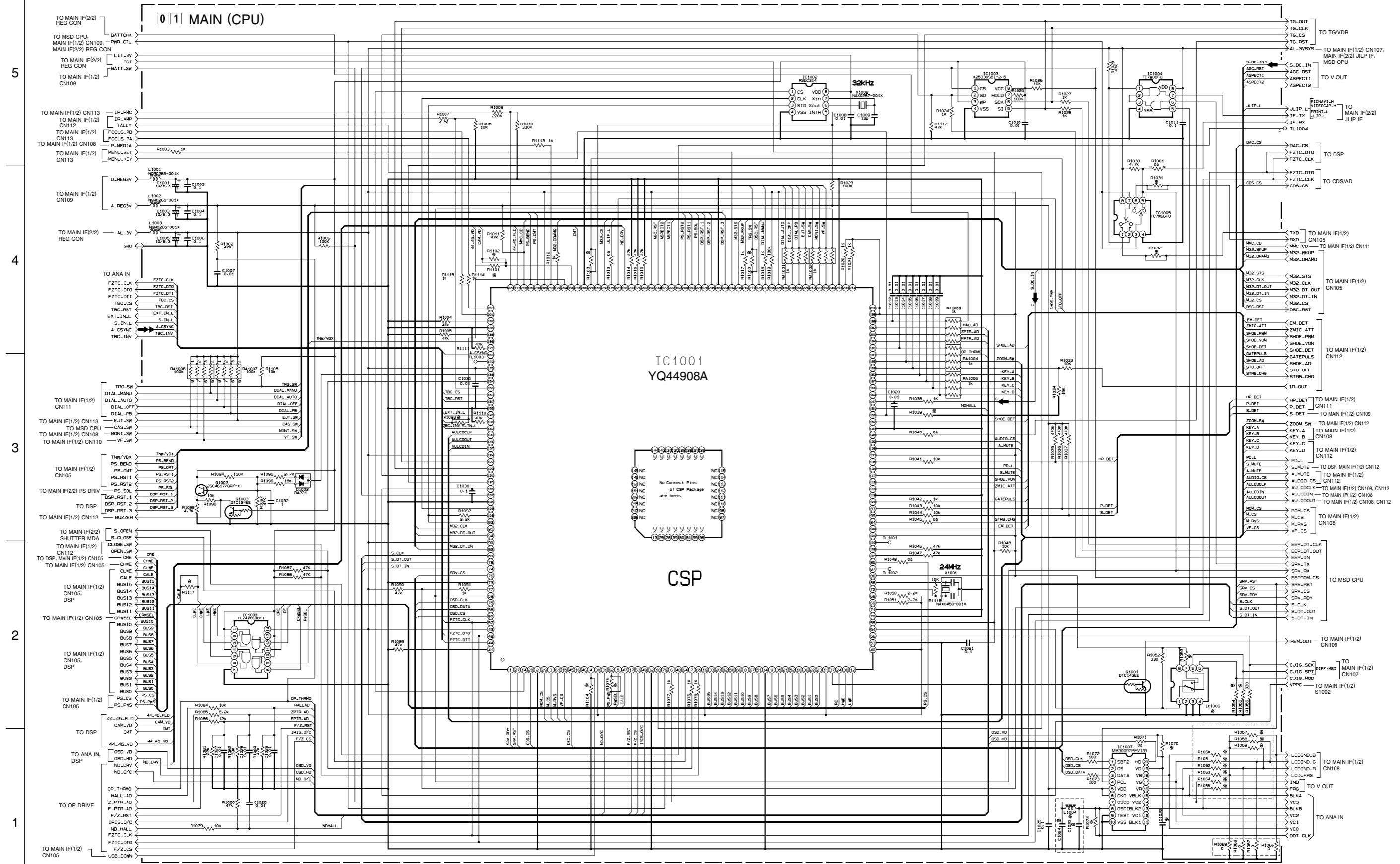
01 MAIN (MAIN IF)



※ NO WEAR

4.4 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.

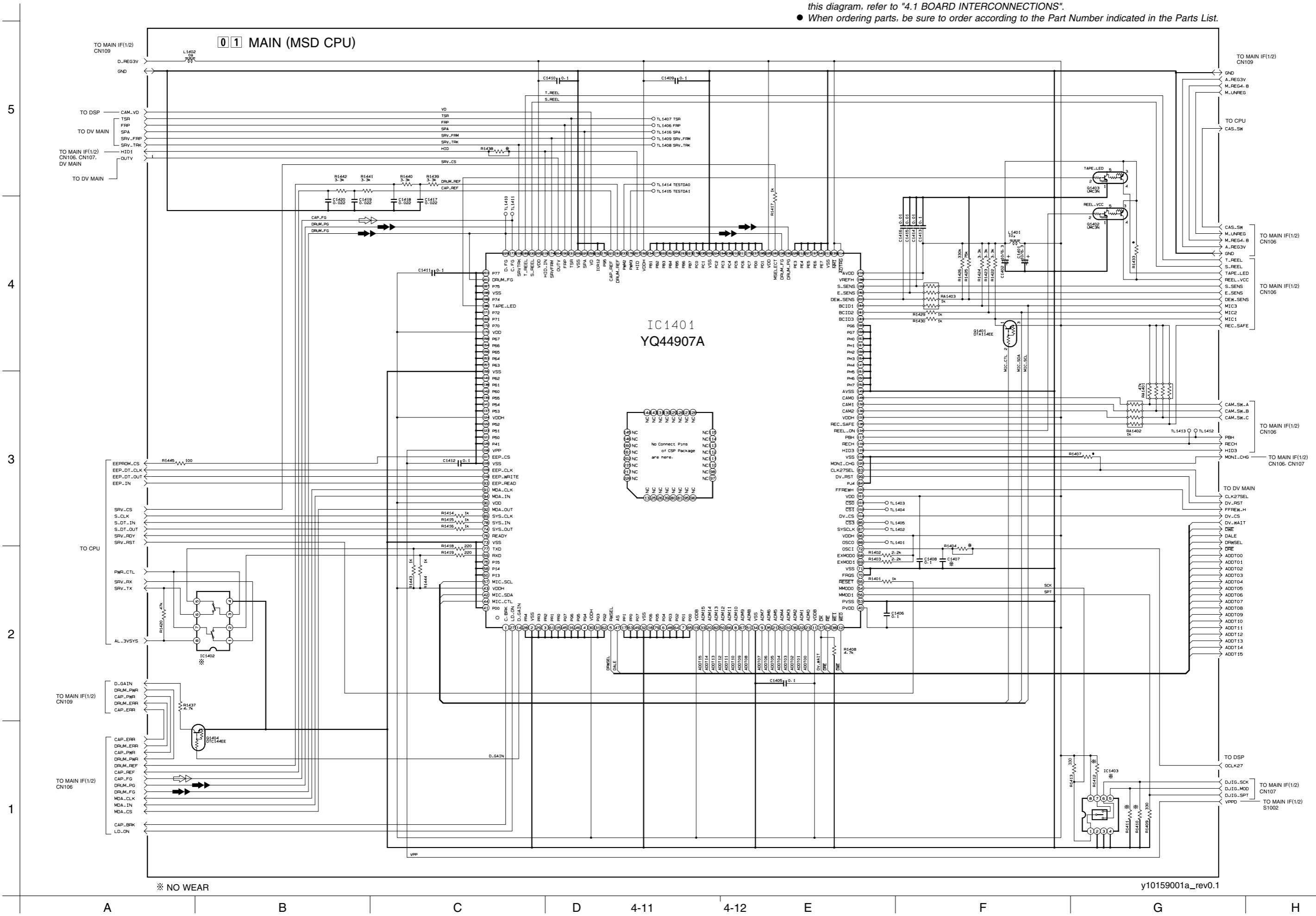


※ NO WEAR

y10158001a_rev0.1

4.5 MSD 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.

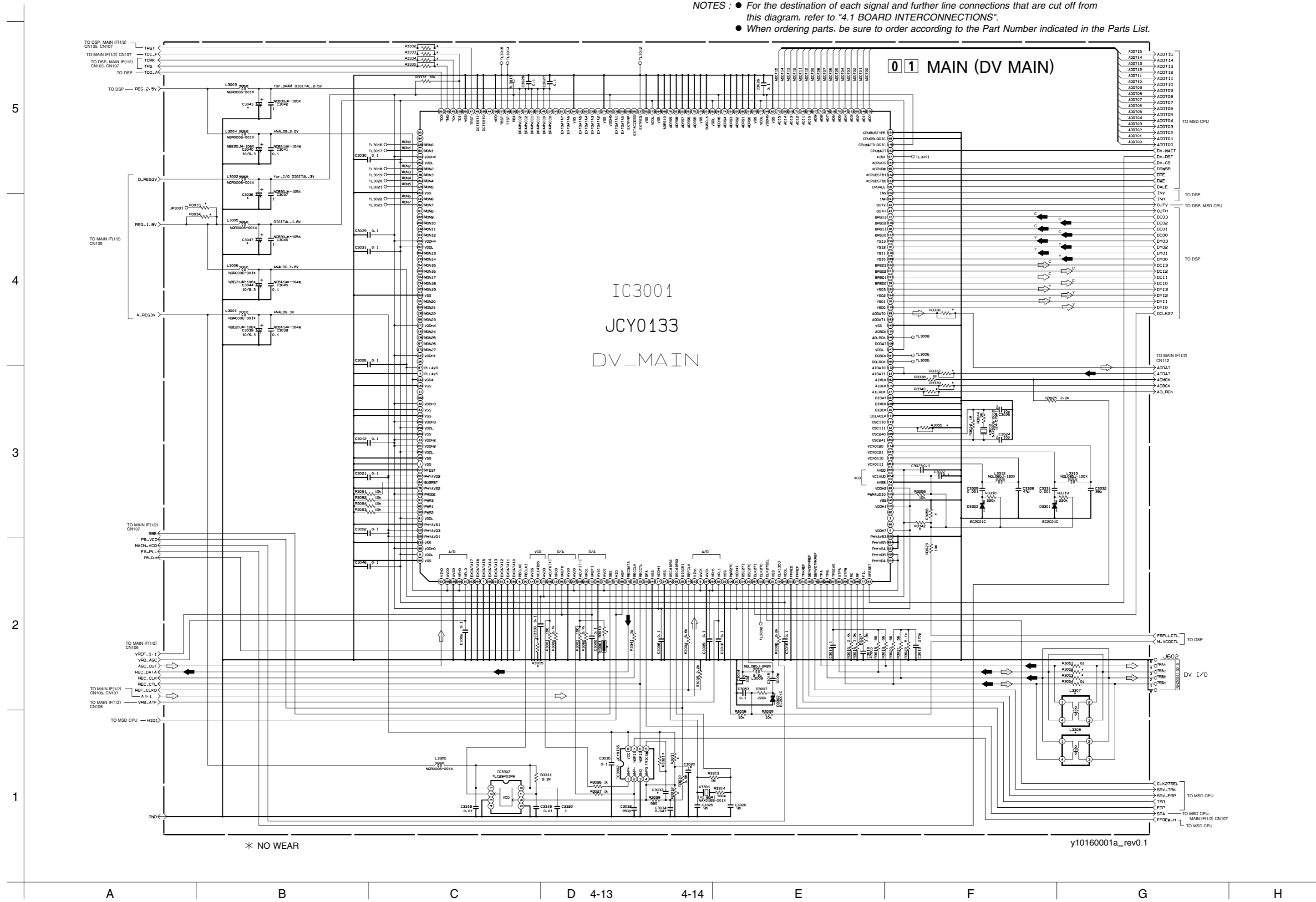


※ NO WEAR

y10159001a_rev0.1

4.6 DV MAIN 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.

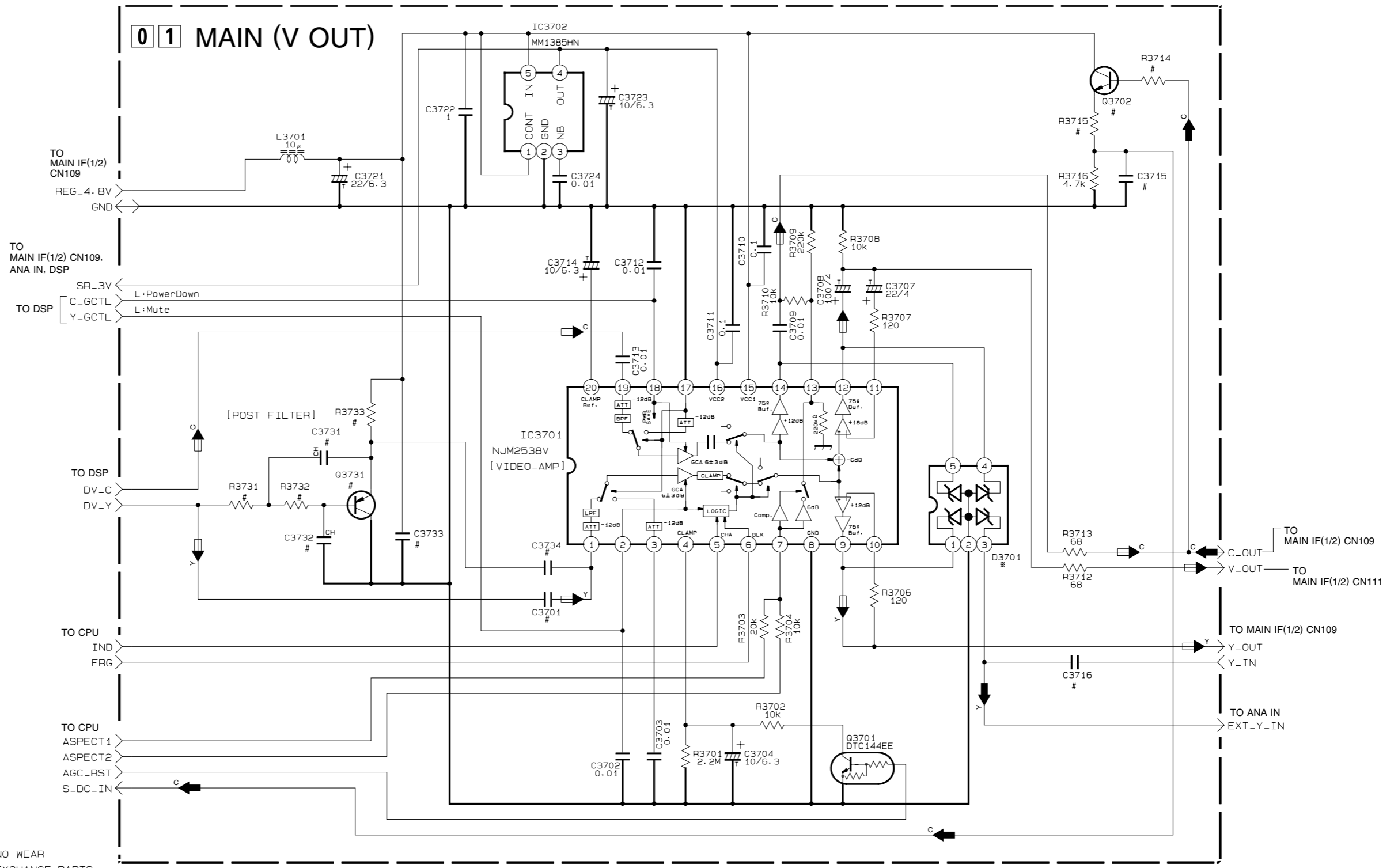


* NO WEAR

y10160001a_rev0.1

4.7 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.



※ NO WEAR
EXCHANGE PARTS

y30106001a_rev1

EXCHANGE PARTS LIST

	ANALOG_IN			ANALOG_IN	
	○	×		○	×
Q3702	2SC4617/RS/-X	※	C3701	0.1	※
Q3731	※	2SA1774/RS/-X	C3715	0.01	※
R3714	100	※	C3716	1	※
R3715	4.7k	※	C3731	※	82p
R3731	※	560	C3732	※	15p
R3732	※	560	C3733	※	0.01
R3733	※	2.2k	C3734	※	0.01

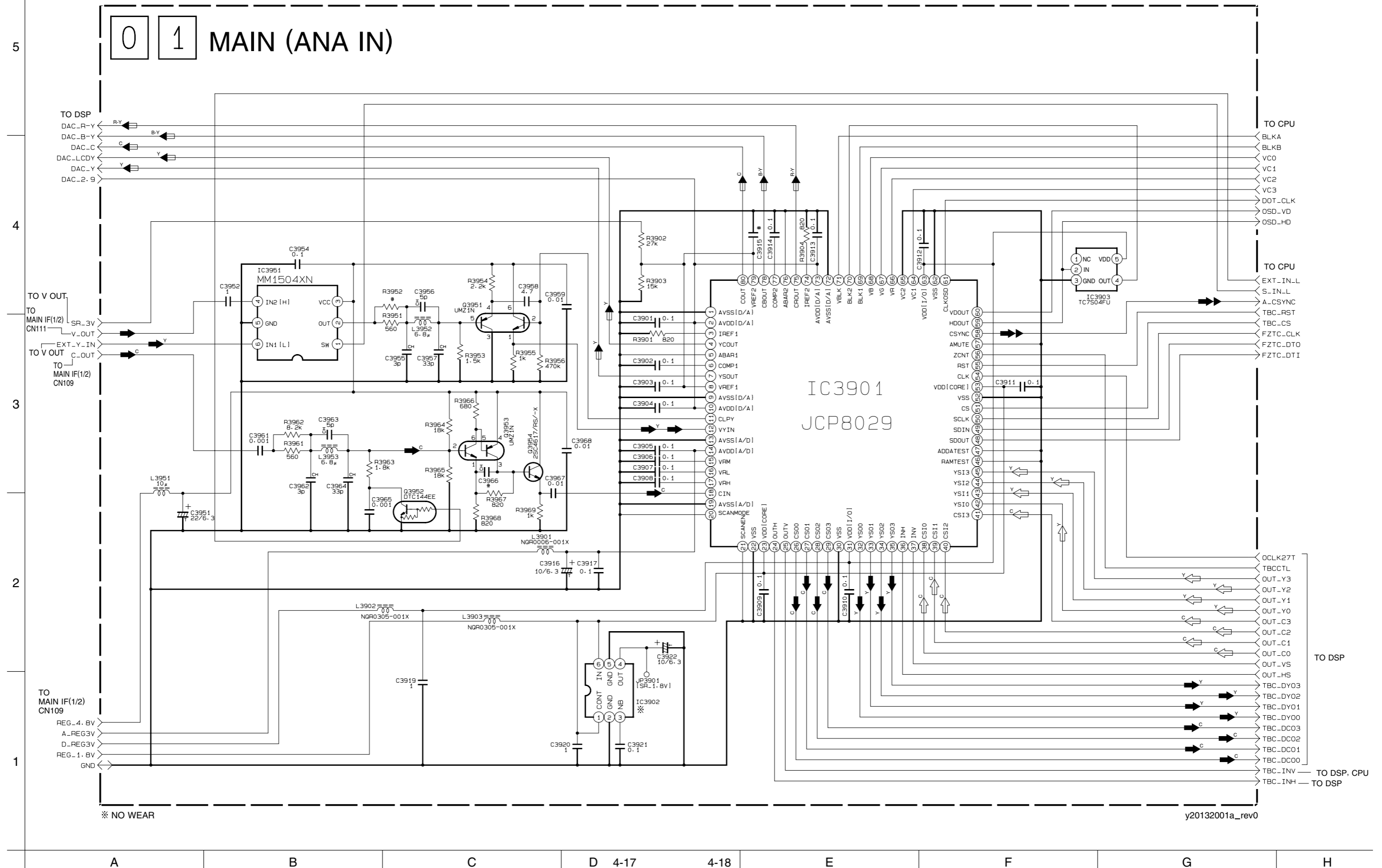
○ : JY-VS200U

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4
3
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1

A B C D 4-15 4-16 E F G H

4.8 ANA IN 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.

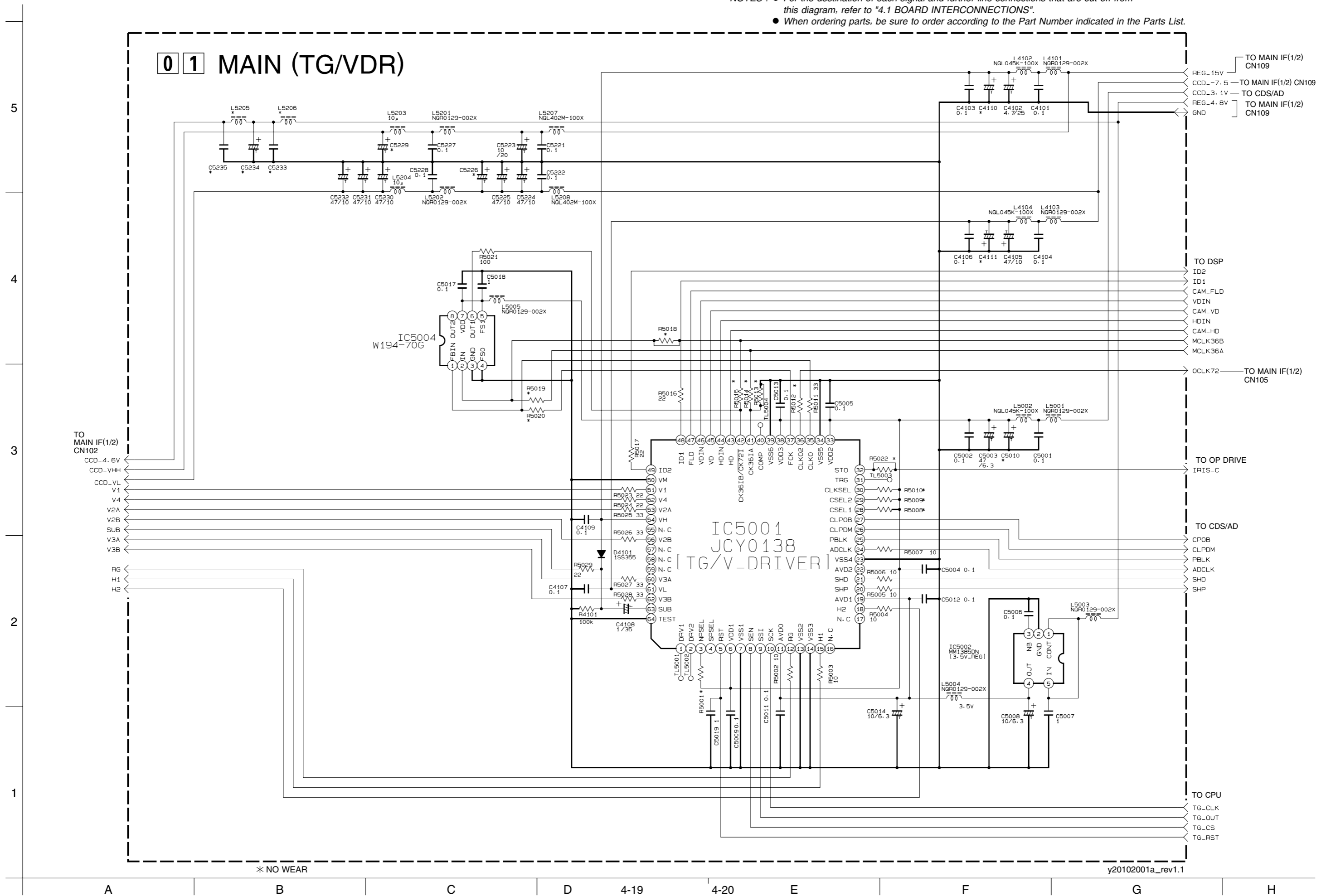


0 1 MAIN (ANA IN)

IC3901
JCP8029

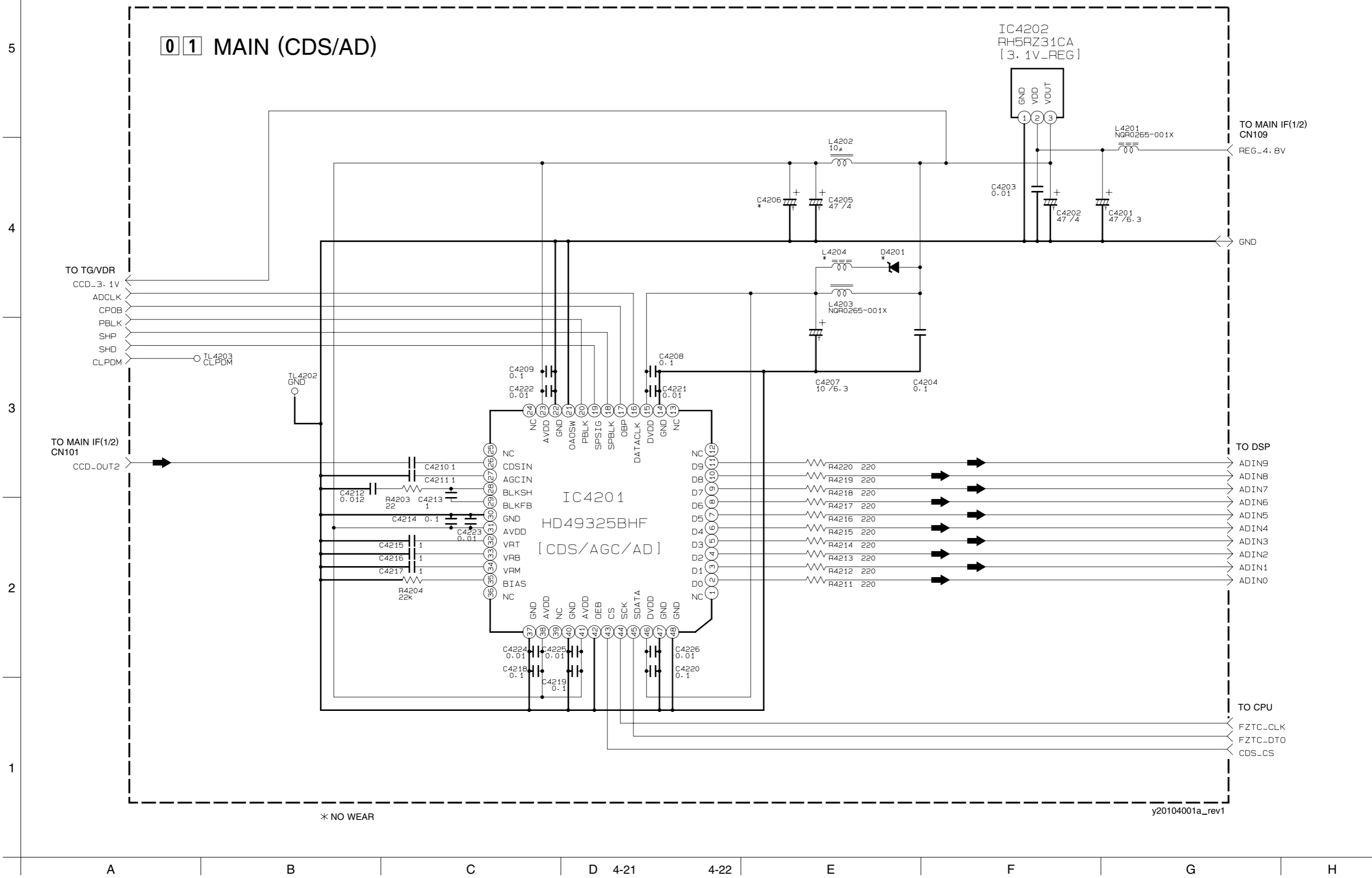
4.9 TG/VDR SCHEMATIC DIAGRAM

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.



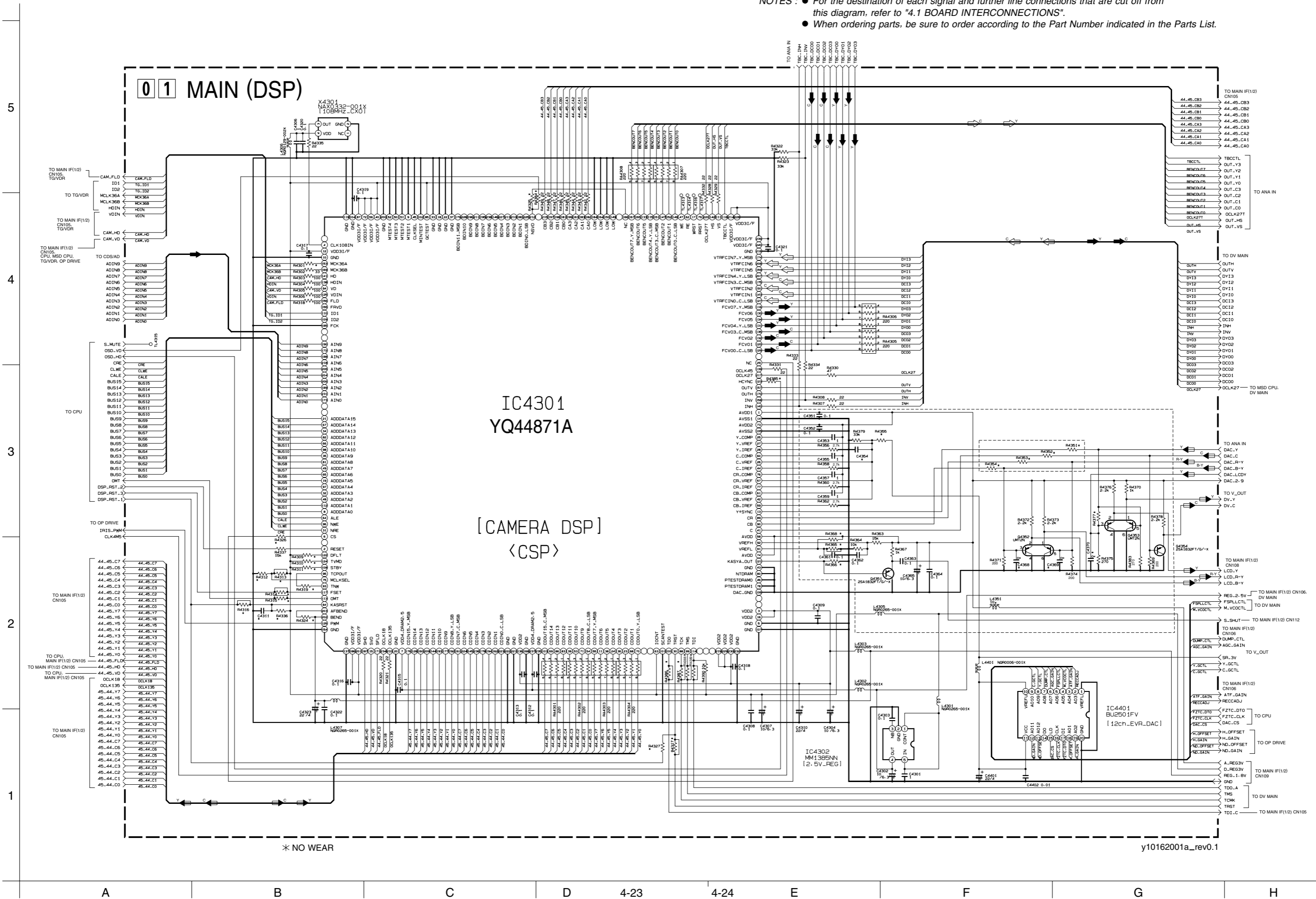
4.10 CDS/AD SCHEMATIC DIAGRAM

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 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.

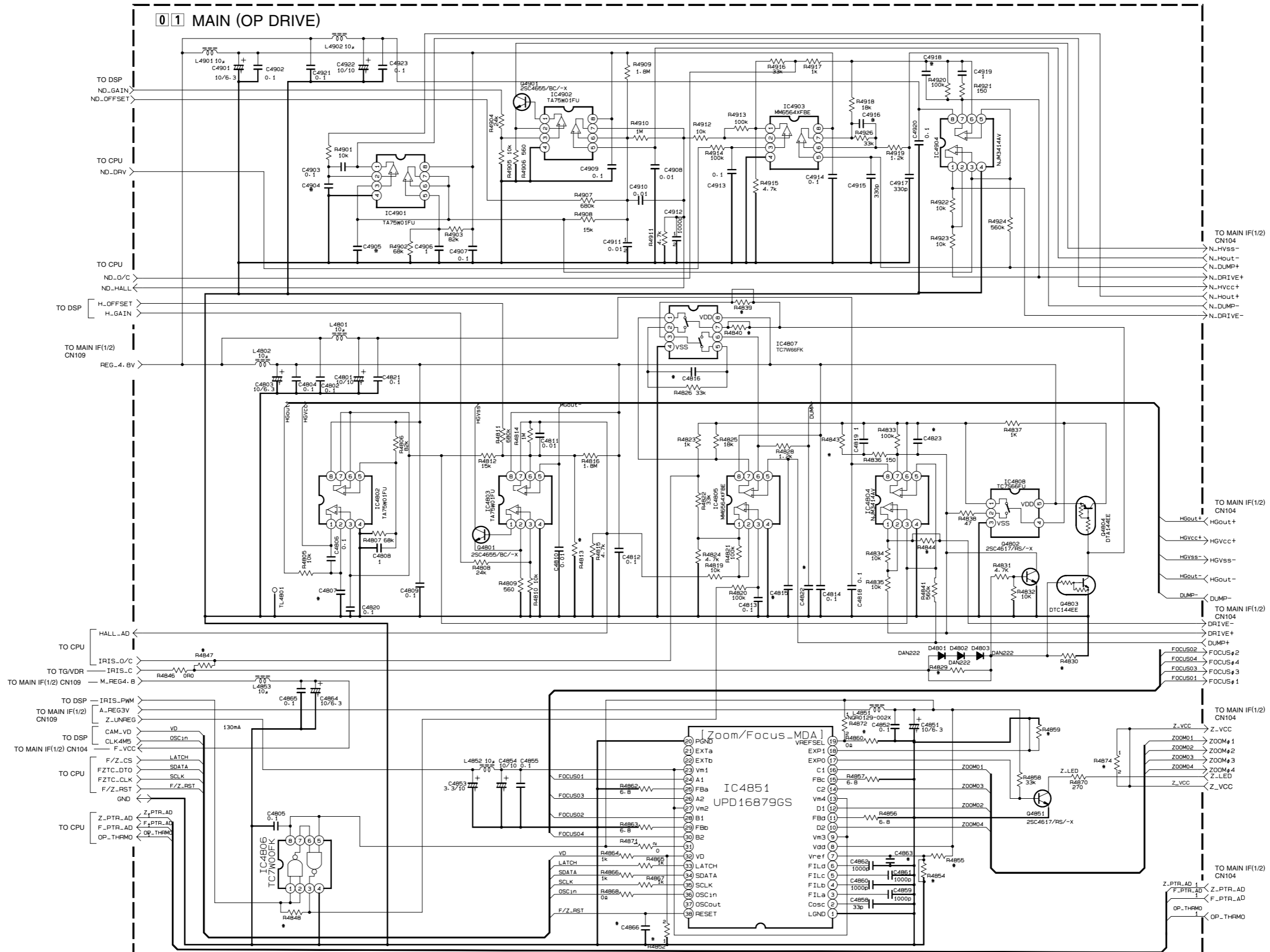


* NO WEAR

y10162001a_rev0.1

4.12 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.

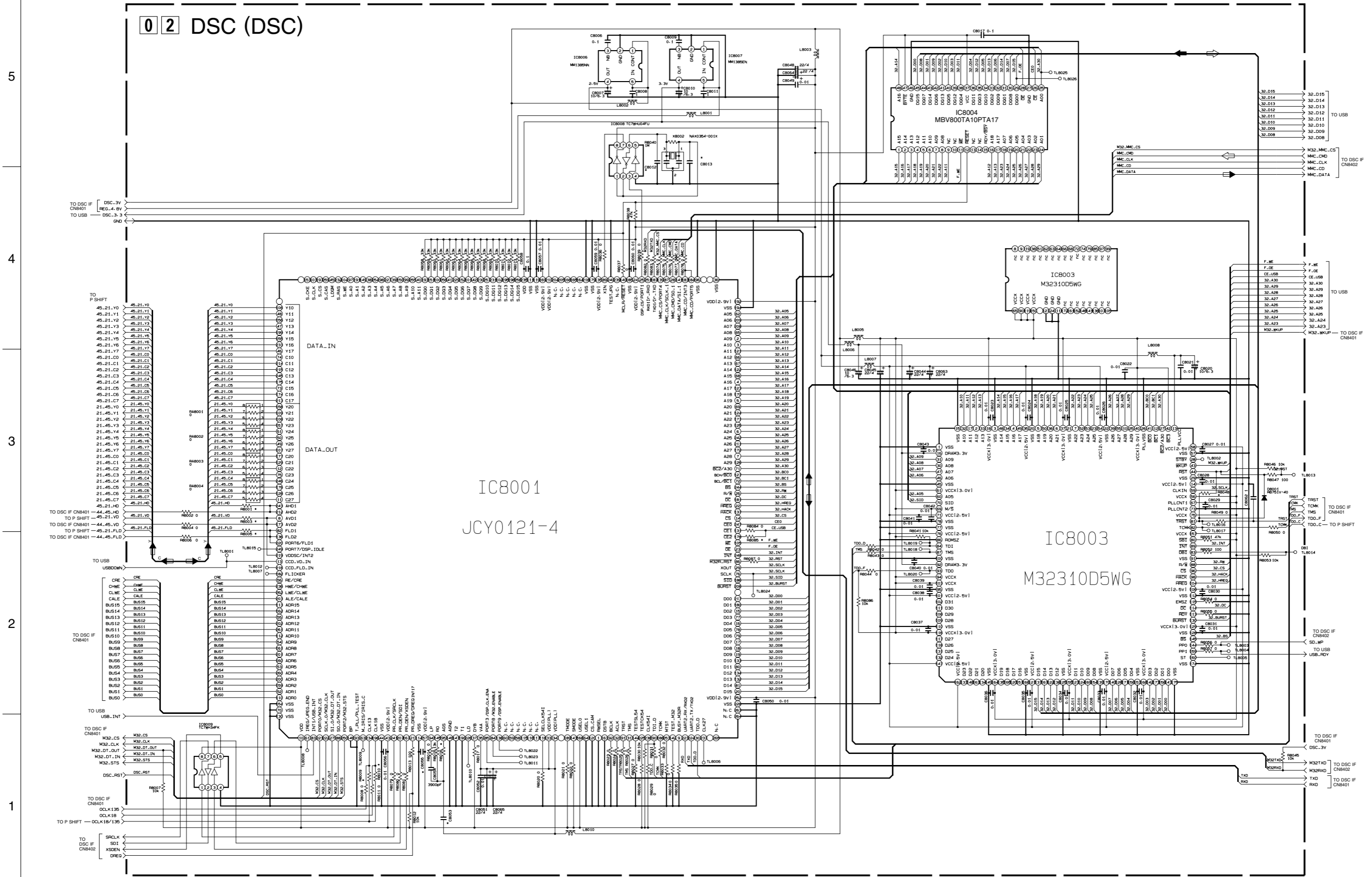


※ NO WEAR

y20107001a_rev1.1

4.13 DSC 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

y10163001a_rev0

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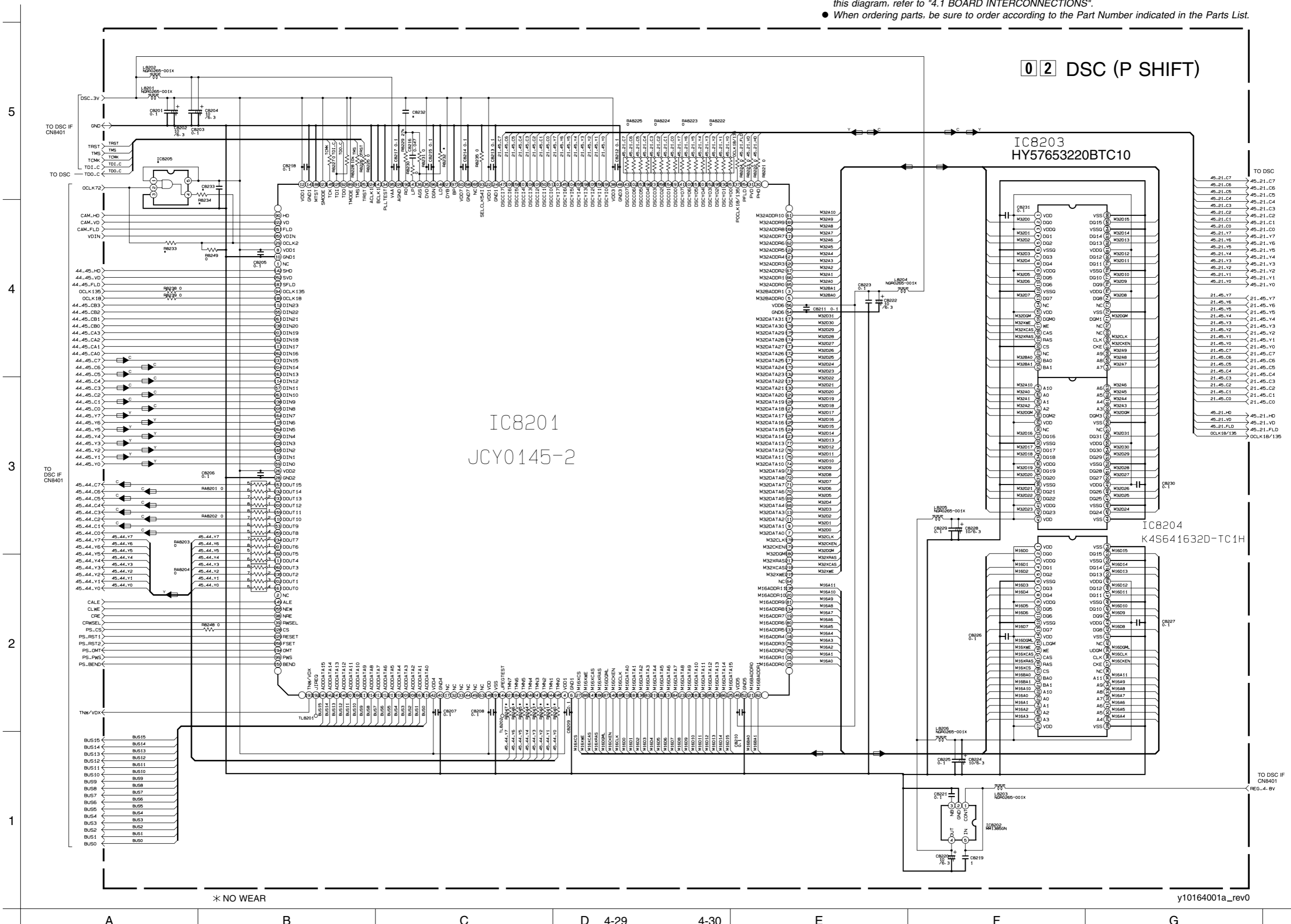
2

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A B C D 4-27 4-28 E F G H

4.14 P SHIFT 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.

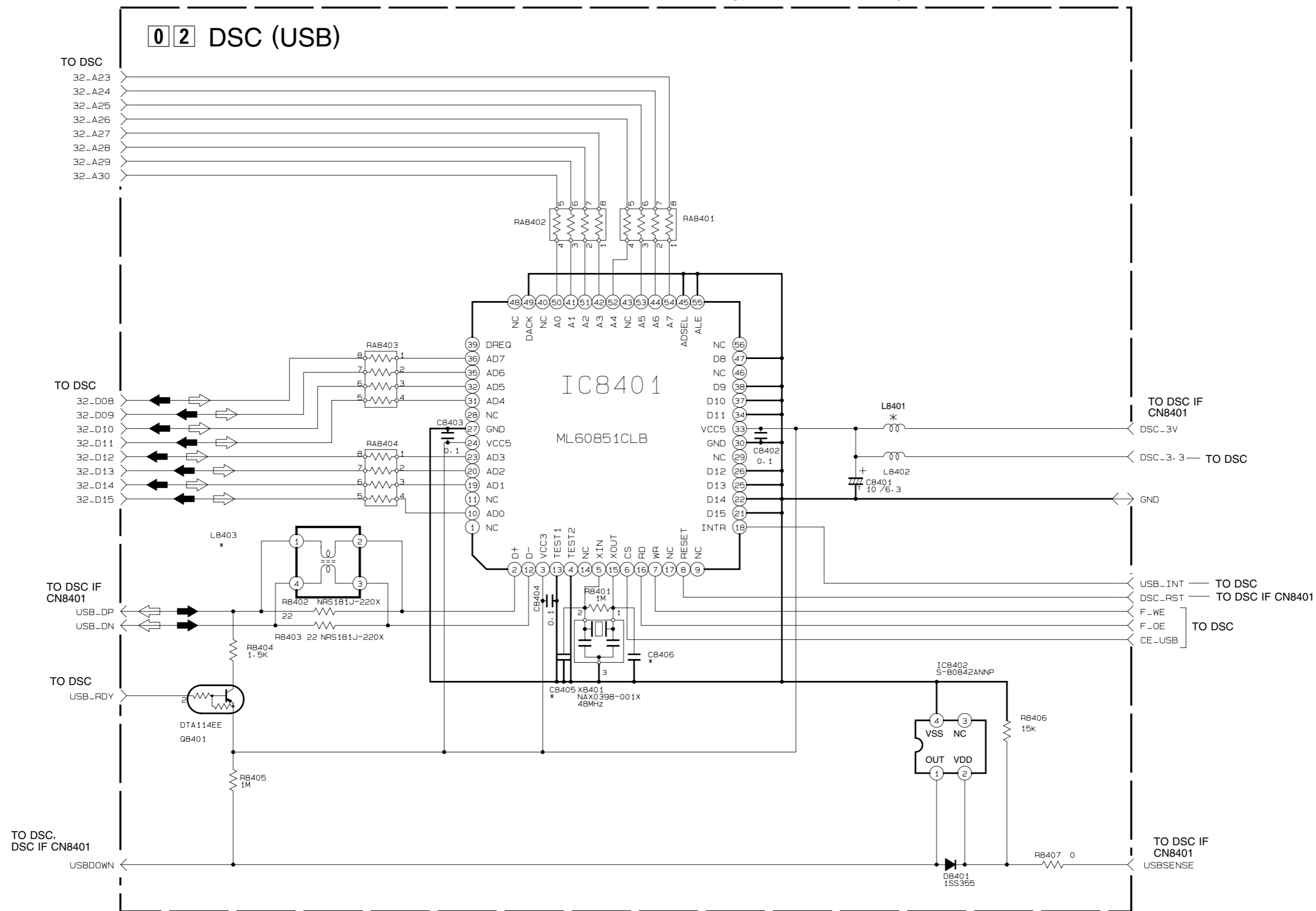


* NO WEAR

y10164001a_rev0

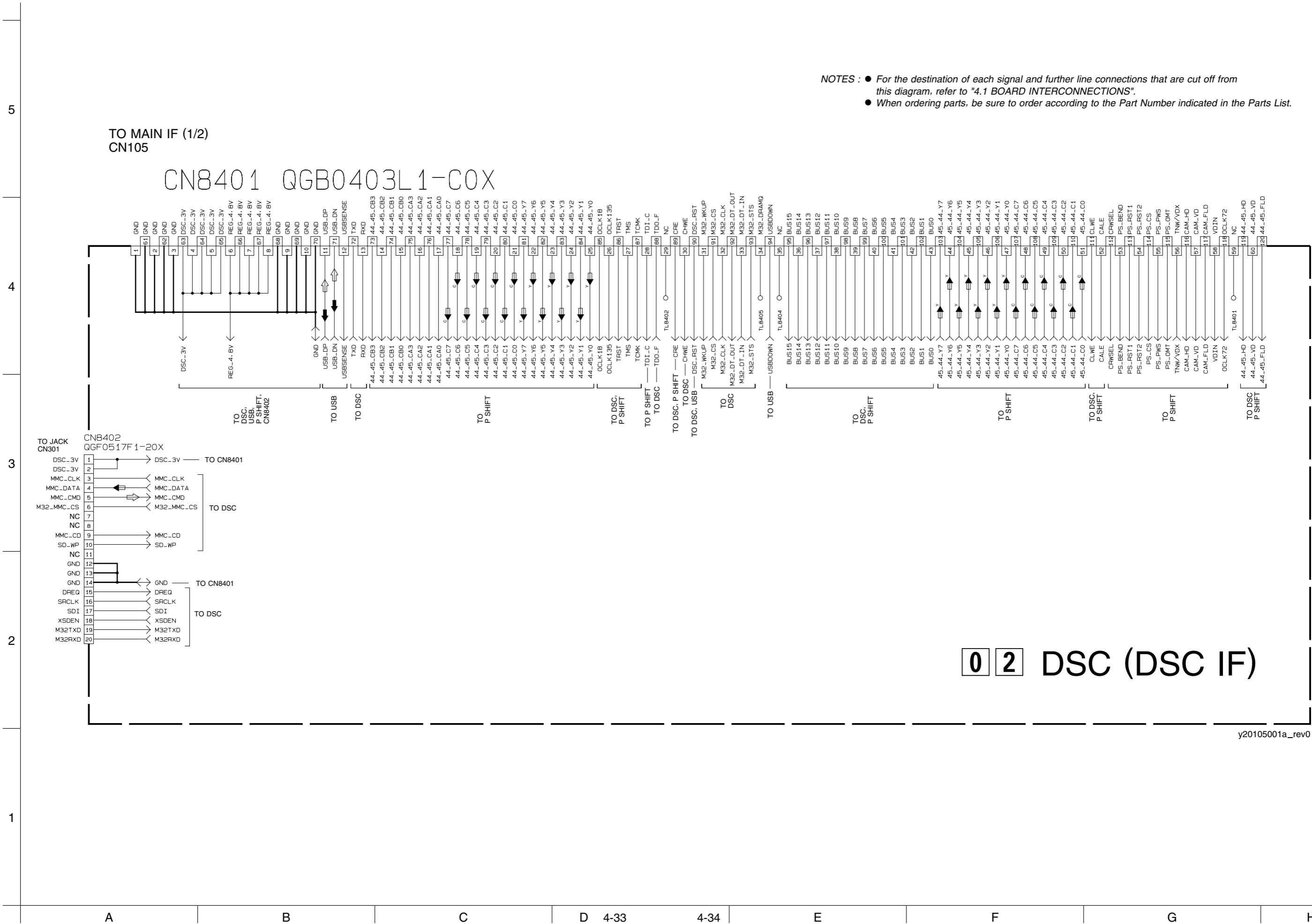
4.15 USB SCHEMATIC DIAGRAM

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.



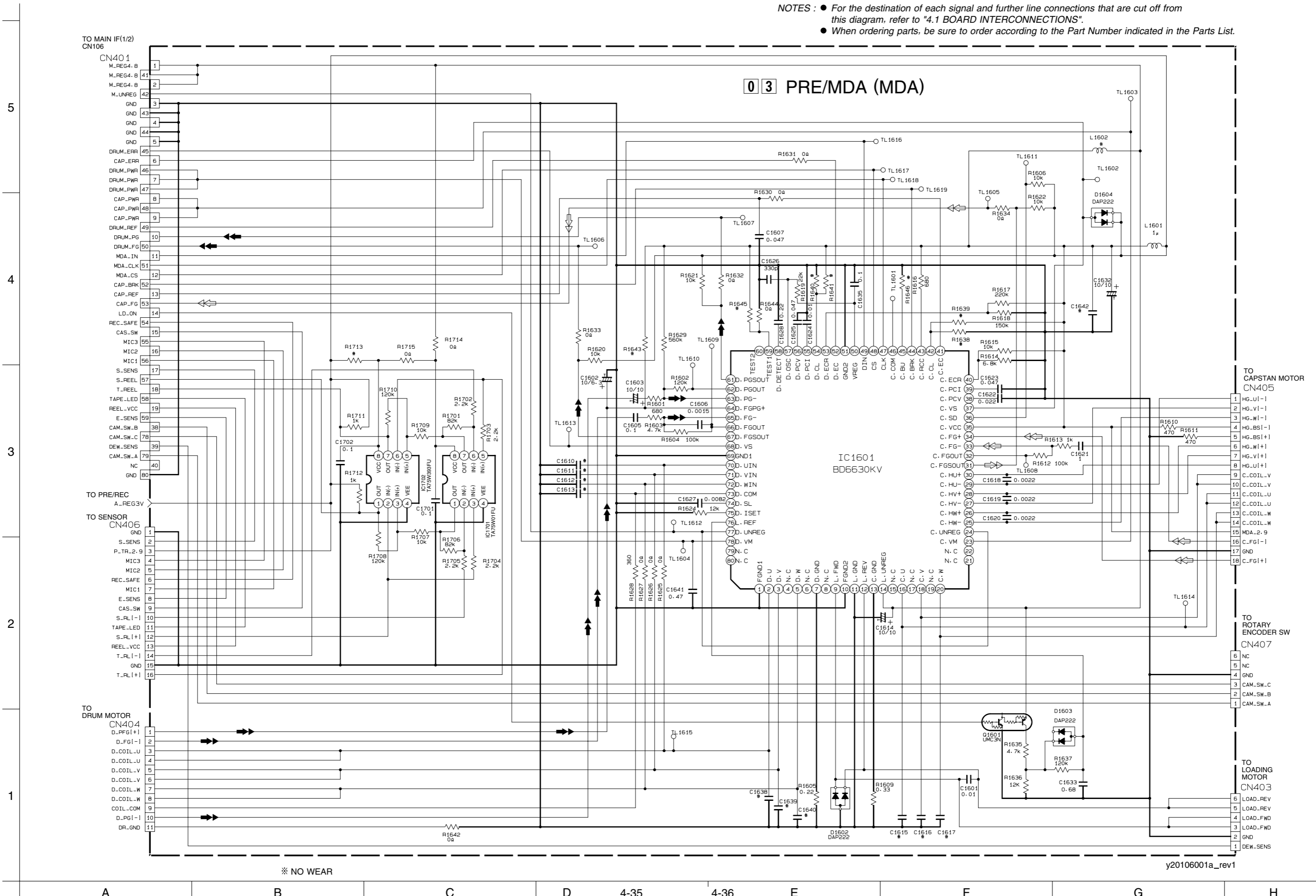
4.16 DSC IF SCHEMATIC DIAGRAM

- 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.



4.17 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.

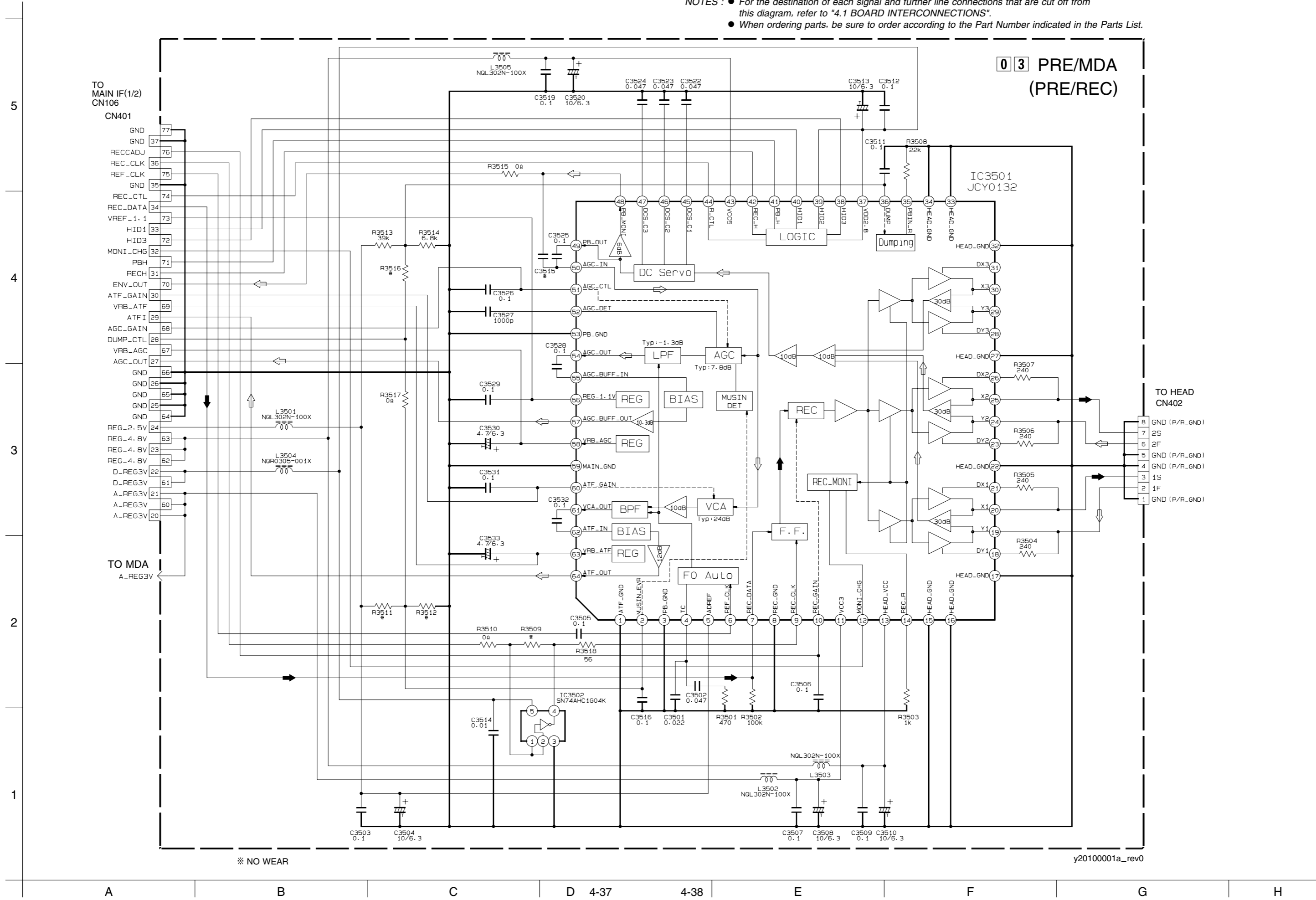


* NO WEAR

y20106001a_rev1

4.18 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.



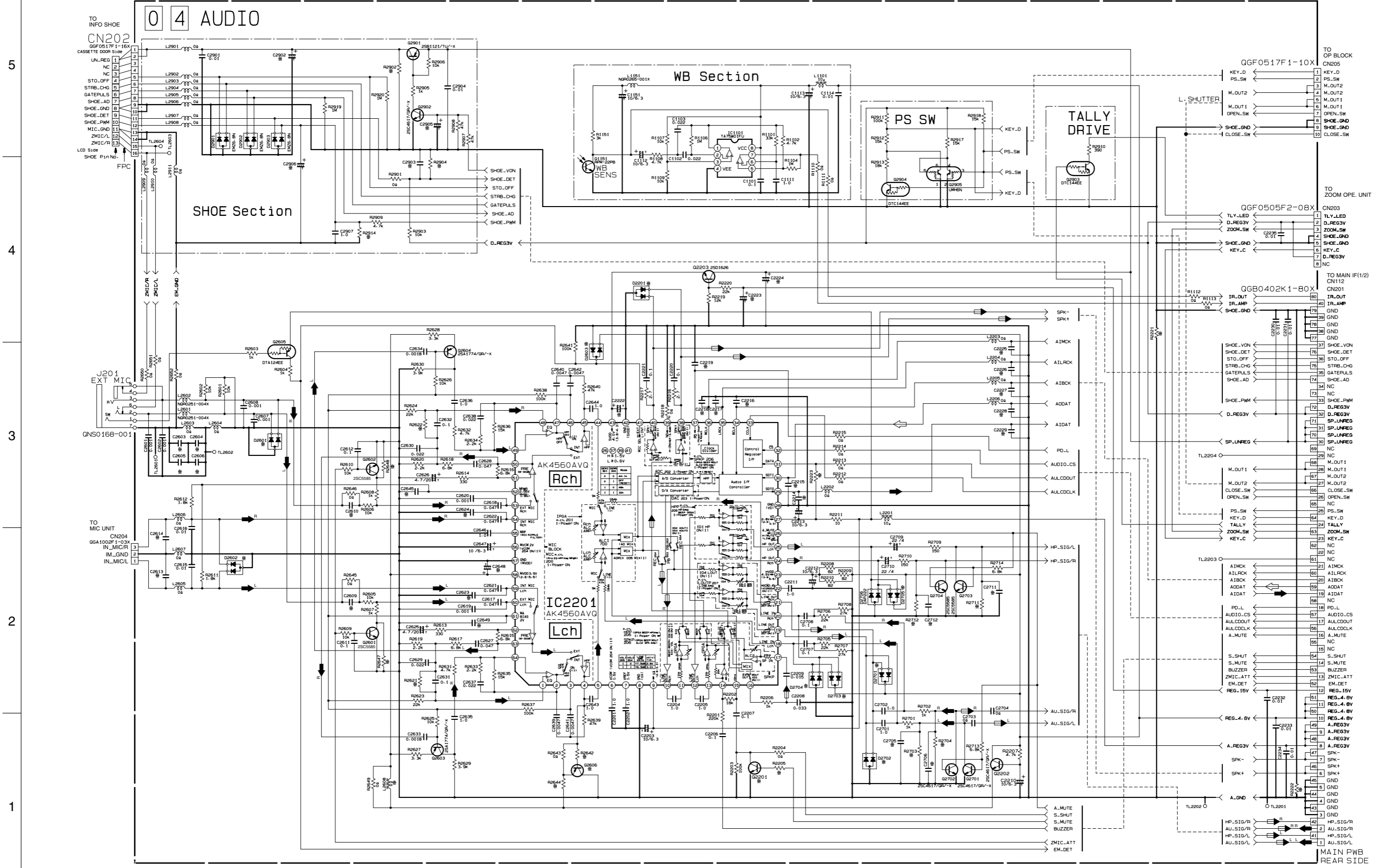
03 PRE/MDA (PRE/REC)

※ NO WEAR

y20100001a_rev0

4.19 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.

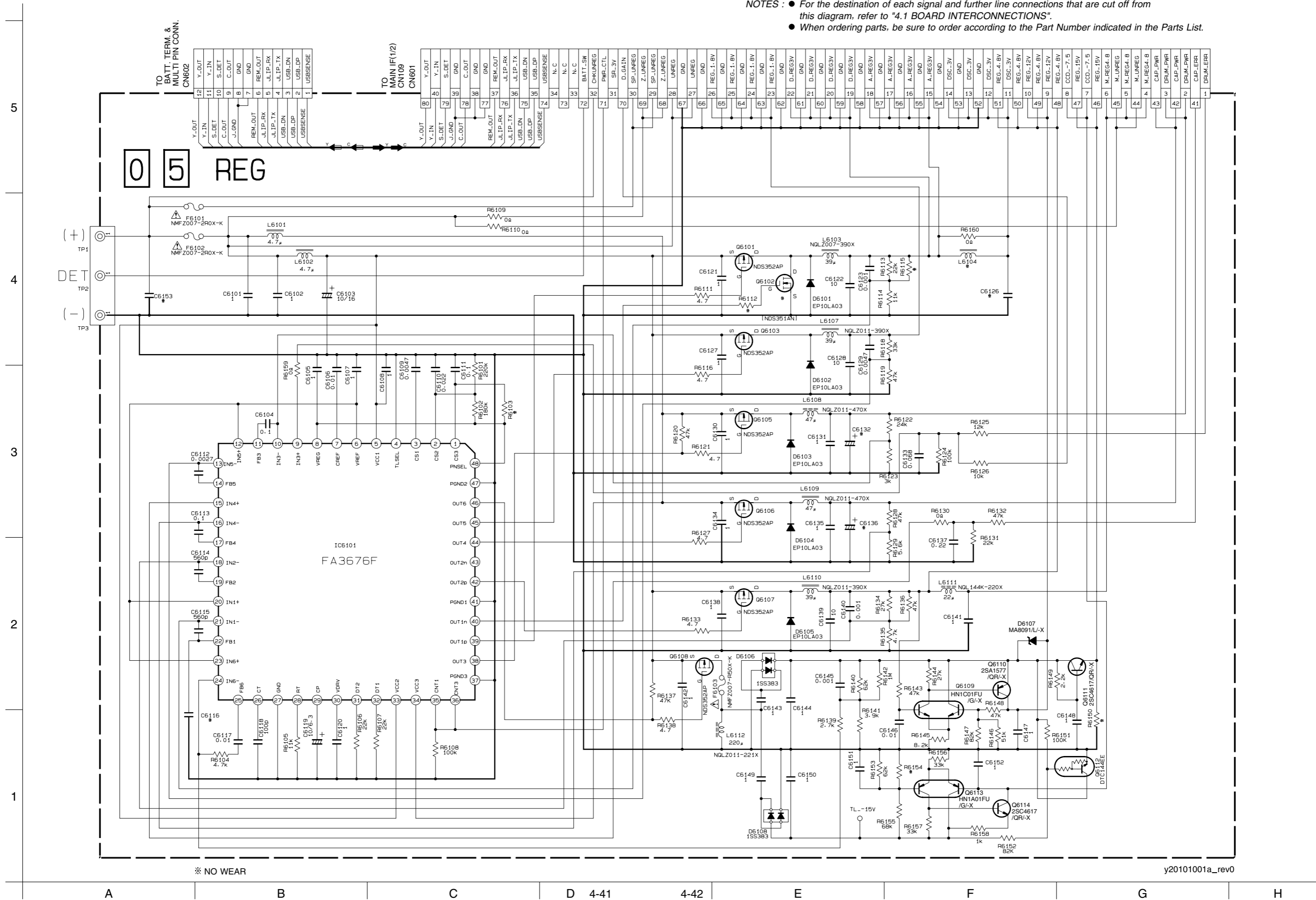


* NO WEAR

y10161001a_rev0.1

4.20 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.

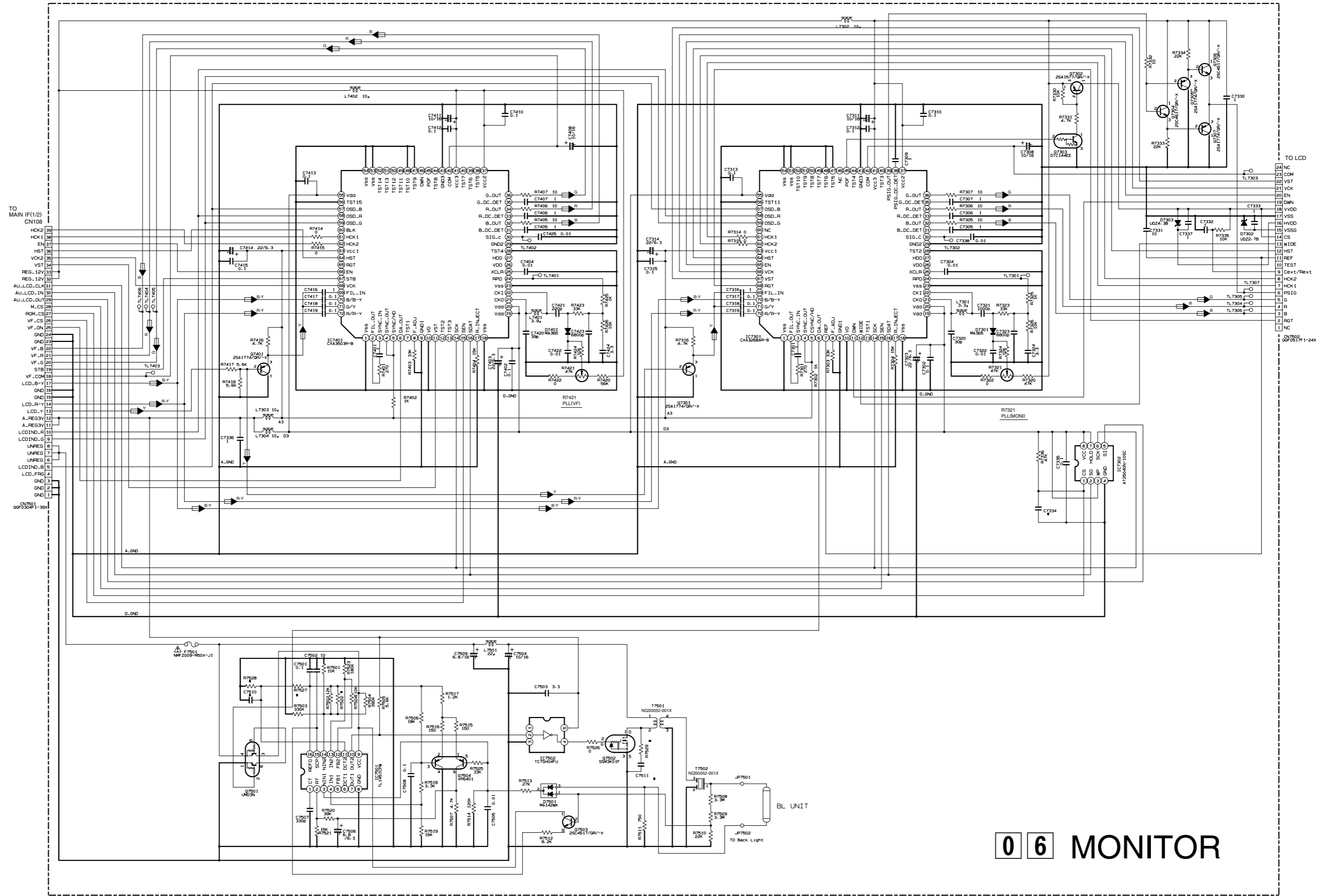


※ NO WEAR

y20101001a_rev0

4.21 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.



※ NO WEAR

y10165001a_rev0

A B C D 4-43 4-44 E F G H

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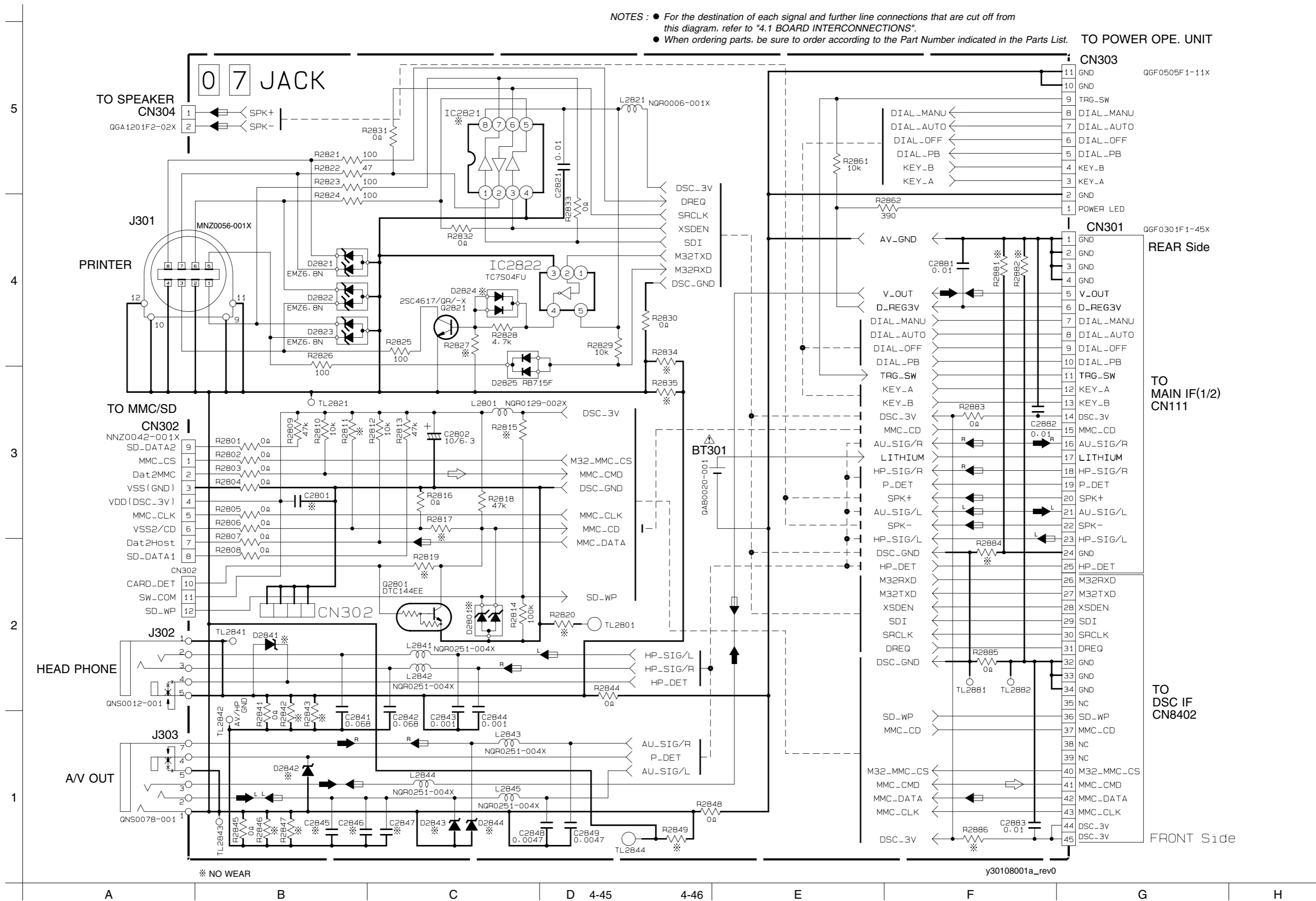
3

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4.22 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.



* NO WEAR

y30108001a_rev0

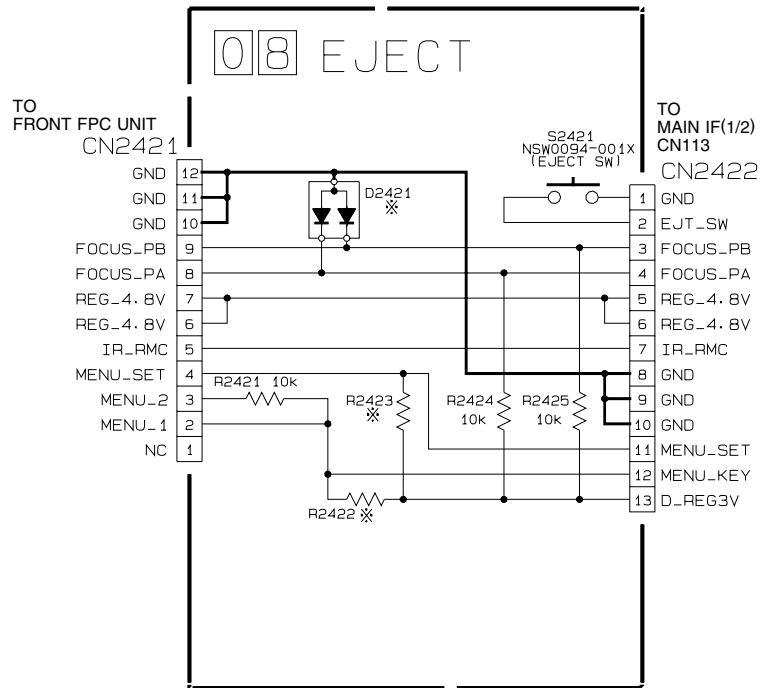
TO POWER OPE. UNIT	
CN303	GGF0505F1-11X
11	GND
10	GND
9	TRG_SW
8	DIAL_MANU
7	DIAL_AUTO
6	DIAL_OFF
5	DIAL_PB
4	KEY_B
3	KEY_A
2	GND
1	POWER LED
CN301	
GGF0301F1-45X	
REAR Side	
1	GND
2	GND
3	GND
4	GND
5	V_OUT
6	D_REG3V
7	DIAL_MANU
8	DIAL_AUTO
9	DIAL_OFF
10	DIAL_PB
11	TRG_SW
12	KEY_A
13	KEY_B
14	DSC_3V
15	MMC_CD
16	AU_SIG/R
17	LITHIUM
18	HP_SIG/R
19	P_DET
20	SPK+
21	AU_SIG/L
22	SPK-
23	HP_SIG/L
24	GND
25	HP_DET
26	M32RXD
27	M32TXD
28	XSDEN
29	SDI
30	SRCLK
31	DREQ
32	GND
33	GND
34	GND
35	NC
36	SD_WP
37	MMC_CD
38	NC
39	NC
40	M32_MMC_CS
41	MMC_CMD
42	MMC_DATA
43	MMC_CLK
44	DSC_3V
45	DSC_3V
TO MAIN IF(1/2) CN111	
TO DSC IF CN8402	
FRONT Side	

4.23 EJECT AND DECK OPE. SCHEMATIC DIAGRAMS

- 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.

5

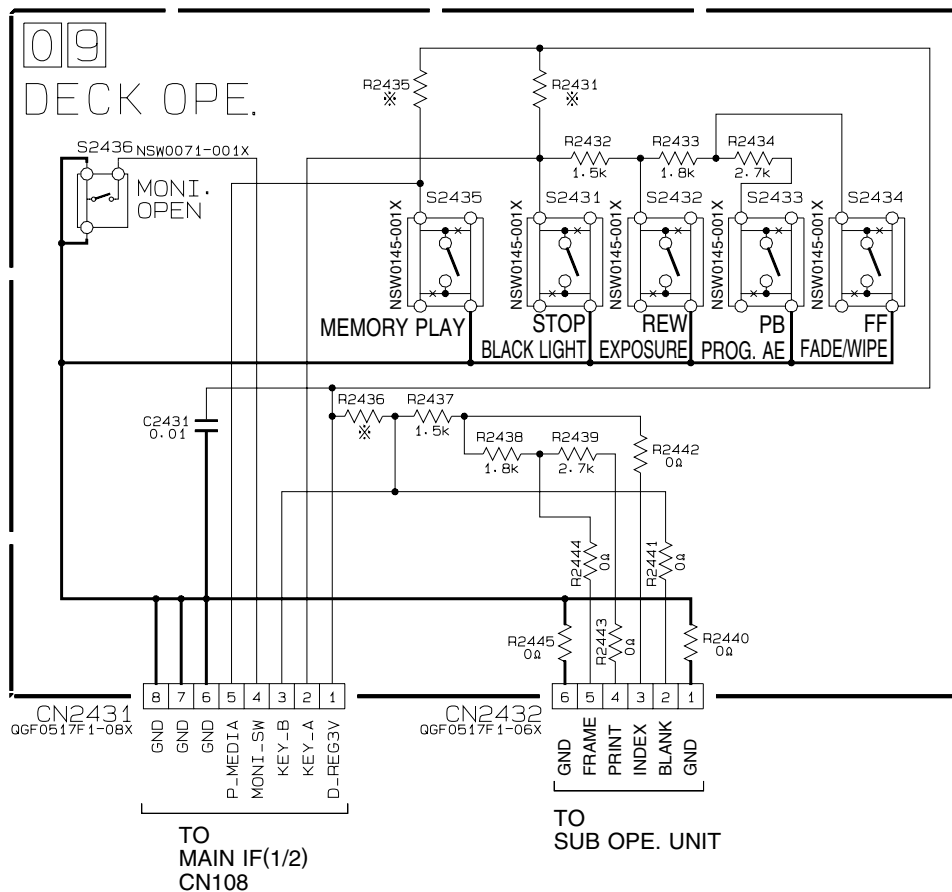
4



※ NO WEAR

3

2

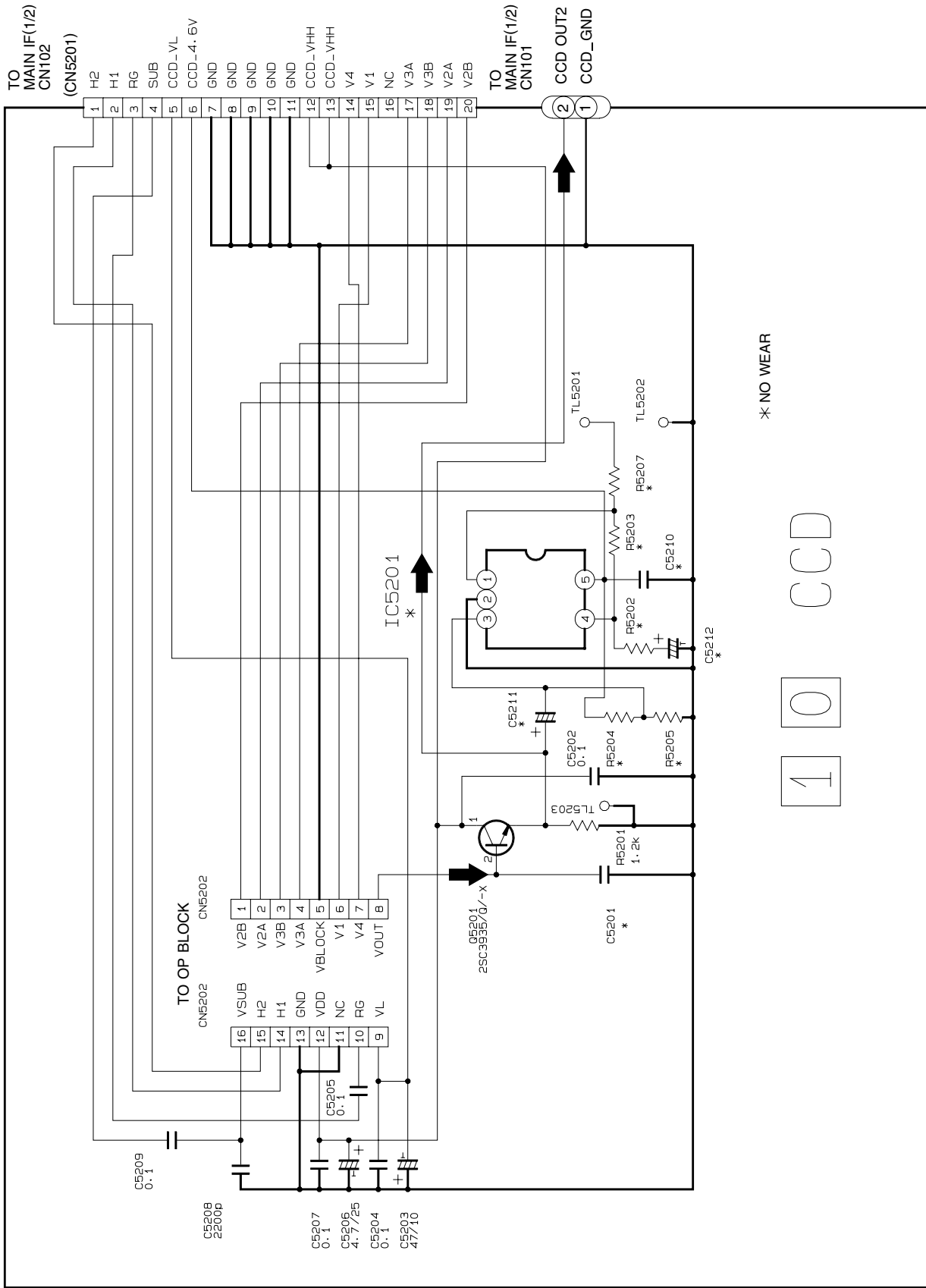


1

y20108001a_rev0

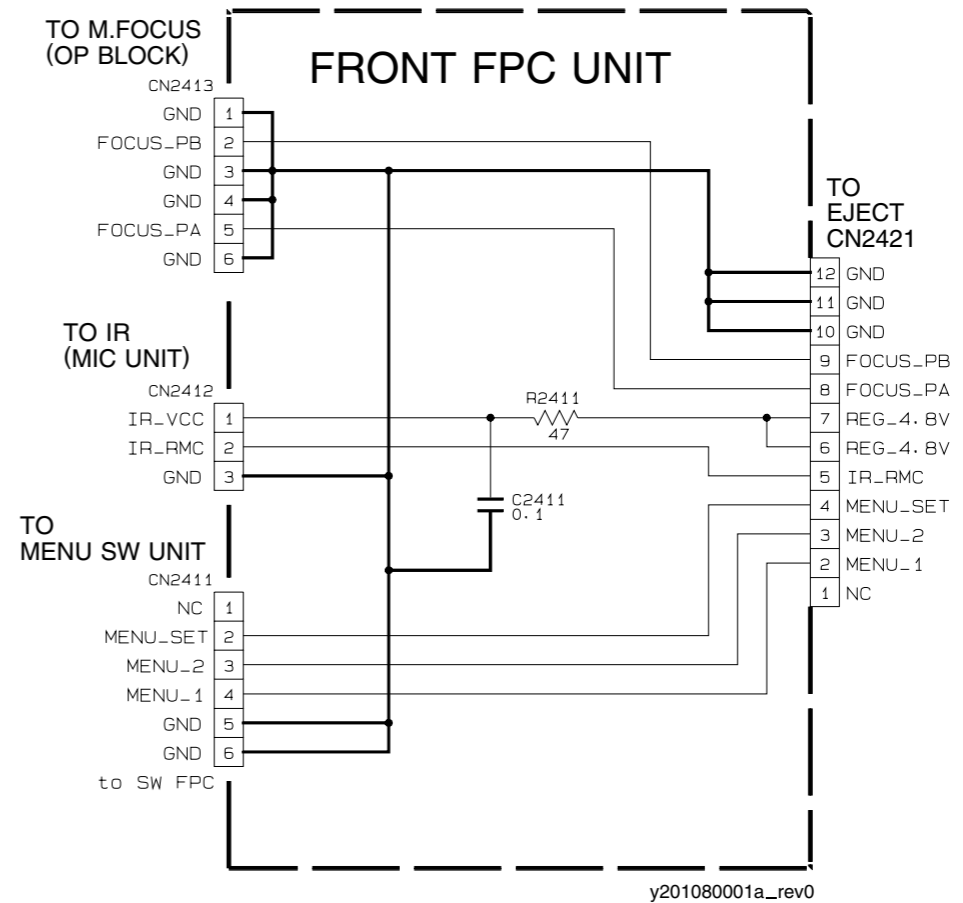
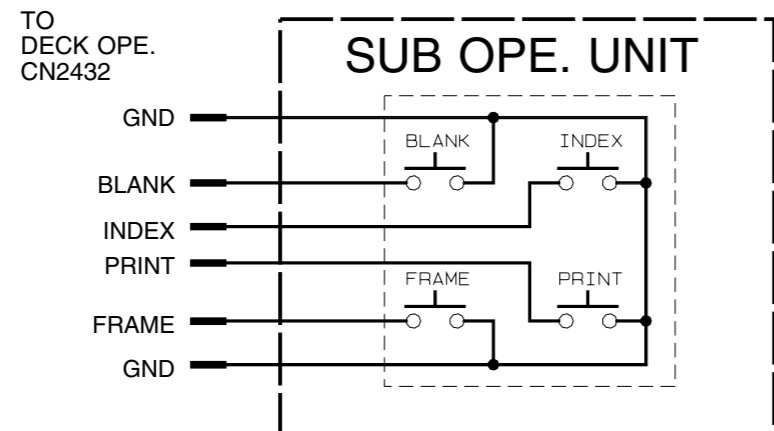
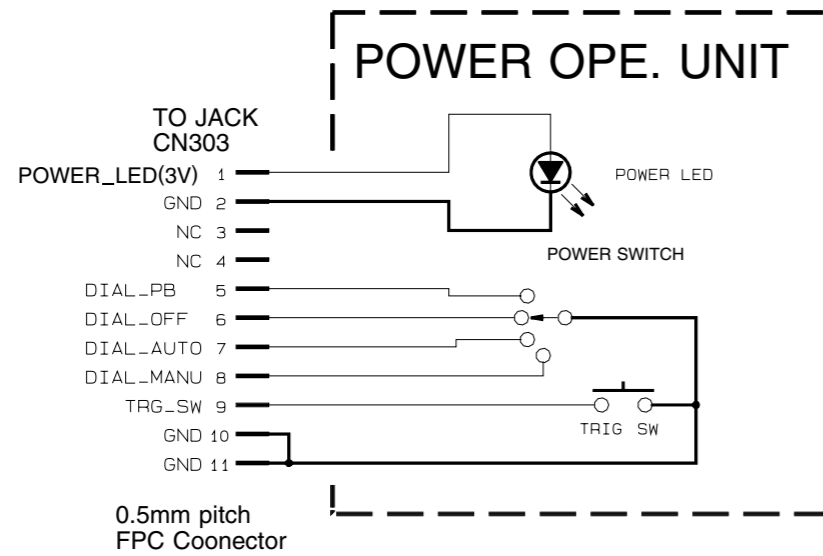
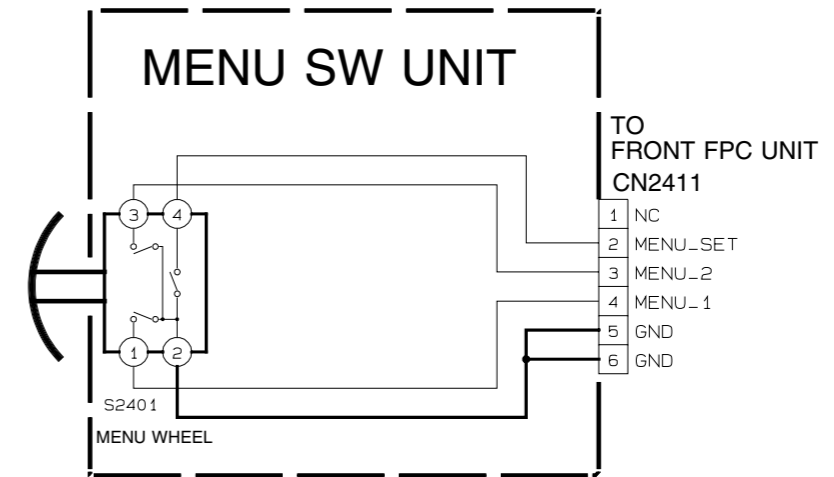
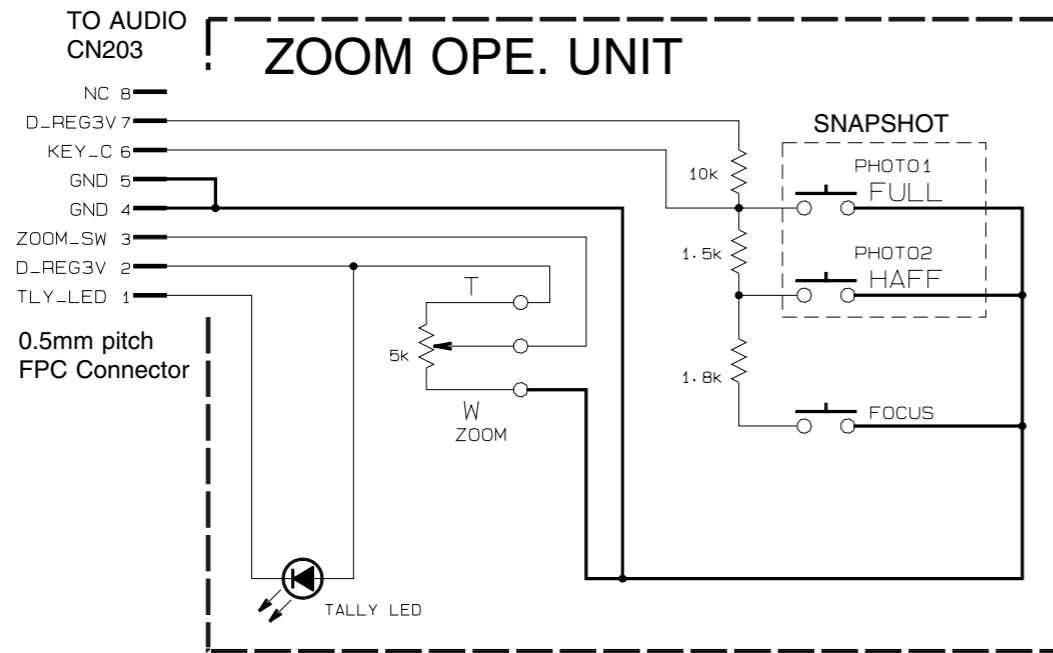
4.24 CCD SCHEMATIC DIAGRAM

- 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.

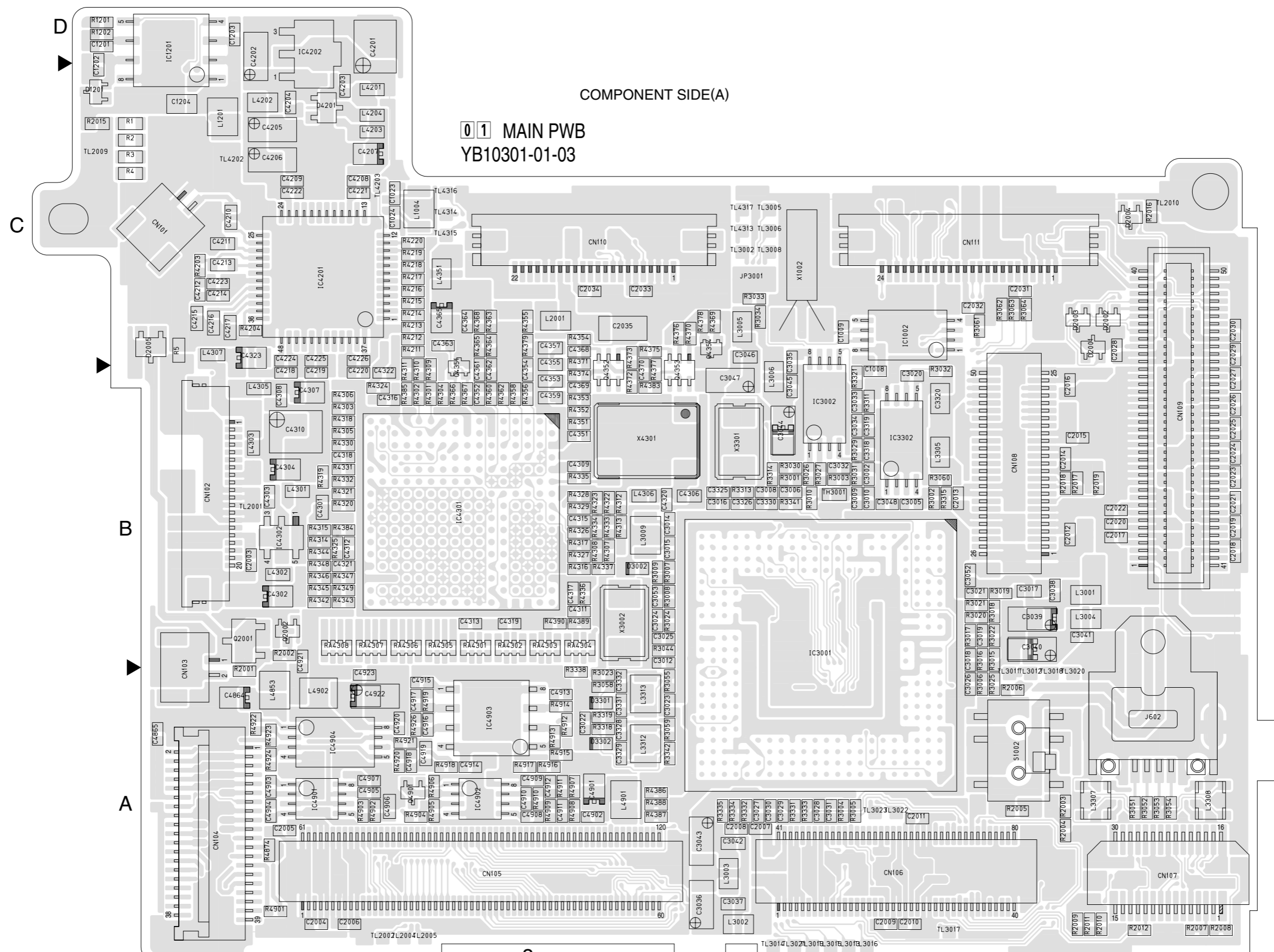


4.25 ZOOM OPE. UNIT, POWER OPE. UNIT, SUB OPE. UNIT, MENU SW UNIT AND FRONT FPC UNIT SCHEMATIC DIAGRAMS

- 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.



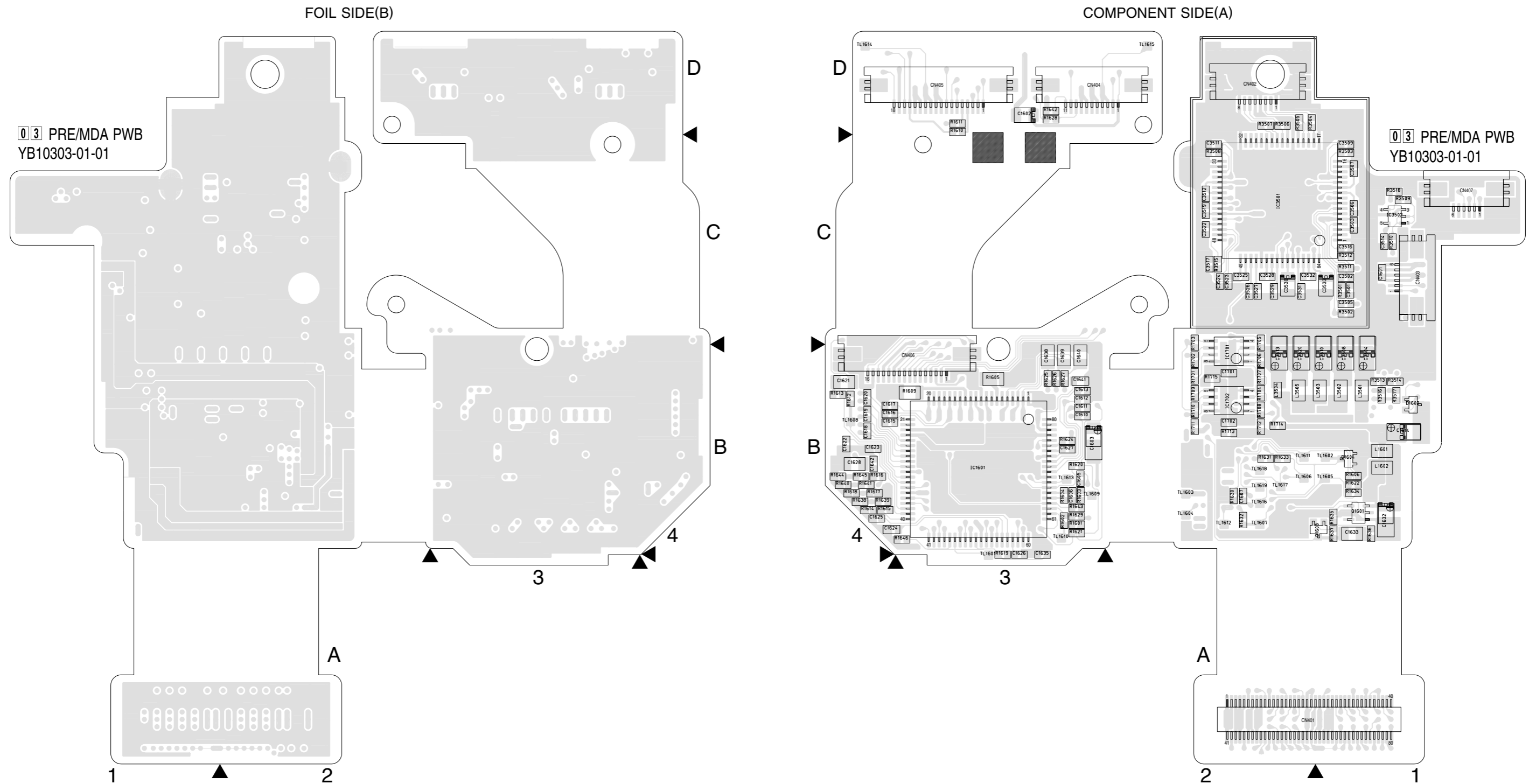
y201080001a_rev0



COMPONENT SIDE(A)

01 MAIN PWB
YB10301-01-03

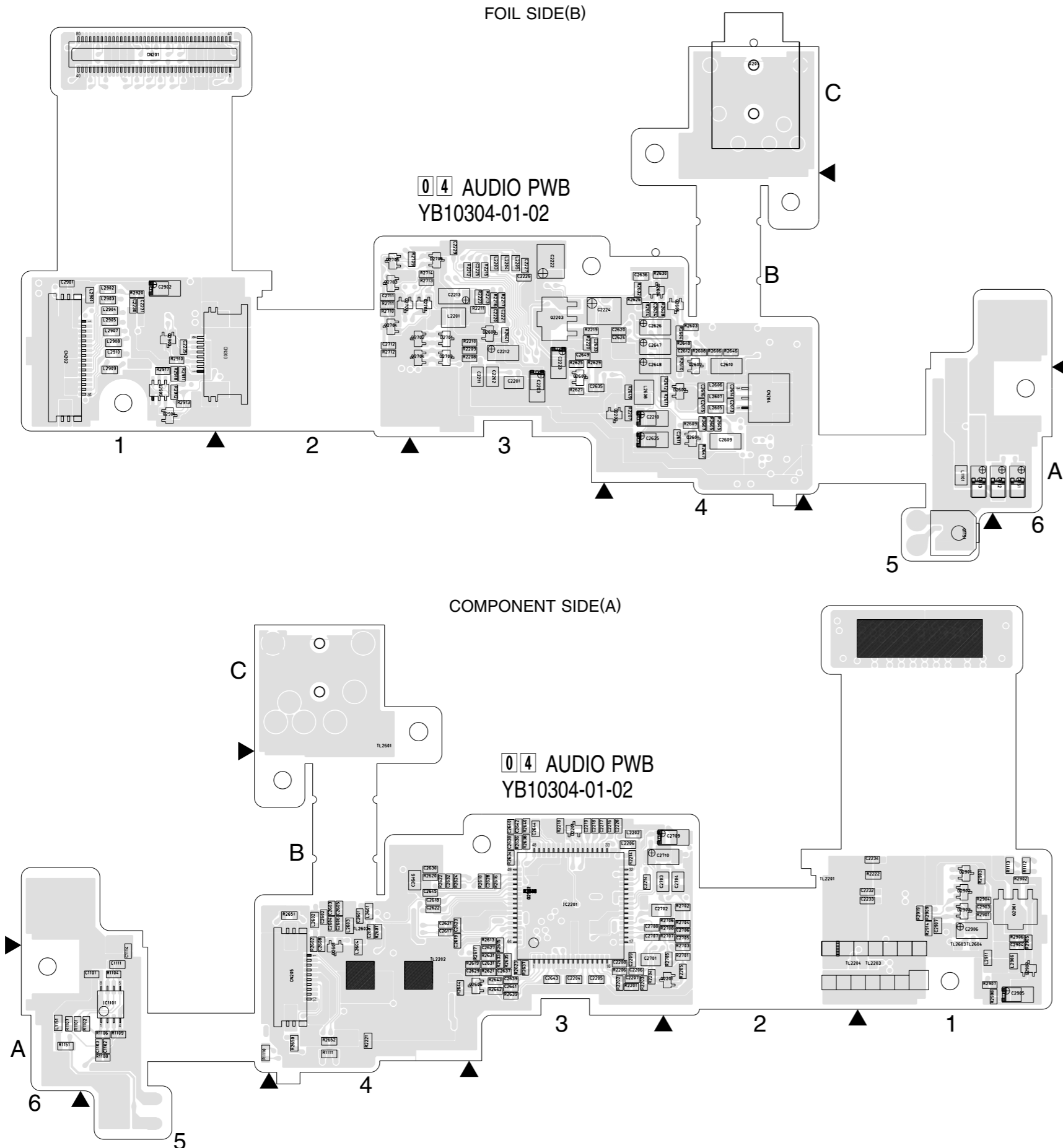
4.28 PRE/MDA CIRCUIT BOARD



COMPONENT PARTS LOCATION GUIDE <PRE/MDA>

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION													
CAPACITOR																																		
C1601	A C 1C	C1616	A C 4B	C1633	A C 1B	C3506	A C 1C	C3523	A C 2C	CN402	A C 2D	IC1702	A C 2B	RESISTOR																				
C1602	A C 3D	C1617	A C 4B	C1635	A C 3A	C3507	A C 1C	C3524	A C 2C	CN403	A C 1C	IC3501	A C 2C	R1601	A C 3B	R1615	A C 4B	R1630	A C 2B	R1644	A C 4B	R1712	A C 2B	R3511	A C 1C	TL1603	A C 2B	TL1617	A C 2B					
C1603	A C 3B	C1618	A C 4B	C1638	A C 3B	C3508	A C 1B	C3525	A C 2C	CN404	A C 2D	IC3502	A C 1C	R1602	A C 3B	R1616	A C 4B	R1631	A C 2B	R1645	A C 4B	R1713	A C 2B	R3512	A C 2B	TL1604	A C 2B	TL1618	A C 2B					
C1605	A C 3B	C1619	A C 4B	C1639	A C 3B	C3509	A C 1C	C3526	A C 2C	CN405	A C 3D	COIL																						
C1606	A C 2B	C1620	A C 4B	C1640	A C 3B	C3510	A C 1B	C3527	A C 2C	CN406	A C 3B	L1601	A C 1B	R1603	A C 3B	R1617	A C 4B	R1632	A C 2B	R1646	A C 3B	R1714	A C 2B	R3513	A C 1B	TL1605	A C 1B	TL1619	A C 2B					
C1607	A C 3B	C1621	A C 4B	C1641	A C 3B	C3511	A C 2C	C3528	A C 2C	CN407	A C 1C	L1602	A C 1B	R1604	A C 3B	R1618	A C 4B	R1633	A C 2B	R1701	A C 2B	R1715	A C 2B	R3514	A C 2B	TL1606	A C 2B							
C1610	A C 3B	C1622	A C 4B	C1642	A C 4B	C3512	A C 2C	C3529	A C 2C	DIODE																								
C1611	A C 3B	C1623	A C 4B	C1701	A C 2B	C3513	A C 2B	C3530	A C 2C	D1602	A C 1B	L1603	A C 1B	R1605	A C 3B	R1619	A C 4B	R1634	A C 1B	R1702	A C 2B	R3501	A C 1C	R3515	A C 2C	TL1607	A C 2B							
C1612	A C 3B	C1624	A C 4B	C1702	A C 2B	C3514	A C 1C	C3531	A C 2C	D1603	A C 1B	L3502	A C 1B	R1606	A C 1B	R1620	A C 3B	R1635	A C 1B	R1703	A C 2C	R3502	A C 1C	R3516	A C 1B	TL1608	A C 4B							
C1613	A C 3B	C1625	A C 4B	C3501	A C 1C	C3515	A C 2C	C3532	A C 2C	D1604	A C 1B	L3503	A C 1B	R1609	A C 3B	R1621	A C 1B	R1636	A C 2B	R1704	A C 2B	R3503	A C 1C	R3517	A C 1B	TL1609	A C 3B							
C1614	A C 1B	C1626	A C 3A	C3502	A C 1C	C3517	A C 2C	C3533	A C 1C	CONNECTOR																								
C1615	A C 4B	C1627	A C 3B	C3503	A C 1C	C3519	A C 2C	CONNECTOR		IC		TRANSISTOR																						
												CN401	A C 2A	IC1601	A C 3B	Q1601	A C 1B																	
														IC1701	A C 2B																			

4.29 AUDIO CIRCUIT BOARD



COMPONENT PARTS LOCATION GUIDE <AUDIO>

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION		
CAPACITOR									
C1101	A C	C2647	B C	Q2704	B C	R2648	B C		
C1102	A C	C2648	B C	Q2901	A C	R2649	B C		
C1103	A C	C2701	A C	Q2902	A C	R2650	A C		
C1111	A C	C2702	A C	Q2903	B C	R2651	A C		
C1112	B C	C2703	A C	Q2904	B C	R2652	A C		
C1113	B C	C2704	A C	Q2905	B C	R2701	A C		
C1114	A C	C2705	A C	RESISTOR				R2702	A C
C1151	B C	C2706	A C	R1101	A C	R2703	A C		
C2201	B C	C2707	A C	R1102	A C	R2704	A C		
C2202	B C	C2708	A C	R1104	A C	R2705	A C		
C2203	B C	C2709	A C	R1106	A C	R2706	A C		
C2204	A C	C2710	A C	R1107	A C	R2707	A C		
C2205	A C	C2711	B C	R1108	A C	R2708	A C		
C2206	A C	C2712	B C	R1109	A C	R2709	B C		
C2207	A C	C2901	B C	R1110	A C	R2710	B C		
C2208	A C	C2902	B C	R1111	A C	R2711	B C		
C2209	A C	C2903	A C	R1112	A C	R2712	B C		
C2210	B C	C2904	A C	R1113	A C	R2713	B C		
C2211	B C	C2905	A C	R1151	A C	R2714	B C		
C2212	B C	C2906	A C	R2201	A C	R2901	A C		
C2213	B C	C2907	A C	R2202	A C	R2902	A C		
C2214	A C	CONNECTOR				R2203	A C		
C2216	A C	CN201	B C	R2204	A C	R2903	A C		
C2217	A C	CN202	B C	R2205	A C	R2904	A C		
C2218	A C	CN203	B C	R2206	A C	R2905	A C		
C2219	A C	CN204	B C	R2207	B C	R2906	A C		
C2220	B C	CN205	A C	R2208	B C	R2907	A C		
C2221	B C	DIODE				R2209	B C		
C2222	B C	D2201	A C	R2210	B C	R2910	A C		
C2223	B C	D2601	A C	R2211	B C	R2911	B C		
C2224	B C	D2602	B C	R2212	B C	R2912	B C		
C2225	B C	D2603	B C	R2213	B C	R2913	B C		
C2226	B C	D2701	B C	R2214	A C	R2914	A C		
C2227	B C	D2702	B C	R2215	B C	R2917	B C		
C2228	A C	D2703	B C	R2216	B C	R2918	B C		
C2229	B C	D2704	B C	R2217	B C	R2919	A C		
C2230	B C	D2705	B C	R2218	A C	R2920	B C		
C2231	B C	D2706	B C	R2219	B C	OTHER			
C2232	A C	D2901	A C	R2220	B C	J201	B D		
C2233	A C	D2902	A C	R2221	A C	TL2201	A C		
C2234	A C	D2903	A C	R2222	A C	TL2202	A C		
C2235	B C	IC				R2223	B C		
C2601	A C	IC1101	A C	R2224	B C	TL2203	A C		
C2602	A C	IC2201	A C	R2225	B C	TL2204	A C		
C2603	A C	COIL				R2601	A C		
C2604	A C	L1101	B C	R2602	A C	TL2601	A C		
C2605	A C	L1151	A C	R2603	B C	TL2602	A C		
C2606	A C	L2201	B C	R2604	B C	TL2603	A C		
C2607	A C	L2202	A C	R2605	B C	TL2604	A C		
C2608	A C	L2203	B C	R2606	B C				
C2609	B C	L2204	B C	R2607	B C				
C2610	B C	L2205	B C	R2608	B C				
C2611	B C	L2206	A C	R2609	B C				
C2612	B C	L2601	A C	R2610	B C				
C2613	B C	L2602	A C	R2611	B C				
C2614	B C	L2603	A C	R2612	B C				
C2615	B C	L2604	A C	R2613	A C				
C2616	B C	L2605	B C	R2614	B C				
C2617	A C	L2606	B C	R2615	A C				
C2618	A C	L2607	B C	R2616	A C				
C2619	A C	L2608	B C	R2617	A C				
C2620	B C	L2901	B C	R2618	A C				
C2621	A C	L2902	B C	R2619	A C				
C2622	A C	L2903	B C	R2620	A C				
C2623	A C	L2904	B C	R2621	A C				
C2624	B C	L2905	B C	R2622	A C				
C2625	B C	L2906	A C	R2623	A C				
C2626	B C	L2907	B C	R2624	A C				
C2627	A C	L2908	B C	R2625	B C				
C2628	A C	L2909	B C	R2626	B C				
C2629	A C	L2910	B C	R2627	B C				
C2630	A C	L2911	A C	R2628	B C				
C2631	A C	TRANSISTOR				R2629	B C		
C2632	A C	Q1151	A D	R2630	B C				
C2633	B C	Q2201	A C	R2631	A C				
C2634	B C	Q2202	B C	R2632	A C				
C2635	B C	Q2203	B C	R2633	A C				
C2636	B C	Q2601	B C	R2634	A C				
C2637	A C	Q2602	B C	R2635	A C				
C2638	A C	Q2603	B C	R2636	A C				
C2639	A C	Q2604	B C	R2637	A C				
C2640	A C	Q2605	B C	R2638	A C				
C2641	A C	Q2606	A C	R2639	A C				
C2642	A C	Q2701	B C	R2640	A C				
C2643	A C	Q2702	B C	R2641	B C				
C2644	A C	Q2703	B C	R2642	A C				
C2645	A C			R2643	A C				
C2646	A C			R2644	A C				

4.31 MONITOR CIRCUIT BOARD

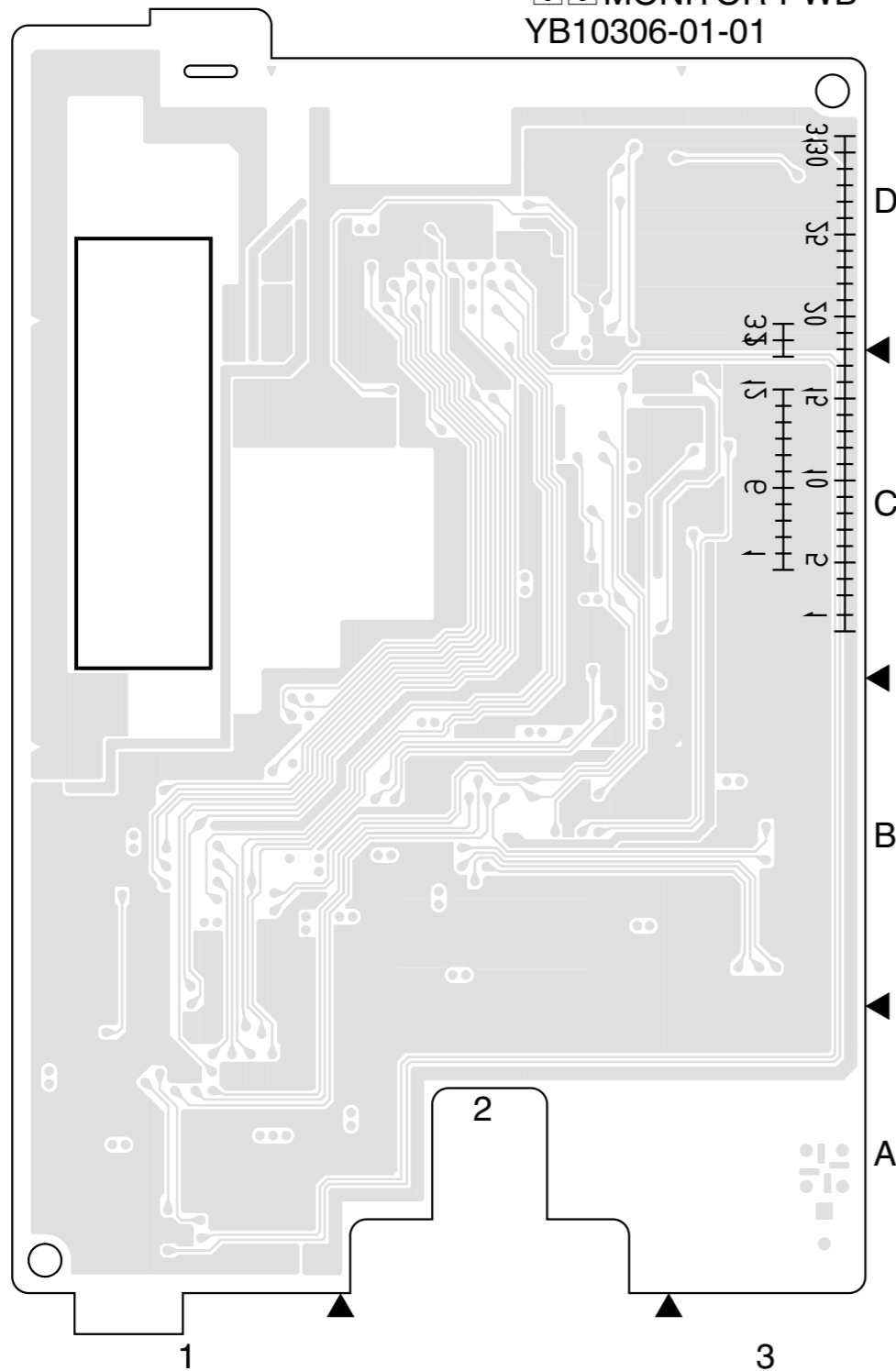


• CAUTION:
FOR CONTINUED PROTECTION AGAINST
FIRE HAZARD, REPLACE ONLY WITH SAME
TYPE AND RATED FUSE(S).

• ATTENTION:
POUR UNE PROTECTION PERMANENTE
CONTRE LES RISQUE D'INCENDIE,
REPLACER LES FUSIBLES PAR UN AUTRE
DE MEME TYPE ET DE MEME TENSION.

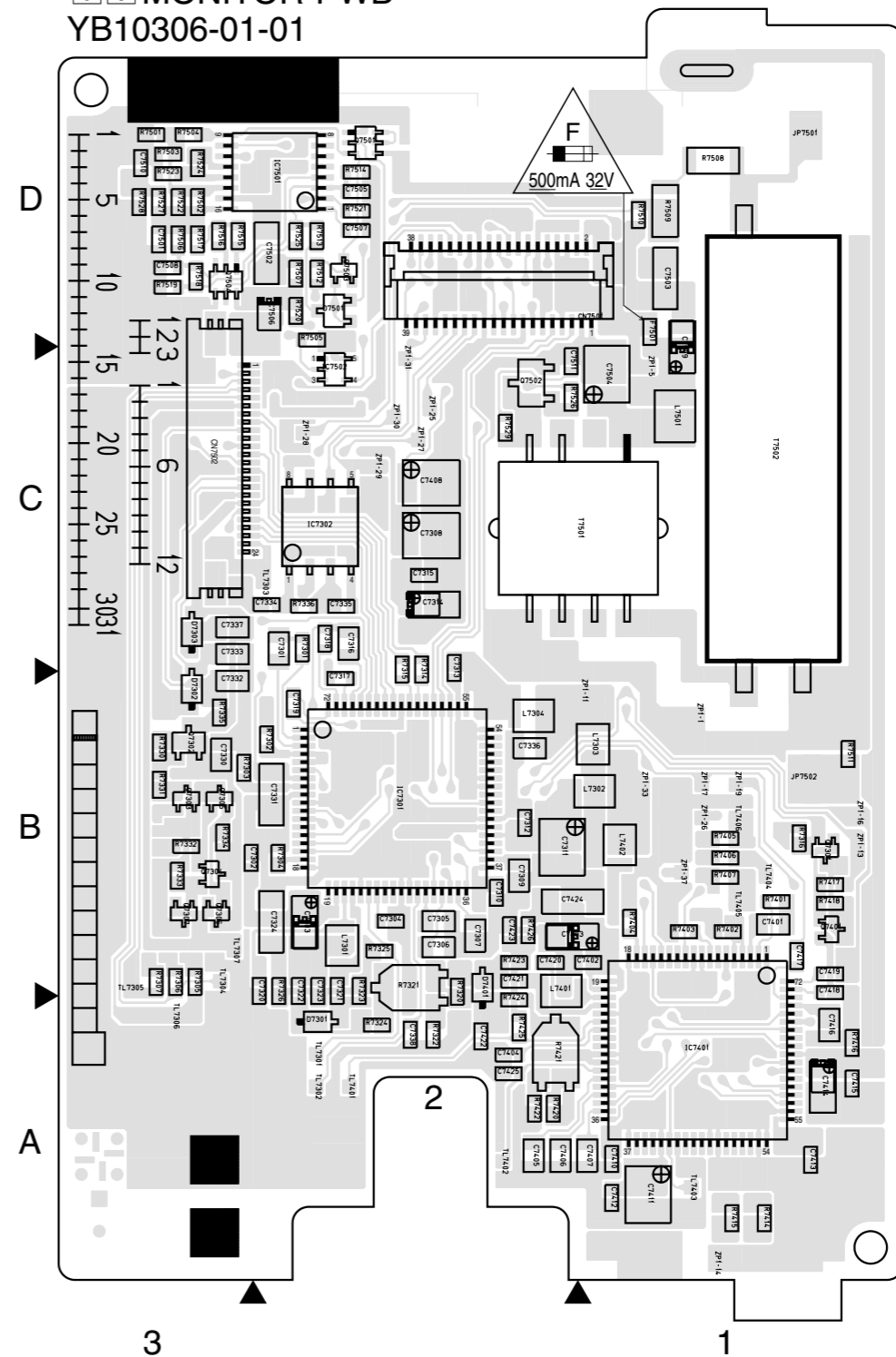
FOIL SIDE(B)

06 MONITOR PWB
YB10306-01-01



COMPONENT SIDE(A)

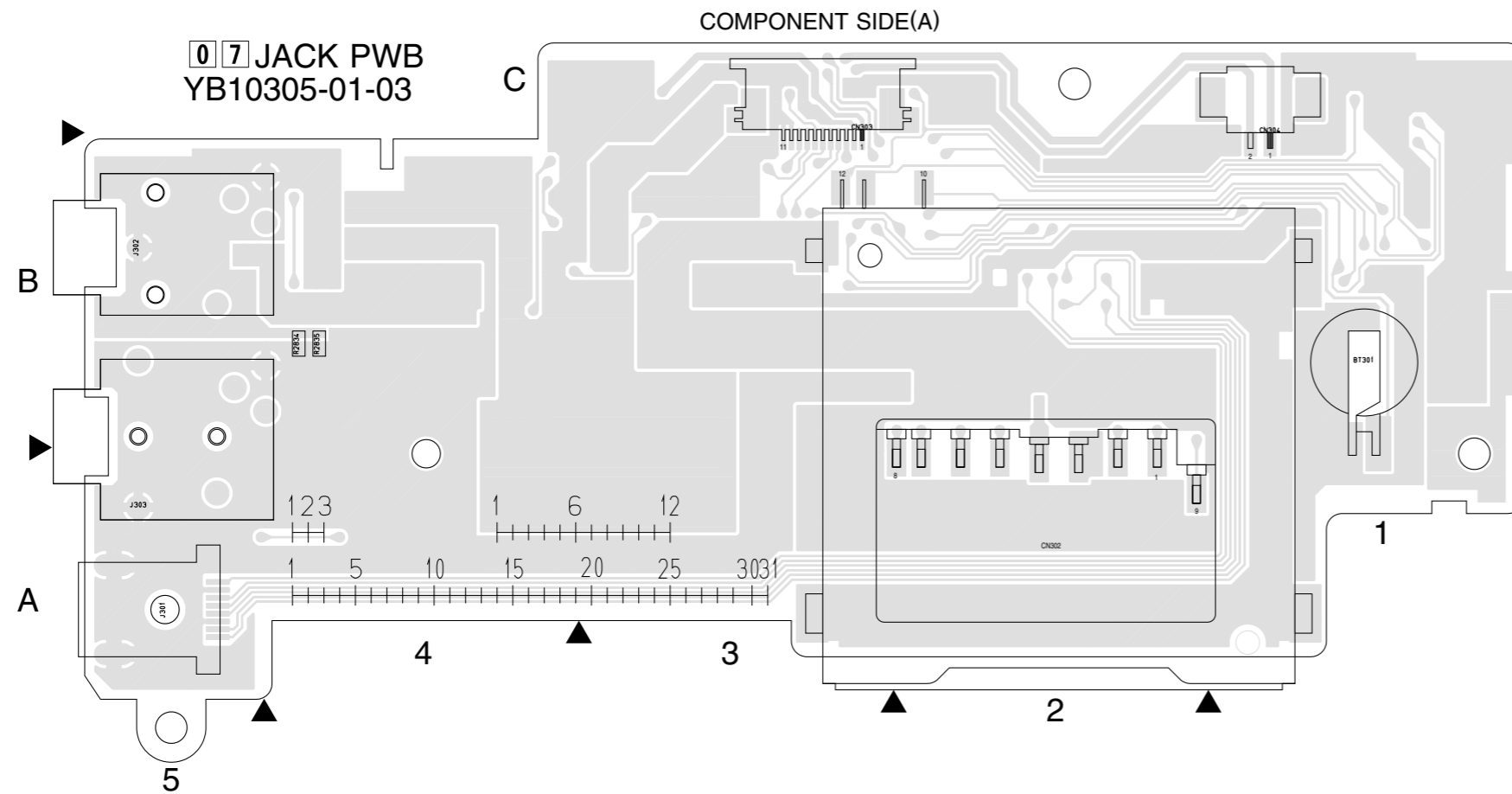
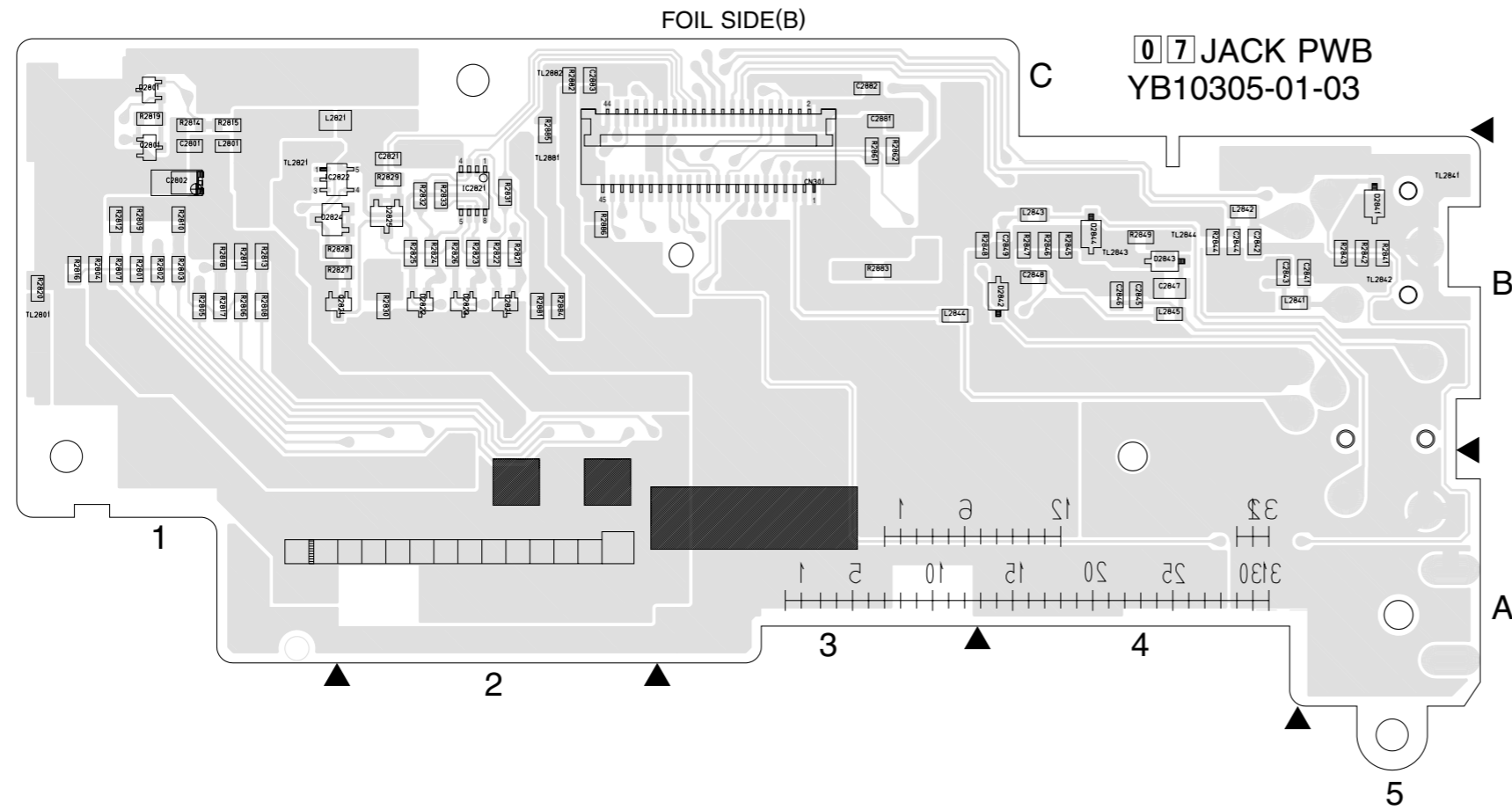
06 MONITOR PWB
YB10306-01-01



COMPONENT PARTS LOCATION GUIDE < MONITOR >

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION								
CAPACITOR																															
C7301	A C 2C	C7314	A C 2C	C7334	A C 3C	C7412	A C 1A	C7502	A C 3D	DIODE				IC7502	A C 2C	Q7305	A C 3B	R7306	A C 3B	R7333	A C 3B	R7418	A C 1B	R7508	A C 1D	R7523	A C 3D	TL7301	A C 2A	ZP1-11	A C 2B
C7302	A C 3B	C7315	A C 2C	C7335	A C 2B	C7413	A C 1A	C7503	A C 1D	COIL				Q7306	A C 3B	R7307	A C 3B	R7307	A C 3B	R7334	A C 2C	R7420	A C 2A	R7509	A C 1D	R7524	A C 3D	TL7302	A C 2A	ZP1-13	A C 1A
C7303	A C 2B	C7316	A C 2C	C7336	A C 2B	C7414	A C 1A	C7504	A C 1C	L7301	A C 2B	Q7307	A C 3B	R7314	A C 2C	R7335	A C 3B	R7335	A C 3B	R7421	A C 2A	R7510	A C 1D	R7525	A C 3D	TL7303	A C 2D	ZP1-14	A C 1B		
C7304	A C 2B	C7317	A C 2B	C7337	A C 3C	C7415	A C 1A	C7505	A C 2D	L7302	A C 1B	Q7401	A C 1B	R7315	A C 2C	R7336	A C 2C	R7422	A C 2A	R7511	A C 1B	R7526	A C 2C	R7527	A C 2C	TL7304	A C 3B	ZP1-16	A C 1B		
C7305	A C 2B	C7318	A C 2B	C7338	A C 2A	C7416	A C 1A	C7506	A C 2D	L7303	A C 1B	Q7501	A C 2D	R7316	A C 1B	R7423	A C 2B	R7423	A C 2B	R7512	A C 3D	R7528	A C 3D	R7528	A C 3D	TL7305	A C 3B	ZP1-17	A C 1B		
C7306	A C 2B	C7319	A C 2B	C7339	A C 1B	C7417	A C 1B	C7507	A C 2D	L7304	A C 2B	Q7502	A C 2C	R7320	A C 2B	R7424	A C 2A	R7424	A C 2A	R7513	A C 2D	R7529	A C 3D	R7529	A C 2C	TL7306	A C 3A	ZP1-19	A C 1B		
C7307	A C 2B	C7320	A C 3B	C7340	A C 2B	C7418	A C 1B	C7508	A C 3D	L7401	A C 2B	Q7503	A C 2D	R7321	A C 2B	R7425	A C 1B	R7425	A C 2A	R7514	A C 2D	R7530	A C 3D	R7530	A C 3D	TL7307	A C 3B	ZP1-25	A C 2C		
C7308	A C 2C	C7321	A C 2B	C7341	A C 2B	C7419	A C 1B	C7509	A C 1C	L7402	A C 1B	Q7504	A C 3D	R7322	A C 2A	R7426	A C 1B	R7426	A C 2B	R7515	A C 3D	R7531	A C 3D	R7531	A C 3D	TL7401	A C 2A	ZP1-26	A C 1B		
C7309	A C 2B	C7322	A C 2B	C7342	A C 2A	C7420	A C 2B	C7510	A C 3D	L7501	A C 1C	RESISTOR				R7323	A C 2B	R7406	A C 2B	R7516	A C 3D	R7532	A C 3D	R7532	A C 3D	TL7402	A C 2A	ZP1-27	A C 2C		
C7310	A C 2B	C7323	A C 2B	C7343	A C 2A	C7421	A C 2B	C7511	A C 2C	CONNECTOR				R7324	A C 2A	R7407	A C 2A	R7517	A C 3D	R7533	A C 3D	R7533	A C 3D	R7533	A C 3D	TL7403	A C 1A	ZP1-28	A C 2C		
C7311	A C 2B	C7324	A C 2B	C7344	A C 2A	C7422	A C 2B	TRANSISTOR				R7325	A C 2B	R7408	A C 2B	R7518	A C 3D	R7534	A C 3D	R7534	A C 3D	R7534	A C 3D	R7534	A C 3D	TL7404	A C 1B	ZP1-29	A C 2C		
C7312	A C 2B	C7325	A C 2B	C7345	A C 2A	C7423	A C 2B	IC7301	A C 2B	Q7301	A C 1B	R7301	A C 2C	R7414	A C 1A	R7519	A C 3D	R7535	A C 3D	R7535	A C 3D	R7535	A C 3D	R7535	A C 3D	TL7405	A C 1B	ZP1-30	A C 2C		
C7313	A C 2C	C7326	A C 2B	C7346	A C 2A	C7424	A C 2B	IC7302	A C 2C	Q7302	A C 3B	R7302	A C 3B	R7415	A C 2D	R7520	A C 2D	R7536	A C 3B	R7536	A C 3B	R7536	A C 3B	R7536	A C 3B	TL7406	A C 1B	ZP1-31	A C 2C		
		C7327	A C 2B	C7347	A C 1A	C7425	A C 2A	IC7401	A C 1A	Q7303	A C 3B	R7303	A C 3B	R7416	A C 1A	R7521	A C 3D	R7537	A C 3B	R7537	A C 3B	R7537	A C 3B	R7537	A C 3B	TL7501	A C 2C	ZP1-33	A C 1B		
		C7328	A C 2B	C7348	A C 1A	C7426	A C 2A	IC7501	A C 2D	Q7304	A C 3B	R7304	A C 2B	R7417	A C 1B	R7522	A C 2D	R7538	A C 3B	R7538	A C 3B	R7538	A C 3B	R7538	A C 3B	TL7502	A C 1C	ZP1-37	A C 1B		

4.32 JACK CIRCUIT BOARD



COMPONENT PARTS LOCATION GUIDE
< JACK >

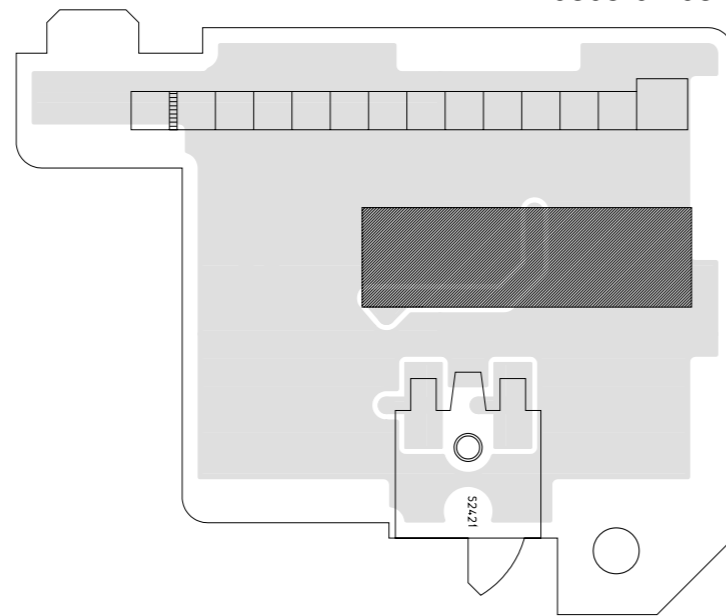
REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR			
C2801	B C 1B	R2823	B C 2B
C2802	B C 1B	R2824	B C 2B
C2821	B C 2B	R2825	B C 2B
C2841	B C 5B	R2826	B C 2B
C2842	B C 4B	R2827	B C 2B
C2843	B C 4B	R2828	B C 2B
C2844	B C 4B	R2829	B C 2B
C2845	B C 4B	R2830	B C 2B
C2846	B C 4B	R2831	B C 2B
C2847	B C 4B	R2832	B C 2B
C2848	B C 4B	R2833	B C 2B
C2849	B C 4B	R2834	A C 4B
C2881	B C 3C	R2835	A C 4B
C2882	B C 3C	R2841	B C 5B
C2883	B C 2C	R2842	B C 5B
		R2843	B C 5B
		R2844	B C 4B
		R2845	B C 4B
CONNECTOR			
CN301	B C 3B	R2846	B C 4B
CN302	A C 2A	R2847	B C 4B
CN303	A C 3C	R2848	B C 4B
CN304	A C 1C	R2849	B C 4B
DIODE			
D2801	B C 1C	R2861	B C 3B
D2821	B C 2B	R2862	B C 3B
D2822	B C 2B	R2881	B C 2B
D2823	B C 2B	R2882	B C 2C
D2824	B C 1B	R2883	B C 3B
D2825	B C 2B	R2884	B C 2B
D2841	B C 5B	R2885	B C 2C
D2842	B C 4B	R2886	B C 2B
D2843	B C 4B	OTHER	
D2844	B C 4B	BT301	A C 1B
IC			
IC2821	B C 2B	J301	A C 5A
IC2822	B C 2B	J302	A D 5B
		J303	A D 5A
		PC05	A C 5C
COIL			
L2801	B C 1B	TL2801	B C 1B
L2821	B C 1C	TL2821	B C 1B
L2841	B C 4B	TL2841	B C 5B
L2842	B C 4B	TL2842	B C 5B
L2843	B C 4B	TL2843	B C 4B
L2844	B C 3B	TL2844	B C 4B
L2845	B C 4B	TL2881	B C 2B
		TL2882	B C 2C
TRANSISTOR			
Q2801	B C 1B		
Q2821	B C 2B		
RESISTOR			
R2431	A C 1A		
R2435	A C 1A		
R2801	B C 1B		
R2802	B C 1B		
R2803	B C 1B		
R2804	B C 1B		
R2805	B C 1B		
R2806	B C 1B		
R2807	B C 1B		
R2808	B C 1B		
R2809	B C 1B		
R2810	B C 1B		
R2811	B C 1B		
R2812	B C 1B		
R2813	B C 1B		
R2814	B C 1C		
R2815	B C 1C		
R2816	B C 1B		
R2817	B C 1B		
R2818	B C 1B		
R2819	B C 1C		
R2820	B C 1B		
R2821	B C 2B		
R2822	B C 2B		

4.33 EJECT AND DECK OPE. CIRCUIT BOARDS

— EJECT —

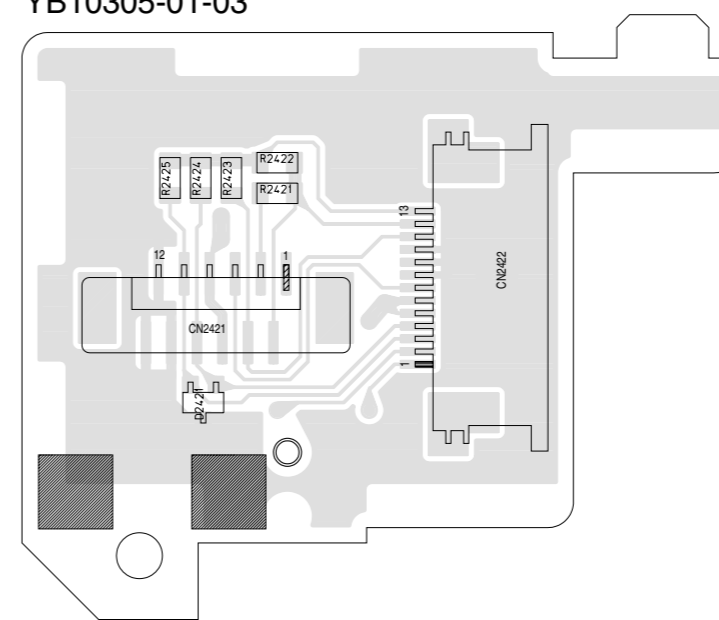
FOIL SIDE(B)

08 EJECT PWB
YB10305-01-03



COMPONENT SIDE(A)

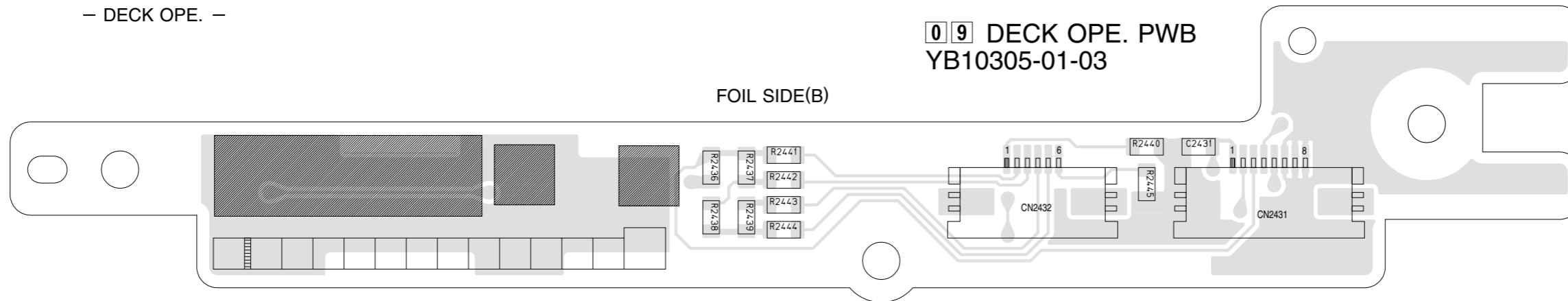
08 EJECT PWB
YB10305-01-03



— DECK OPE. —

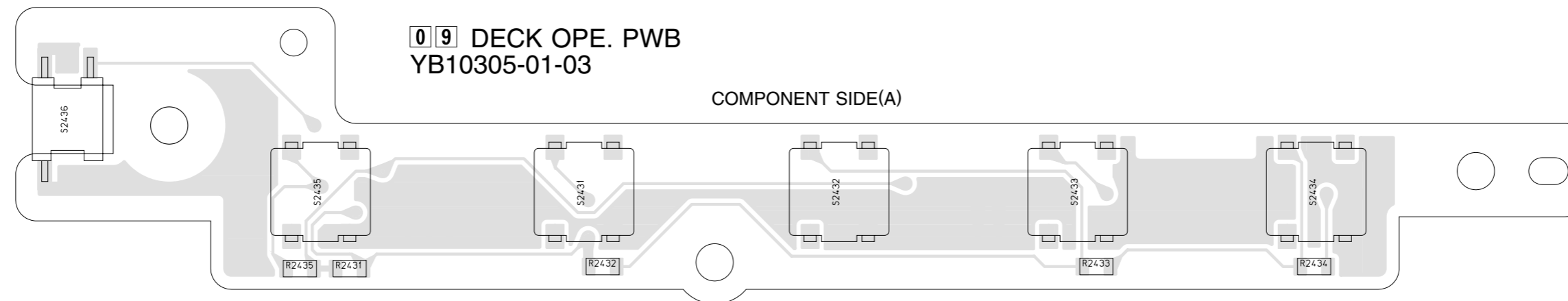
FOIL SIDE(B)

09 DECK OPE. PWB
YB10305-01-03



COMPONENT SIDE(A)

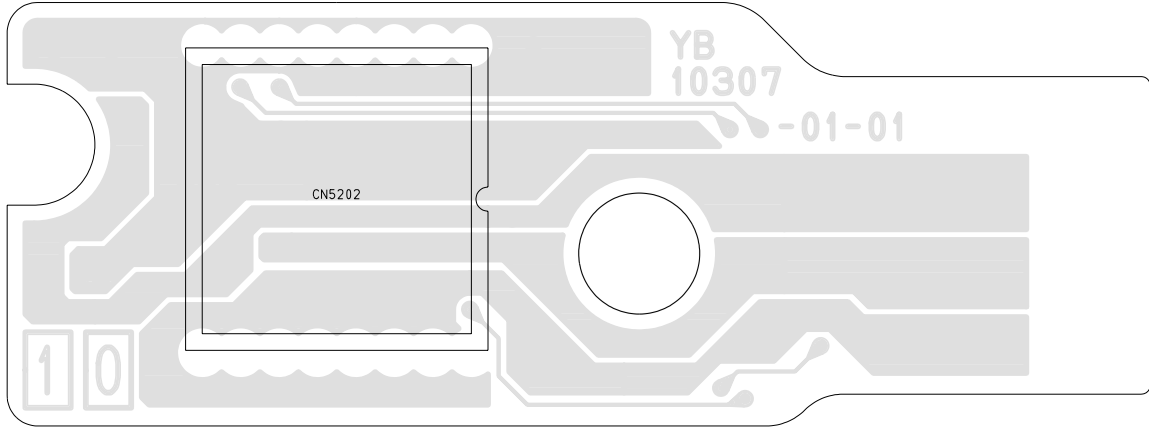
09 DECK OPE. PWB
YB10305-01-03



4.34 CCD CIRCUIT BOARD

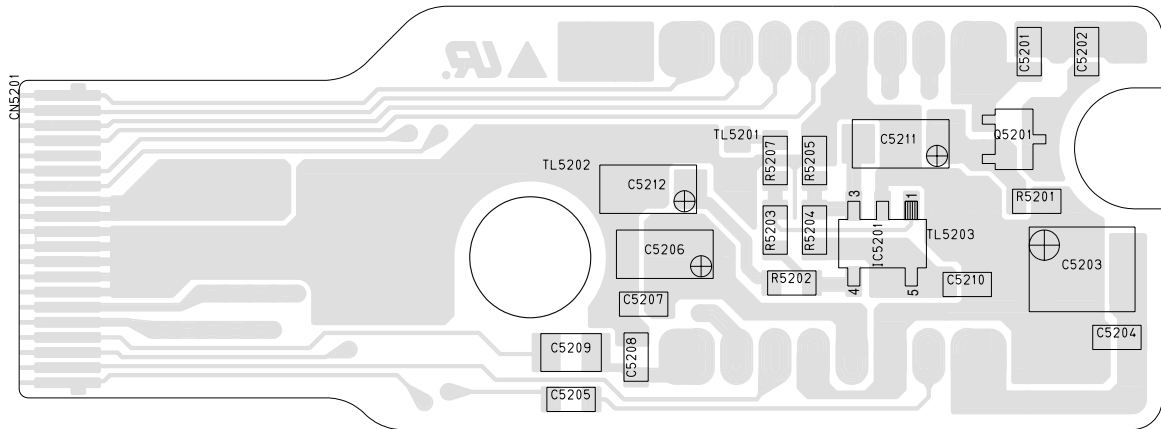
1 0 CCD PWB
YB10307-01-01

FOIL SIDE(B)

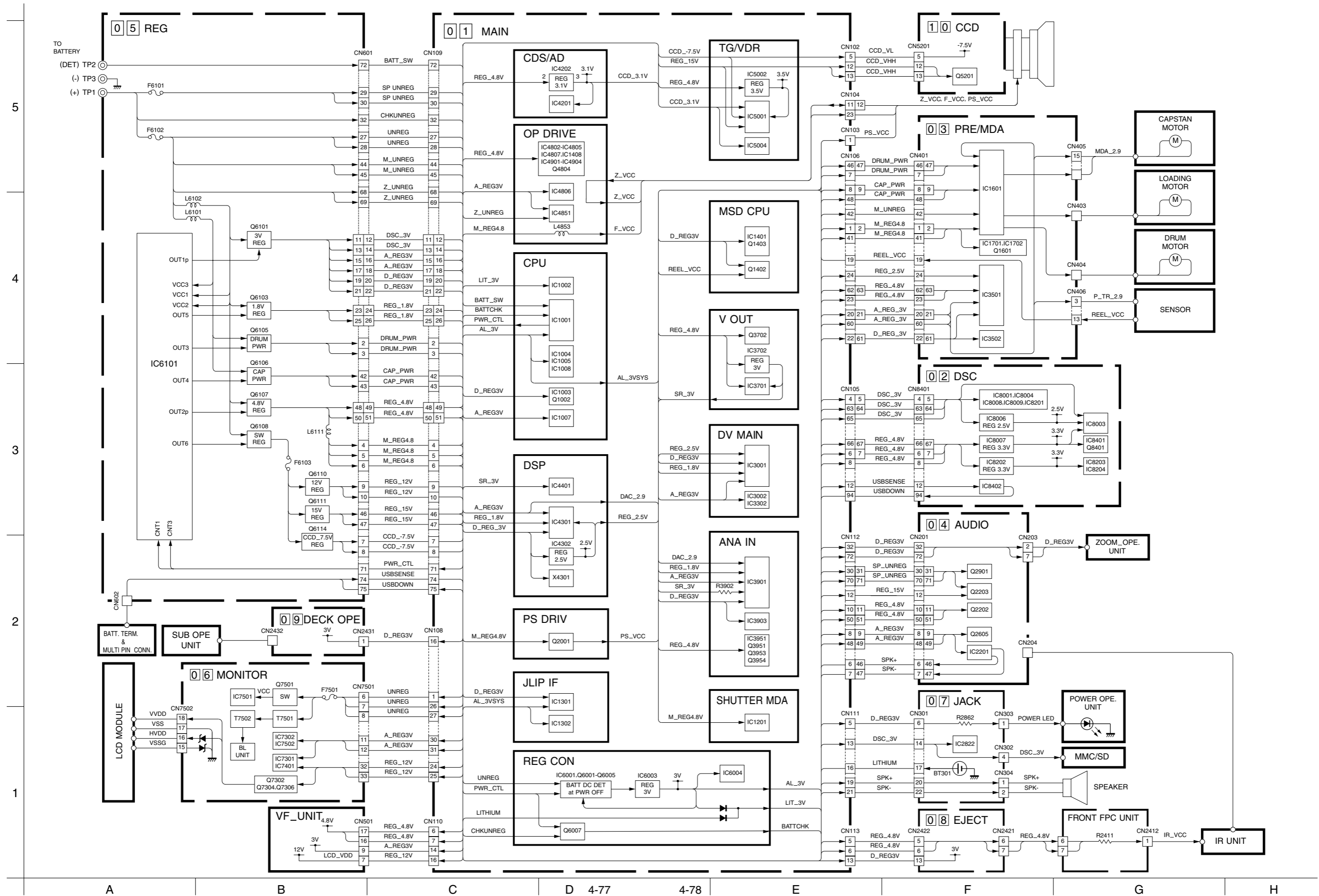


1 0 CCD PWB
YB10307-01-01

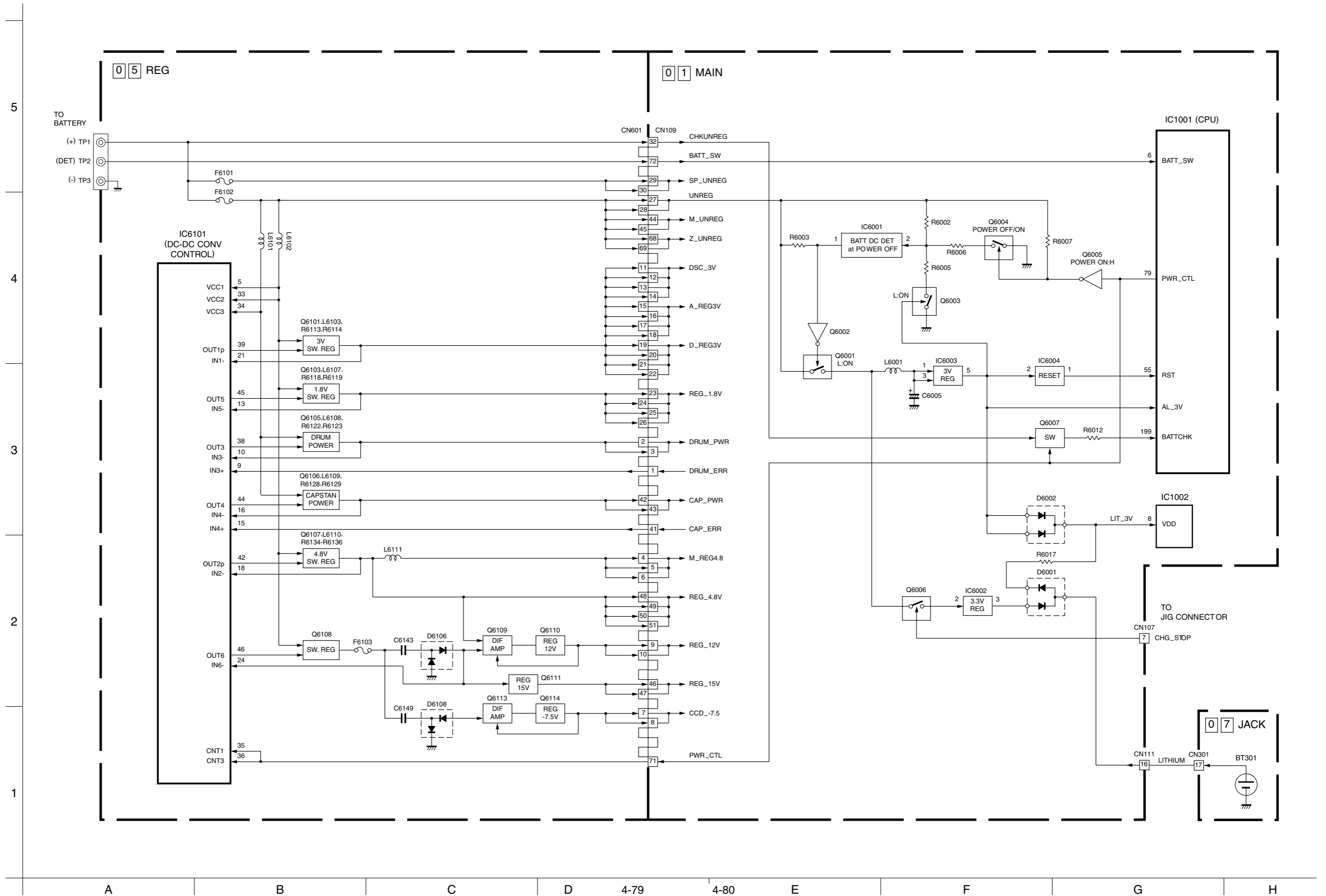
COMPONENT SIDE(A)



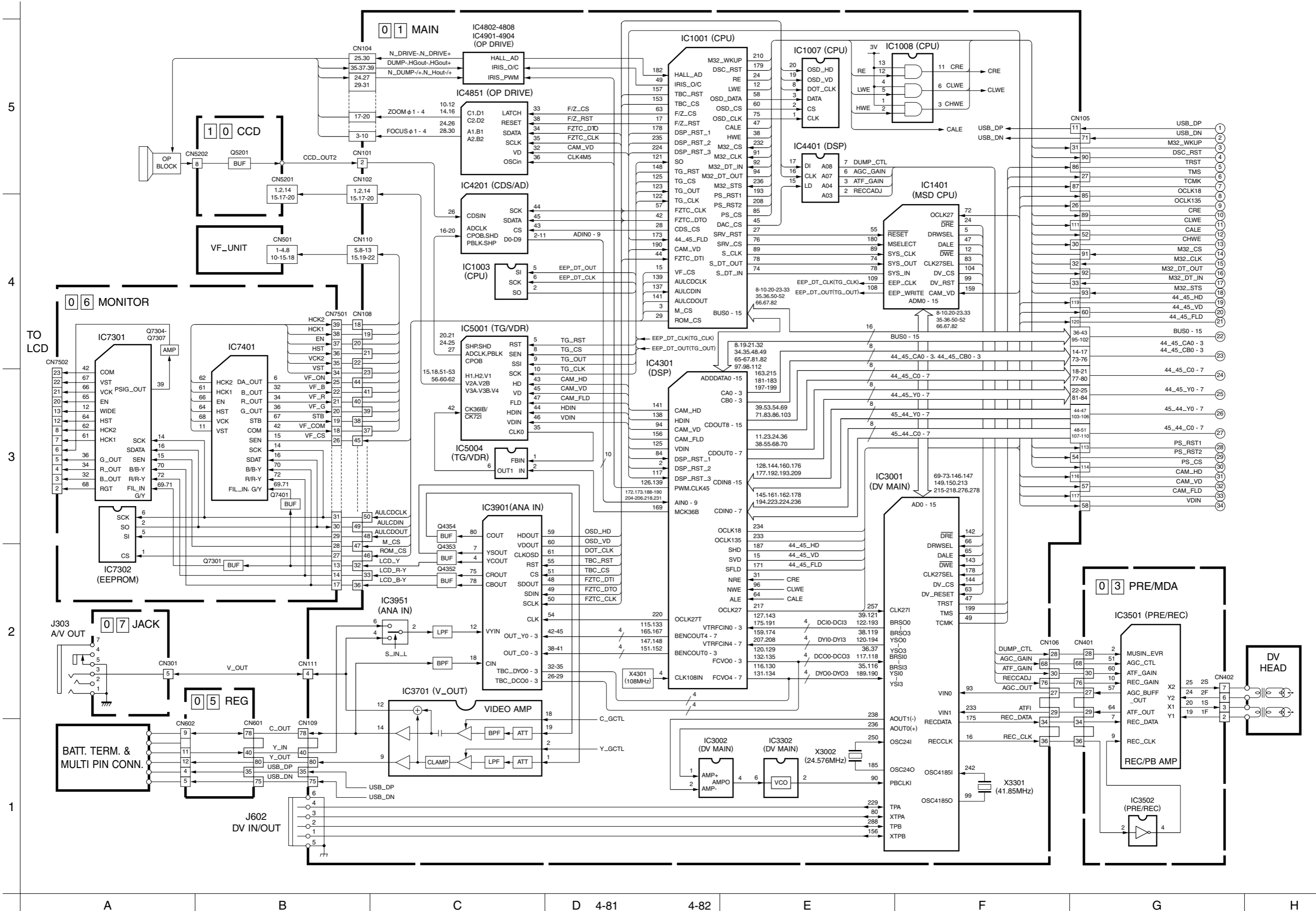
4.36 POWER SYSTEM BLOCK DIAGRAM

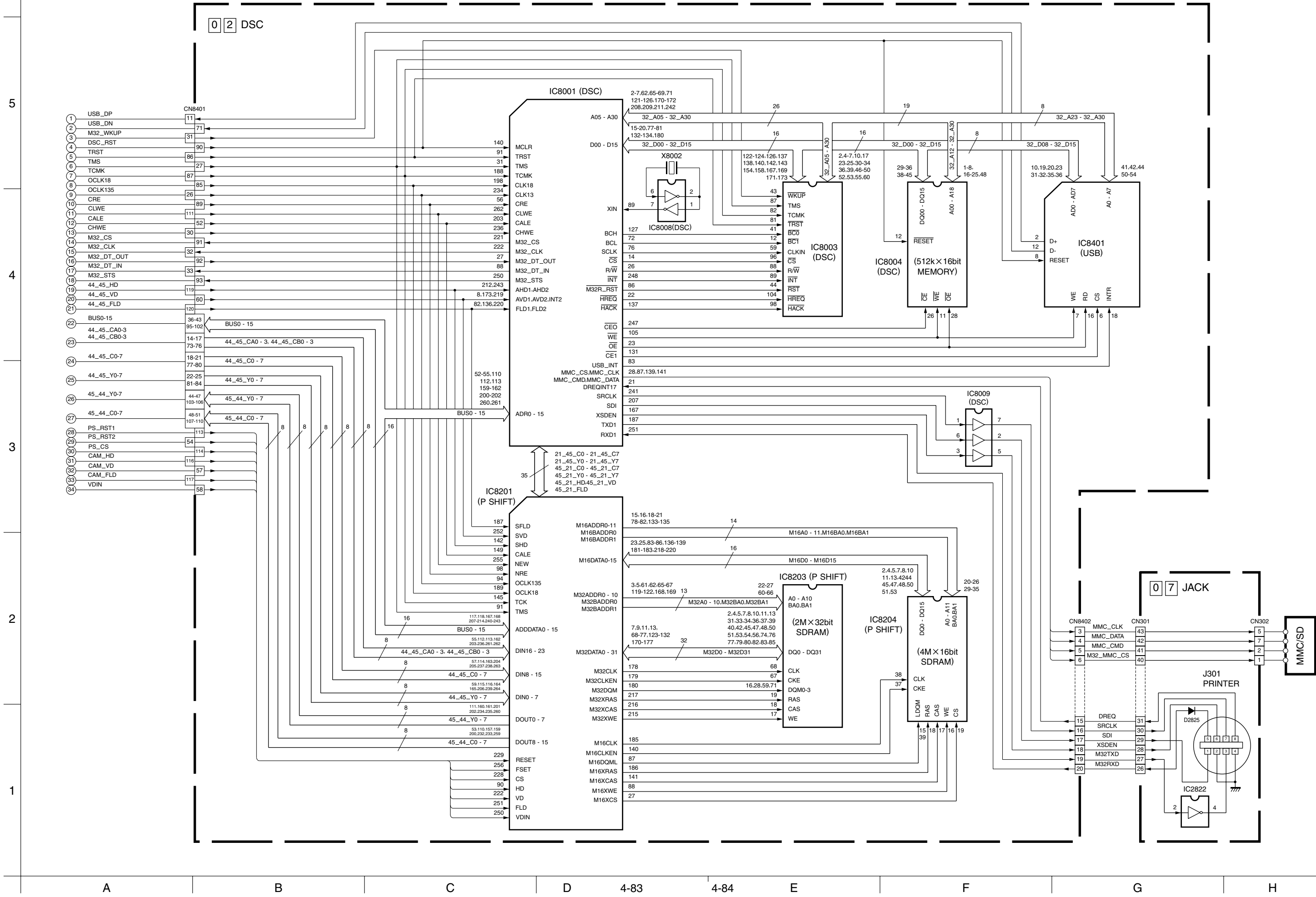


4.37 REGULATOR SYSTEM BLOCK DIAGRAM



4.38 VIDEO SYSTEM BLOCK DIAGRAM





0 2 DSC

5

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D

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E

F

G

H

- 1 USB_DP
- 2 USB_DN
- 3 M32_WKUP
- 4 DSC_RST
- 5 TRST
- 6 TMS
- 7 TCMK
- 8 OCLK18
- 9 OCLK135
- 10 CRE
- 11 CLWE
- 12 CALE
- 13 CHWE
- 14 M32_CS
- 15 M32_CLK
- 16 M32_DT_OUT
- 17 M32_DT_IN
- 18 M32_STS
- 19 44_45_HD
- 20 44_45_VD
- 21 44_45_FLD
- 22 BUS0-15
- 23 44_45_CA0-3
- 24 44_45_CB0-3
- 25 44_45_C0-7
- 26 44_45_Y0-7
- 27 45_44_Y0-7
- 28 45_44_C0-7
- 29 PS_RST1
- 30 PS_RST2
- 31 PS_CS
- 32 CAM_HD
- 33 CAM_VD
- 34 CAM_FLD
- 35 VDIN

- 11 CN8401
- 71
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- 119
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- 120
- 36-43
- 95-102
- 14-17
- 73-76
- 18-21
- 77-80
- 22-25
- 81-84
- 44-47
- 103-106
- 48-51
- 107-110
- 113
- 54
- 114
- 116
- 57
- 117
- 58

- 140 MCLR
- 91 TRST
- 31 TMS
- 188 TCMK
- 198 CLK18
- 234 CLK13
- 56 CRE
- 262 CLWE
- 203 CALE
- 236 CHWE
- 221 M32_CS
- 222 M32_CLK
- 27 M32_DT_OUT
- 88 M32_DT_IN
- 250 M32_STS
- 212,243 AHD1,AHD2
- 8,173,219 AVD1,AVD2,INT2
- 82,136,220 FLD1,FLD2
- 127 BCH
- 72 BCL
- 76 SCLK
- 14 CS
- 26 R/W
- 248 INT
- 86 M32R_RST
- 22 HREQ
- 137 HACK
- 247 CEO
- 105 WE
- 23 OE
- 131 CE1
- 83 USB_INT
- 28,87,139,141 MMC_CS,MMC_CLK
- 21 MMC_CMD,MMC_DATA
- 241 DREQ,INT17
- 207 SRCLK
- 167 SDI
- 187 XSDEN
- 251 TXD1
- 187 RXD1

- 140 MCLR
- 91 TRST
- 31 TMS
- 188 TCMK
- 198 CLK18
- 234 CLK13
- 56 CRE
- 262 CLWE
- 203 CALE
- 236 CHWE
- 221 M32_CS
- 222 M32_CLK
- 27 M32_DT_OUT
- 88 M32_DT_IN
- 250 M32_STS
- 212,243 AHD1,AHD2
- 8,173,219 AVD1,AVD2,INT2
- 82,136,220 FLD1,FLD2
- 127 BCH
- 72 BCL
- 76 SCLK
- 14 CS
- 26 R/W
- 248 INT
- 86 M32R_RST
- 22 HREQ
- 137 HACK
- 247 CEO
- 105 WE
- 23 OE
- 131 CE1
- 83 USB_INT
- 28,87,139,141 MMC_CS,MMC_CLK
- 21 MMC_CMD,MMC_DATA
- 241 DREQ,INT17
- 207 SRCLK
- 167 SDI
- 187 XSDEN
- 251 TXD1
- 187 RXD1

- 187 SFLD
- 252 SVD
- 142 SHD
- 149 CALE
- 255 NEW
- 98 NRE
- 94 OCLK135
- 145 OCLK18
- 9 TCK
- 117,118,187,188,207,214,240,243 ADDDATA0 - 15
- 55,112,113,182,203,226,261,262 DIN16 - 23
- 57,114,183,204,205,237,238,263 DIN8 - 15
- 59,115,116,184,185,206,239,254 DIN0 - 7
- 111,180,181,201,202,234,235,259 DOUT0 - 7
- 53,110,157,159,200,232,233,258 DOUT8 - 15
- 229 RESET
- 256 FSET
- 228 CS
- 90 HD
- 222 VD
- 251 FLD
- 250 VDIN

- 15,16,18-21,78-82,133-135 M16ADDR0-11
- 23,25,83-86,136-139 M16BADDR0
- 181-183,218-220 M16BADDR1
- 23,25,83-86,136-139 M16A0 - 11,M16BA0,M16BA1
- 23,25,83-86,136-139 M16DATA0-15
- 3,5,61,62,65-67,119-122,168,169 M32ADDR0 - 10
- 22-27,60-66 M32BADDR0
- 22-27,60-66 M32BADDR1
- 7,9,11,13,68-77,123-132,170-177 M32DATA0 - 31
- 178 M32CLK
- 179 M32CLKEN
- 180 M32DQM
- 217 M32XRAS
- 216 M32XCAS
- 215 M32XWE
- 185 M16CLK
- 140 M16CLKEN
- 229 M16DQML
- 186 M16FRAS
- 141 M16XCAS
- 88 M16XWE
- 27 M16XCS

- 2,4,5,7,8,10,11,13,31,33,34,36,37,39,40,42,45,47,48,50,51,53 A0 - A10
- 2,4,5,7,8,10,11,13,31,33,34,36,37,39,40,42,45,47,48,50,51,53 BA0,BA1
- 7,9,11,13,68-77,123-132,170-177 DQ0 - DQ31
- 178 CLK
- 179 CKE
- 180 DQM0-3
- 217 RAS
- 216 CAS
- 215 WE
- 15 LDOM
- 39 RAS
- 18 CAS
- 17 WE
- 16 CS

- 2,4,5,7,8,10,11,13,31,33,34,36,37,39,40,42,45,47,48,50,51,53 A0 - A10
- 2,4,5,7,8,10,11,13,31,33,34,36,37,39,40,42,45,47,48,50,51,53 BA0,BA1
- 7,9,11,13,68-77,123-132,170-177 DQ0 - DQ31
- 178 CLK
- 179 CKE
- 180 DQM0-3
- 217 RAS
- 216 CAS
- 215 WE
- 15 LDOM
- 39 RAS
- 18 CAS
- 17 WE
- 16 CS

- 15,16,18-21,78-82,133-135 M16ADDR0-11
- 23,25,83-86,136-139 M16BADDR0
- 181-183,218-220 M16BADDR1
- 23,25,83-86,136-139 M16A0 - 11,M16BA0,M16BA1
- 23,25,83-86,136-139 M16DATA0-15
- 3,5,61,62,65-67,119-122,168,169 M32ADDR0 - 10
- 22-27,60-66 M32BADDR0
- 22-27,60-66 M32BADDR1
- 7,9,11,13,68-77,123-132,170-177 M32DATA0 - 31
- 178 M32CLK
- 179 M32CLKEN
- 180 M32DQM
- 217 M32XRAS
- 216 M32XCAS
- 215 M32XWE
- 185 M16CLK
- 140 M16CLKEN
- 229 M16DQML
- 186 M16FRAS
- 141 M16XCAS
- 88 M16XWE
- 27 M16XCS

- 15,16,18-21,78-82,133-135 M16ADDR0-11
- 23,25,83-86,136-139 M16BADDR0
- 181-183,218-220 M16BADDR1
- 23,25,83-86,136-139 M16A0 - 11,M16BA0,M16BA1
- 23,25,83-86,136-139 M16DATA0-15
- 3,5,61,62,65-67,119-122,168,169 M32ADDR0 - 10
- 22-27,60-66 M32BADDR0
- 22-27,60-66 M32BADDR1
- 7,9,11,13,68-77,123-132,170-177 M32DATA0 - 31
- 178 M32CLK
- 179 M32CLKEN
- 180 M32DQM
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- 216 M32XCAS
- 215 M32XWE
- 185 M16CLK
- 140 M16CLKEN
- 229 M16DQML
- 186 M16FRAS
- 141 M16XCAS
- 88 M16XWE
- 27 M16XCS

- 15,16,18-21,78-82,133-135 M16ADDR0-11
- 23,25,83-86,136-139 M16BADDR0
- 181-183,218-220 M16BADDR1
- 23,25,83-86,136-139 M16A0 - 11,M16BA0,M16BA1
- 23,25,83-86,136-139 M16DATA0-15
- 3,5,61,62,65-67,119-122,168,169 M32ADDR0 - 10
- 22-27,60-66 M32BADDR0
- 22-27,60-66 M32BADDR1
- 7,9,11,13,68-77,123-132,170-177 M32DATA0 - 31
- 178 M32CLK
- 179 M32CLKEN
- 180 M32DQM
- 217 M32XRAS
- 216 M32XCAS
- 215 M32XWE
- 185 M16CLK
- 140 M16CLKEN
- 229 M16DQML
- 186 M16FRAS
- 141 M16XCAS
- 88 M16XWE
- 27 M16XCS

0 7 JACK

- 3 MMC_CLK
- 4 MMC_DATA
- 5 MMC_CMD
- 6 M32_MMC_CS
- 43 CN8402
- 42 CN301
- 41 CN302
- 40
- 5
- 7
- 2
- 1

- 15 DREQ
- 16 SRCLK
- 17 SDI
- 18 XSDEN
- 19 M32TXD
- 20 M32RXD
- 31 J301 PRINTER
- 30
- 29
- 28
- 27
- 26
- 2 D2825
- 4 IC2822

4.39 AUDIO SYSTEM BLOCK DIAGRAM

