


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.

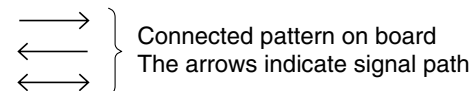
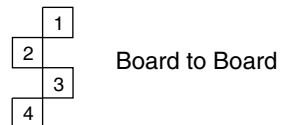
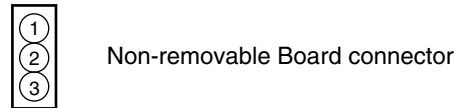
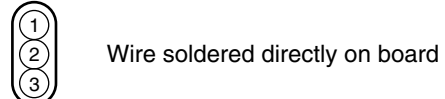
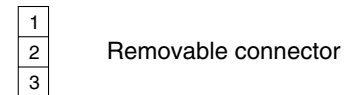
- 1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
Chip resistors are 1/16 W.
K: K Ω (1000 Ω), M: M Ω (1000K Ω)
- 2) All capacitance values are in μ F, (P: PF).
- 3) All inductance values are in μ H, (m: mH).
- 4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

2. Indications of control voltage

AUX : Active at high.

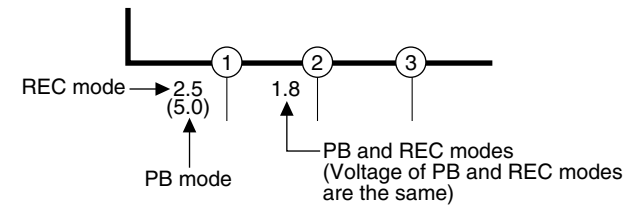
$\overline{\text{AUX}}$ or AUX(L) : Active at low.

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.

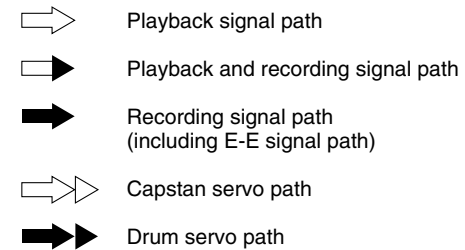


Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

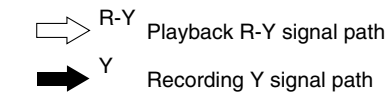
5. Signal path Symbols

The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.



(Example)



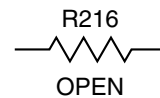
6. Indication of the parts for adjustments

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.



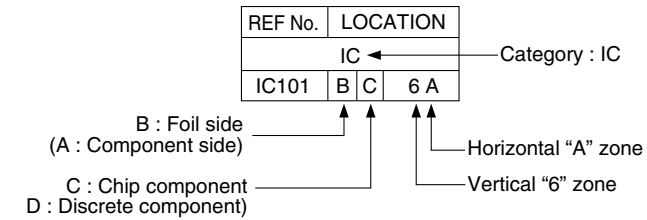
CIRCUIT BOARD NOTES

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

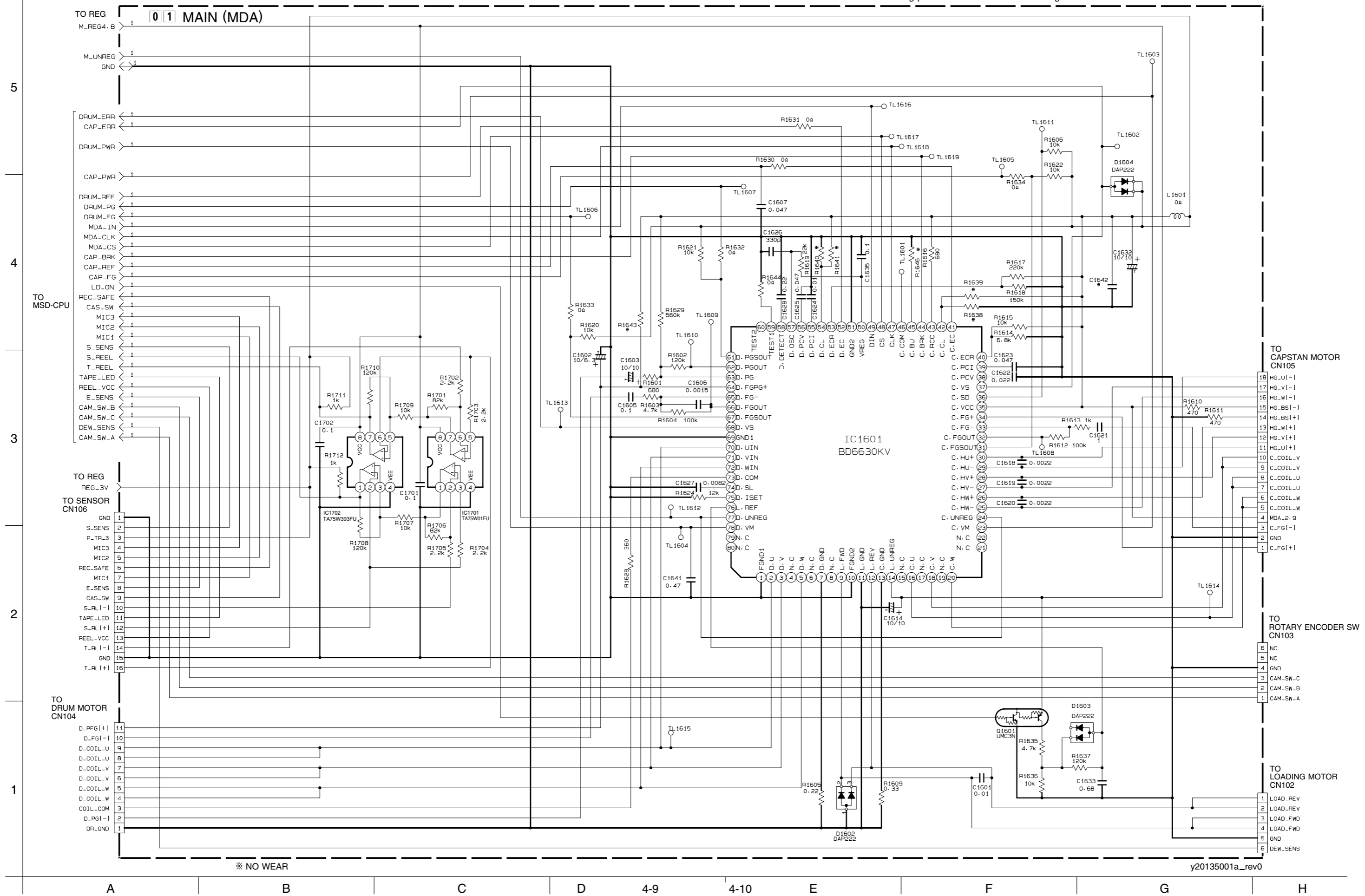
Parts location are indicated by guide scale on the circuit board.



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

4.4 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.

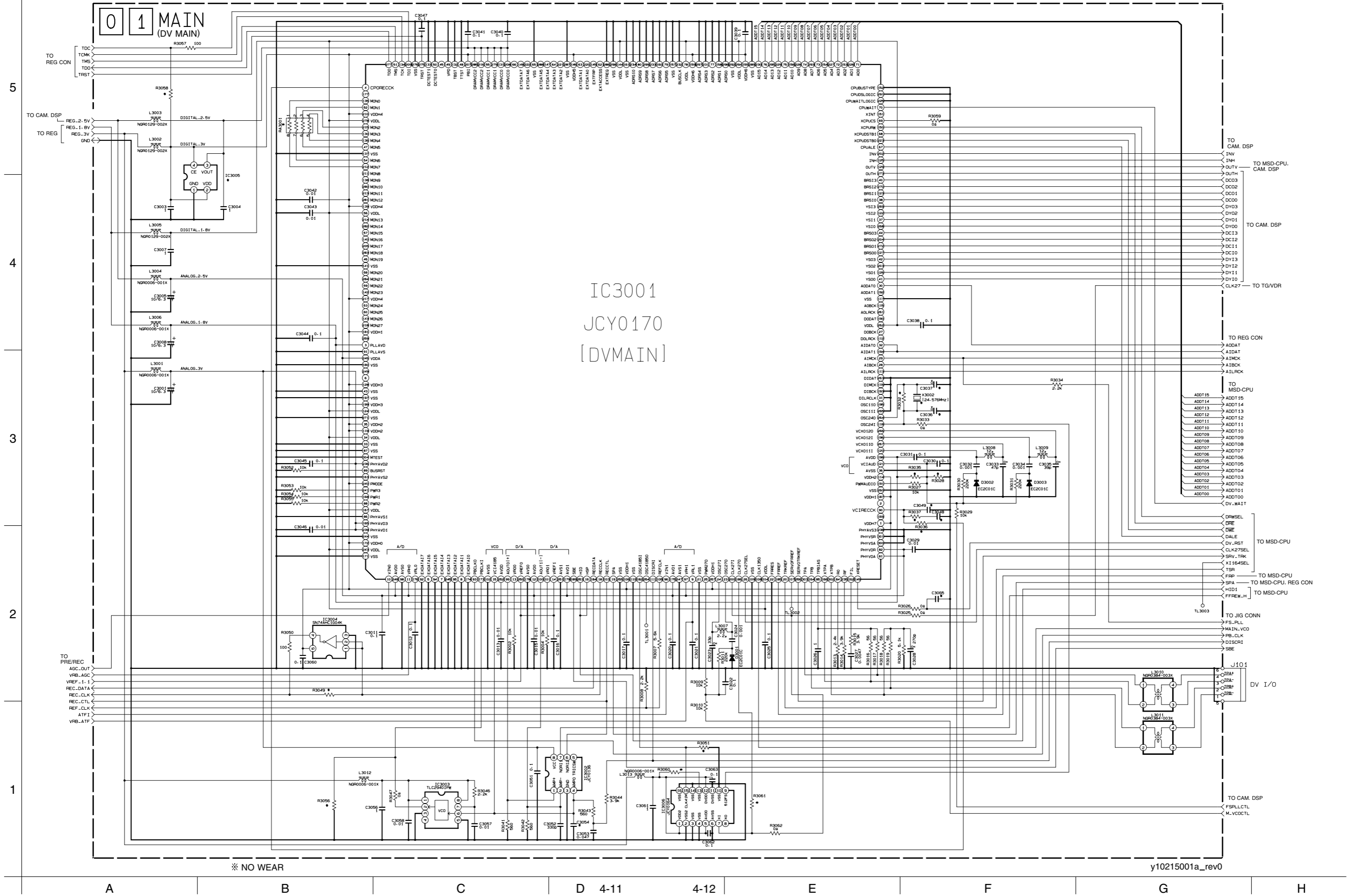


* NO WEAR

y20135001a_rev0

4.5 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.



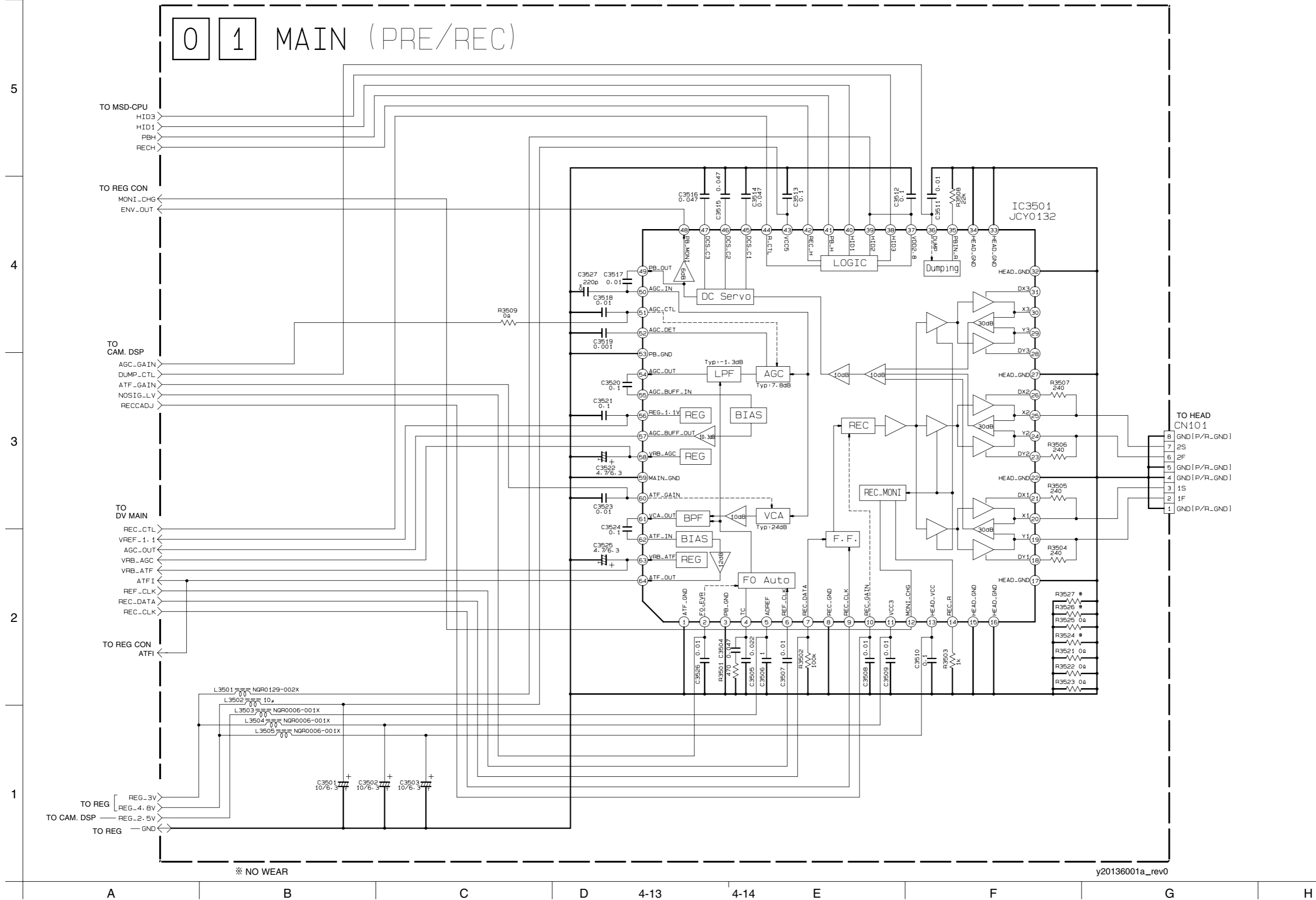
IC3001
JCY0170
[DVMAIN]

※ NO WEAR

y10215001a_rev0

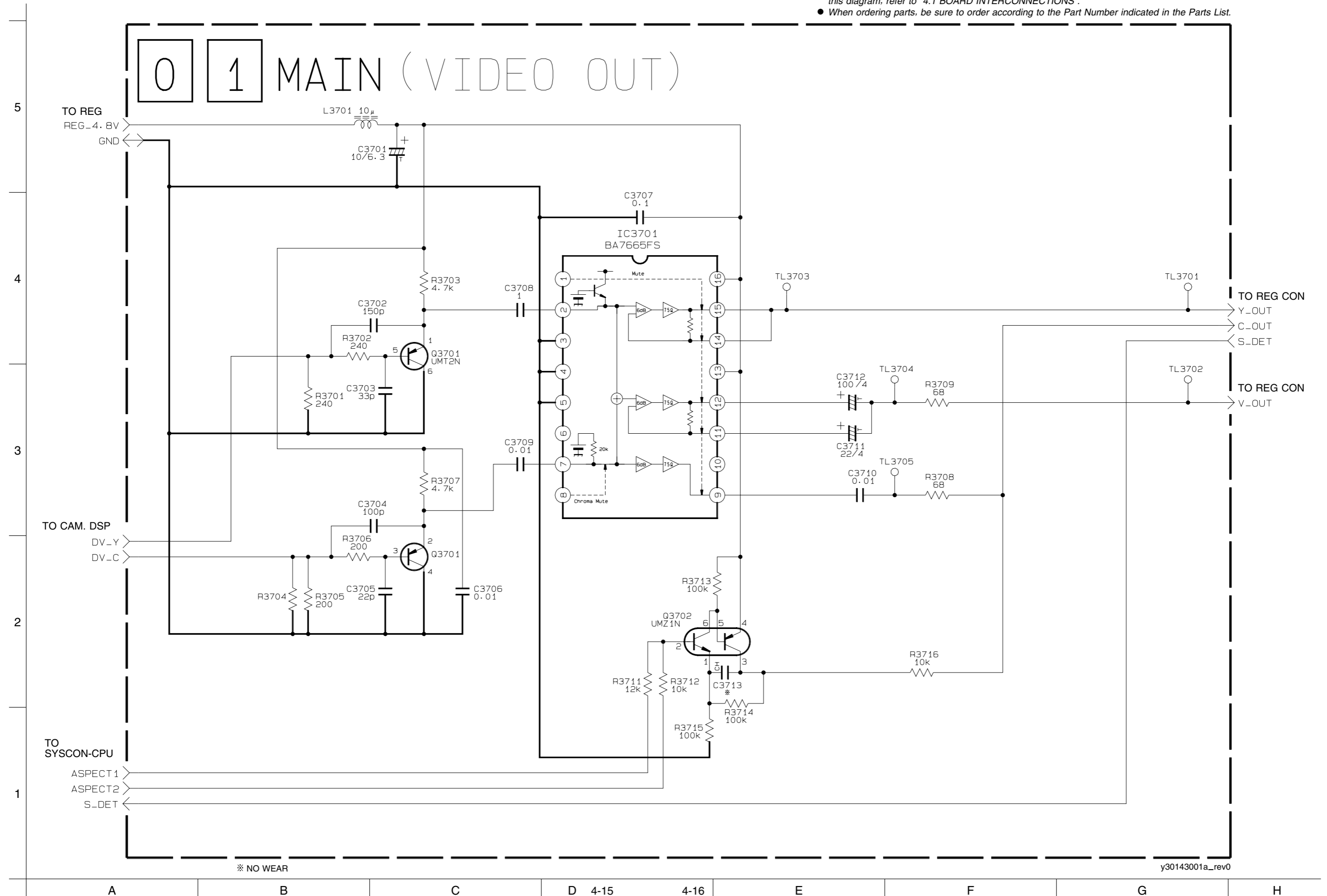
4.6 PRE/REC SCHEMATIC DIAGRAM

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.



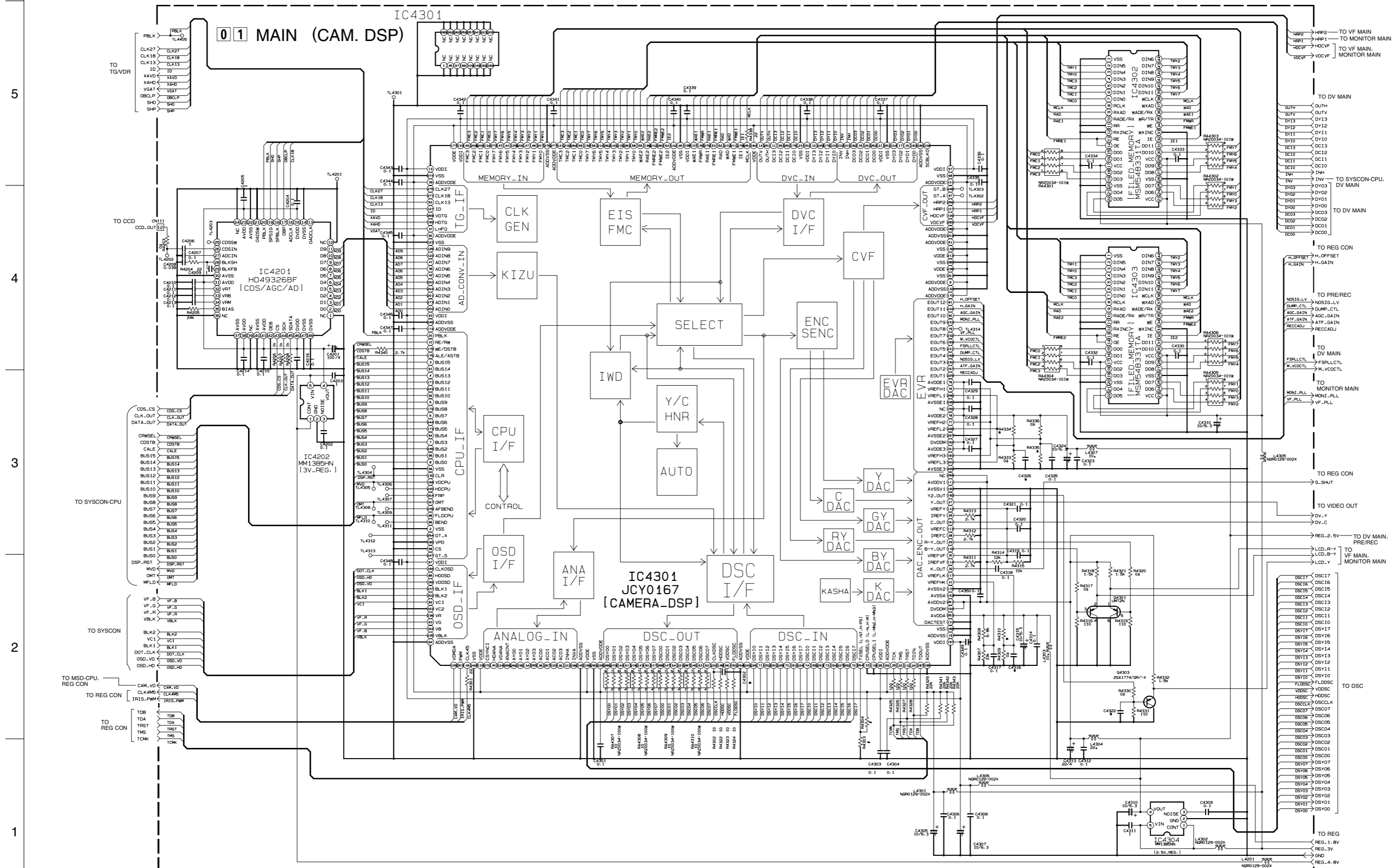
4.7 VIDEO OUT SCHEMATIC DIAGRAM

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.



4.8 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.



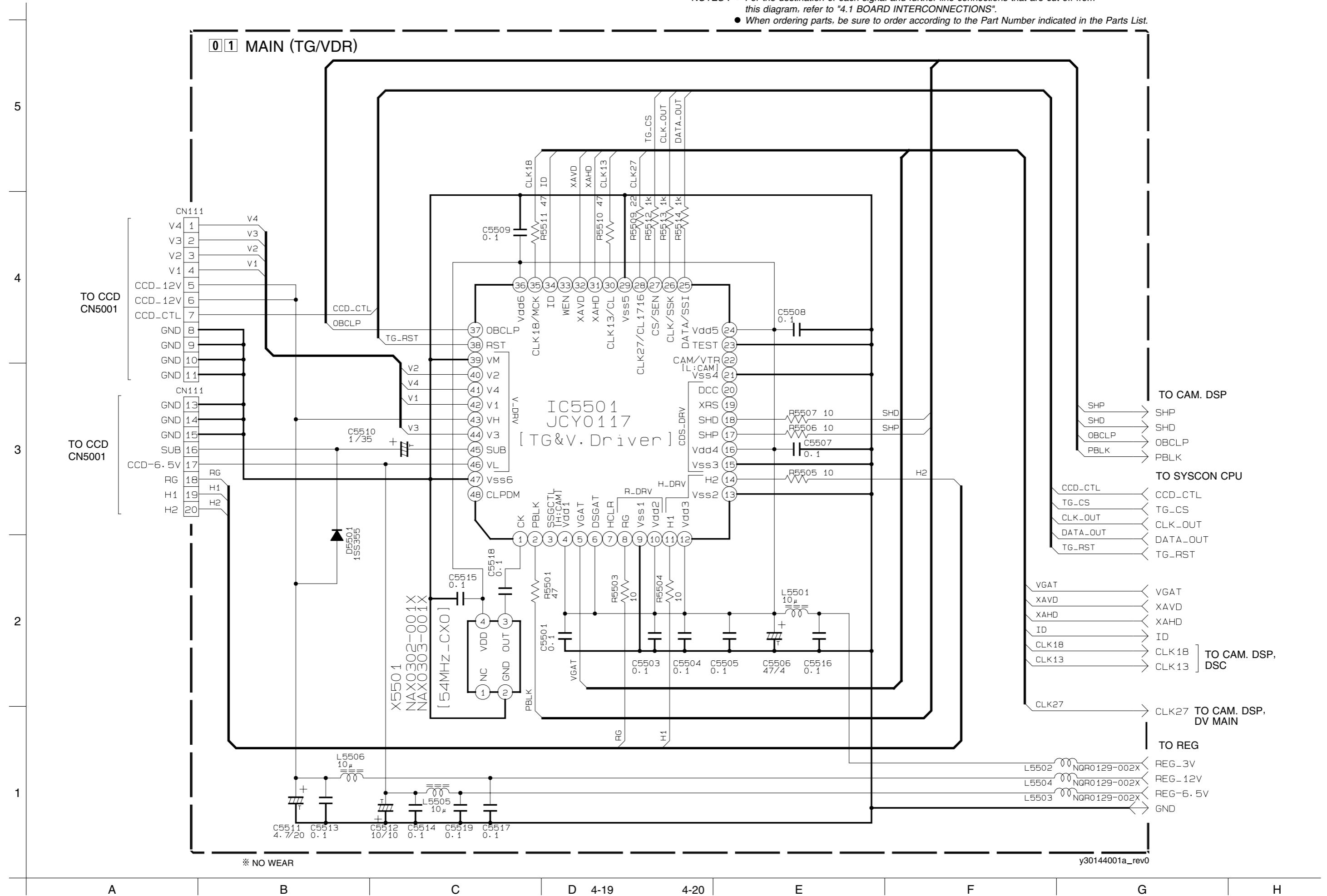
※ NO WEAR # : Difference point

	R4303	R4304
NTSC	0Ω	*
PAL	*	0Ω

y10216001a_rev0

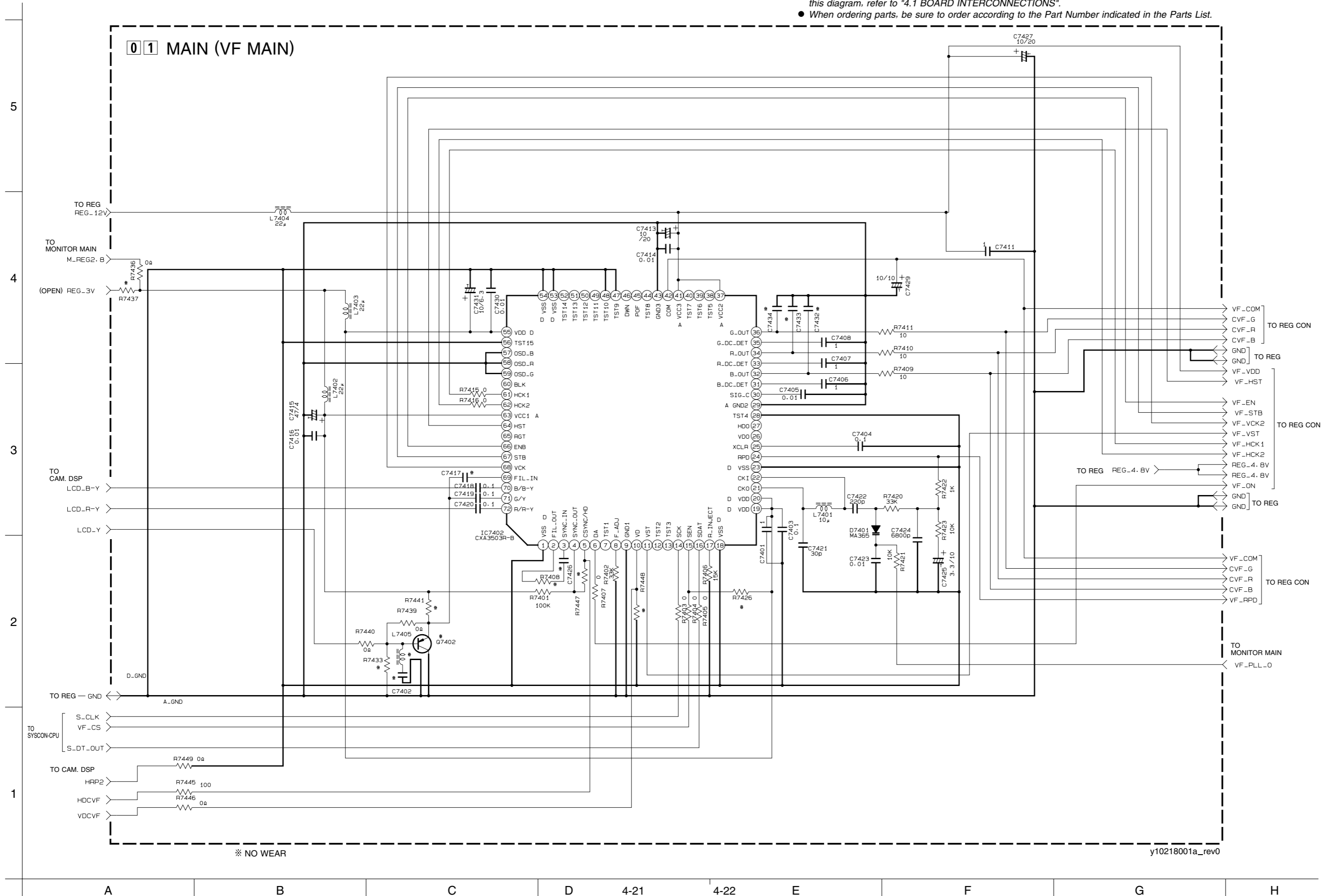
4.9 TG/VDR SCHEMATIC DIAGRAM

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.



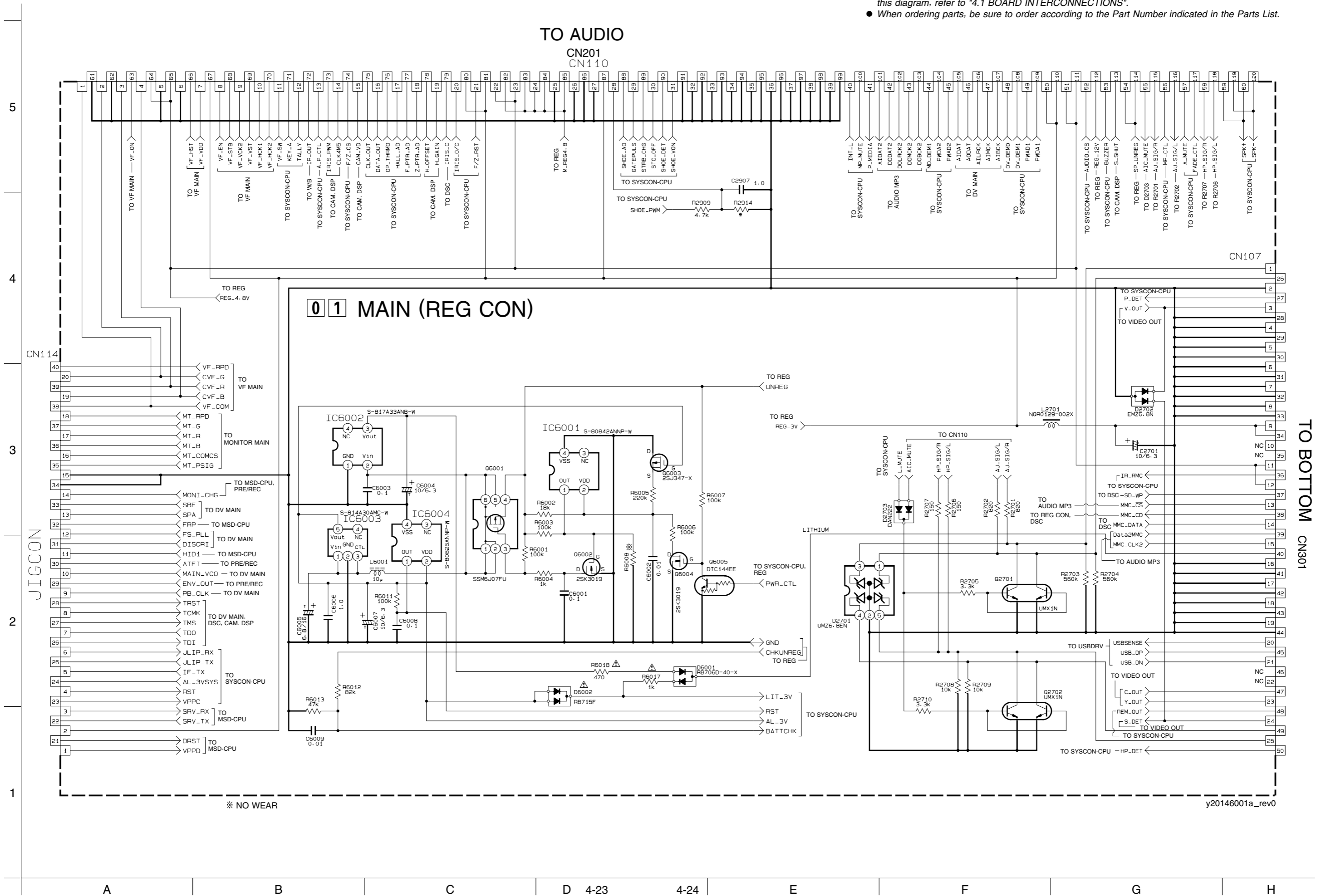
4.10 VF MAIN SCHEMATIC DIAGRAM

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.



4.11 REG CON SCHEMATIC DIAGRAM

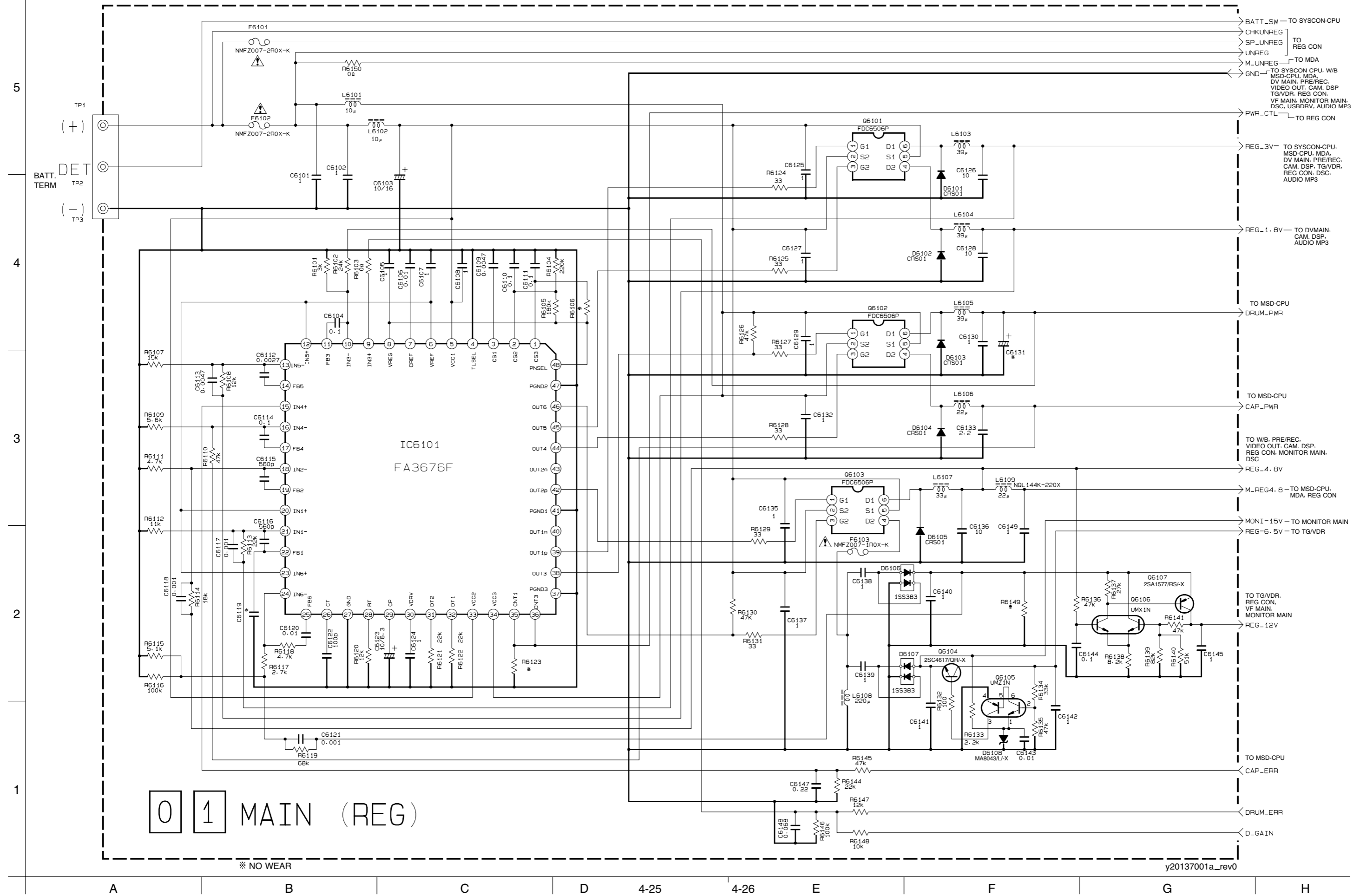
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
 ● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.



TO BOTTOM CN301

4.12 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.



0 1 MAIN (REG)

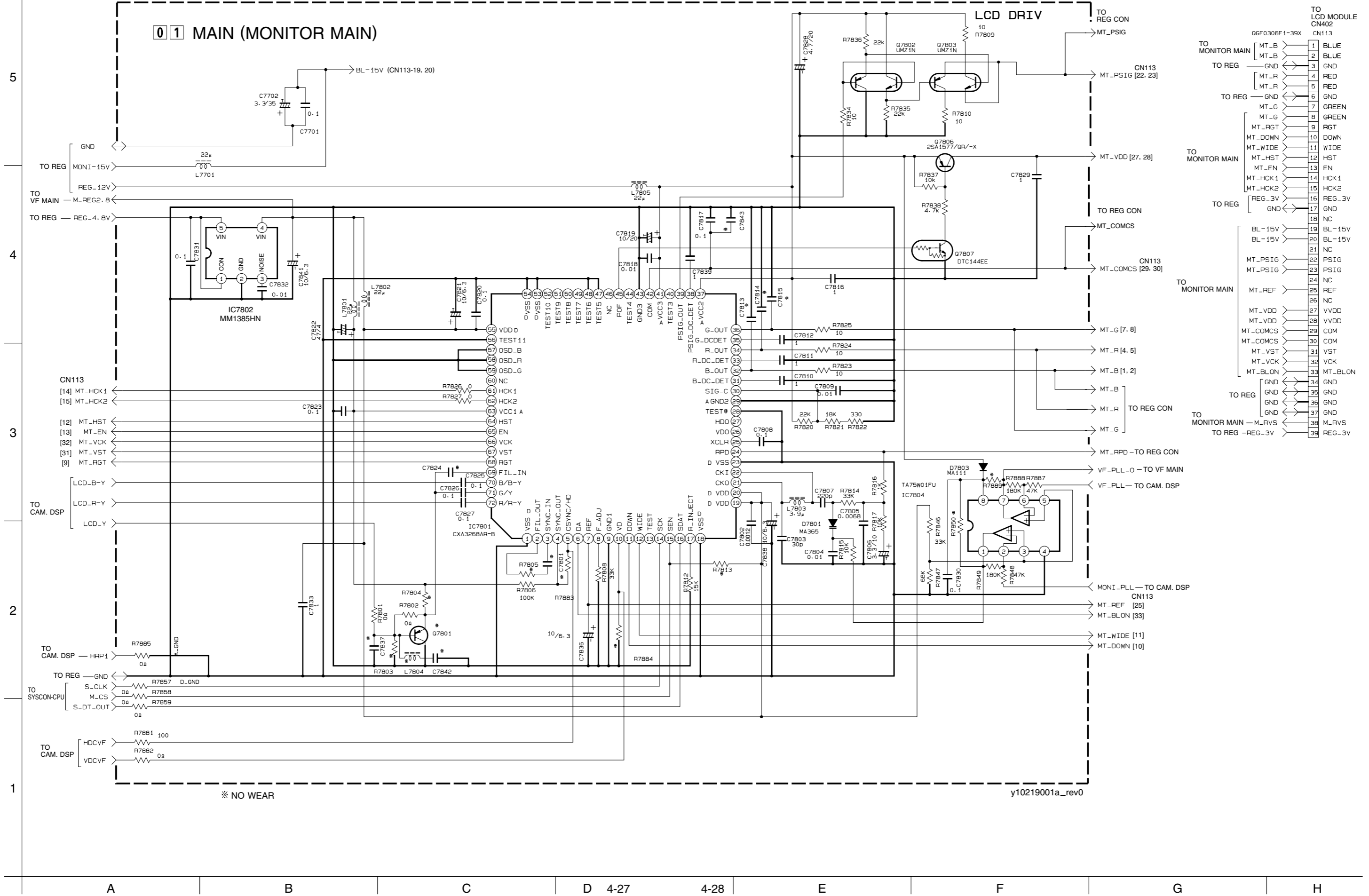
* NO WEAR

y20137001a_rev0

- BATT_SW — TO SYSCON-CPU
- CHKUNREG — TO REG CON
- SP_UNREG — TO REG CON
- UNREG — TO MDA
- M_UNREG — TO SYSCON-CPU, W/B MSD-CPU, MDA, DV MAIN, PRE/REC, VIDEO OUT, CAM, DSP TG/VDR, REG CON, VF MAIN, MONITOR MAIN, DSC, USBDRV, AUDIO MP3
- GND — TO REG CON
- PWR_CTL — TO REG CON
- REG_3V — TO SYSCON-CPU, MSD-CPU, MDA, DV MAIN, PRE/REC, CAM, DSP, TG/VDR, REG CON, DSC, AUDIO MP3
- REG_1.8V — TO DVMAIN, CAM, DSP, AUDIO MP3
- TO MSD-CPU DRUM_PWR
- TO MSD-CPU CAP_PWR
- TO W/B, PRE/REC, VIDEO OUT, CAM, DSP, REG CON, MONITOR MAIN, DSC
- REG_4.8V
- M_REG4.8 — TO MSD-CPU, MDA, REG CON
- MONI-15V — TO MONITOR MAIN
- REG-6.5V — TO TG/VDR
- TO TG/VDR, REG CON, VF MAIN, MONITOR MAIN
- REG-12V
- TO MSD-CPU CAP_ERR
- DRUM_ERR
- D_GAIN

4.13 MONITOR 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.

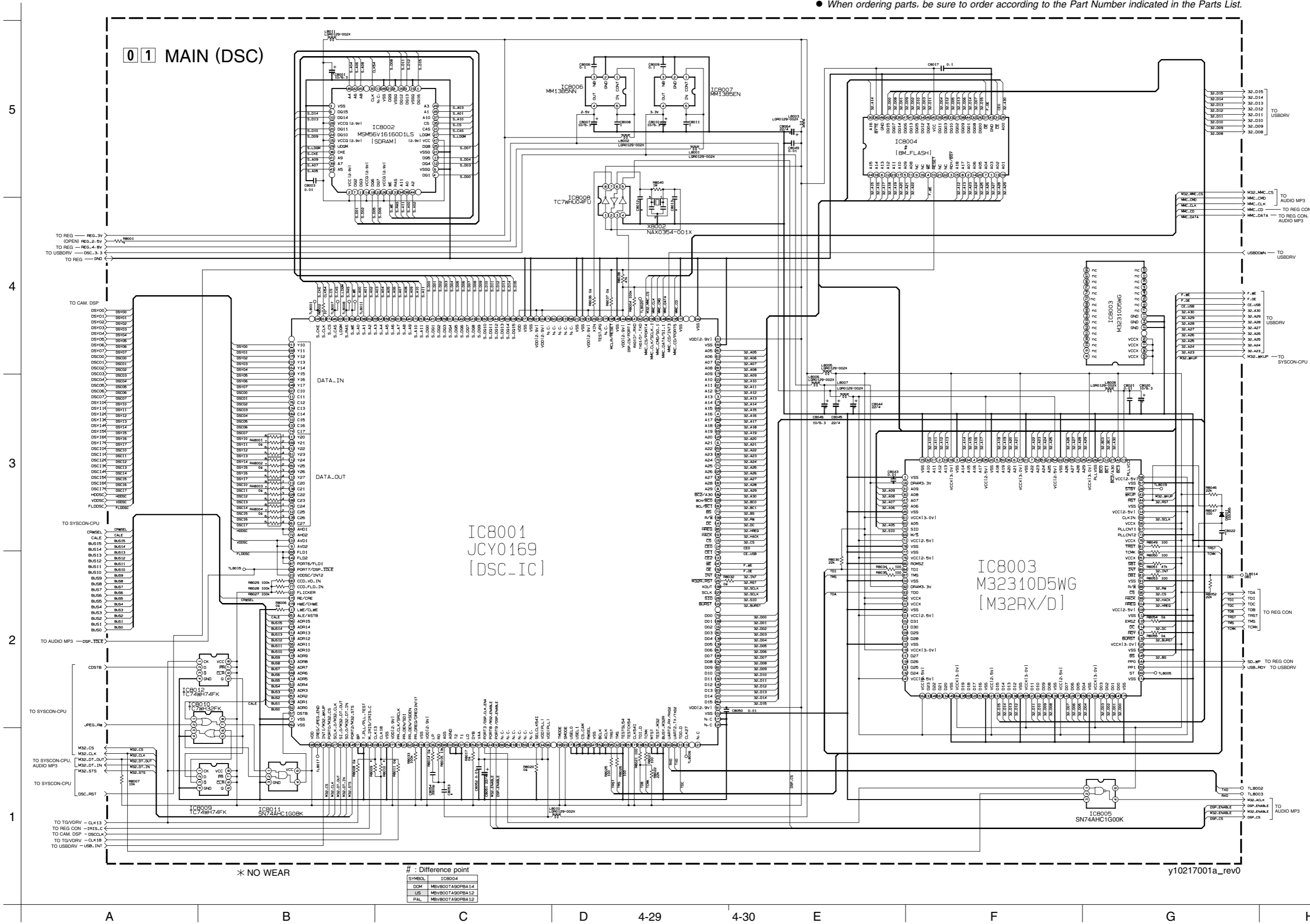


※ NO WEAR

y10219001a_rev0

4.14 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

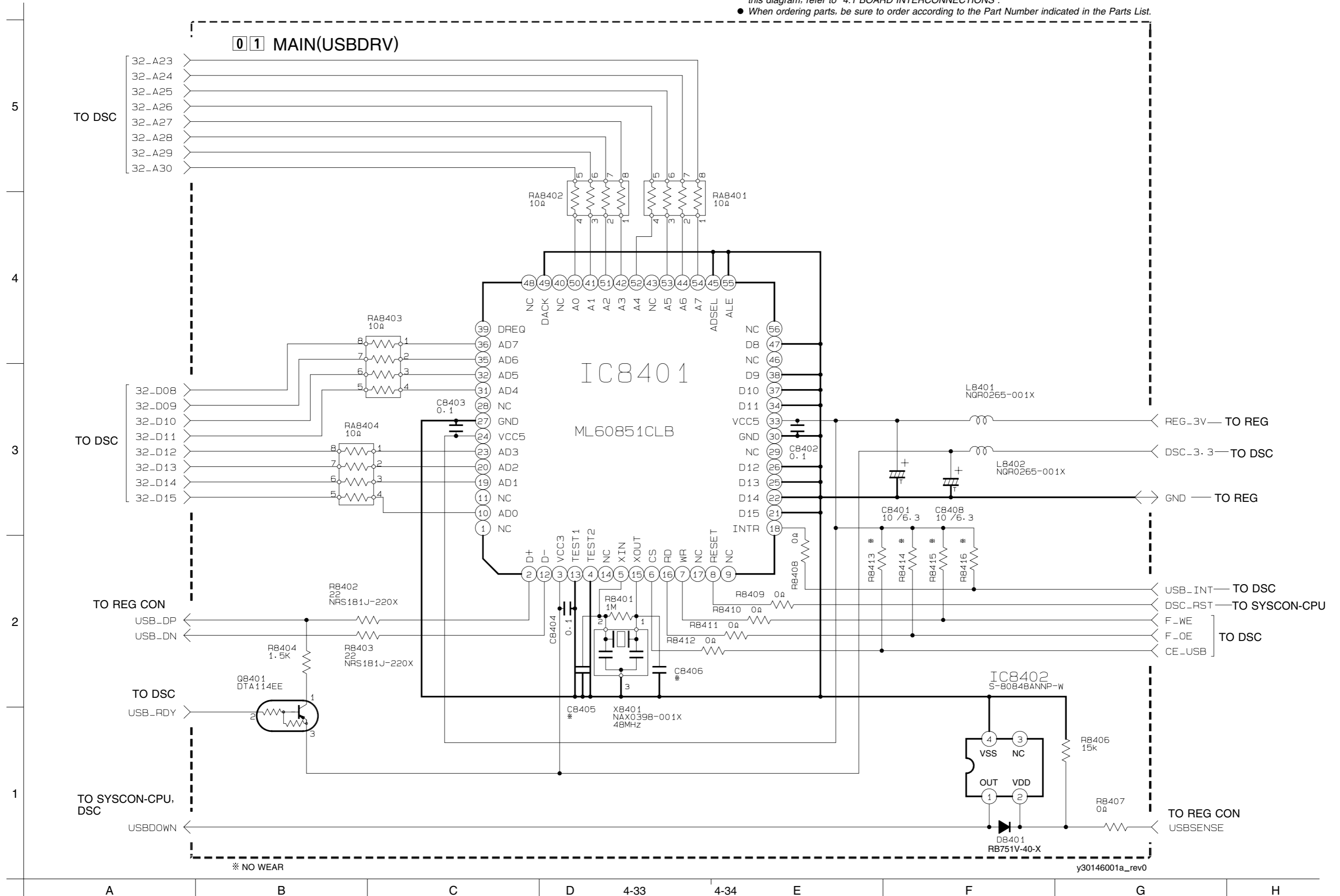
: Difference point

SYMBOL	IC8004
DOM	MBV8007AGORBA14
US	MBV8007AGORBA12
PAL	MBV8007AGORBA12

y10217001a_rev0

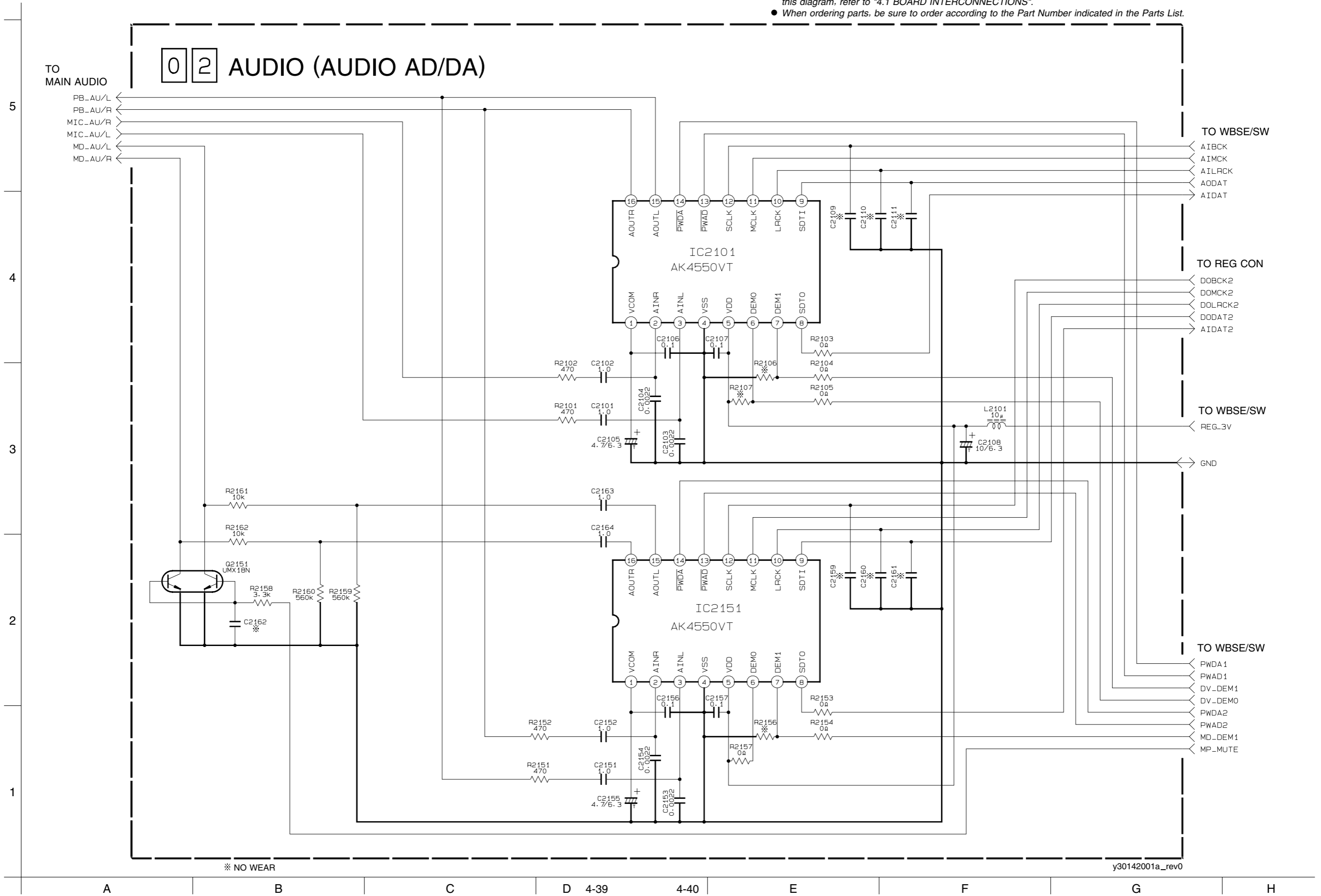
4.16 USBDRV SCHEMATIC DIAGRAM

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.



4.20 AUDIO AD/DA 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.

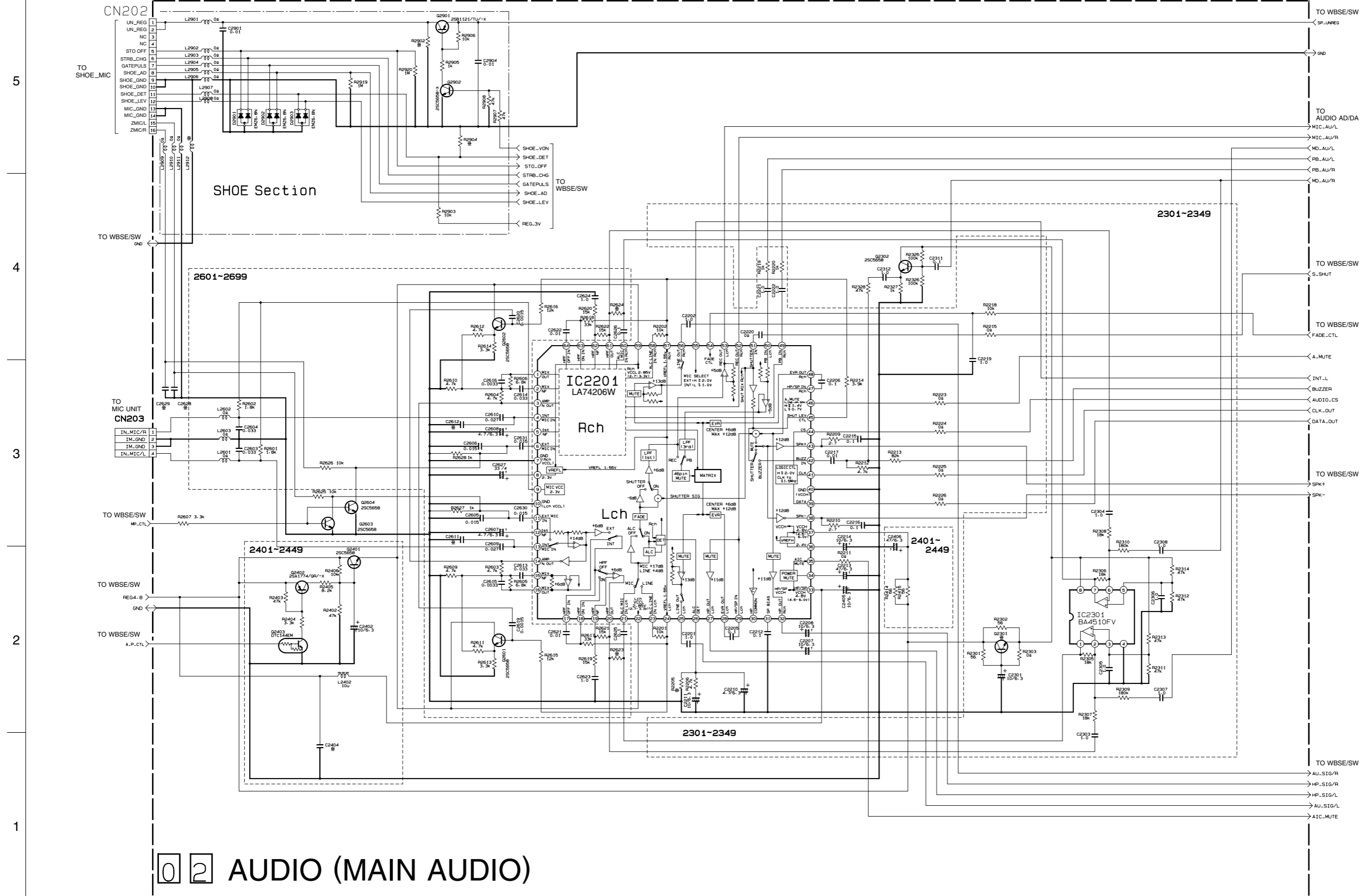


※ NO WEAR

y30142001a_rev0

4.21 MAIN 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.



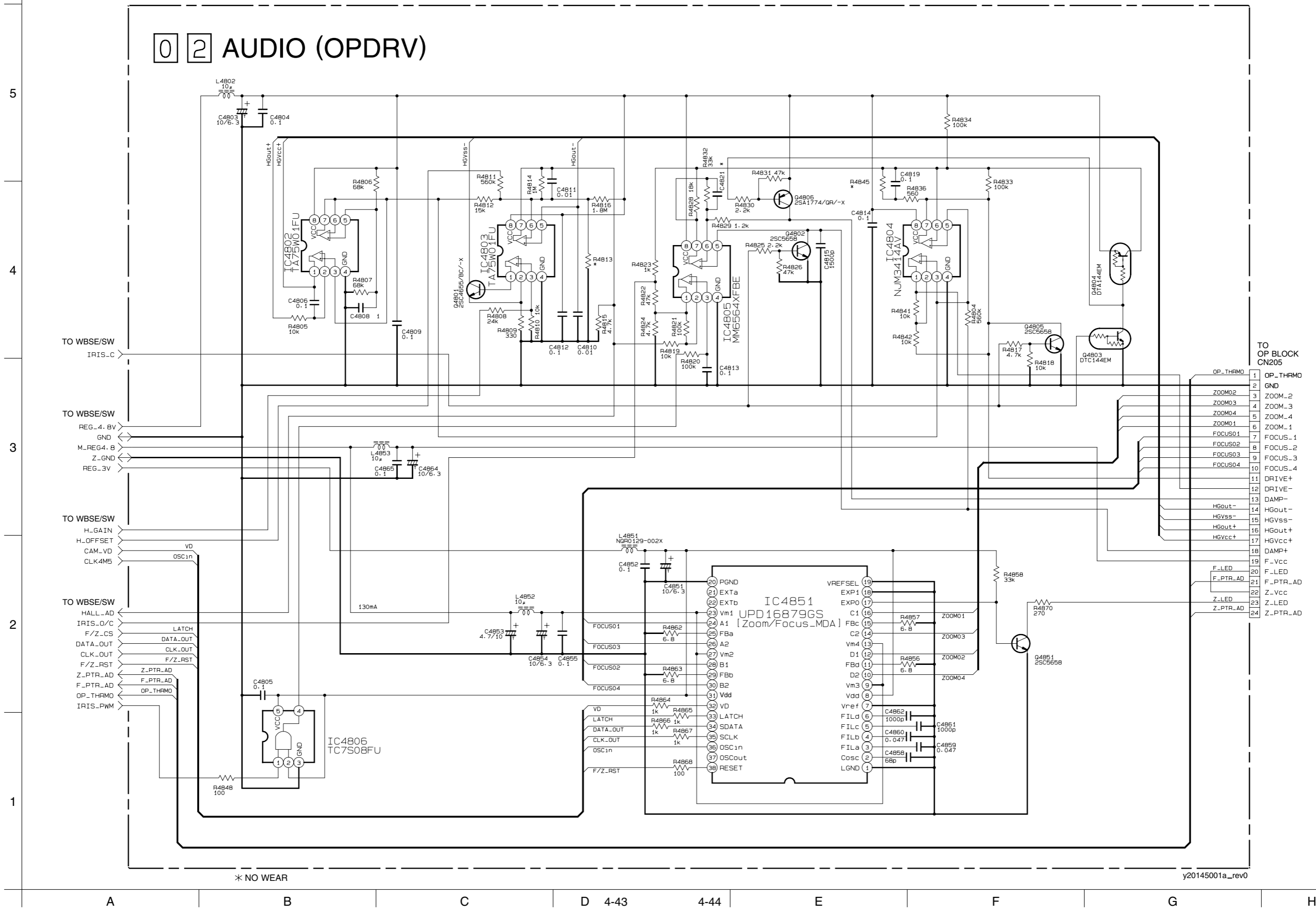
02 AUDIO (MAIN AUDIO)

* NO WEAR

y10211001a_rev0

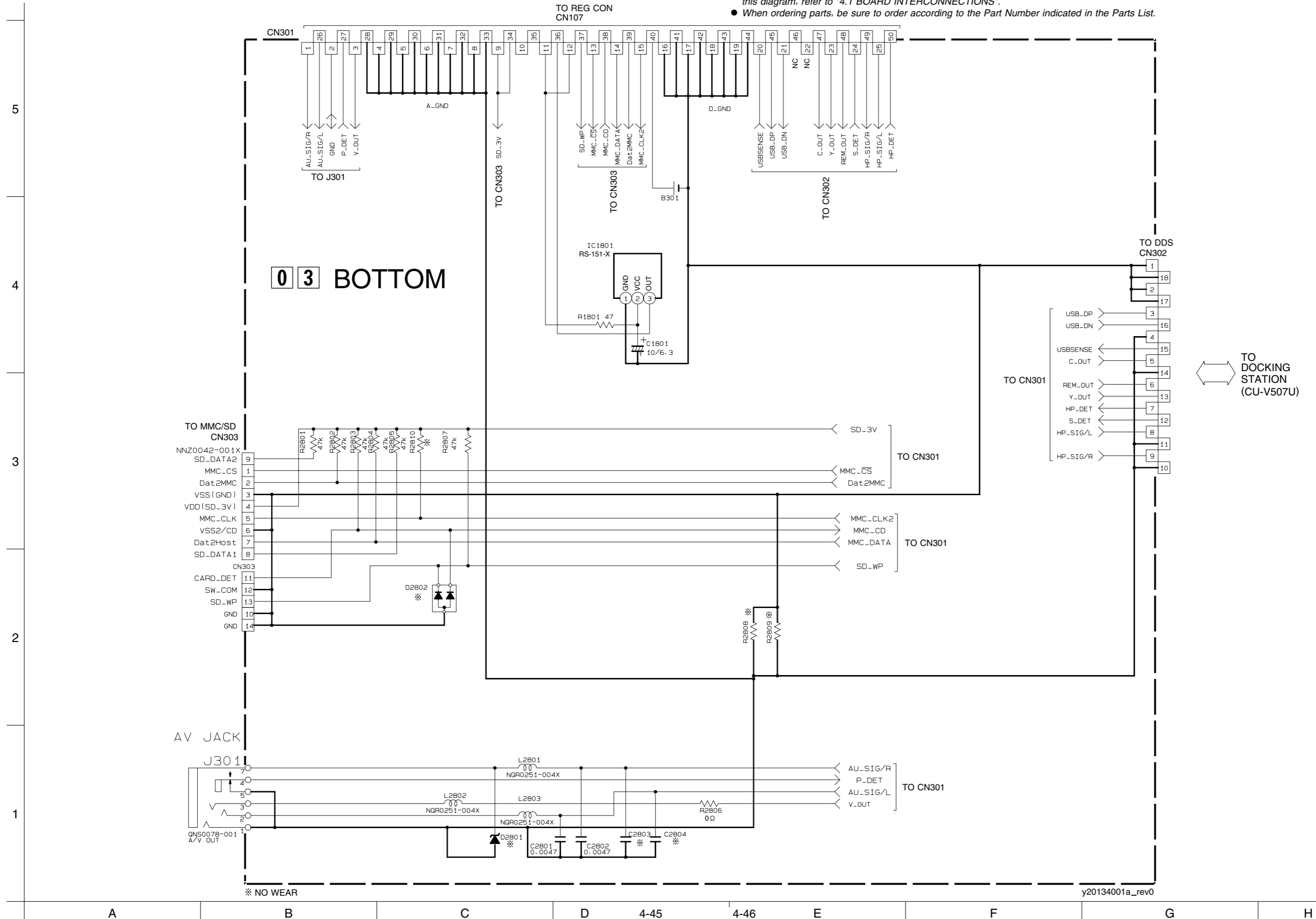
4.22 OPDRV SCHEMATIC DIAGRAM

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.



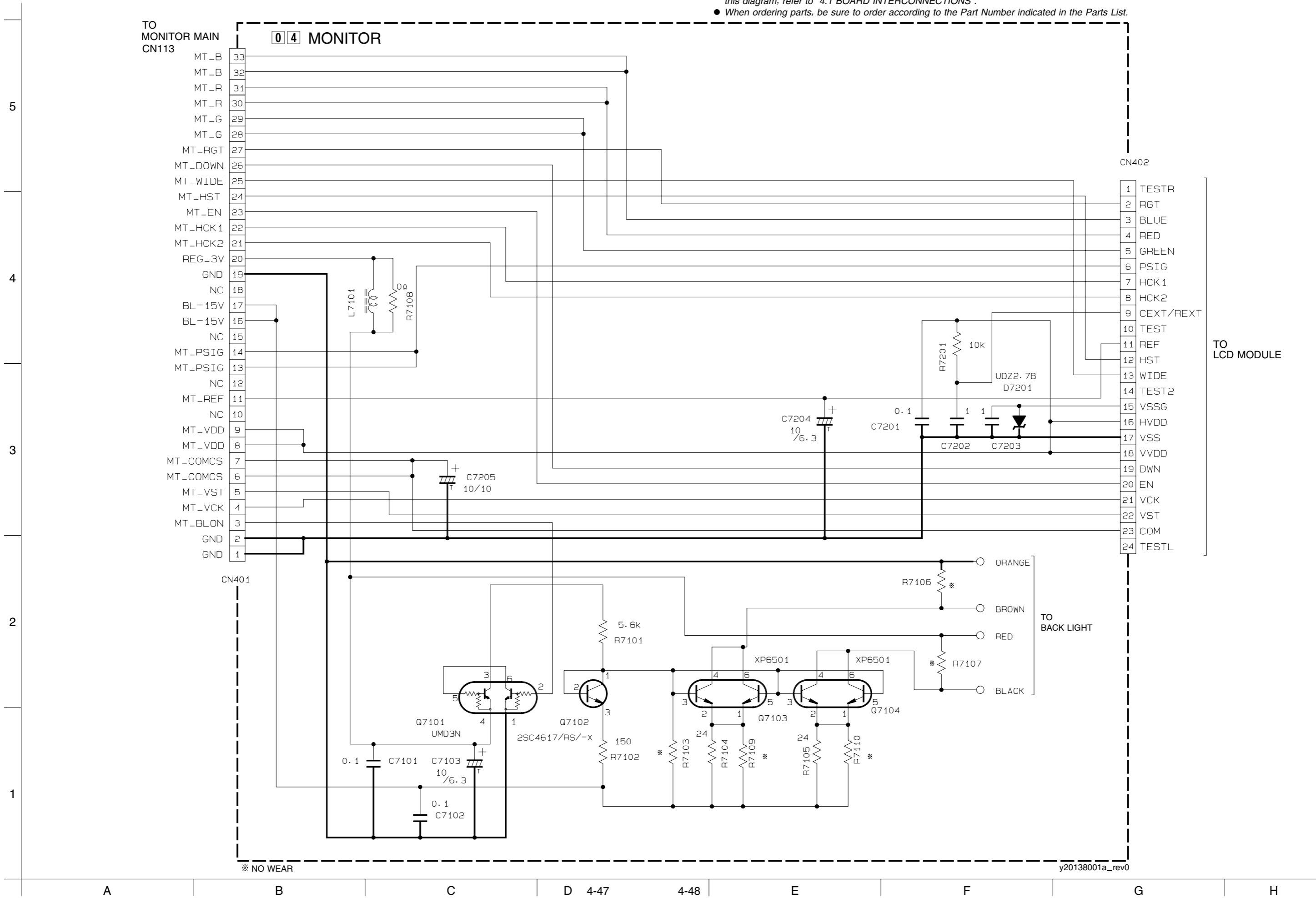
4.23 BOTTOM SCHEMATIC DIAGRAM

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.



4.24 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

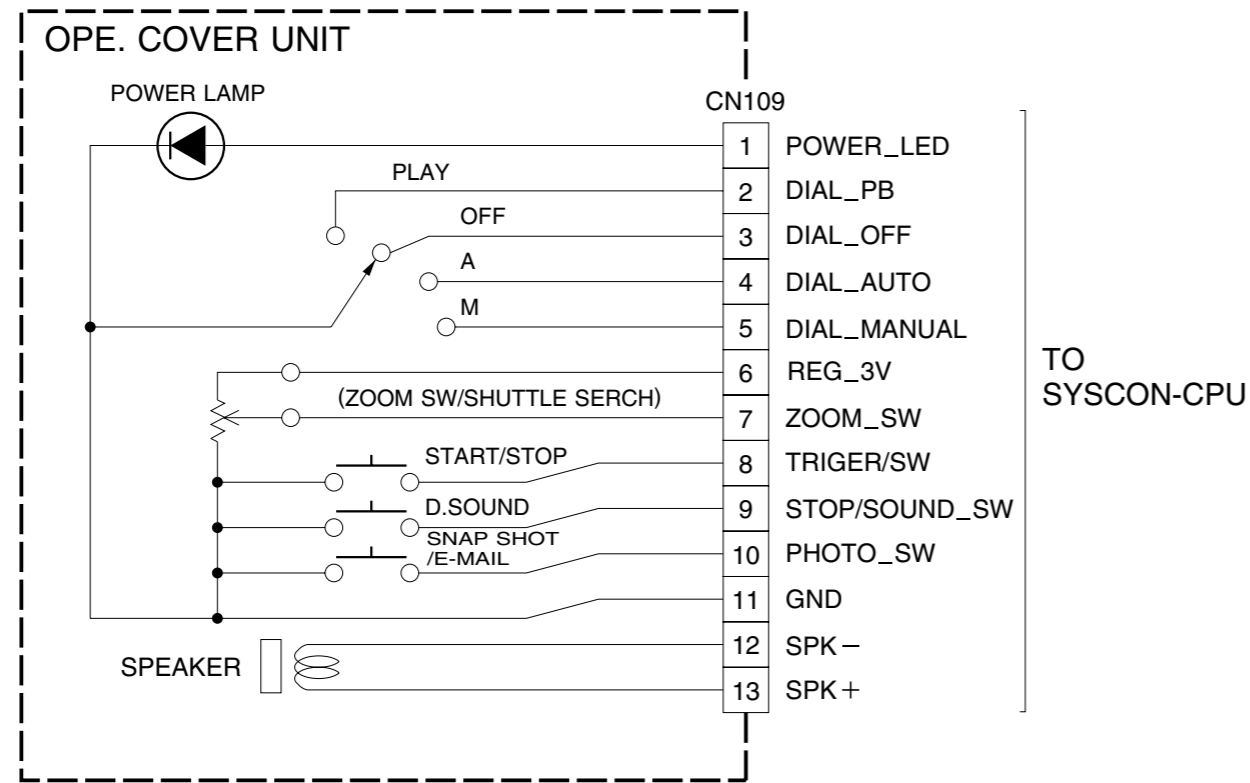
y20138001a_rev0

A B C D 4-47 4-48 E F G H

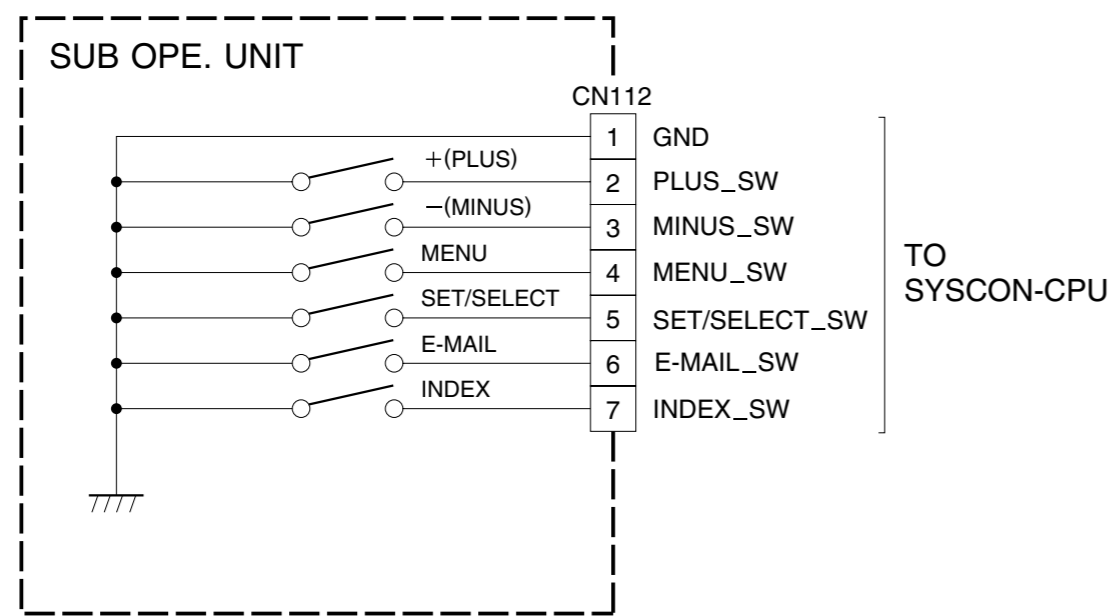
4.25 OPE. COVER UNIT AND SUB OPE. UNIT SCHEMATIC DIAGRAMS

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

—OPE. COVER UNIT —



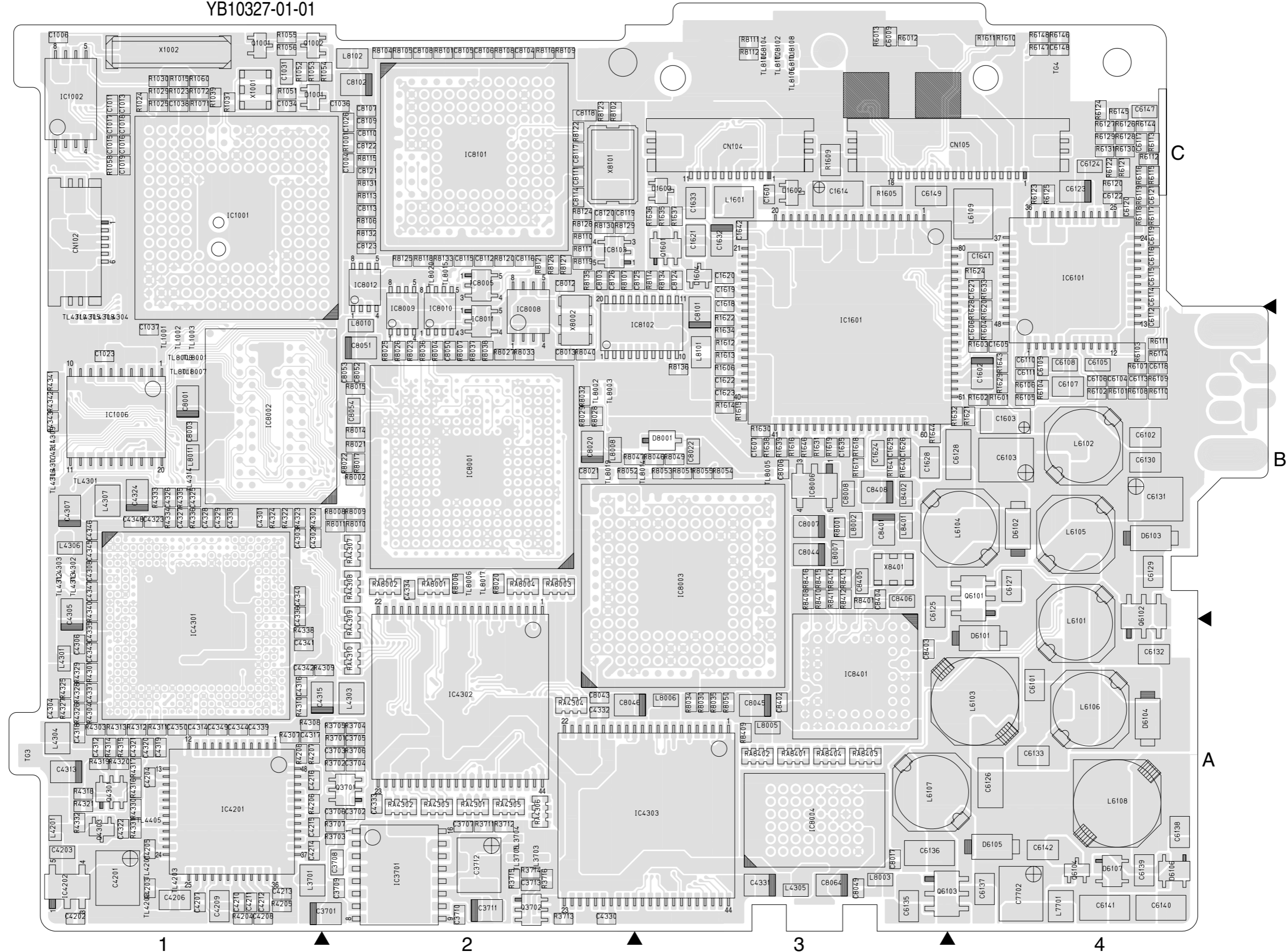
—SUB OPE. UNIT —



4.26 MAIN CIRCUIT BOARD

FOIL SIDE(B)

01 MAIN PWB
YB10327-01-01



COMPONENT PARTS LOCATION GUIDE <MAIN>

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR													
C1004	B C 1C	C3028	A C 4B	C4302	B C 1B	C6116	B C 4C	C7828	A C 3A	D1603	B C 3C	L3004	A C 4C
C1006	B C 1C	C3029	A C 4C	C4303	B C 1B	C6117	B C 4C	C7829	A C 2A	D1604	B C 3C	L3005	A C 3C
C1007	A C 1C	C3030	A C 3C	C4304	B C 1A	C6118	B C 4B	C7830	A C 3A	D2701	A C 4A	L3006	A C 4B
C1011	B C 1C	C3031	A C 3C	C4305	B C 1B	C6119	B C 4C	C7831	A C 2A	D2702	A C 3A	L3007	A C 3B
C1013	B C 1C	C3032	A C 3C	C4306	B C 1A	C6120	B C 4C	C7832	A C 2A	D2703	A C 3A	L3008	A C 3C
C1015	B C 1C	C3033	A C 3C	C4307	B C 1B	C6121	B C 4C	C7833	A C 3B	D3001	A C 3B	L3009	A C 3C
C1016	B C 1C	C3034	A C 3C	C4308	B C 1B	C6122	B C 4C	C7836	A C 2B	D3002	A C 3C	L3010	A C 4B
C1017	B C 1C	C3035	A C 3C	C4309	A C 4A	C6123	B C 4C	C7837	A C 2A	D3003	A C 3C	L3011	A C 4B
C1018	B C 1C	C3036	A C 3B	C4310	A C 4A	C6124	B C 4C	C7838	A C 3B	D5501	A C 2A	L3012	A C 4B
C1019	B C 1C	C3037	A C 3B	C4311	A C 4A	C6125	B C 3B	C7839	A C 2A	D6001	A C 4A	L3013	A C 2B
C1023	B C 1B	C3038	A C 3C	C4312	B C 1A	C6126	B C 4A	C7841	A C 2A	D6002	A C 4A	L3501	A C 3C
C1026	B C 2C	C3039	A C 3C	C4313	B C 1A	C6127	B C 4B	C7842	A C 2A	D6101	B C 4A	L3502	A C 2B
C1027	A C 1C	C3040	A C 3C	C4314	B C 1A	C6128	B C 4B	C7843	A C 2A	D6102	B C 4B	L3503	A C 2B
C1028	A C 1C	C3041	A C 3C	C4315	B C 2A	C6129	B C 4B	C8001	B C 1B	D6103	B C 4B	L3504	A C 2B
C1029	A C 1C	C3042	A C 3C	C4316	B C 1A	C6130	B C 4B	C8003	B C 1B	D6104	B C 4A	L3505	A C 2C
C1030	A C 1C	C3043	A C 3C	C4317	B C 1A	C6131	B C 4B	C8006	B C 3B	D6105	B C 4A	L3701	A C 1A
C1031	B C 1C	C3044	A C 3B	C4318	B C 1A	C6132	B C 4A	C8007	B C 3B	D6106	B C 4A	L4201	B C 1A
C1033	B C 1C	C3045	A C 4C	C4319	B C 1A	C6133	B C 4A	C8008	B C 3B	D6107	B C 4A	L4301	B C 1A
C1034	B C 1C	C3046	A C 3B	C4320	B C 1A	C6135	B C 3A	C8009	A C 3B	D6108	A C 4A	L4302	A C 4B
C1036	B C 2C	C3047	A C 3C	C4321	B C 1A	C6136	B C 3A	C8010	A C 3B	D7401	A C 1B	L4303	B C 2A
C1037	B C 1B	C3048	A C 4B	C4322	B C 1A	C6137	B C 4A	C8011	A C 2B	D7801	A C 3A	L4304	B C 1A
C1038	B C 1C	C3049	A C 3B	C4323	B C 1B	C6138	B C 4A	C8012	B C 2C	D7803	A C 3A	L4305	B C 3A
C1101	A C 1C	C3051	A C 3B	C4324	B C 1B	C6139	B C 4A	C8013	B C 2B	D8001	A C 3B	L4306	B C 1B
C1102	A C 2C	C3052	A C 3B	C4325	B C 1B	C6140	B C 4A	C8017	B C 3A	D8401	A C 4B	L4307	B C 1B
C1103	A C 2C	C3053	A C 3B	C4326	B C 1B	C6141	B C 4A	C8020	B C 2B	FUSE			
C1111	A C 1C	C3054	A C 3B	C4327	B C 1B	C6142	B C 4A	C8021	B C 2B	F6101	A C 4C	L5501	A C 1A
C1112	A C 1C	C3056	A C 4B	C4328	B C 1B	C6143	A C 4A	C8022	B C 3B	F6102	A C 4C	L5502	A C 1A
C1113	A C 1C	C3057	A C 4B	C4329	B C 1B	C6144	A C 4A	C8043	B C 2A	F6103	A C 4A	L5503	A C 1A
C1401	A C 3B	C3058	A C 3B	C4330	B C 2A	C6145	A C 4A	C8044	B C 3B	IC			
C1402	A C 3B	C3060	A C 2B	C4331	B C 3A	C6147	B C 4C	C8045	B C 3A	IC1001	B C 1C	L5504	A C 1A
C1403	A C 3A	C3061	A C 2B	C4332	B C 2A	C6148	B C 4C	C8046	B C 2A	IC1002	B C 1C	L5505	A C 1A
C1404	A C 3B	C3062	A C 2B	C4333	B C 2A	C6149	B C 3C	C8049	B C 3A	IC1003	A C 2C	L6001	A C 4A
C1405	A C 4B	C3063	A C 3B	C4334	B C 2B	C7401	A C 1B	C8050	B C 2B	IC1006	B C 1B	L6101	B C 4A
C1406	A C 3A	C3065	A C 3C	C4335	B C 1A	C7402	A C 2B	C8051	B C 2B	IC1007	A C 1C	L6102	B C 4B
C1407	A C 4B	C3501	A C 2B	C4336	B C 1B	C7403	A C 1B	C8052	B C 2B	IC1101	A C 1C	L6103	B C 4A
C1408	A C 4B	C3502	A C 2B	C4337	B C 1A	C7404	A C 1B	C8053	B C 2B	IC1101	A C 1C	L6104	B C 4B
C1414	A C 3B	C3503	A C 2C	C4338	B C 1B	C7405	A C 1B	C8054	B C 2B	IC1401	A C 3B	L6105	B C 4B
C1415	A C 3B	C3504	A C 2C	C4339	B C 1A	C7406	A C 1B	C8064	B C 3A	IC1601	B C 3B	L6106	B C 4A
C1416	A C 4B	C3505	A C 2C	C4340	B C 1B	C7407	A C 1B	C8101	B C 3B	IC1701	A C 4C	L6107	B C 3A
C1417	A C 3B	C3506	A C 2C	C4341	B C 1A	C7408	A C 1B	C8102	B C 2C	IC1702	A C 4C	L6108	B C 4A
C1418	A C 3B	C3507	A C 2C	C4342	B C 1A	C7411	A C 1C	C8103	B C 2C	IC3001	A C 3C	L6109	B C 4C
C1419	A C 3B	C3508	A C 2C	C4343	B C 1A	C7413	A C 1C	C8104	B C 2C	IC3002	A C 3B	L7401	A C 1B
C1420	A C 3B	C3509	A C 2C	C4344	B C 1A	C7414	A C 1B	C8105	B C 2C	IC3003	A C 3B	L7402	A C 2B
C1601	B C 3C	C3510	A C 2C	C4345	B C 1B	C7415	A C 2B	C8106	B C 2C	IC3004	A C 2B	L7403	A C 2B
C1602	B C 4B	C3511	A C 2C	C4346	B C 1B	C7416	A C 2B	C8107	B C 2C	IC3005	A C 2C	L7404	A C 1B
C1603	B C 4B	C3512	A C 3C	C4347	B C 1B	C7417	A C 2B	C8108	B C 2C	IC3006	A C 4B	L7405	A C 2B
C1605	B C 4B	C3513	A C 3C	C4348	B C 1B	C7418	A C 2B	C8109	B C 2C	IC3501	A C 2C	L7701	B C 4A
C1606	B C 4B	C3514	A C 3C	C4349	B C 1A	C7419	A C 2B	C8110	B C 2C	IC3701	B C 2A	L7801	A C 2A
C1607	B C 3B	C3515	A C 3C	C4350	B C 1A	C7420	A C 2B	C8111	B C 2C	IC3701	B C 2A	L7802	A C 2A
C1614	B C 3C	C3516	A C 3C	C5501	A C 1A	C7421	A C 1B	C8112	B C 2C	IC4201	B C 1A	L7803	A C 3A
C1618	B C 3C	C3517	A C 2B	C5503	A C 1A	C7422	A C 1B	C8113	B C 2C	IC4202	B C 1A	L7804	A C 2A
C1619	B C 3C	C3518	A C 2B	C5504	A C 1A	C7423	A C 1B	C8114	B C 2C	IC4301	B C 1A	L7805	A C 2A
C1620	B C 3C	C3519	A C 2B	C5505	A C 1A	C7424	A C 1B	C8115	B C 2C	IC4302	B C 2A	L8001	A C 2B
C1621	B C 3C	C3520	A C 2B	C5506	A C 1A	C7425	A C 1B	C8116	B C 2C	IC4303	B C 3A	L8002	B C 3B
C1622	B C 3B	C3521	A C 2B	C5507	A C 1A	C7426	A C 2B	C8117	B C 2C	IC4304	A C 4A	L8003	B C 3A
C1623	B C 3B	C3522	A C 2B	C5508	A C 1A	C7427	A C 1B	C8118	B C 2C	IC5501	A C 1A	L8005	B C 3A
C1624	B C 3B	C3523	A C 2B	C5509	A C 1B	C7429	A C 2B	C8119	B C 2C	IC6001	A C 4A	L8006	B C 3A
C1625	B C 3B	C3524	A C 2B	C5510	A C 2A	C7430	A C 2B	C8120	B C 2C	IC6002	A C 4A	L8007	B C 3B
C1626	B C 3B	C3525	A C 2B	C5511	A C 1A	C7431	A C 2B	C8121	B C 2C	IC6003	A C 4A	L8008	B C 2B
C1627	B C 4C	C3526	A C 2C	C5512	A C 1A	C7432	A C 1B	C8122	B C 2C	IC6004	A C 4A	L8010	B C 2B
C1628	B C 3B	C3527	A C 2B	C5513	A C 1A	C7433	A C 1B	C8123	B C 2C	IC6101	B C 4C	L8011	B C 1B
C1632	B C 3C	C3701	B C 2A	C5514	A C 1A	C7434	A C 1B	C8124	B C 2C	IC7402	A C 2B	L8101	B C 3B
C1633	B C 3C	C3702	B C 2A	C5515	A C 1A	C7701	A C 2A	C8125	B C 3C	IC7801	A C 2A	L8102	B C 2C
C1635	B C 3B	C3703	B C 2A	C5516	A C 1A	C7702	B C 4A	C8126	B C 2C	IC7802	A C 2A	L8401	B C 3B
C1641	B C 4C	C3704	B C 2A	C5517	A C 1A	C7801	A C 2B	C8401	B C 3B	IC7804	A C 3A	L8402	B C 3B
C1642	B C 3C	C3705	B C 2A	C5518	A C 1A	C7802	A C 3A	C8402	B C 3A	IC8001	B C 2B	TRANSISTOR	
C1701	A C 4C	C3706	B C 2A	C5519	A C 1A	C7803	A C 3A	C8403	B C 3A	IC8002	B C 1B	Q1001	B C 1C
C1702	A C 4C	C3707	B C 2A	C6001	A C 4B	C7804	A C 3A	C8404	B C 3B	IC8003	B C 3B	Q1002	B C 1C
C2701	A C 4A	C3708	B C 2A	C6002	A C 4A	C7805	A C 3A	C8405	B C 3B	IC8004	B C 3A	Q1003	A C 1C
C2907	A C 1B	C3709	B C 2A	C6003	A C 4A	C7806	A C 3A	C8406	B C 3B	IC8005	B C 2C	Q1004	A C 1C
C3001	A C 4C	C3710	B C 2A	C6004	A C 4A	C7807	A C 3A	C8408	B C 3B	IC8006	B C 3B	Q1006	A C 1C
C3003	A C 4C	C3711	B C 2A	C6005	A C 4A	C7808	A C 3A	CONNECTOR				Q1007	A C 1C
C3004	A C 4C	C3712	B C 2A	C6006	A C 4A	C7809	A C 3A	CN101	A C 2C	IC8008	B C 2B	Q1401	A C 3A
C3005	A C 4C	C3713	B C 2A	C6007	A C 4A	C7810	A C 3A	CN102	B C 1C	IC8009	B C 2B	Q1402	A C 4B
C3007	A C 3C	C4201	B C 1A	C6008	A C 4A	C7811	A C 3A	CN103	A C 1C	IC8010	B C 2B	Q1403	A C 4B
C3008	A C 4B	C4202	B C 1A	C6009	B C 3C	C7812	A C 3A	CN104	B C 3C	IC8011	B C 2B	Q1601	B C 3C
C3011	A C 3B	C4203	B C 1A	C6101	B C 4A	C7813	A C 3A	CN105	B C 4C	IC8012	B C 2C	Q2701	A C 3A
C3012	A C 3B	C4204	B C 1A	C6102	B C 4B	C7814	A C 3A	CN106	A C 4B	IC8101	B C 2C	Q2702	A C 4A
C3013	A C 3B	C4205	B C 1A	C6103	B C 4B	C7815	A C 3A	CN107	A C 4A	IC8102	B C 3B	Q3701	B C 2A
C3015	A C 3B	C4206	B C 1A	C6104	B C 4B	C7816	A C 3A	CN108	A C 4A	IC8103	B C 2C	Q3702	B C 2A
C3016	A C 3B	C4207	B C 1A	C6105	B C 4B	C7817	A C 3A	CN109	A C 4B	IC8401	B C 3A	Q4301	B C 1A
C3017	A C 3B	C4208	B C 1A	C6106	B C 4B	C7818	A C 2A	CN110	A C 1C	IC8402	A C 4B	Q4303	B C 1A
C3020	A C 3B	C4209	B C 1A	C6107	B C 4B	C7819	A C 3A	CN111	A C 1B				

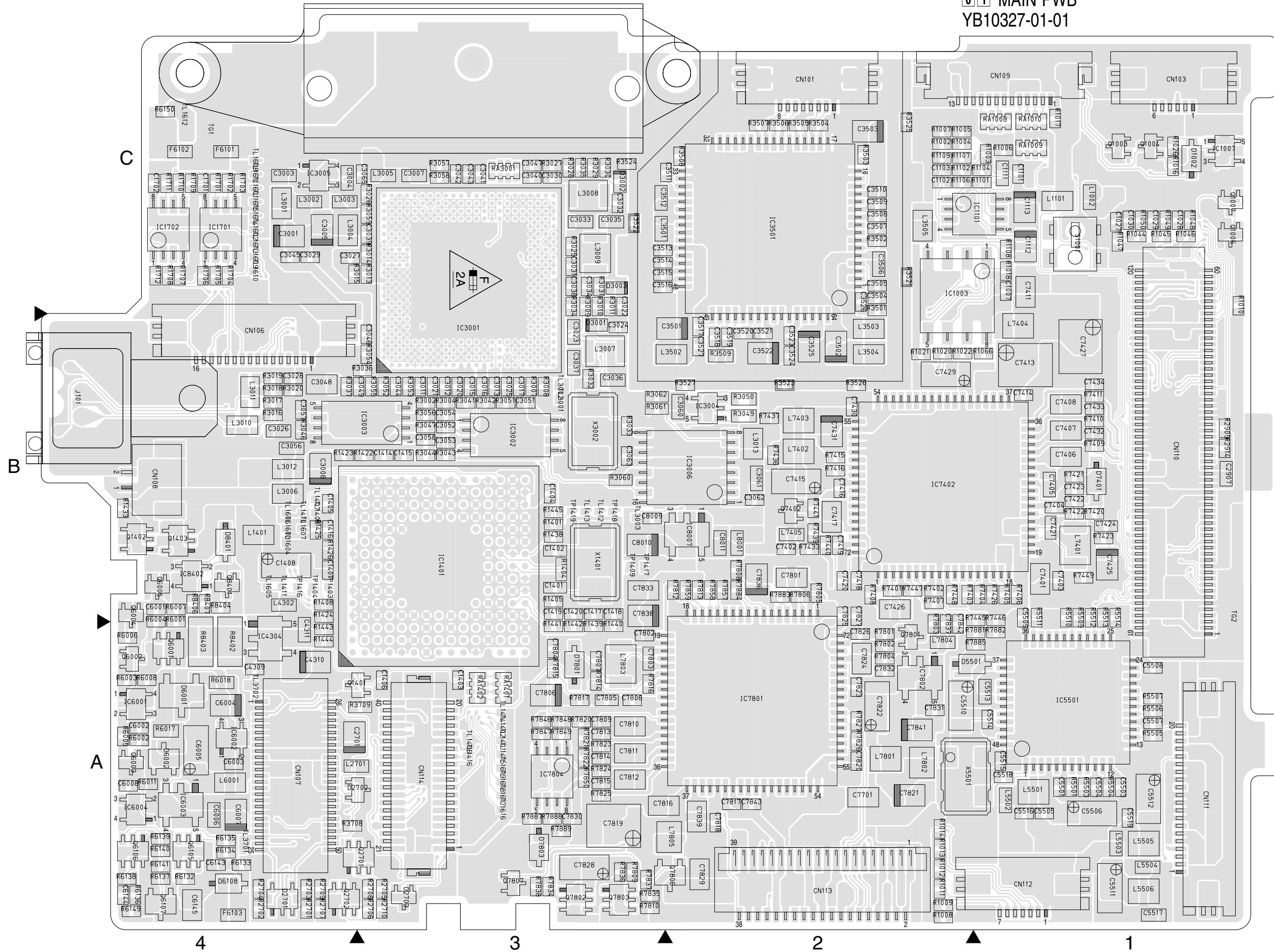


• CAUTION:
FOR CONTINUED PROTECTION AGAINST
FIRE HAZARD, REPLACE ONLY WITH SAME
TYPE AND RATED FUSE(S).

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

COMPONENT SIDE(A)

01 MAIN PWB
YB10327-01-01



4

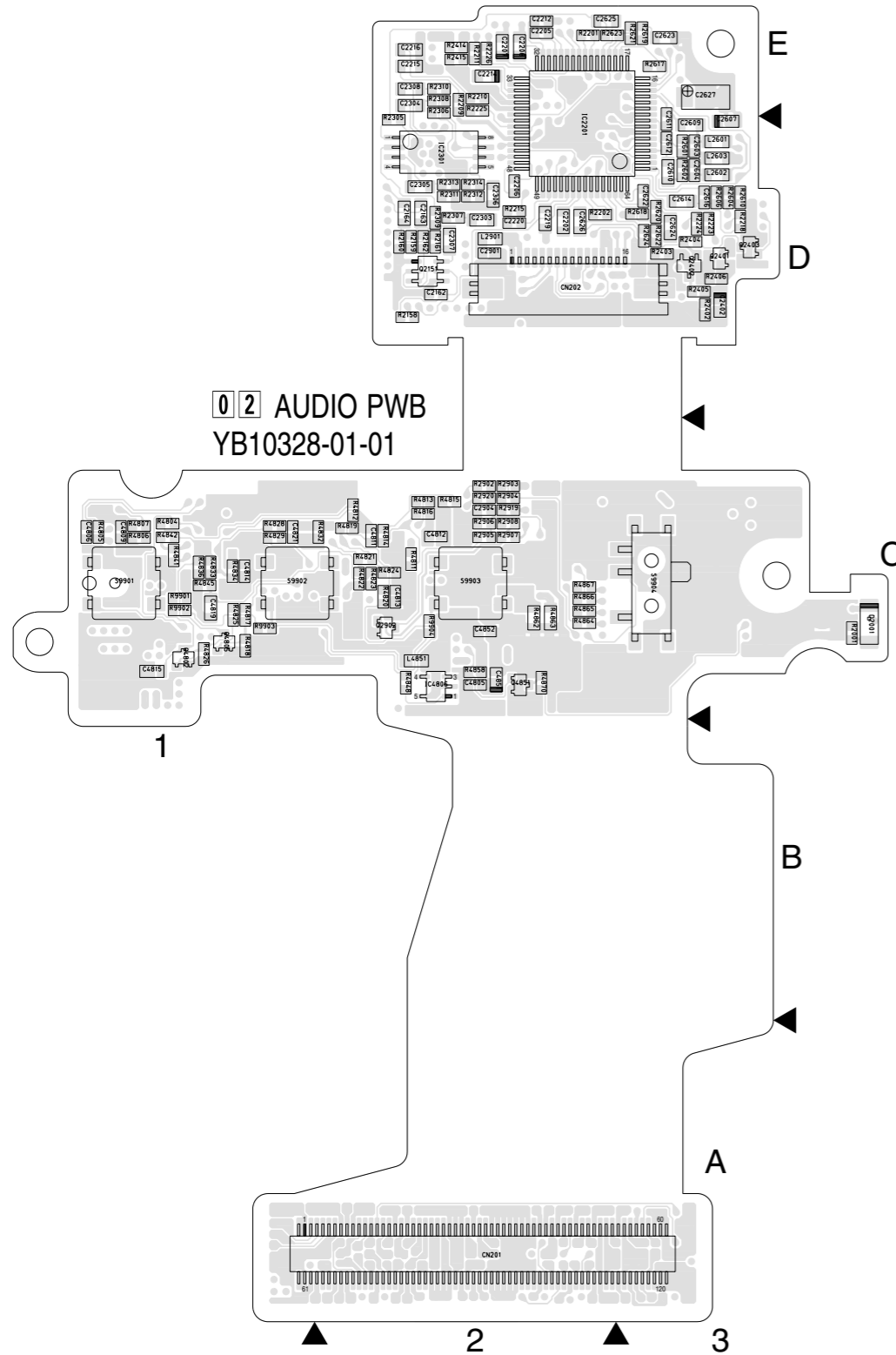
3

2

1

4.27 AUDIO CIRCUIT BOARD

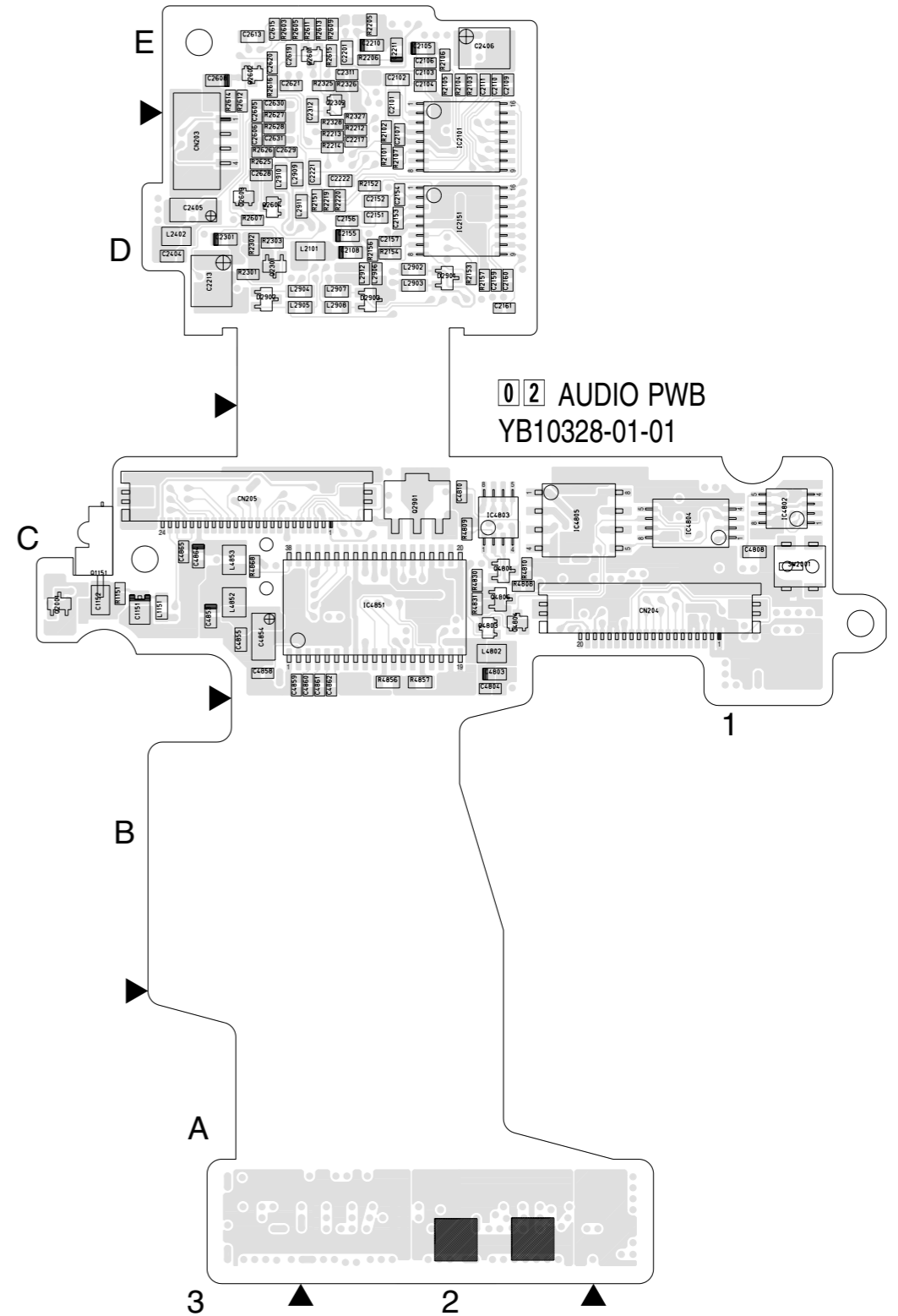
FOIL SIDE(B)



COMPONENT PARTS LOCATION GUIDE <AUDIO>

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR							
C1151	A C C	C2901	B C 2D	Q2602	A C 3E	R2612	A C 3E
C1152	A C C	C2904	B C 2C	Q2603	A C 3D	R2613	A C 2E
C2101	A C C	C4803	A C 2C	Q2604	A C 3D	R2614	A C 3E
C2102	A C C	C4804	A C 2C	Q2901	A C 2C	R2615	A C 2E
C2103	A C C	C4805	B C 2C	Q2902	B C 2C	R2616	A C 3E
C2104	A C C	C4806	B C 1C	Q4801	A C 2C	R2617	B C 3E
C2105	A C C	C4808	A C 1C	Q4802	B C 1C	R2618	B C 3D
C2106	A C C	C4809	B C 1C	Q4803	A C 2C	R2619	B C 3E
C2107	A C C	C4810	A C 2C	Q4804	A C 2C	R2620	B C 3D
C2108	A C C	C4811	B C 2C	Q4805	B C 1C	R2621	B C 3E
C2109	A C C	C4812	B C 2C	Q4806	A C 2C	R2622	B C 3D
C2110	A C C	C4813	B C 2C	Q4851	B C 2C	R2623	B C 2E
C2111	A C C	C4814	B C 1C			R2624	B C 3D
C2151	A C C	C4815	B C 1C			R2625	A C C 3D
C2152	A C C	C4819	B C 1C	RESISTOR		R2626	A C C 3D
C2153	A C C	C4821	B C 1C	R1151	A C 3C	R2627	A C C 3D
C2154	A C C	C4851	B C 2C	R2001	B C 3C	R2628	A C C 3D
C2155	A C C	C4852	B C 2C	R2101	A C 2D	R2902	B C 2C
C2156	A C C	C4853	A C 3C	R2102	A C 2D	R2903	B C 2C
C2157	A C C	C4854	A C 3C	R2103	A C 2E	R2904	B C 2C
C2159	A C C	C4855	A C 3C	R2104	A C 2E	R2905	B C 2C
C2160	A C C	C4859	A C 3C	R2105	A C 2E	R2906	B C 2C
C2161	B C C	C4860	A C 2C	R2106	A C 2E	R2907	B C 2C
C2162	B C C	C4861	A C 2C	R2107	A C 2D	R2908	B C 2C
C2163	B C C	C4862	A C 2C	R2151	A C 2D	R2919	B C C 2C
C2164	B C C	C4864	A C 3C	R2152	A C 2D	R2920	B C C 2C
C2201	A C C	C4865	A C 3C	R2153	A C 2D	R4804	B C C 1C
C2202	B C C			R2154	A C 2D	R4805	B C C 1C
C2205	B C C	CONNECTOR		R2155	A C 2D	R4806	B C C 1C
C2206	B C C	CN201	B C 1A	R2157	B C 2D	R4807	B C C 1C
C2207	B C C	CN202	B C 2D	R2158	B C 2D	R4808	A C C 2C
C2208	B C C	CN203	A C 3D	R2159	B C 2D	R4809	A C C 2C
C2210	A C C	CN204	A C 1C	R2160	B C 2D	R4810	A C C 2C
C2211	A C C	CN205	A C 2C	R2161	B C 2D	R4811	B C C 2C
C2212	B C C			R2162	B C 2D	R4812	B C C 2C
C2213	A C C	DIODE		R2201	B C 2E	R4813	B C C 2C
C2214	B C C	D2001	B C 3C	R2202	B C 2D	R4814	B C C 2C
C2215	B C C	D2901	A C 2D	R2205	A C C 2E	R4815	B C C 2C
C2216	B C C	D2902	A C 3D	R2206	B C 2E	R4816	B C C 2C
C2217	B C C	D2903	A C 2D	R2210	B C C 2E	R4817	B C C 1C
C2219	B C C			R2211	B C C 2E	R4818	B C C 1C
C2220	A C C	IC		R2212	A C 2D	R4819	B C C 2C
C2221	A C C	IC2101	A C 2D	R2213	A C 2D	R4820	B C C 2C
C2222	A C C	IC2151	A C 2D	R2214	A C 2D	R4821	B C C 2C
C2301	A C C	IC2201	B C 2D	R2215	B C 2D	R4822	B C C 2C
C2303	B C C	IC2301	B C 2D	R2218	B C C 3D	R4823	B C C 2C
C2304	B C C	IC4802	A C 1C	R2219	A C 2D	R4824	B C C 2C
C2305	B C C	IC4803	A C 2C	R2220	A C 2D	R4825	B C C 1C
C2306	B C C	IC4804	A C 1C	R2223	B C C 3D	R4826	B C C 1C
C2307	B C C	IC4805	A C 2C	R2224	B C C 3D	R4828	B C C 1C
C2308	B C C	IC4806	B C 2C	R2225	B C C 2E	R4829	B C C 1C
C2311	A C C	IC4851	A C 2C	R2226	B C 2E	R4830	A C C 2C
C2312	A C C			R2301	A C 3D	R4831	A C C 2C
C2402	A C C	COIL		R2302	A C 3D	R4832	B C C 2C
C2404	A C C	L1151	A C 3C	R2303	A C 3D	R4833	B C C 1C
C2405	A C C	L2101	A C 2D	R2305	B C 2D	R4834	B C C 1C
C2406	A C C	L2402	A C 3D	R2306	B C 2E	R4836	B C C 1C
C2603	B C C	L2601	B C 3D	R2307	B C 2D	R4841	B C C 1C
C2604	B C C	L2602	B C 3D	R2308	B C 2E	R4842	B C C 1C
C2605	A C C	L2603	B C 3D	R2309	B C 2D	R4845	B C C 1C
C2606	A C C	L2901	B C 2D	R2310	B C 2E	R4848	B C C 2C
C2607	A C C	L2902	A C 2D	R2311	B C 2D	R4856	A C C 2C
C2608	A C C	L2903	A C 2D	R2312	B C 2D	R4857	A C C 2C
C2610	B C C	L2904	A C 3D	R2313	B C 2D	R4858	B C C 2C
C2611	B C C	L2905	A C 3D	R2314	B C 2D	R4862	B C C 2C
C2612	B C C	L2906	A C 2D	R2325	A C 2E	R4863	B C C 2C
C2613	B C C	L2907	A C 2D	R2326	A C 2E	R4864	B C C 2C
C2614	B C C	L2908	A C 2D	R2327	A C 2D	R4865	B C C 2C
C2615	A C C	L2909	A C 3D	R2328	A C 2D	R4866	B C C 2C
C2616	B C C	L2910	A C 3D	R2402	B C 3D	R4867	B C C 2C
C2619	A C C	L2911	A C 2D	R2403	B C 3D	R4870	B C C 1C
C2620	A C C	L2912	A C 2D	R2404	B C 3D	R9901	B C C 1C
C2621	A C C	L4802	A C 2C	R2405	B C 3D	R9902	B C C 1C
C2622	B C C	L4851	B C 2C	R2406	B C 3D	R9903	B C C 1C
C2623	B C C	L4852	A C 3C	R2414	B C 2E	R9904	B C C 2C
C2624	B C C	L4853	A C 3C	R2415	B C 2E		
C2625	B C C			R2601	B C 3D	OTHER	
C2626	B C C	TRANSISTOR		R2602	B C 3D	J1	A C 1E
C2627	B C C	Q1151	A C 3C	R2603	A C 3E	J2	A C 1E
C2628	A C C	Q2001	A C 3C	R2604	B C 3D	S7001	A C 1E
C2629	A C C	Q2151	B C 2D	R2605	A C 2D	S9901	B C C 1C
C2630	A C C	Q2301	A C 3D	R2606	B C 3D	S9902	B C C 1C
C2631	A C C	Q2302	A C 2E	R2607	A C 3D	S9903	B C C 2C
		Q2401	B C 3D	R2609	A C 2E		
		Q2402	B C 3D	R2610	B C 3D		
		Q2403	B C 3D	R2611	A C 2E		
		Q2601	A C 2E				

COMPONENT SIDE(A)



4.31 VOLTAGE CHARTS

<REG CON>

MODE PIN NO.	REC	PLAY
IC6001		
1	6.8	6.8
2	6.5	6.6
3	0	0
4	0	0
IC6002		
1	0	0
2	6.8	6.8
3	0	3.3
4	0	0
IC6003		
1	6.8	6.8
2	0	0
3	6.8	6.8
4	0	0
5	3.0	3.0
IC6004		
1	3.0	3.0
2	3.0	3.0
3	0	0
4	0	0
Q2701		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q2702		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q6001		
1(D)	0	6.8
2(D)	0	6.8
3(G)	0	0
4(S)	6.8	6.8
5(D)	6.8	6.8
6(D)	6.8	6.8
Q6002		
D	0	0
S	0	0
G	6.8	6.8
Q6003		
D	0	0
S	0	0
G	3.1	3.1
Q6004		
D	6.5	6.5
S	0	0
G	0	0
Q6005		
E	0	0
C	0	0
B	3.0	3.0

<REG>

MODE PIN NO.	REC	PLAY
IC6101		
1	2.2	2.2
2	1.2	1.2
3	2.2	2.2
4	0	0
5	6.8	6.8
6	1.0	1.0
7	1.3	1.3
8	2.2	2.2
9	0	0
10	0	0
11	0.8	0.8
12	1.0	1.0
13	1.0	1.0
14	0.7	0.7
15	0	0
16	0	0
17	0.6	0.6
18	1.0	1.0
19	1.1	1.1
20	1.0	1.0
21	1.0	1.0
22	0.9	0.9
23	1.0	1.0
24	1.0	1.0
25	1.0	1.0
26	0.9	0.9
27	0	0
28	1.0	1.0
29	0	0
30	2.4	2.4
31	0.7	0.7
32	0.7	0.7
33	6.8	6.8
34	6.8	6.8
35	3.0	3.0
36	3.0	3.0
37	0	0
38	4.4	4.4
39	0	0
40	0	0
41	0	0
42	0	0
43	0	0
44	0	0
45	0	0
46	0	0
47	0	0
48	2.2	2.2
Q6101		
1	3.6	3.4
2	6.8	6.8
3	4.8	4.8
4	1.8	1.8
5	0	0
6	3.0	3.0
Q6102		
1(D)	4.4	4.4
2(D)	6.8	6.8
3(G)	5.8	5.8
4(S)	0.9	0.9
5(D)	6.8	6.8
6(D)	2.6	2.6

MODE PIN NO.	REC	PLAY
Q6103		
1(D)	1.9	1.9
2(D)	6.8	6.8
3(G)	2.7	2.0
4(S)	0	1.2
5(D)	6.8	6.8
6(D)	4.8	4.8
Q6104		
E	-15.5	-16.2
C	-6.6	-7.0
B	-15.0	-15.8
Q6105		
1(D)	-5.0	-5.0
2(D)	-4.8	-4.8
3(G)	-15.0	-15.0
4(S)	0	0
5(D)	0	0
6(D)	0	0
Q6106		
1(D)	4.3	4.3
2(D)	4.9	4.9
3(G)	15.2	15.2
4(S)	4.3	4.3
5(D)	4.8	4.8
6(D)	15.8	15.8
Q6107		
E	15.8	15.8
C	12.2	12.2
B	15.2	15.2

<AUDIO AD/DA>

MODE PIN NO.	REC	PLAY
IC2101		
1	1.3	0
2	0	0
3	1.4	0
4	0	0
5	3.0	3.0
6	3.0	3.1
7	0	0
8	0	0
9	1.4	1.3
10	1.5	1.5
11	1.4	1.4
12	0	1.5
13	3.0	0
14	0	3.1
15	2.0	1.4
16	1.9	1.3
IC2151		
1	0	0
2	0	0
3	1.2	-
4	0	0
5	3.0	3.0
6	0	3.0
7	0	0

MODE PIN NO.	REC	PLAY
8	0	0
9	0	0
10	1.5	1.5
11	1.6	1.6
12	1.5	1.5
13	0	0
14	0	0
15	0	0
16	0	0
Q2151		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0

<MAIN AUDIO>

MODE PIN NO.	REC	PLAY
IC2201		
1	1.4	0
2	1.4	0
3	1.4	0.5
4	1.4	0
5	1.4	0
6	1.4	1.6
7	0	0
8	2.1	2.3
9	2.1	2.3
10	0	0
11	1.4	1.6
12	1.4	1.0
13	1.4	1.6
14	1.4	0.5
15	1.4	0
16	0	0.5
17	1.4	1.6
18	1.4	1.6
19	1.4	1.0
20	1.4	0.8
21	1.4	0
22	2.6	2.9
23	1.4	0
24	1.4	0
25	2.5	2.1
26	1.0	0.5
27	2.2	0
28	2.2	2.2
29	2.4	2.2
30	2.2	2.2
31	2.2	2.2
32	2.2	2.2
33	4.8	4.8
34	4.7	4.7
35	0	0
36	2.4	2.4

MODE PIN NO.	REC	PLAY
37	4.7	4.7
38	2.2	2.2
39	1.8	1.8
40	0	0
41	3.1	3.1
42	0	0
43	0	2.2
44	0	3.0
45	1.4	1.6
46	0	0
47	2.4	0
48	2.2	2.6
49	1.4	0
50	1.4	1.6
51	1.4	1.6
52	1.6	0
53	1.6	0
54	0	3.1
55	0	0
56	2.4	0
57	1.4	0
58	1.4	0.5
59	2.6	2.9
60	0	0.5
61	1.4	0.7
62	1.4	0.8
63	1.4	1.6
64	1.4	1.6
IC2301		
1	2.3	2.3
2	2.3	2.3
3	2.3	2.3
4	0	0
5	2.3	2.3
6	2.3	2.3
7	2.3	2.3
8	4.6	4.6
Q2302		
E	1.3	1.3
C	4.6	4.6
B	1.9	1.9
Q2401		
E	2.6	3.0
C	4.8	4.8
B	3.3	3.6
Q2402		
E	4.8	0
C	4.8	4.8
B	4.1	4.1
Q2403		
E	0	0
C	0	0
B	3.1	3.0
Q2601		
E	0.8	1.0
C	2.6	3.0
B	1.4	1.4
Q2602		
E	0.8	0.9
C	2.6	3.0
B	1.4	1.6
Q2603	-	-
Q2604	-	-

MODE PIN NO.	REC	PLAY
Q2901		
E	6.7	6.7
C	0	0
B	6.7	6.7
Q2902		
E	0	0
C	6.7	6.7
B	0	0

<OPDRV>

MODE PIN NO.	REC	PLAY
IC4802		
1	2.5	2.5
2	2.2	2.2
3	0	2.2
4	0	0
5	2.1	2.1
6	2.2	2.2
7	0	2.2
8	4.8	4.8
IC4803		
1	1.0	1.0
2	0	0
3	0	0
4	0	0
5	2.1	2.2
6	2.1	2.2
7	0.6	3.3
8	4.8	4.8
IC4804		
1	0.7	0.7
2	2.3	2.3
3	2.3	2.3
4	0	0
5	2.2	2.2
6	1.7	1.7
7	4.0	4.0
8	4.8	4.8
IC4805	-	-
IC4806		
1	0.4	3.0
2	3.0	3.0
3	0	0
4	0	3.0
5	3.0	3.0
IC4851		
1	0	0
2	0.5	0
3	0	0.4
4	0.4	0
5	0	0.4
6	0	0
7	0	0
8	3.0	3.0
9	4.8	4.8
10	1.0	0
11	0	0

MODE PIN NO.	REC	PLAY
12	1.0	0
13	4.8	4.8
14	1.2	0
15	0	0
16	1.1	0
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	4.8	4.8
24	0	0
25	0	0
26	0	0
27	4.8	4.8
28	0	0
29	0	0
30	0	0
31	3	3
32	0	0
33	0	0
34	0	1.8
35	3.1	3.1
36	1.5	1.5
37	1.5	1.4
38	3.0	3.1
Q4801		
E	0	0
C	0	1.8
B	1.0	1.0
Q4802	-	-
Q4803		
E	0	0
C	4.8	4.8
B	0	0
Q4804		
E	0	4.8
C	1.6	3.0
B	4.8	4.8
Q4805		
E	0	0
C	4.0	4.0
B	0	0
Q4806	-	-
Q4851		
E	0	0
C	3.9	3.7
B	0	0

<MONITOR>

MODE PIN NO.	EE
Q7101	
1(E)	0
2(B)	3.0
3(C)	3.0
4(E)	3.0
5(B)	0
6(C)	0
Q7102	
E	-15.0
C	0
B	-14.4
Q7103	
1(E)	-15.0
2(B)	-15.0
3(C)	-14.4
4(E)	-9.9
5(B)	-14.5
6(C)	-9.9
Q7104	
1(E)	-15.0
2(B)	-15.0
3(C)	-14.4
4(E)	0
5(B)	-14.4
6(C)	-10.5

<CCD>

MODE PIN NO.	EE
Q5001	
E	8.4
C	12.1
B	9.1
Q5002	
E	0
C	6.6
B	0

4.33 VIDEO SYSTEM BLOCK DIAGRAM

