

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.

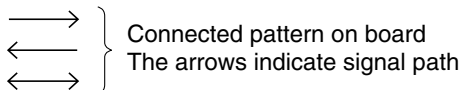
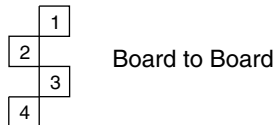
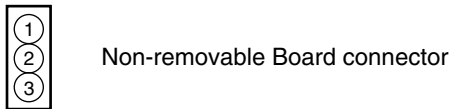
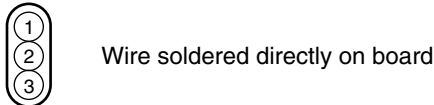
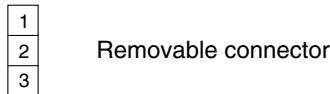
- 1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
Chip resistors are 1/16 W.
K: K Ω (1000 Ω), M: M Ω (1000K Ω)
- 2) All capacitance values are in μ F, (P: PF).
- 3) All inductance values are in μ H, (m: mH).
- 4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

2. Indications of control voltage

AUX : Active at high.

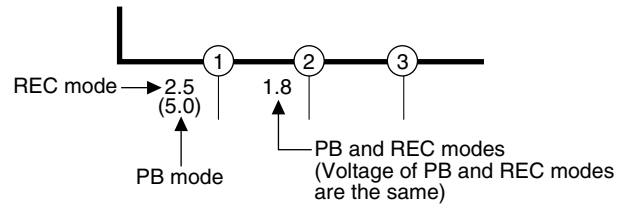
$\overline{\text{AUX}}$ or AUX(L) : Active at low.

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.

- Playback signal path
- Playback and recording signal path
- Recording signal path (including E-E signal path)
- Capstan servo path
- Drum servo path

(Example)

- R-Y Playback R-Y signal path
- Y Recording Y signal path

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.



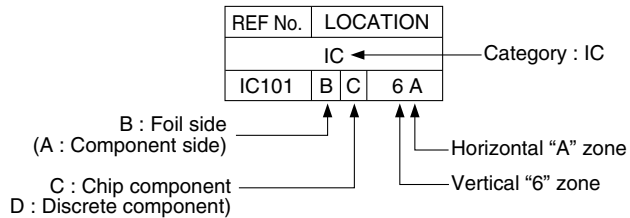
CIRCUIT BOARD NOTES

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

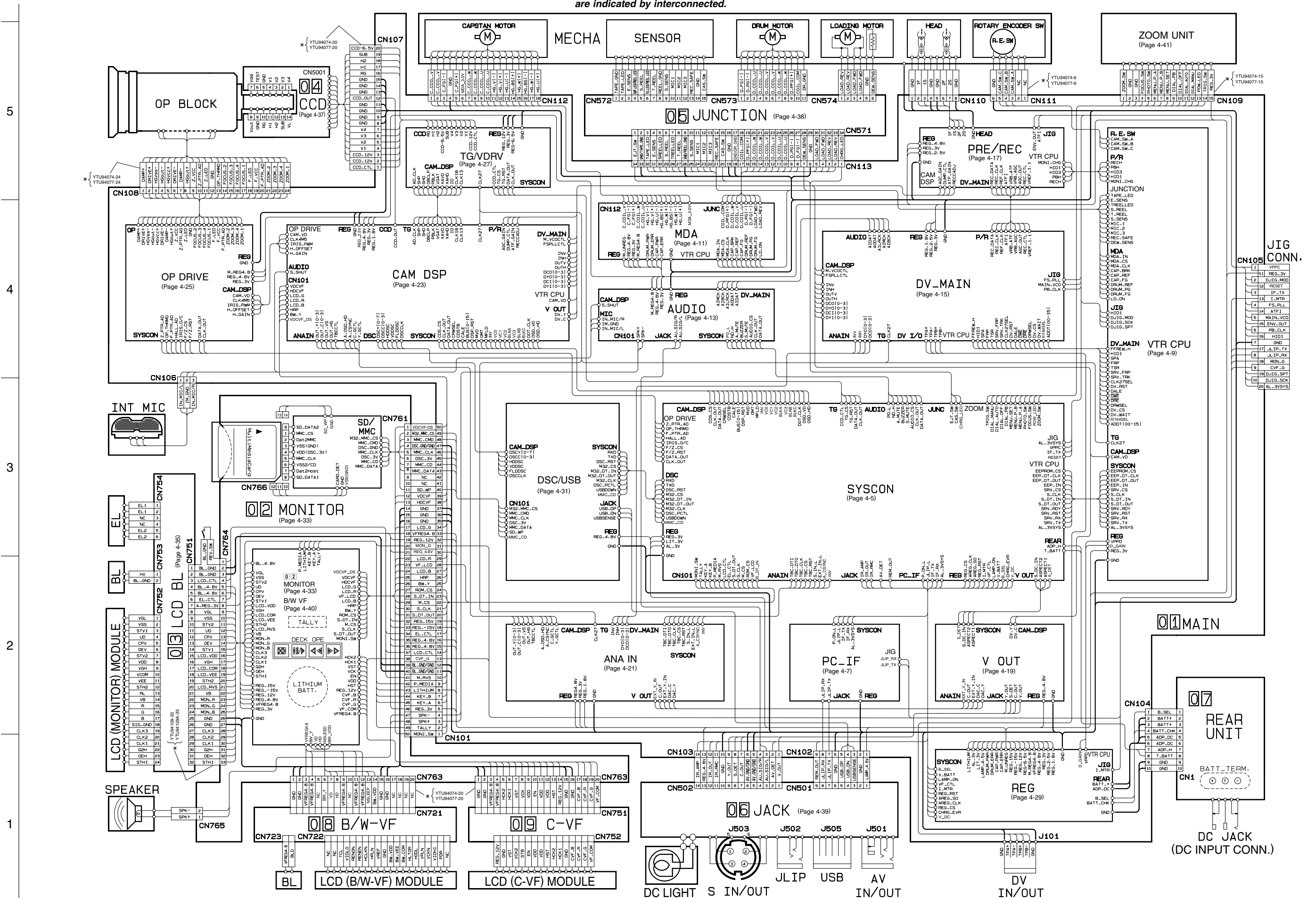
Parts location are indicated by guide scale on the circuit board.



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

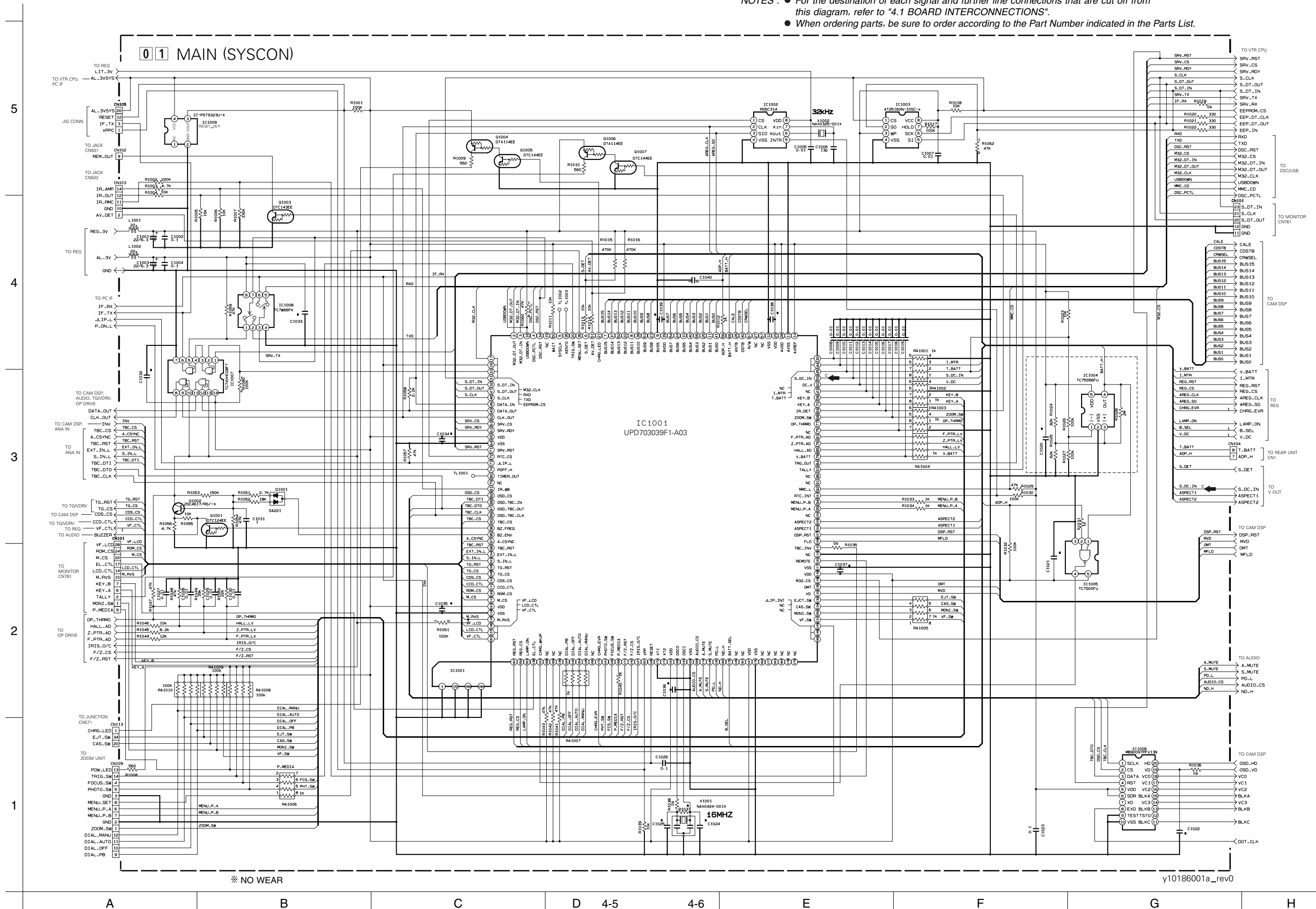
4.1 BOARD INTERCONNECTIONS

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



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.

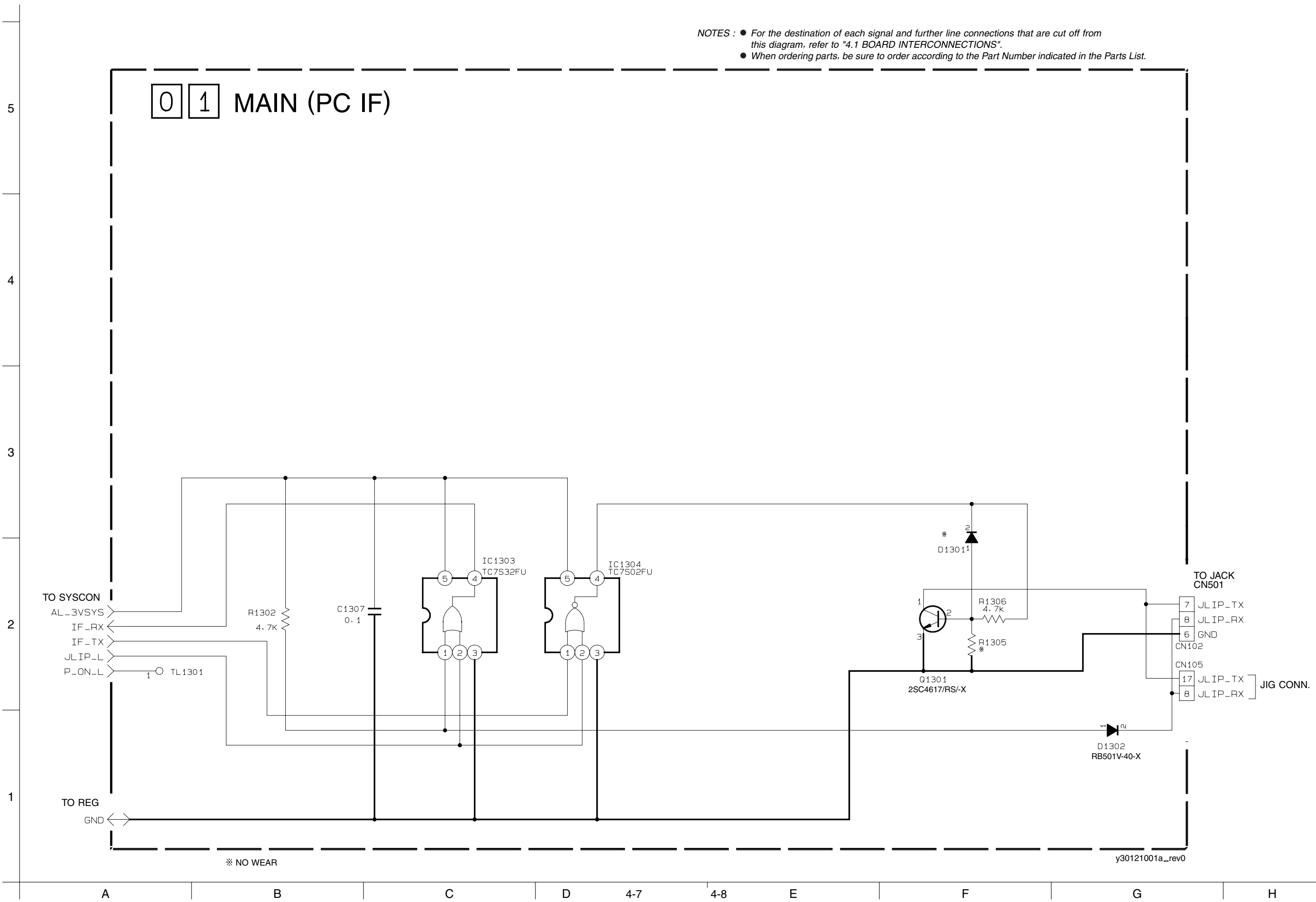


※ NO WEAR

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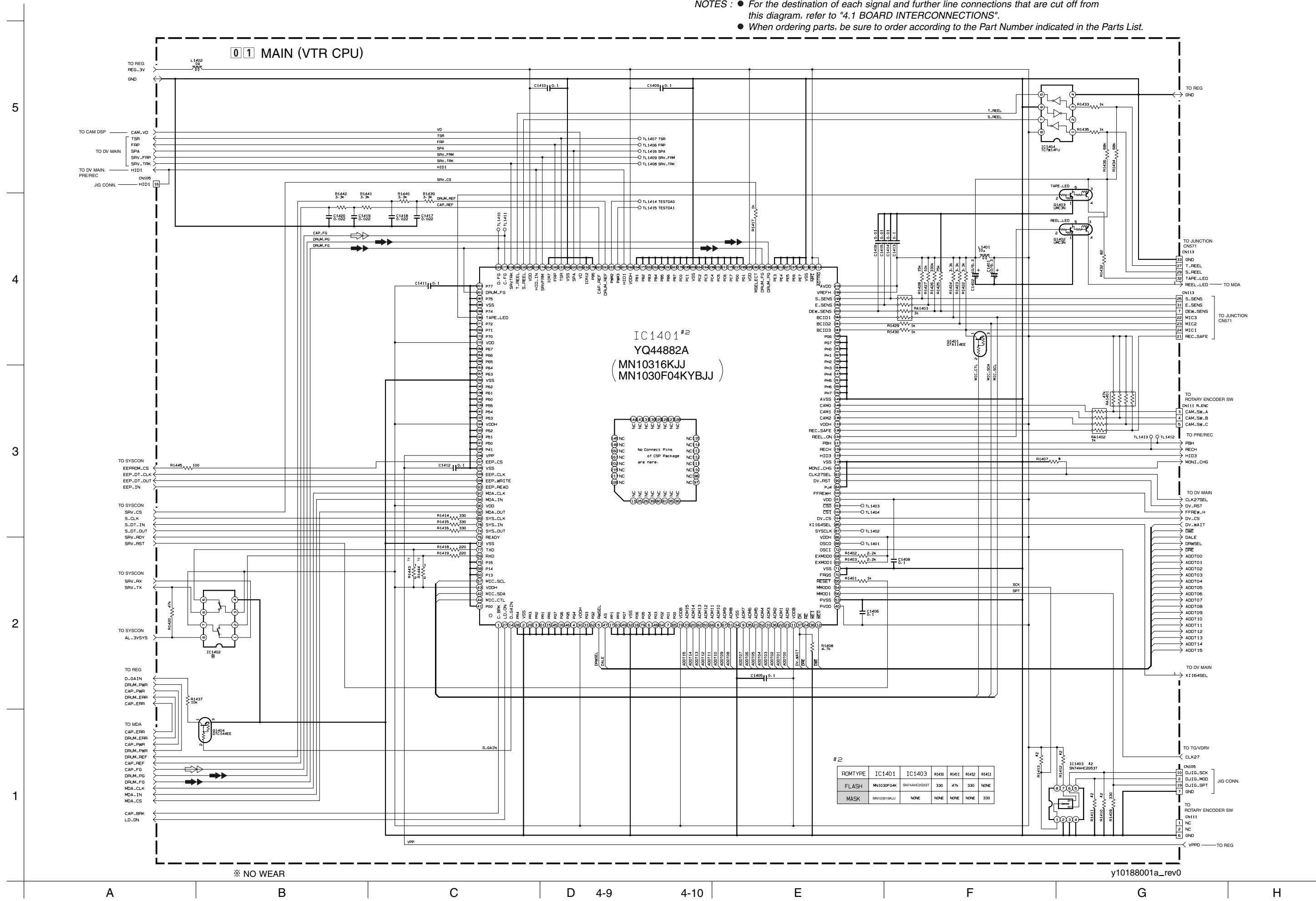
4.3 PC IF SCHEMATIC DIAGRAM

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.



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.

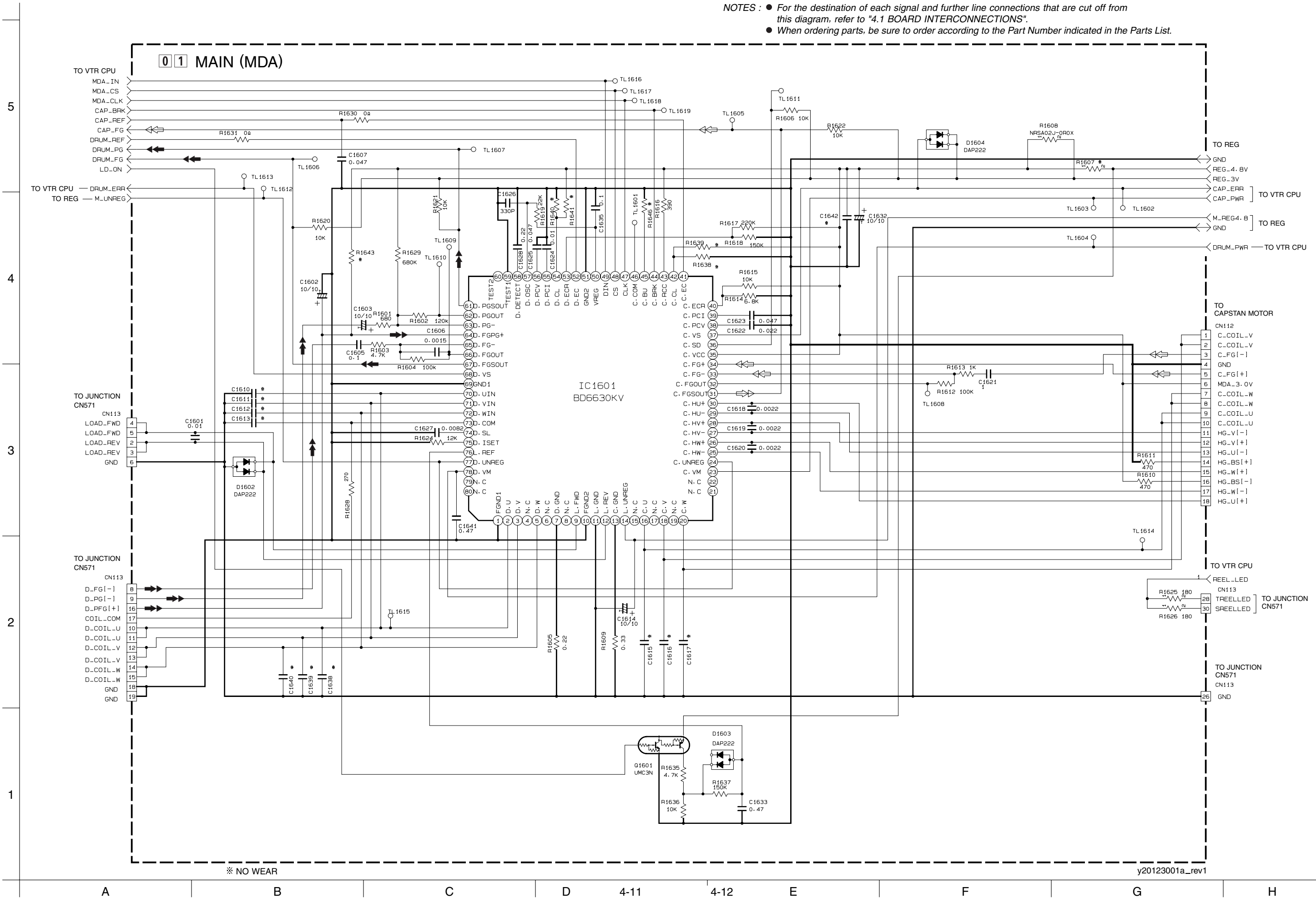


* NO WEAR

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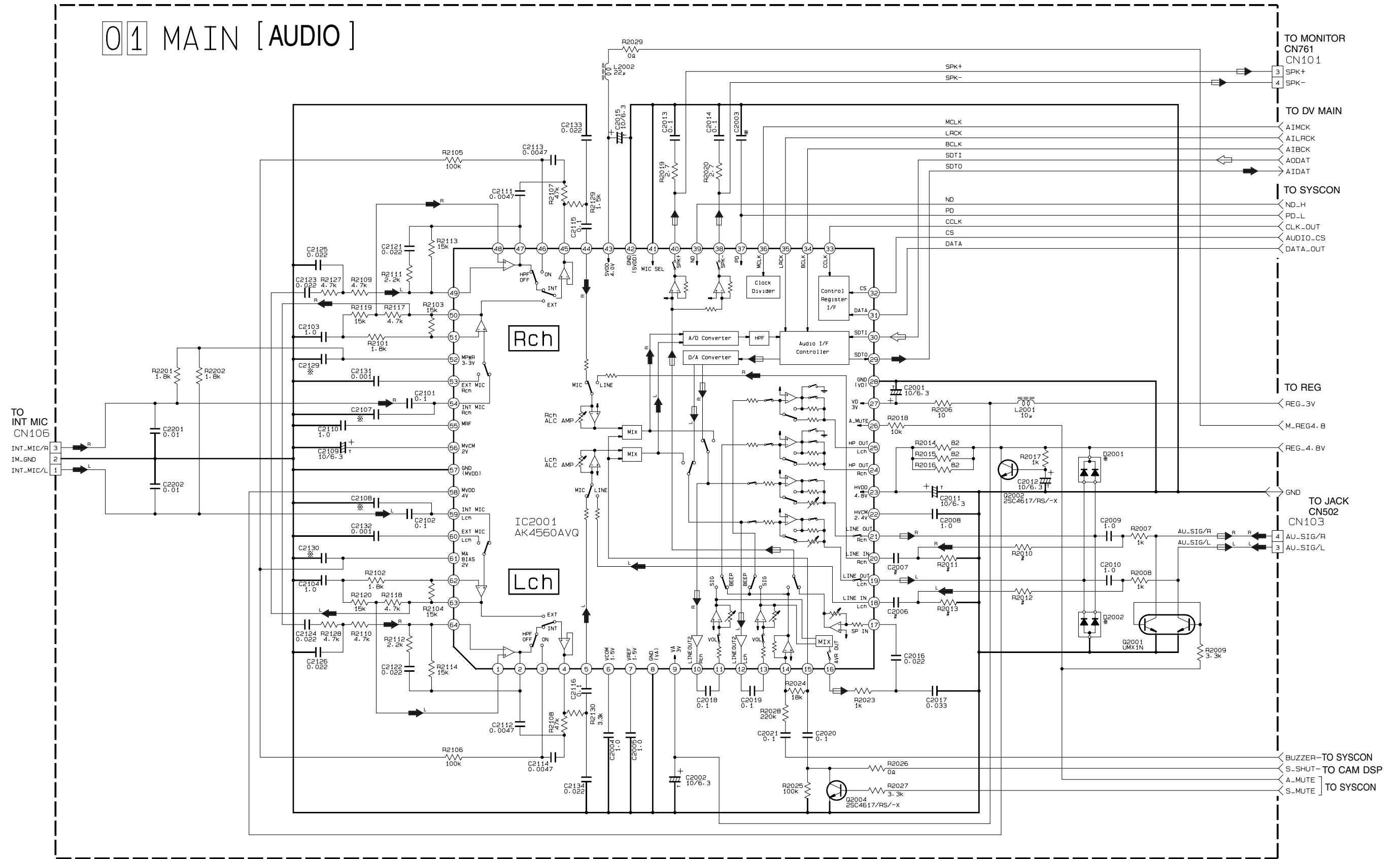
4.5 MDA SCHEMATIC DIAGRAM

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.



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

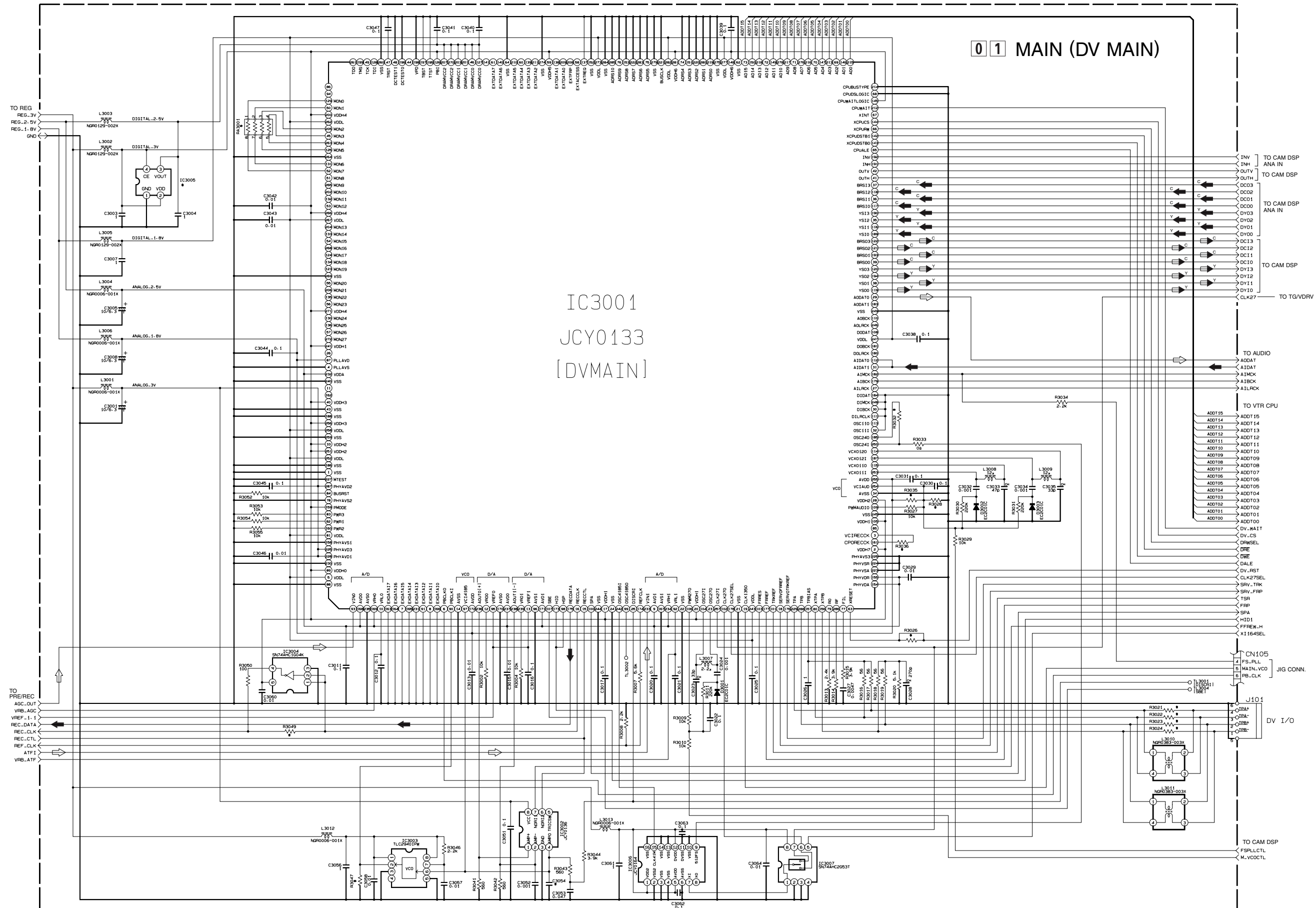
| | ANALOG IN | |
|-------|-----------|------|
| | YES | NO |
| R2010 | 27k | ※ |
| R2011 | 22k | 0.0 |
| R2012 | 27k | ※ |
| R2013 | 22k | 0.0 |
| C2006 | 0.1 | 0.01 |
| C2007 | 0.1 | 0.01 |

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4.7 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.

5
4
3
2
1



IC3001
JCY0133
[DVMAIN]

01 MAIN (DV MAIN)

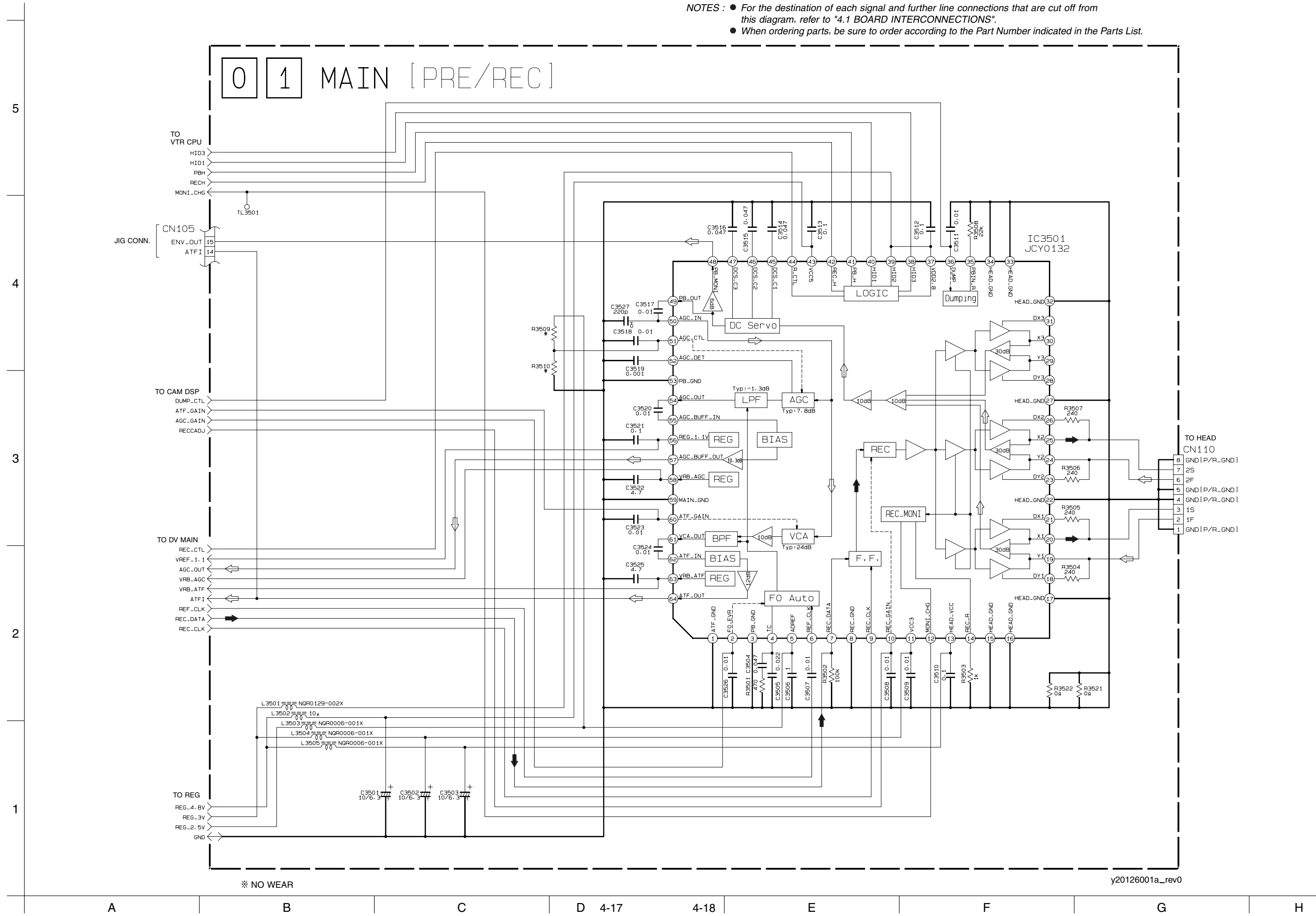
※ NO WEAR

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

4.8 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.

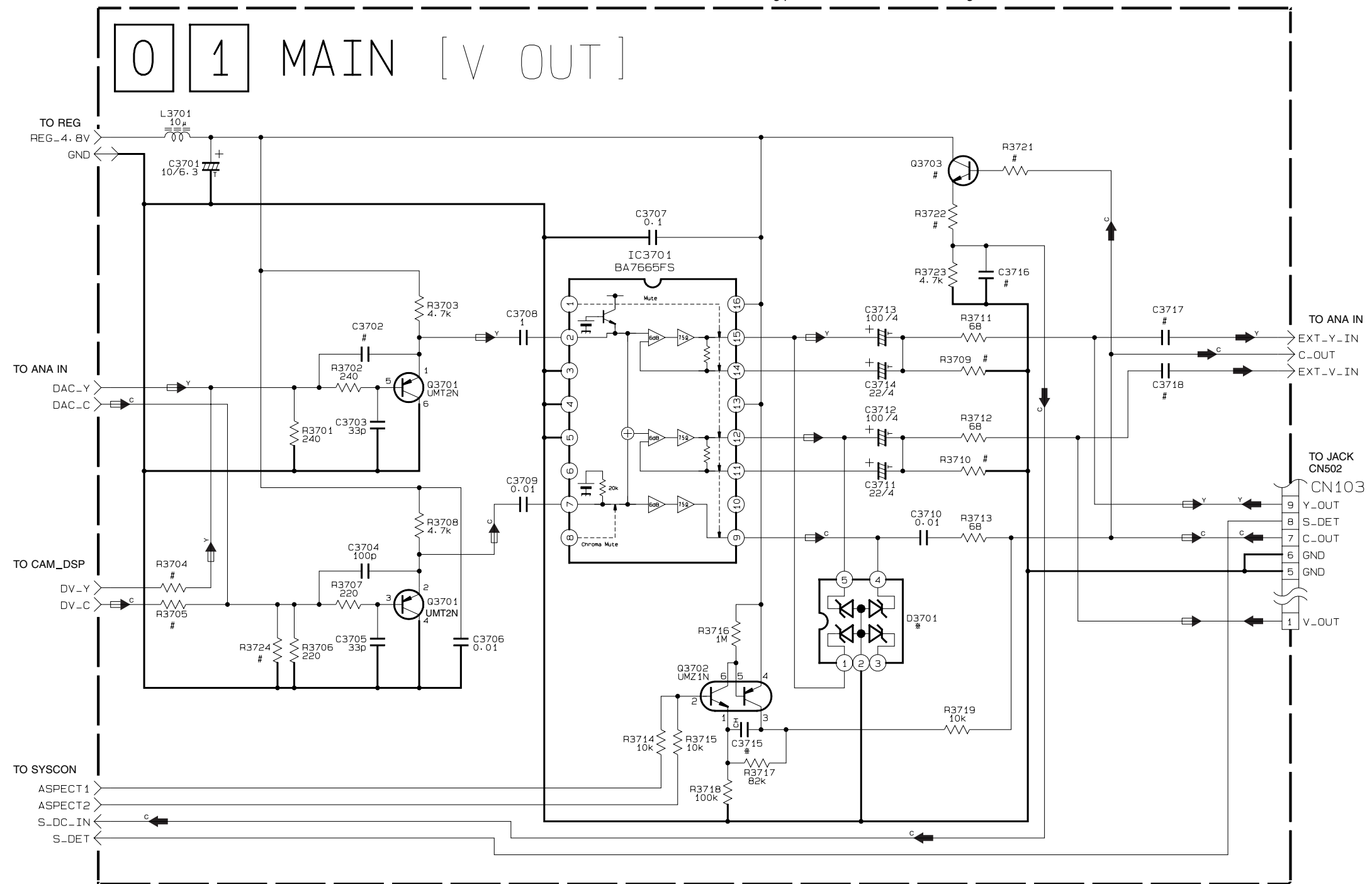


※ NO WEAR

y20126001a_rev0

4.9 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 LIST

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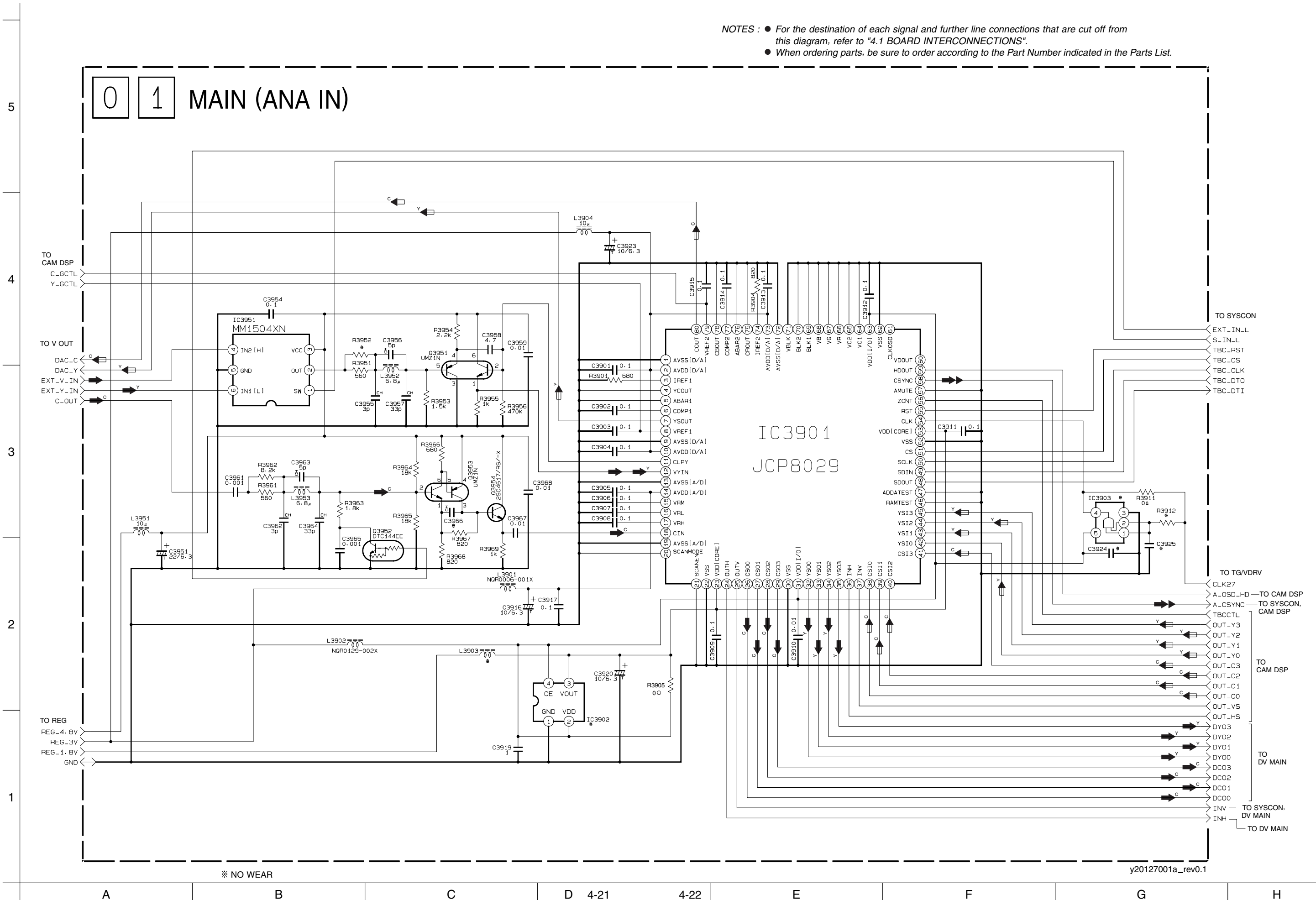
| | With ANALOG INPUT | Without ANALOG INPUT |
|-------|-------------------|----------------------|
| Q3703 | 2SC4617/RS/-X | * |
| R3704 | * | 0Ω |
| R3705 | * | 0Ω |
| R3709 | 100k | * |
| R3710 | 100k | * |
| R3721 | 100 | * |
| R3722 | 4.7k | * |
| R3724 | * | 3.9k |
| C3702 | 100p | 150p |
| C3716 | 0.01 | * |
| C3717 | 1 | * |
| C3718 | 1 | * |

5
4
3
2
1

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

4.10 ANA IN SCHEMATIC DIAGRAM [GR-DVL557EG]

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.

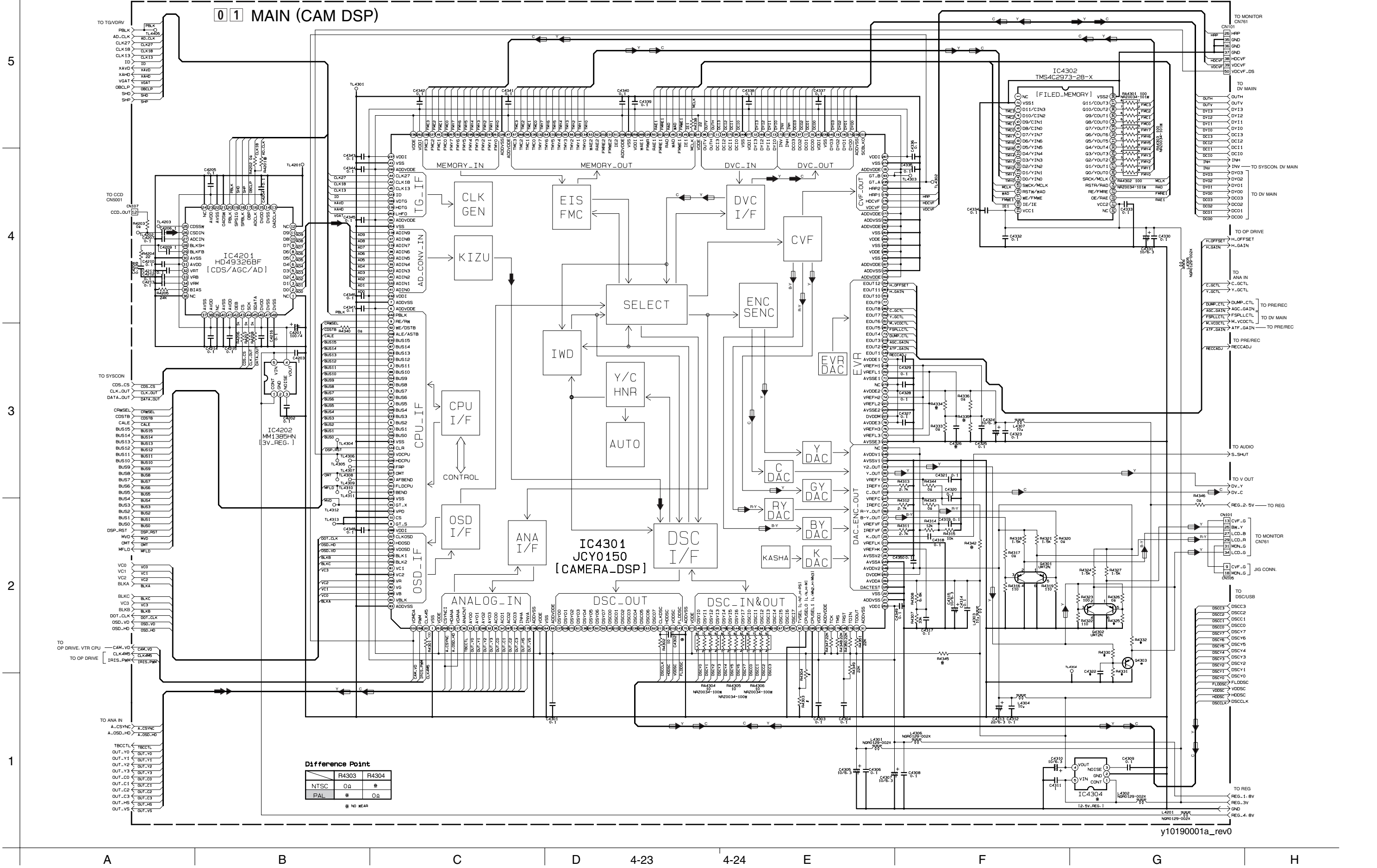


※ NO WEAR

y20127001a_rev0.1

4.11 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.



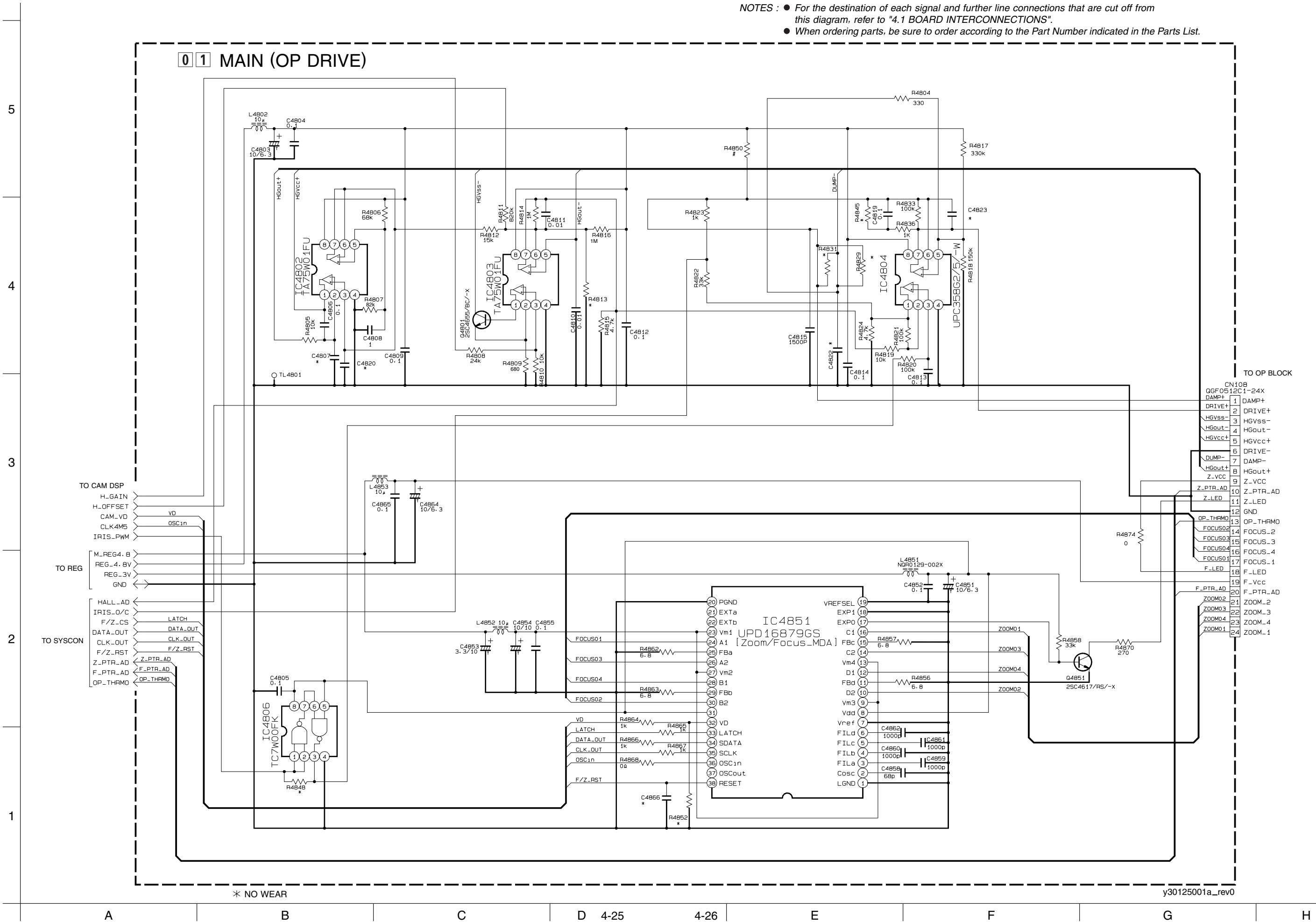
Difference Point

| | R4303 | R4304 |
|------|-------|-------|
| NTSC | 0Ω | * |
| PAL | * | 0Ω |

* NO WEAR

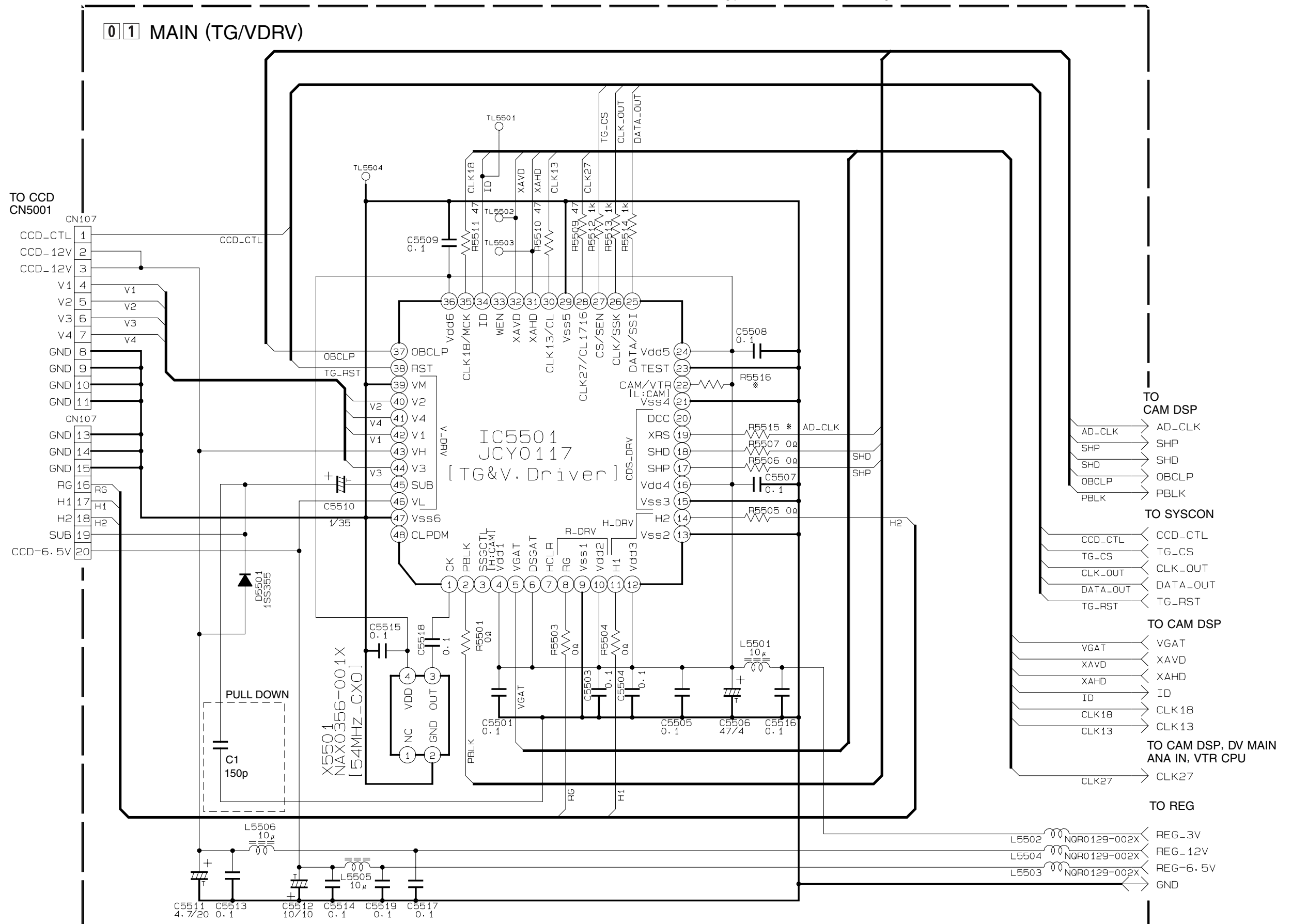
4.12 OP DRIVE SCHEMATIC DIAGRAM

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.



4.13 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.



TO CCD
CN5001

| | |
|----|----------|
| 1 | CCD_CTL |
| 2 | CCD_12V |
| 3 | CCD_12V |
| 4 | V1 |
| 5 | V2 |
| 6 | V3 |
| 7 | V4 |
| 8 | GND |
| 9 | GND |
| 10 | GND |
| 11 | GND |
| 12 | GND |
| 13 | GND |
| 14 | GND |
| 15 | GND |
| 16 | RG |
| 17 | H1 |
| 18 | H2 |
| 19 | SUB |
| 20 | CCD-6.5V |

TO CAM DSP

| | |
|--------|--------|
| AD_CLK | AD_CLK |
| SHP | SHP |
| SHD | SHD |
| OBCLP | OBCLP |
| PBLK | PBLK |

TO SYSCON

| | |
|----------|----------|
| CCD_CTL | CCD_CTL |
| TG_CS | TG_CS |
| CLK_OUT | CLK_OUT |
| DATA_OUT | DATA_OUT |
| TG_RST | TG_RST |

TO CAM DSP

| | |
|-------|-------|
| VGAT | VGAT |
| XAVD | XAVD |
| XAHD | XAHD |
| ID | ID |
| CLK18 | CLK18 |
| CLK13 | CLK13 |

TO CAM DSP, DV MAIN
ANA IN, VTR CPU

| | |
|-------|-------|
| CLK27 | CLK27 |
|-------|-------|

TO REG

| | |
|----------|----------|
| REG_3V | REG_3V |
| REG_12V | REG_12V |
| REG-6.5V | REG-6.5V |
| GND | GND |

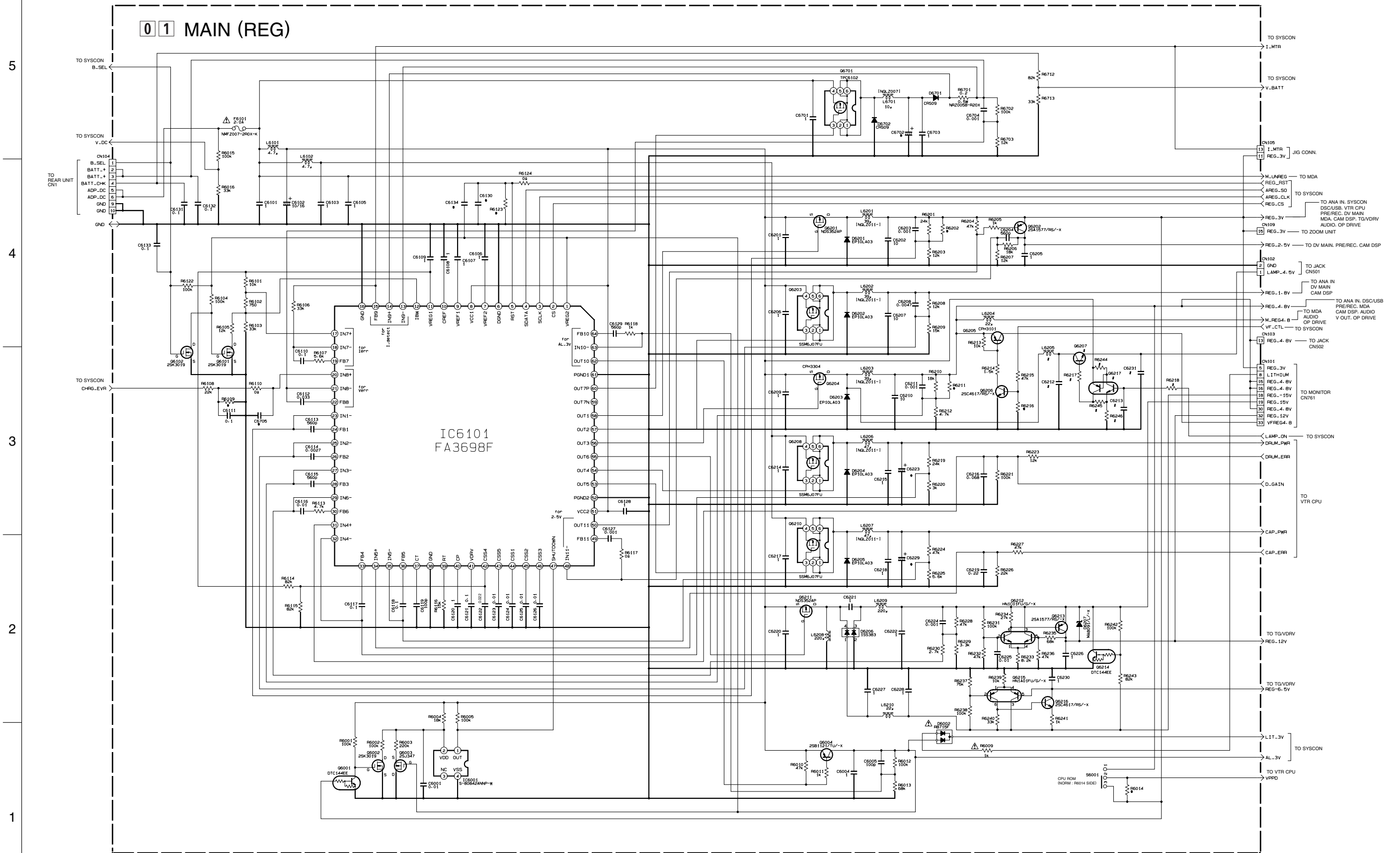
※ NO WEAR

y30126001a_rev0.1

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

4.14 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.



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 | 1 | 1 | 0.01 |
| without LIGHT | open | open | open | open | open | open | open | open | open | open | open |

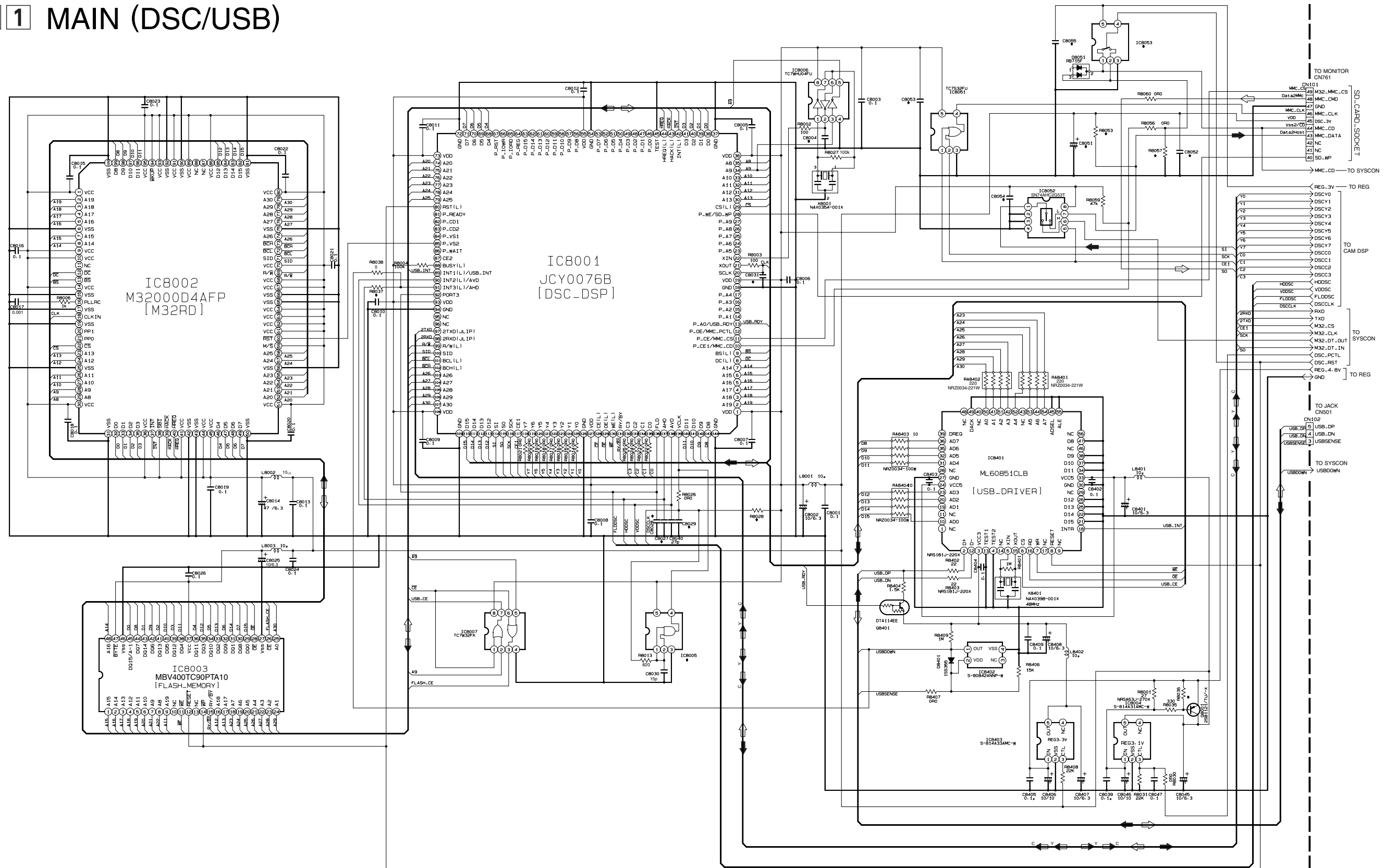
* NO WEAR

y10192001a_rev0

4.15 DSC/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.

0 1 MAIN (DSC/USB)

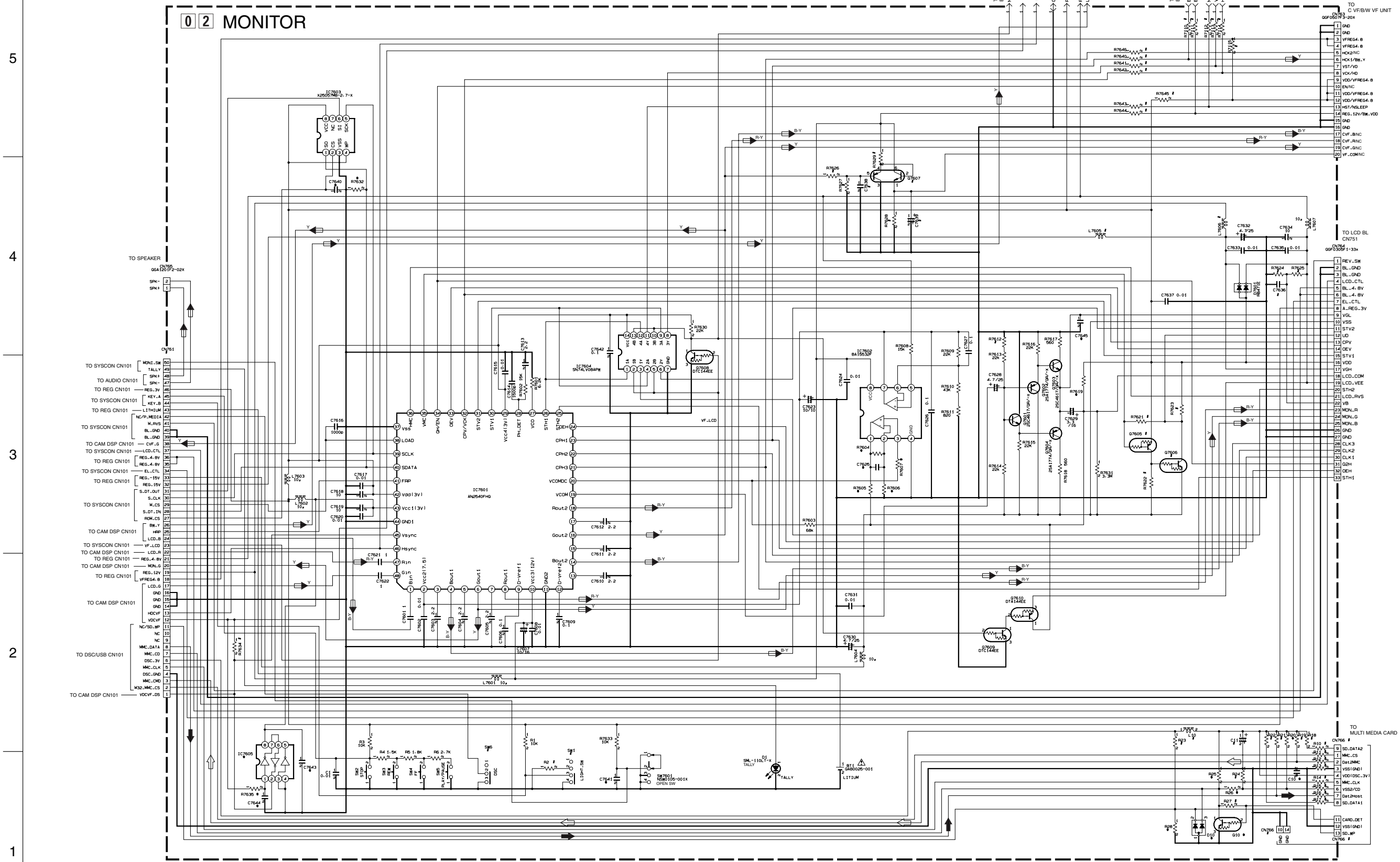


※ NO WEAR

y10193001a_rev0

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.



| | | | | | | | | | | | | | | | | | | | | | |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| | R710 | R711 | R712 | R713 | R714 | R715 | R7607 | R7606 | R7627 | R7628 | R7629 | R7640 | R7641 | R7642 | R7643 | R7644 | R7645 | R7646 | C7638 | C7639 | |
| CVF MODEL | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| B/W VF MODEL | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | |
| | Q7605 | Q7606 | L7605 | L7606 | R7612 | R7621 | R7622 | R7623 | R7624 | R7625 | C7636 | | | | | | | | | | |
| 2.5-INCH MODEL | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| 3/3.5-INCH MODEL | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | | | | | | | | | | |
| | R7634 | CH761 | CH766 | SW6 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | R19 | R21 | R22 | R23 | R24 | R27 | C11 | L10 |
| With DSC | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Without DSC | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

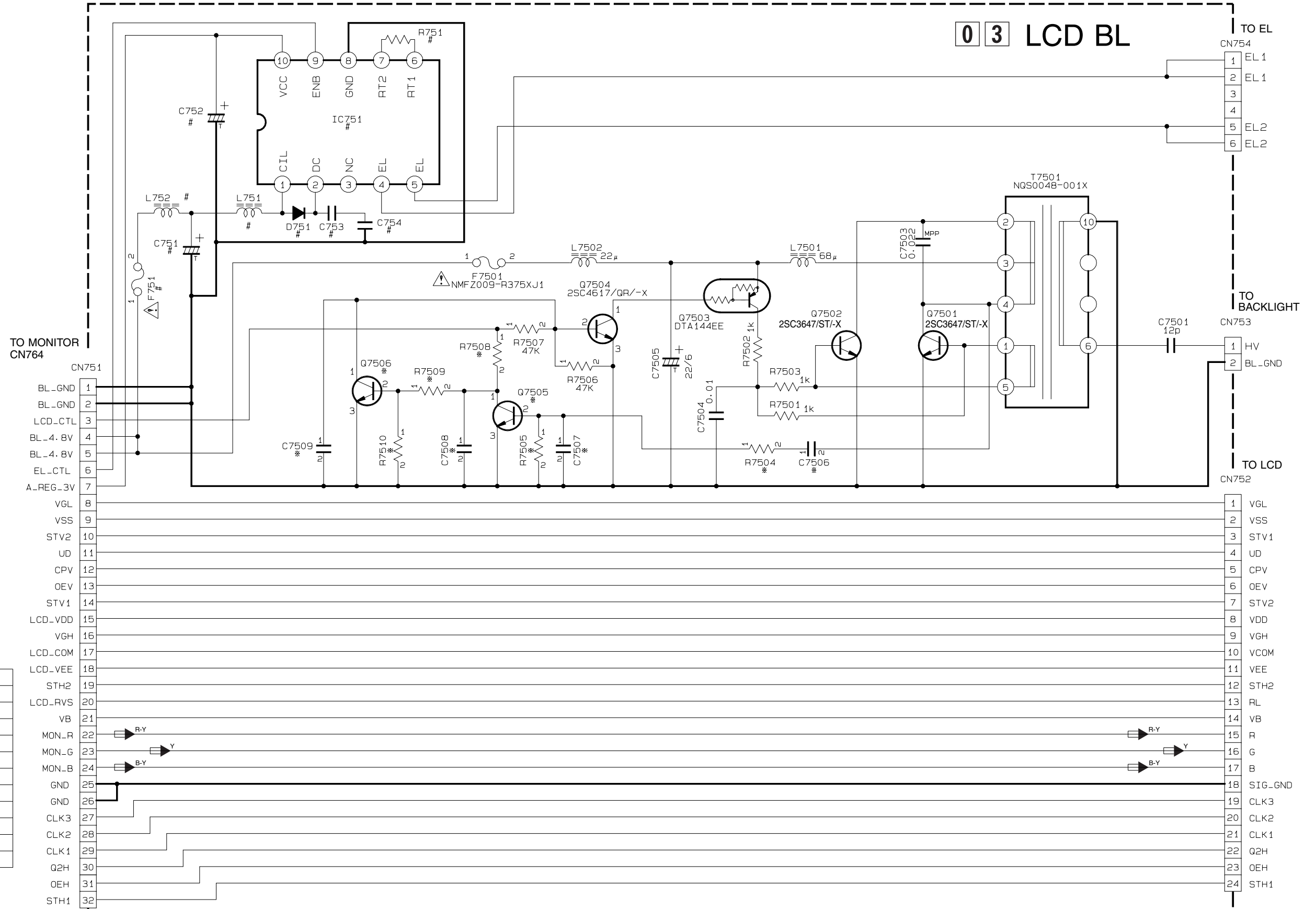
| | | | |
|---------------|----|----|-----|
| | R1 | R2 | SH1 |
| With LIGHT | ● | ● | ● |
| Without LIGHT | ○ | ○ | ○ |

※ NO WEAR

y10194001a_rev0

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 | NMF2007-R20X-K | * |
| D751 | 1SS376 | * |
| L751 | 680 | * |
| L752 | 10 | * |
| R751 | 100K | * |
| C751 | 10/6.3 | * |
| C752 | 10/6.3 | * |
| C753 | 2200p | * |
| C754 | 2200p | * |
| CN754 | GGF0505F2-06X | * |

* NO WEAR

y30127001a_rev0

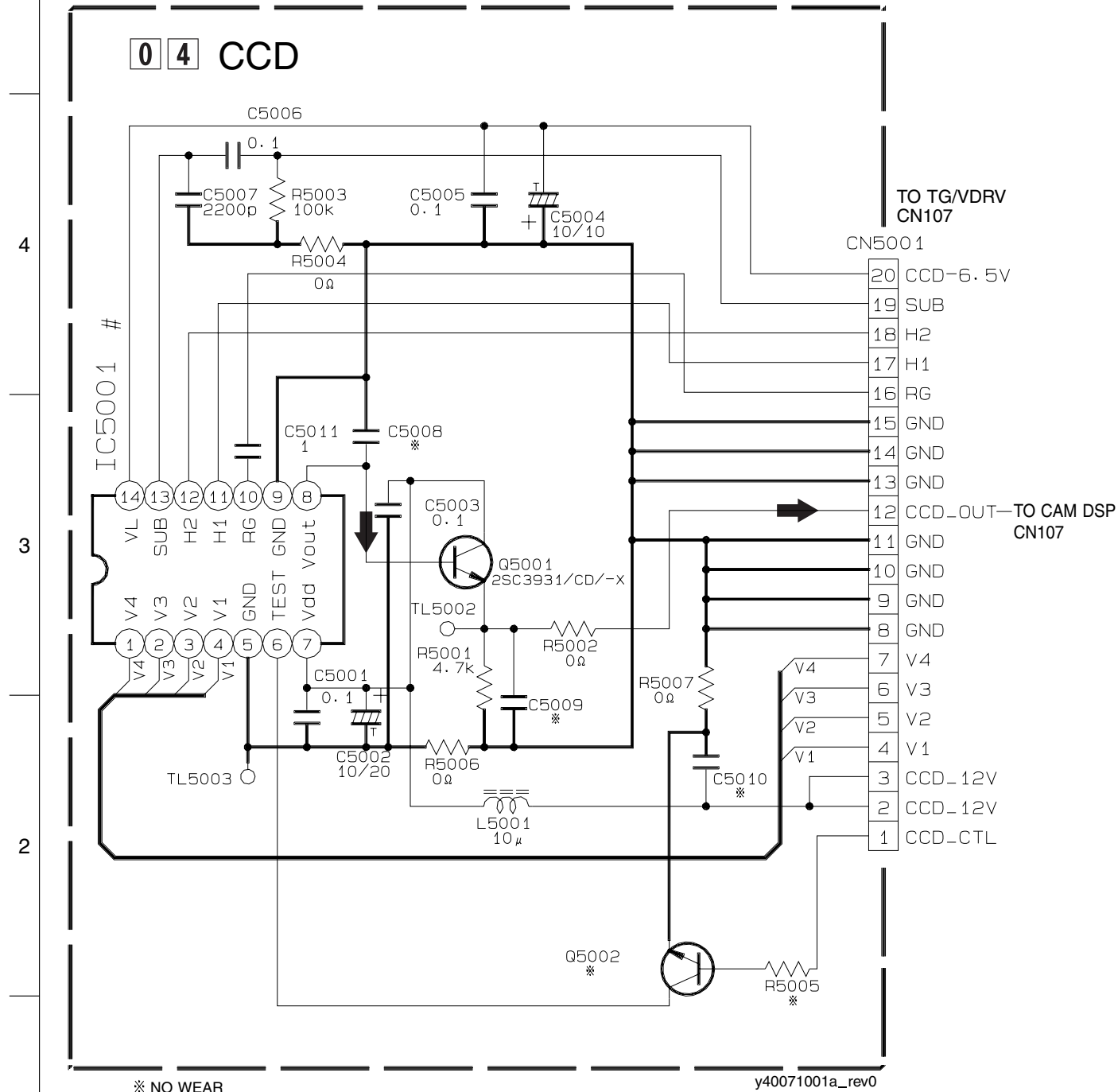
5
4
3
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1

A B C D 4-35 4-36 E F G H

4.18 CCD SCHEMATIC DIAGRAM

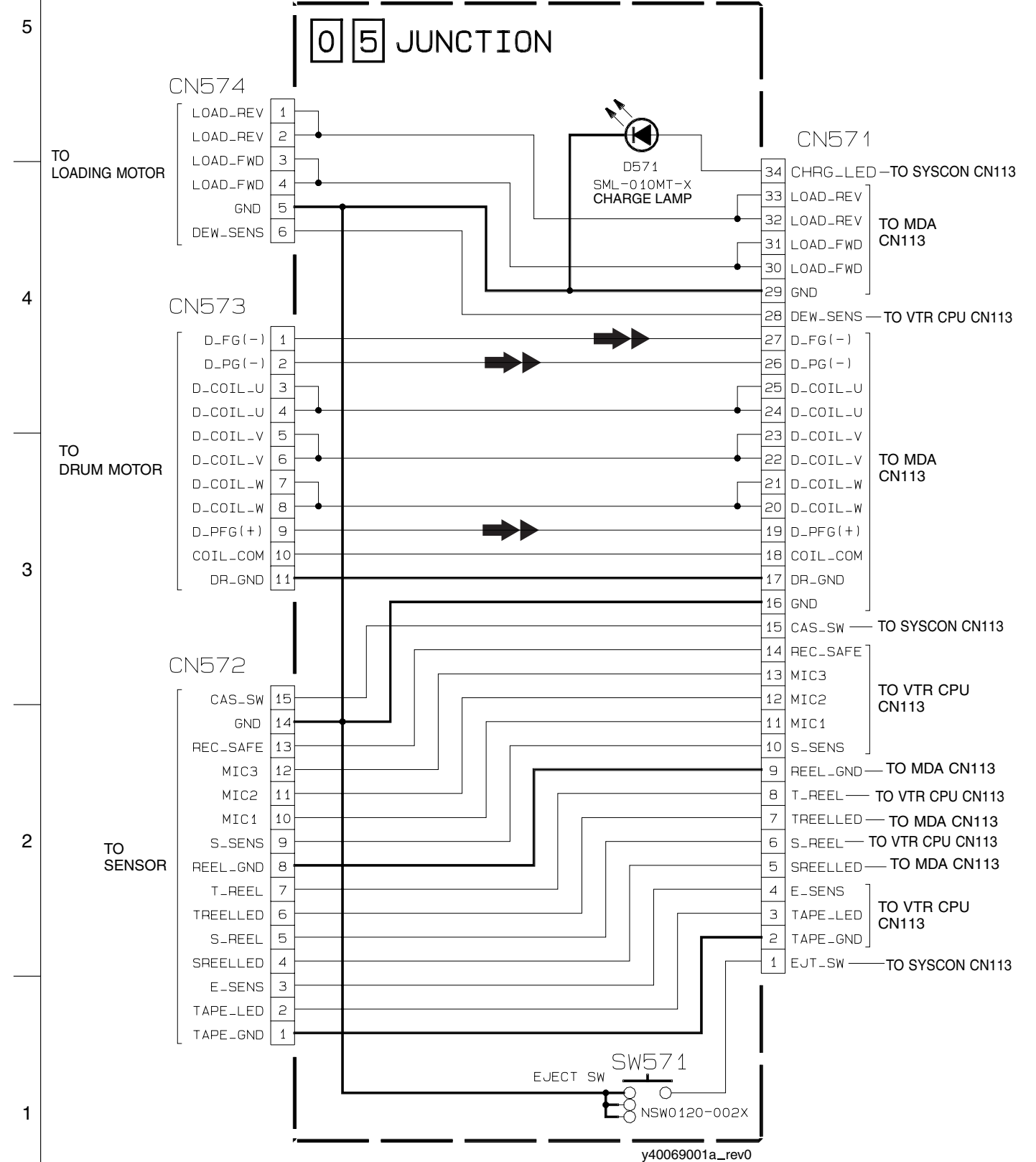
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
 ● When ordering parts, be sure to order according to the Part Number indicated in the Parts List.

● 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.



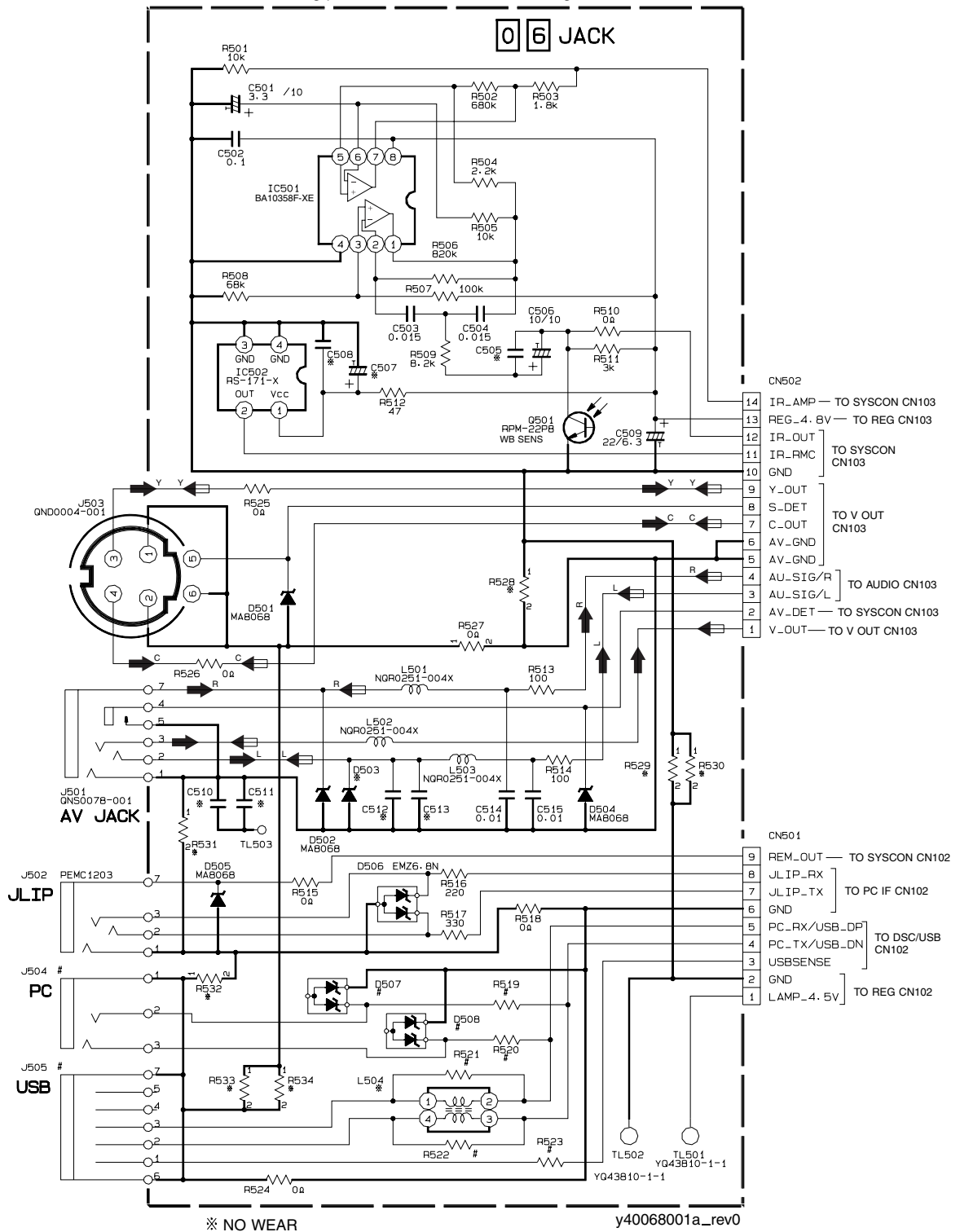
4.19 JUNCTION SCHEMATIC DIAGRAM

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.



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.

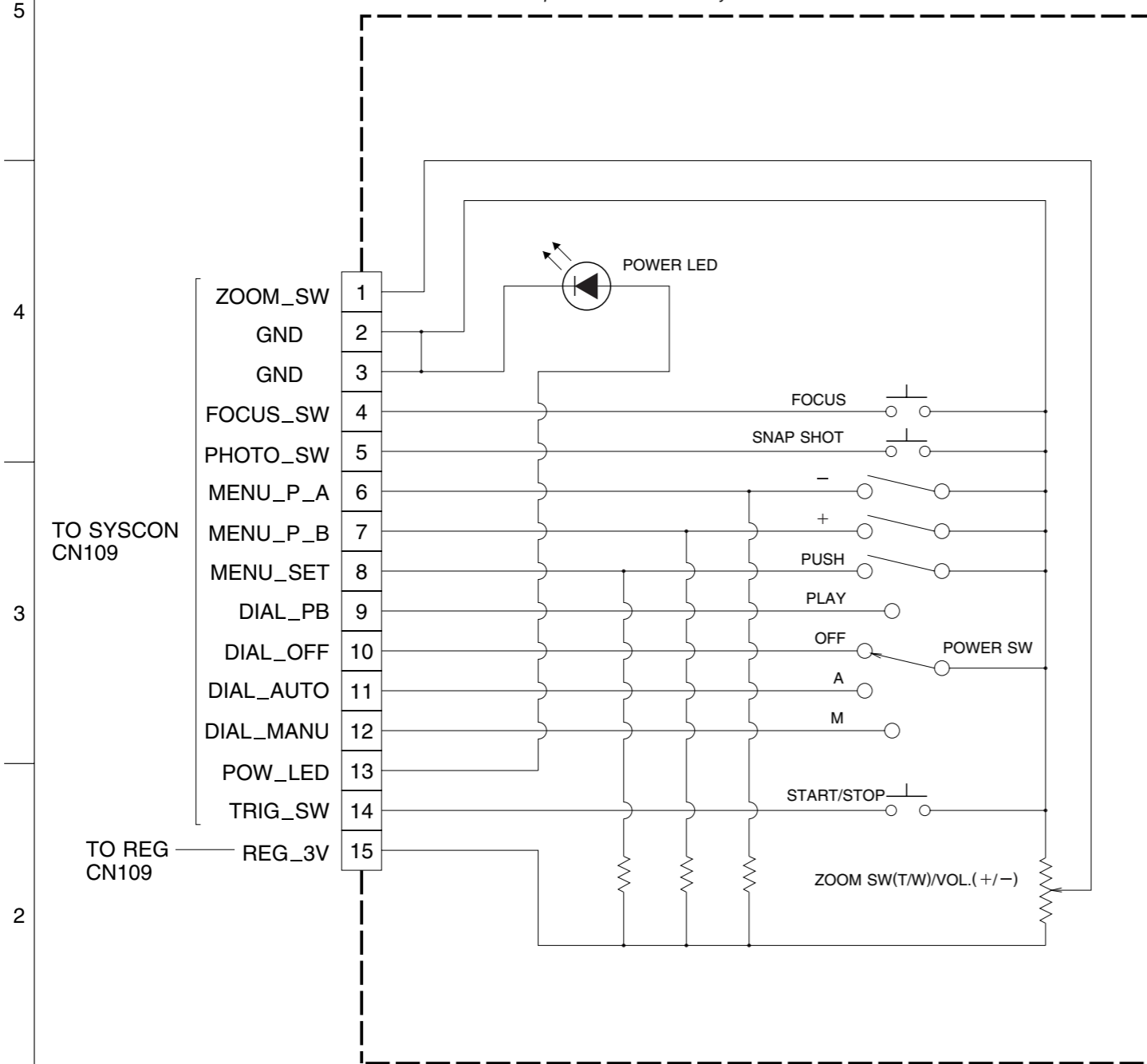


EXCHANGE PARTS LIST

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

4.22 ZOOM UNIT SCHEMATIC DIAGRAM

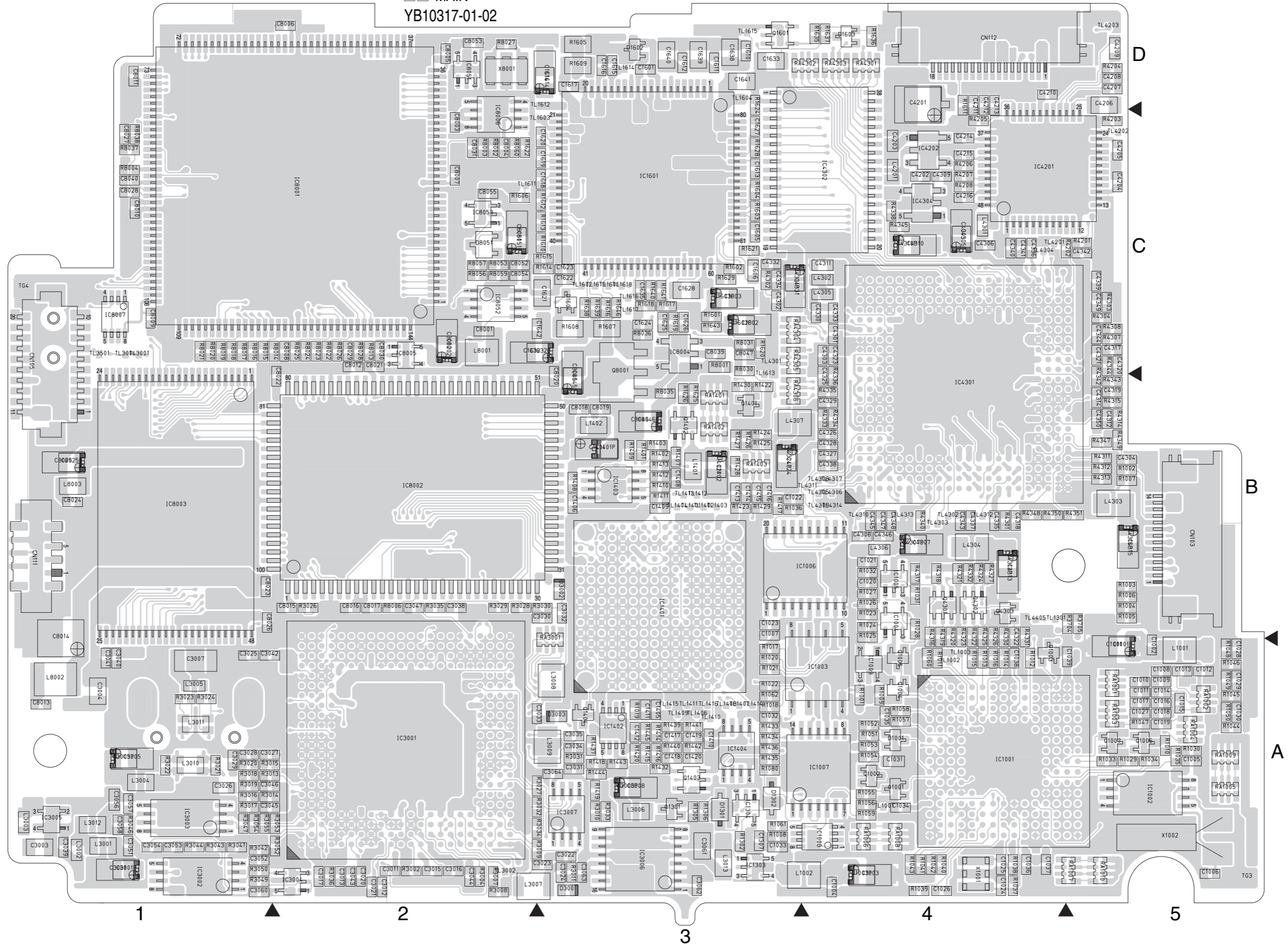
NOTES : ● For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".
 ● The schematic diagram is only for reference. Avoid replacing individual parts. Replace the entire unit only.



4.23 MAIN CIRCUIT BOARD

FOIL SIDE(B)

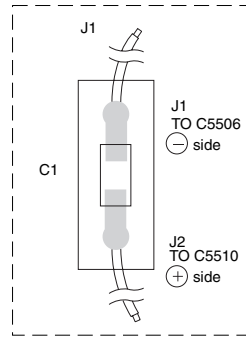
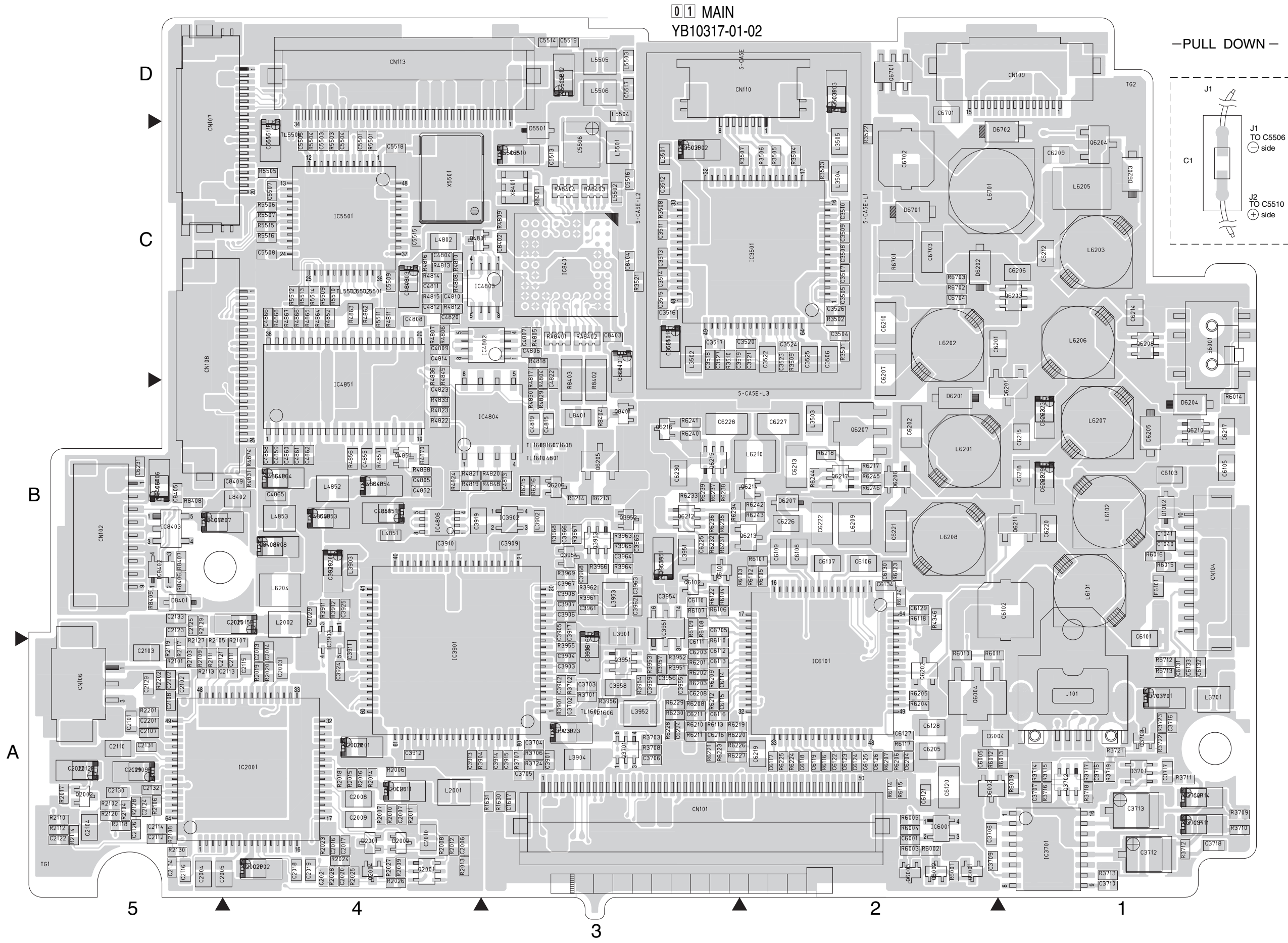
01 MAIN
YB10317-01-02



COMPONENT SIDE(A)

0 1 MAIN
YB10317-01-02

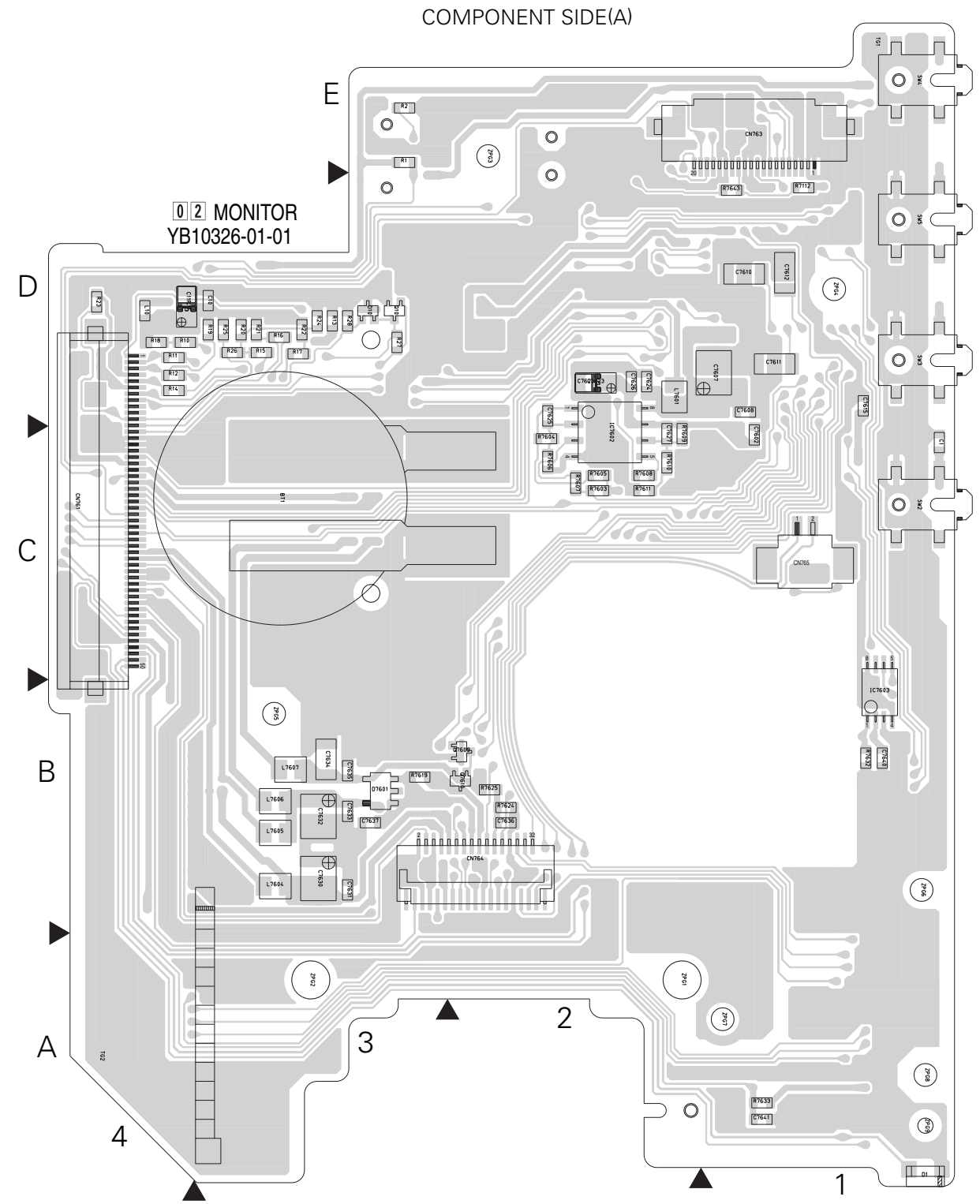
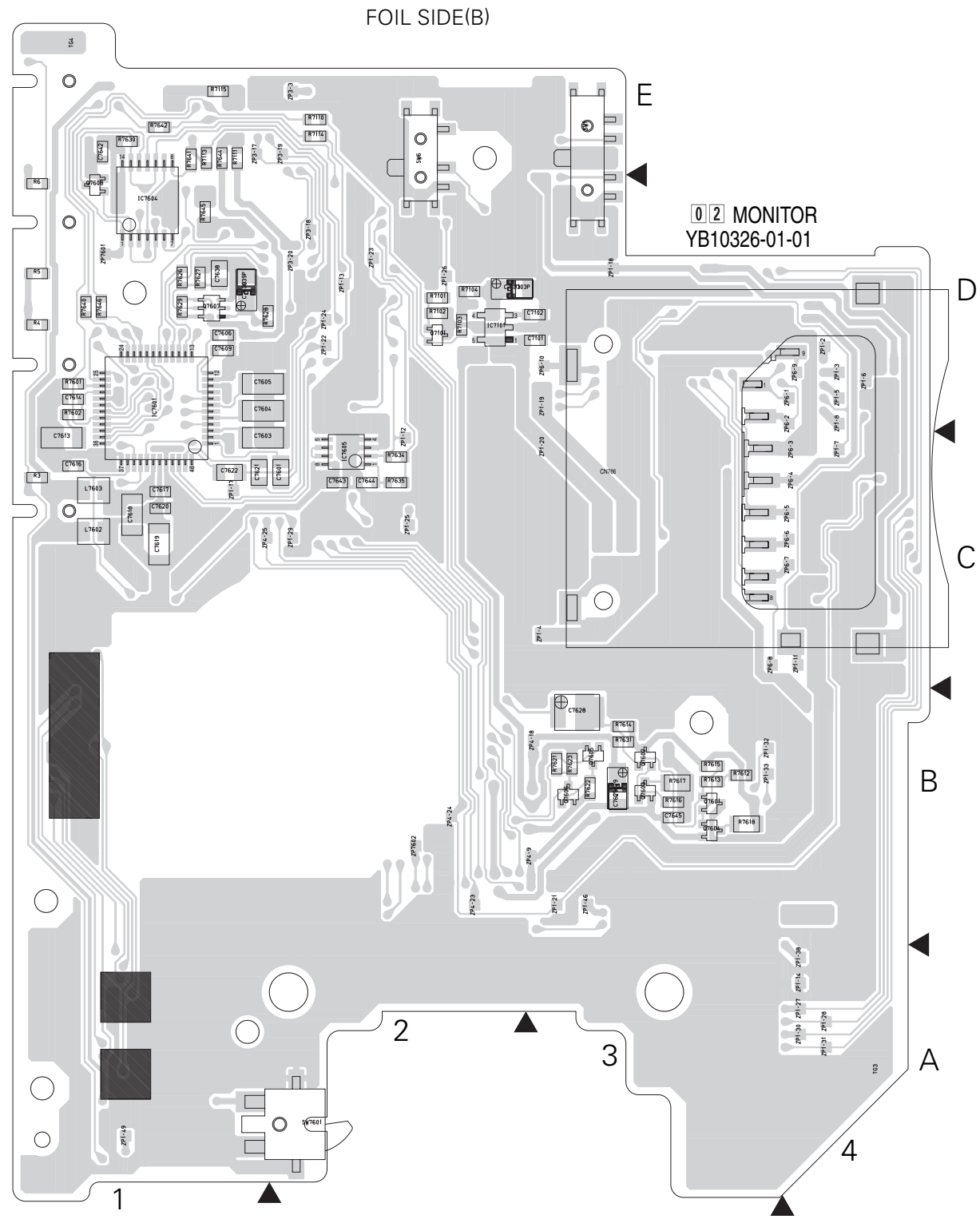
-PULL DOWN-



5 4 3 2 1

4-47 4-48

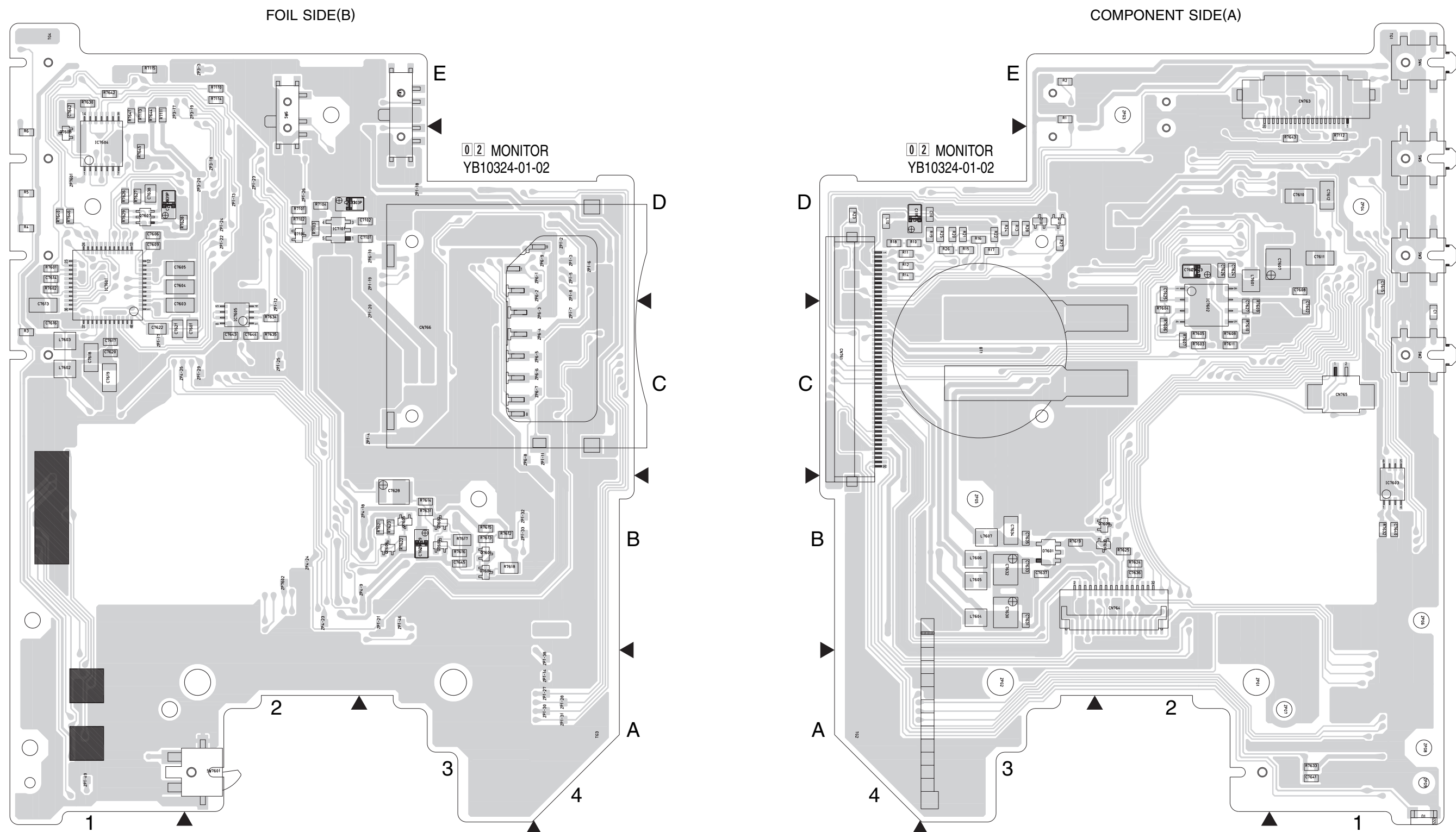
4.24 MONITOR CIRCUIT BOARD [GR-DVL355EG/EK, DVL357EG/EK]



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 | REF.NO. | LOCATION | REF.NO. | LOCATION | | | | | | |
|------------------|----------|---------|----------|---------|----------|------------------|----------|--------------|----------|-------------------|----------|-----------------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|--------|--------|--------|--------|--------|--------|
| CAPACITOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | A C C | C7609 | B C 1D | C7624 | A C 2D | C7639 | B C 1D | DIODE | | L7602 | B C 1C | Q7607 | B C 1D | R14 | A C 4D | R7101 | B C 2D | R7606 | A C 2C | R7622 | B C 3B | R7642 | B C 1E | SW3 | A C 1D | ZP3-3 | B C 2E | ZP1-17 | B C 1C | ZP1-32 | B C 3B | ZP7602 | B C 2B |
| C10 | A C C | C7610 | A C 1D | C7625 | A C 2D | C7640 | A C 1B | D1 | A C 3D | L7603 | B C 1C | Q7608 | B C 1D | R15 | A C 3D | R7102 | B C 2D | R7607 | A C 2D | R7623 | B C 3B | R7643 | A C 1D | SW4 | A C 1E | ZP4-9 | B C 3B | ZP1-18 | B C 2B | ZP1-33 | B C 3B | ZPG1 | A D 2A |
| C11 | A B C C | C7611 | A C 1D | C7626 | A C 2D | C7641 | A C 1A | D10 | A C 3D | L7604 | A C 3B | Q7609 | A C 2B | R16 | A C 3D | R7103 | B C 2D | R7608 | A C 2C | R7624 | A C 2B | R7644 | A C 1E | SW5 | A C 1D | ZP6-1 | B C 3D | ZP1-19 | B C 3D | ZP1-38 | B C 4A | ZPG2 | A D 3A |
| C7101 | A B C C | C7612 | A C 2C | C7627 | B C 2C | C7642 | B C 1E | D7601 | A C 3B | L7605 | A C 3B | Q7610 | A C 2B | R17 | A C 4D | R7104 | B C 2D | R7609 | A C 2C | R7625 | A C 1D | R7645 | B C 1E | SW6 | B C 2E | ZP6-2 | B C 3C | ZP1-20 | B C 3C | ZP1-46 | B C 3B | ZPG3 | A D 2E |
| C7102 | B B C C | C7613 | B C 1C | C7628 | A B C 3B | C7643 | B C 2C | IC | | L7606 | A C 3B | RESISTOR | | R18 | A C 3D | R7110 | B C 2E | R7610 | A C 2C | R7626 | B C 1D | R7646 | B C 1D | TM1 | A C 4A | ZP6-3 | B C 3C | ZP1-21 | B C 3C | ZP1-49 | B C 1A | ZPG4 | A D 1D |
| C7103 | B B C C | C7614 | B C 1D | C7629 | A B C 3B | C7644 | B C 2C | IC7101 | B C 2D | L7607 | A C 3B | R19 | A C 3D | R19 | A C 3D | R7111 | B C 1E | R7611 | A C 2C | R7627 | B C 1D | R7646 | B C 1D | TM3 | A C 4E | ZP6-4 | B C 3C | ZP1-22 | B C 2D | ZP3-17 | B C 1E | ZPG5 | A D 3B |
| C7601 | B C C | C7615 | A C 1D | C7630 | A B C 3B | C7645 | B C 3B | IC7601 | B C 2D | TRANSISTOR | | R20 | A C 3D | R20 | A C 3D | R7112 | A C 1D | R7612 | A C 3B | R7628 | B C 1D | R7646 | B C 1D | TM3 | A C 4E | ZP6-5 | B C 3C | ZP1-23 | B C 2D | ZP3-19 | B C 2D | ZPG6 | A D 1B |
| C7602 | A C C | C7616 | B C 1C | C7631 | A C 3B | CONNECTOR | | IC7602 | A C 2C | Q10 | A C 3D | R21 | A C 3D | R21 | A C 3D | R7113 | B C 1E | R7613 | B C 3B | R7629 | B C 1E | R7646 | B C 1D | TM3 | A C 4E | ZP6-6 | B C 3C | ZP1-24 | B C 2C | ZP3-19 | B C 1E | ZPG7 | A D 1A |
| C7603 | B C C | C7617 | B C 1C | C7632 | A C 3B | CN761 | A C 4D | IC7603 | A C 1B | Q7101 | B C 3D | R22 | A C 3D | R22 | A C 3D | R7114 | B C 2E | R7614 | B C 3B | R7630 | B C 1D | R7646 | B C 1D | TM3 | A C 4E | ZP6-7 | B C 3C | ZP1-25 | B C 2C | ZP3-20 | B C 2D | ZPG8 | A D 1A |
| C7604 | B C C | C7618 | B C 1C | C7633 | A C 3B | CN763 | A C 1E | IC7604 | B C 1D | Q7601 | B C 3B | R23 | A C 4D | R23 | A C 4D | R7115 | B C 1E | R7615 | B C 3B | R7631 | A C 3B | R7646 | B C 1D | TM3 | A C 4E | ZP6-8 | B C 3C | ZP1-26 | B C 2D | ZP4-18 | B C 2B | ZPG9 | A D 1A |
| C7605 | B C C | C7619 | B C 1C | C7634 | A C 3B | CN764 | A C 3B | IC7605 | B C 2C | Q7602 | B C 3B | R24 | A C 3D | R24 | A C 3D | R7116 | B C 1D | R7616 | B C 3B | R7632 | A C 1B | R7646 | B C 1D | TM3 | A C 4E | ZP6-9 | B C 3C | ZP1-27 | B C 2D | ZP4-23 | B C 2B | | |
| C7606 | B C C | C7620 | B C 1C | C7635 | A C 3B | CN765 | A C 1C | COIL | | Q7603 | B C 3B | R25 | A C 3D | R25 | A C 3D | R7117 | B C 1D | R7617 | B C 3B | R7633 | A C 1A | R7646 | B C 1D | TM3 | A C 4E | ZP6-10 | B C 3C | ZP1-28 | B C 4A | ZP4-24 | B C 2B | | |
| C7607 | A C C | C7621 | B C 1C | C7636 | A C 3B | CN766 | A C 4C | L10 | A C 4D | Q7604 | B C 3B | R26 | A C 3D | R26 | A C 3D | R7118 | B C 1D | R7618 | B C 3B | R7634 | B C 2C | R7646 | B C 1D | TM3 | A C 4E | ZP6-11 | B C 2C | ZP1-29 | B C 2C | ZP4-25 | B C 1C | | |
| C7608 | A C | C7622 | B C 1C | C7637 | A C 3B | | | L7601 | A C 2D | Q7605 | B C 3B | R27 | A C 3D | R27 | A C 3D | R7119 | B C 1D | R7619 | A C 3B | R7635 | B C 2C | R7646 | B C 1D | TM3 | A C 4E | ZP6-12 | B C 4C | ZP1-30 | B C 2D | ZP6-10 | B C 3D | | |
| | | C7623 | A C 2D | C7638 | A C 1D | | | | | Q7606 | B C 3B | R28 | A C 3D | R28 | A C 3D | R7201 | B C 3B | R7621 | B C 3B | R7640 | B C 1D | R7646 | B C 1D | TM3 | A C 4E | ZP6-13 | B C 2D | ZP1-31 | B C 4A | ZP7601 | B C 1D | | |

4.25 MONITOR CIRCUIT BOARD [GR-DVL555EG/EK, DV557EG/EK]



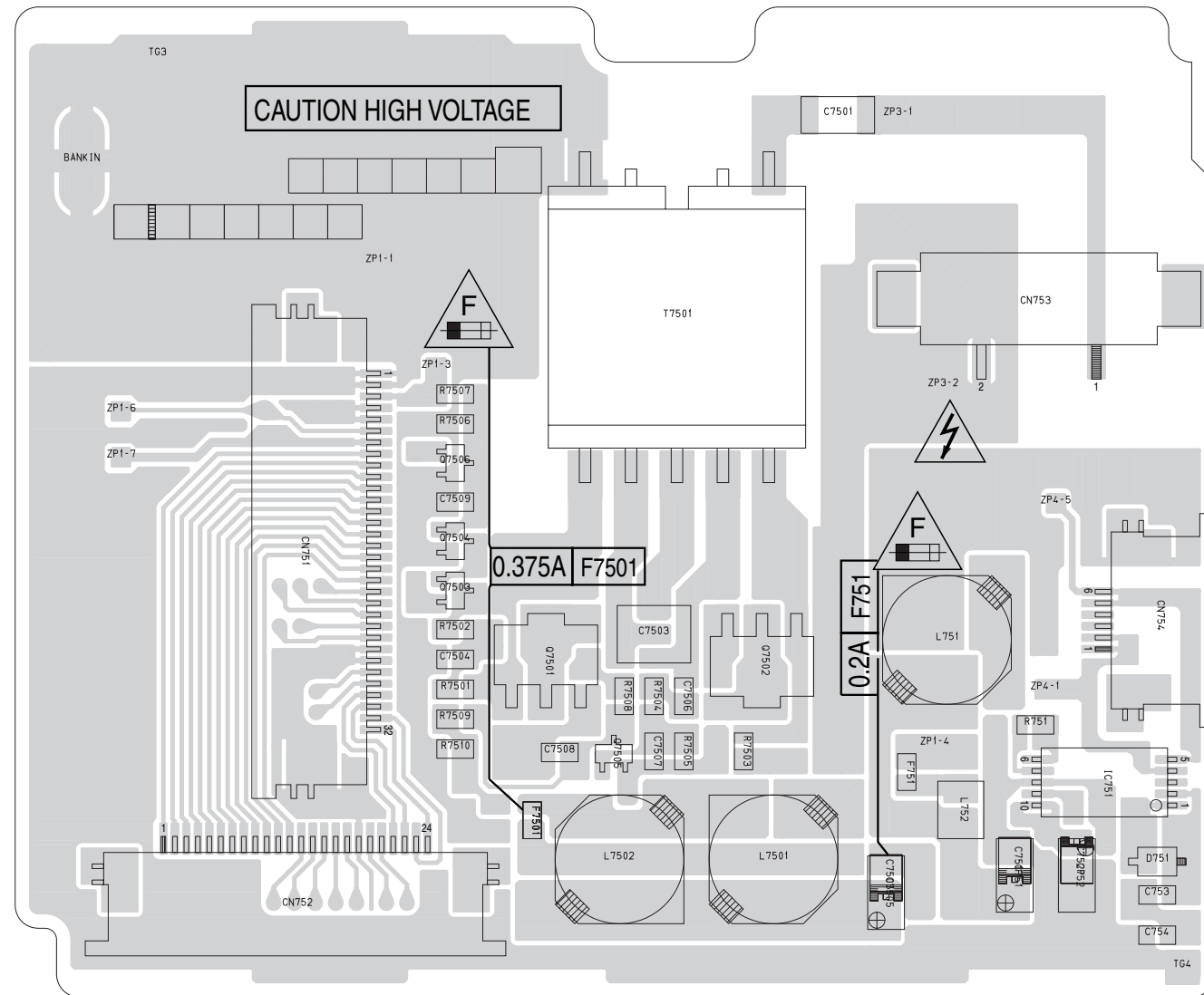
COMPONENT PARTS LOCATION GUIDE <MONITOR >

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|---------|----------|------------------|----------|---------|----------|------------------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|-------|---|---|----|--------|---|---|----|--------|---|---|----|--------|---|---|----|--------|---|---|----|--------|---|---|----|
| | | CAPACITOR | | | | CONNECTOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | A | C | 1C | C7611 | A | C | 1D | C7628 | B | C | 3B | C7645 | B | C | 3B | IC7603 | A | C | 1B | Q7602 | B | C | 3B | R10 | A | C | 4D | R27 | A | C | 3D | R7606 | A | C | 2C | R7624 | A | C | 2B | R7645 | B | C | 1D | TM1 | A | C | 4A | ZP6-8 | B | C | 4C | ZP1-28 | B | C | 4A | ZP6-10 | B | C | 3D |
| C10 | A | C | 3D | C7612 | A | C | 1D | C7629 | B | C | 3B | IC7604 | B | C | 1D | IC7605 | B | C | 2C | Q7603 | B | C | 3B | R11 | A | C | 4D | R28 | A | C | 3D | R7607 | A | C | 2C | R7625 | B | C | 2B | R7646 | B | C | 1D | ZP1-3 | B | C | 4D | ZP6-9 | B | C | 2C | ZP1-29 | B | C | 2C | ZP7601 | B | C | 1D |
| C11 | A | C | 4D | C7613 | B | C | 1C | C7630 | A | C | 3B | CN761 | A | C | 4D | CN763 | A | C | 1E | L7601 | A | C | 4D | Q7604 | A | C | 4D | R7101 | A | C | 2D | R7608 | A | C | 2C | R7626 | B | C | 1D | BT1 | A | C | 3C | ZP1-4 | B | C | 4D | ZP1-11 | B | C | 4C | ZP1-30 | B | C | 4A | ZP7602 | B | C | 2B |
| C7101 | A | C | 3D | C7614 | B | C | 1D | C7631 | A | C | 3B | CN764 | A | C | 3B | CN765 | A | C | 1C | L7602 | B | C | 2D | Q7605 | B | C | 3B | R12 | A | C | 2D | R7609 | A | C | 2C | R7627 | B | C | 1D | C7103P | A | C | 3D | ZP1-5 | B | C | 4D | ZP1-12 | B | C | 2C | ZP1-31 | B | C | 4A | ZPG1 | A | D | 2A |
| C7102 | B | C | 3D | C7615 | A | C | 1D | C7632 | A | C | 3B | CN766 | B | C | 4C | L7603 | B | C | 1C | Q7606 | B | C | 3B | Q7606 | B | C | 3B | R13 | A | C | 3D | R7102 | B | C | 2D | R7628 | B | C | 2D | C7623P | A | C | 3D | ZP1-6 | B | C | 4D | ZP1-13 | B | C | 4D | ZP1-32 | B | C | 3B | ZPG2 | A | D | 3A |
| C7103 | B | C | 2D | C7616 | B | C | 1C | C7633 | A | C | 3B | L7604 | A | C | 1C | L7605 | A | C | 3B | Q7607 | B | C | 1D | Q7608 | B | C | 1D | R14 | A | C | 4D | R7103 | B | C | 2D | R7629 | B | C | 1D | C7629P | A | C | 1E | ZP1-7 | B | C | 4D | ZP1-14 | B | C | 4A | ZP1-33 | B | C | 3B | ZPG3 | A | D | 2E |
| C7601 | A | C | 2C | C7617 | B | C | 1C | C7634 | A | C | 3B | L7606 | A | C | 1C | L7607 | A | C | 3B | Q7609 | A | C | 2B | Q7609 | A | C | 2B | R15 | A | C | 3D | R7110 | B | C | 2E | R7630 | B | C | 3B | C7629P | A | C | 3B | ZP1-8 | B | C | 4D | ZP1-15 | B | C | 3D | ZP1-34 | B | C | 4A | ZPG4 | A | D | 1D |
| C7602 | A | C | 1C | C7618 | B | C | 1C | C7635 | A | C | 3B | L7607 | B | C | 1C | D1 | A | C | 3A | Q7610 | A | C | 2B | Q7610 | A | C | 2B | R16 | A | C | 3D | R7111 | B | C | 1E | R7631 | B | C | 3B | C7639P | A | C | 3B | ZP1-9 | B | C | 4C | ZP1-16 | B | C | 3D | ZP1-35 | B | C | 3B | ZPG5 | A | D | 3B |
| C7603 | B | C | 2C | C7619 | B | C | 1C | C7636 | B | C | 2B | D10 | A | C | 3D | D7601 | A | C | 3B | R17 | A | C | 2D | R18 | A | C | 4D | R7112 | A | C | 1D | R7612 | B | C | 3B | R7632 | B | C | 1B | ZP2-3 | B | C | 2E | ZP1-17 | B | C | 3D | ZP1-46 | B | C | 3B | ZPG6 | A | D | 1A | | | | |
| C7604 | B | C | 2D | C7620 | B | C | 1C | C7637 | A | C | 3B | L7604 | A | C | 3C | L7605 | A | C | 3B | R19 | A | C | 3D | R19 | A | C | 4D | R7113 | B | C | 1D | R7613 | B | C | 3B | R7633 | A | C | 1A | ZP4-9 | B | C | 3B | ZP1-20 | B | C | 3C | ZP3-17 | B | C | 1E | ZPG7 | A | D | 1B | | | | |
| C7605 | B | C | 1D | C7621 | B | C | 2C | C7638 | B | C | 1D | L7605 | A | C | 3B | L7606 | A | C | 3B | R20 | A | C | 3D | R20 | A | C | 3D | R7114 | B | C | 2E | R7614 | B | C | 3B | R7634 | B | C | 2C | ZP1-21 | B | C | 3D | ZP3-18 | B | C | 2D | ZPG8 | A | D | 1A | | | | | | | | |
| C7606 | B | C | 2D | C7622 | B | C | 1C | C7639 | B | C | 1D | L7607 | A | C | 3B | R1 | A | C | 3E | R21 | A | C | 3D | R21 | A | C | 3D | R7115 | B | C | 1E | R7615 | B | C | 3B | R7635 | B | C | 2C | ZP6-2 | B | C | 4D | ZP1-22 | B | C | 2D | ZP3-19 | B | C | 2E | ZPG9 | A | D | 1A | | | | |
| C7607 | A | C | 1D | C7623 | A | C | 2D | C7640 | A | C | 1A | R2 | A | C | 3C | R2 | A | C | 3E | R22 | A | C | 3D | R22 | A | C | 3D | R7616 | B | C | 1D | R7617 | B | C | 3B | R7640 | B | C | 1D | ZP6-3 | B | C | 4C | ZP1-23 | B | C | 2D | ZP3-20 | B | C | 2D | ZPG10 | A | D | 2B | | | | |
| C7608 | A | C | 1D | C7624 | A | C | 2D | C7641 | A | C | 1A | R3 | A | C | 1C | R3 | A | C | 1C | R23 | A | C | 4D | R23 | A | C | 4D | R7618 | B | C | 1D | R7619 | B | C | 3B | R7641 | B | C | 1D | ZP6-4 | B | C | 4C | ZP1-24 | B | C | 2D | ZP4-18 | B | C | 2D | ZPG11 | A | D | 3B | | | | |
| C7609 | A | C | 2C | C7625 | A | C | 2D | C7642 | B | C | 1E | R4 | B | C | 1D | R4 | B | C | 1D | R24 | A | C | 3D | R24 | A | C | 3D | R7619 | B | C | 3B | R7620 | B | C | 2C | R7642 | B | C | 1E | ZP6-5 | B | C | 4C | ZP1-25 | B | C | 2C | ZP4-23 | B | C | 2B | ZPG12 | A | D | 2B | | | | |
| C7610 | A | C | 1D | C7626 | A | C | 2D | C7643 | B | C | 2C | R5 | B | C | 2D | R5 | B | C | 2D | R25 | A | C | 3D | R25 | A | C | 3D | R7620 | B | C | 2C | R7621 | B | C | 3B | R7643 | A | C | 1D | ZP6-6 | B | C | 4C | ZP1-26 | B | C | 2D | ZP4-24 | B | C | 2B | ZPG13 | A | D | 3B | | | | |
| | | | | C7627 | A | C | 2C | C7644 | B | C | 2C | R6 | B | C | 1D | R6 | B | C | 1D | R26 | A | C | 3D | R26 | A | C | 3D | R7621 | B | C | 3B | R7622 | B | C | 3B | R7644 | B | C | 1E | ZP6-7 | B | C | 4C | ZP1-27 | B | C | 4A | ZP4-25 | B | C | 2C | ZPG14 | A | D | 3C | | | | |

4.26 LCD BL CIRCUIT BOARD [GR-DVL355EG/EK, DVL357EG/EK]

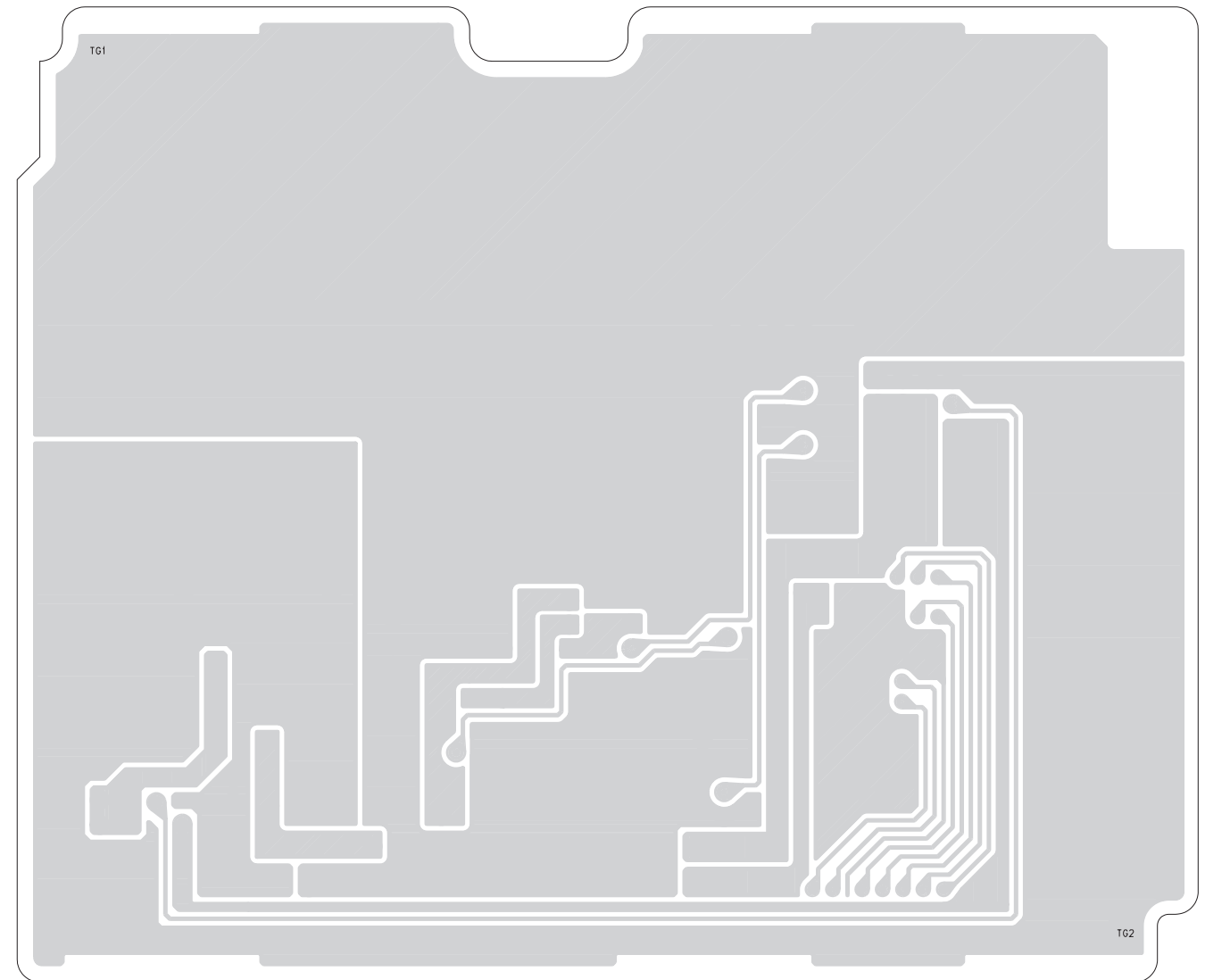
03 LCD BL
YB10325

FOIL SIDE(B)



COMPONENT SIDE(A)

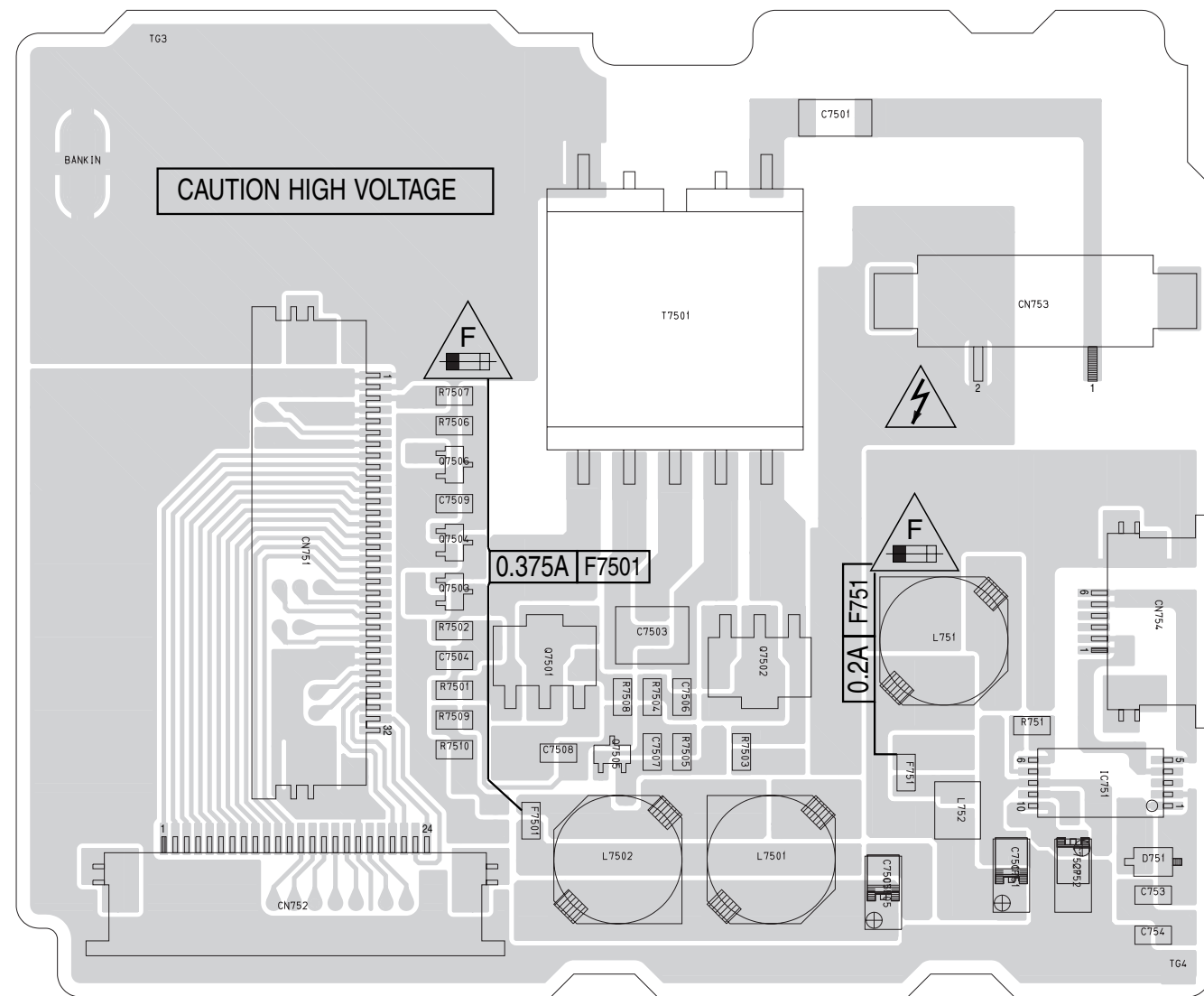
03 LCD BL
YB10325



4.27 LCD BL CIRCUIT BOARD [GR-DVL555EG/EK, DVL557EG/EK]

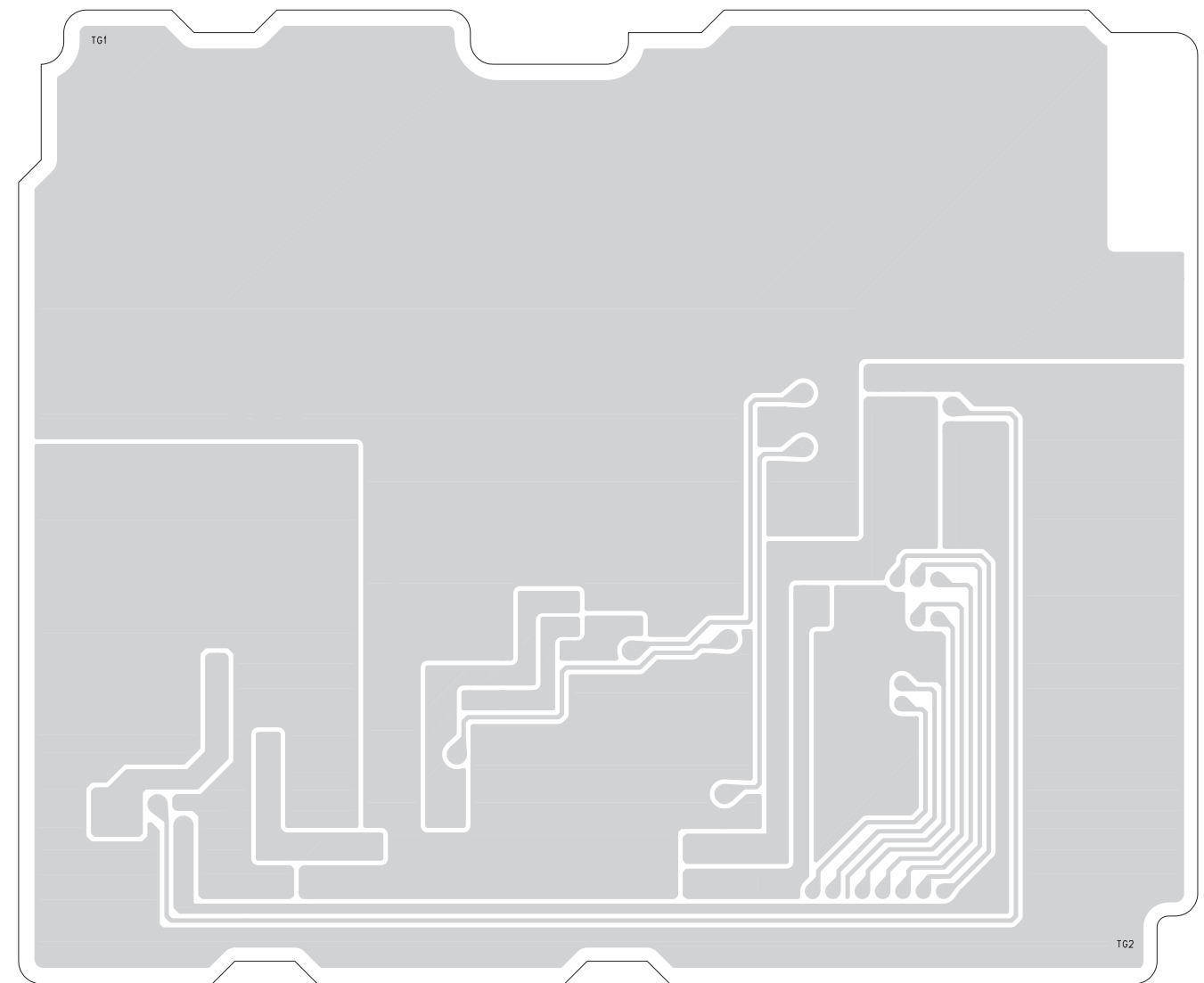
FOIL SIDE(B)

03 LCD BL
YB10324-01-02



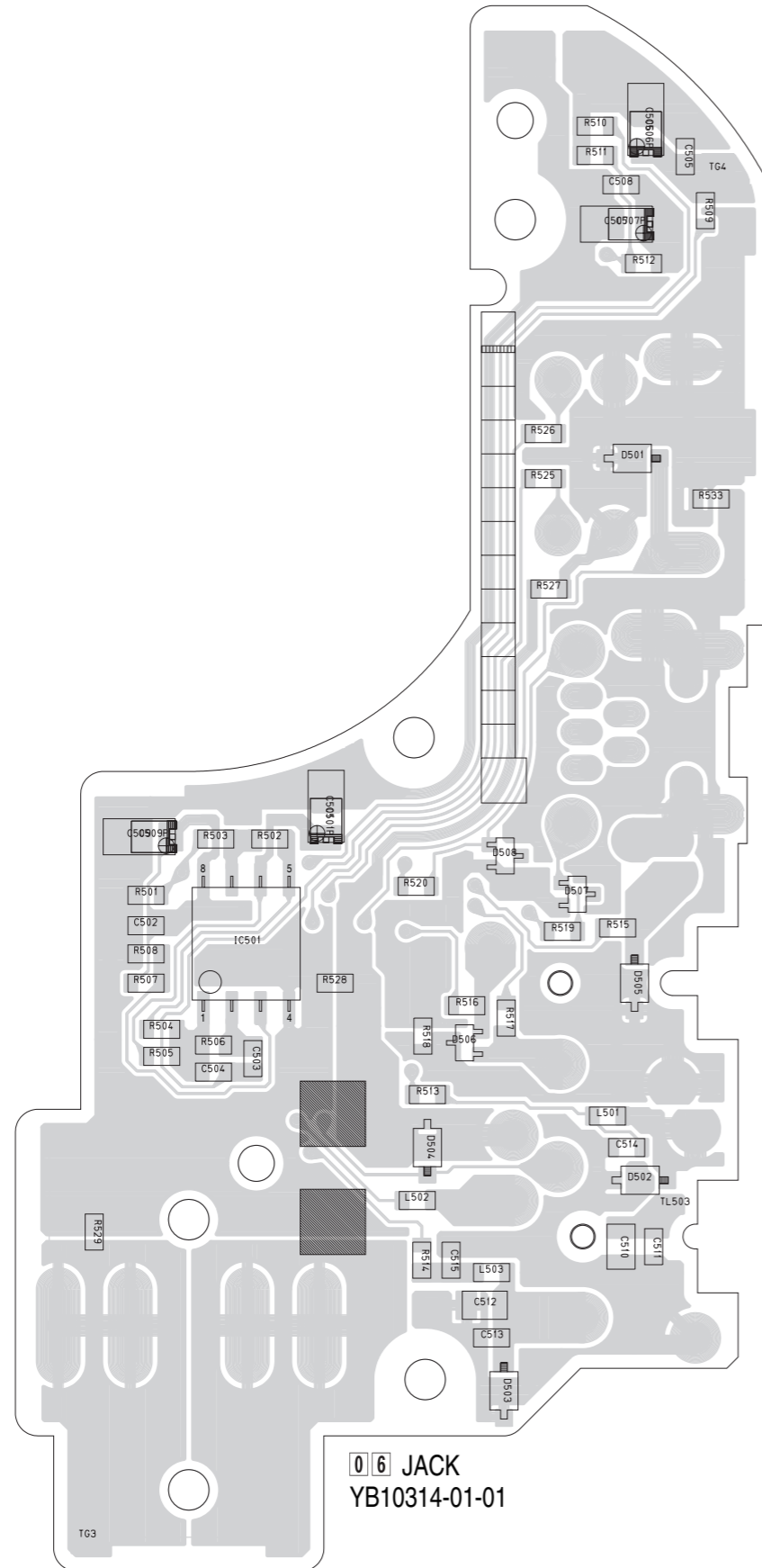
COMPONENT SIDE(A)

03 LCD BL
YB10324-01-02

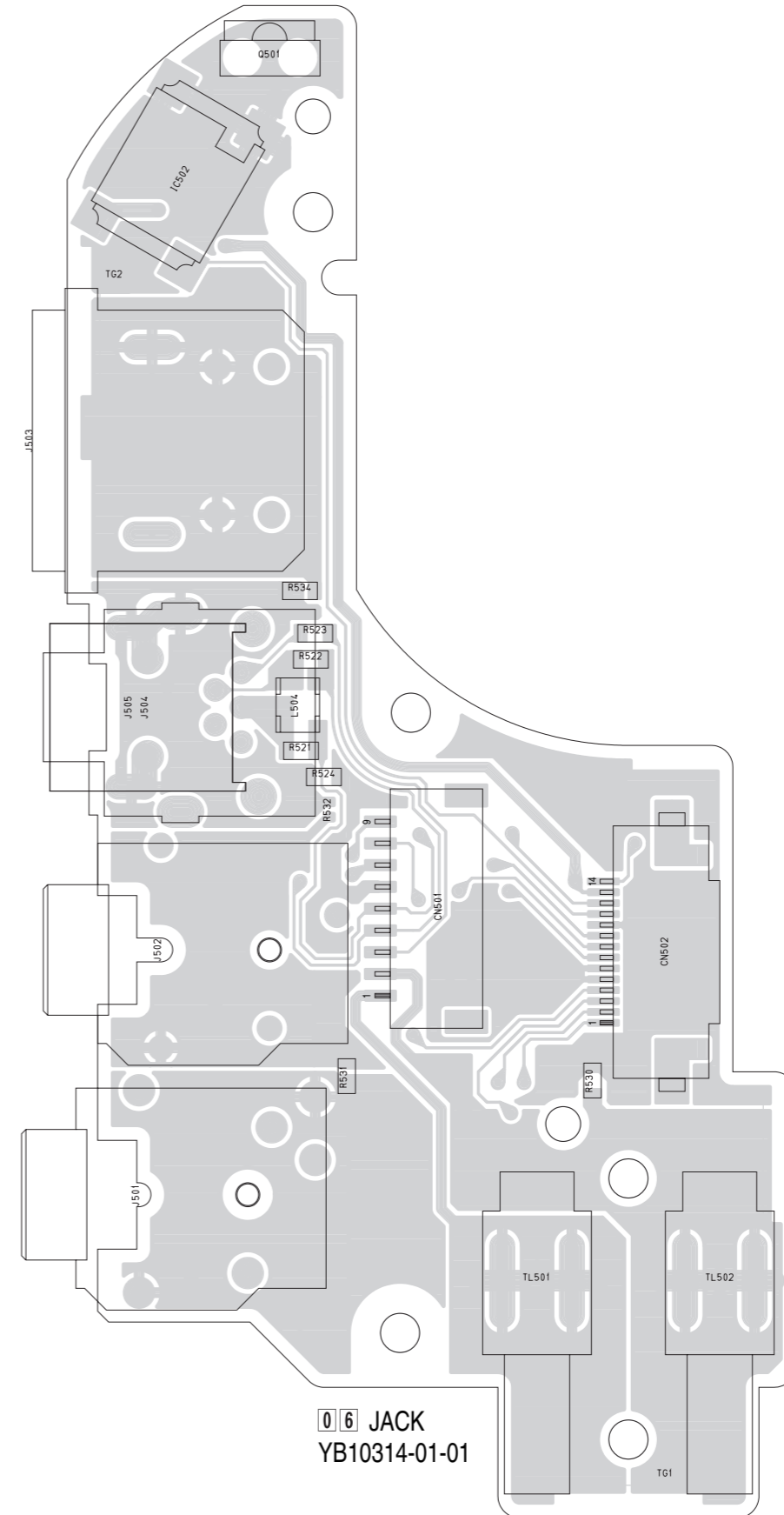


4.29 JACK CIRCUIT BOARD

FOIL SIDE(B)



COMPONENT SIDE(A)



4.30 VOLTAGE CHARTS

<SYSCON>

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC1001 | - | - |
| IC1002 | | |
| 1 | 0 | 0 |
| 2 | 3.0 | 3.0 |
| 3 | 1.5 | 1.5 |
| 4 | 0 | 0 |
| 5 | 2.9 | 2.9 |
| 6 | 0.5 | 0.5 |
| 7 | 0.5 | 0.5 |
| 8 | 3.1 | 3.1 |
| IC1003 | | |
| 1 | 3.0 | 3.0 |
| 2 | 0.7 | 0.7 |
| 3 | 2.9 | 3.0 |
| 4 | 0 | 0 |
| 5 | 0.6 | 0.7 |
| 6 | 3.0 | 3.0 |
| 7 | 2.9 | 2.9 |
| 8 | 2.9 | 2.9 |
| IC1004 | | |
| 1 | 1.4 | 1.4 |
| 2 | 0 | 0 |
| 3 | 1.3 | 1.3 |
| 4 | 0 | 0 |
| 5 | 3.0 | 3.0 |
| IC1005 | | |
| 1 | 0 | 0 |
| 2 | 3.0 | 3.0 |
| 3 | 0 | 0 |
| 4 | 3.0 | 3.0 |
| 5 | 3.0 | 3.0 |
| IC1006 | | |
| 1 | 2.7 | 2.7 |
| 2 | 0.5 | 0.5 |
| 3 | 0 | 0 |
| 4 | 3.0 | 3.0 |
| 5 | 3.0 | 3.0 |
| 6 | 3.0 | 3.0 |
| 7 | 1.3 | 1.3 |
| 8 | 1.4 | 1.4 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 2.9 | 2.9 |
| 20 | 2.7 | 2.7 |
| IC1007 | | |
| 1 | 3.0 | 3.0 |
| 2 | 3.0 | 3.0 |
| 3 | 3.0 | 3.0 |
| 4 | 3.0 | 3.0 |
| 5 | 3.0 | 3.0 |
| 6 | 3.0 | 3.0 |
| 7 | 0 | 0 |
| 8 | 3.0 | 3.0 |
| 9 | 3.0 | 3.0 |
| 10 | 3.0 | 3.0 |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| 11 | 1.3 | 1.3 |
| 12 | 1.5 | 1.5 |
| 13 | 3.0 | 3.0 |
| 14 | 3.0 | 3.0 |
| IC1008 | | |
| 1 | 3.0 | 3.0 |
| 2 | 1.0 | 1.0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0.5 |
| 6 | 3.0 | 3.0 |
| 7 | 0 | 0 |
| 8 | 3.0 | 0 |
| IC1009 | | |
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 3.0 | 3.0 |
| 4 | 3.0 | 3.0 |
| Q1001 | | |
| E | 0 | 0 |
| C | 0 | 0 |
| B | 0 | 0 |
| Q1002 | | |
| E | 0 | 0 |
| C | 3.0 | 3.0 |
| B | 0.6 | 0.6 |
| Q1003 | | |
| E | 0 | 0 |
| C | 0.5 | 0.5 |
| B | 0 | 0 |
| Q1004 | | |
| E | 3.1 | 3.1 |
| C | 0 | 0 |
| B | 3.1 | 3.1 |
| Q1005 | | |
| E | 0 | 0 |
| C | 3.1 | 3.1 |
| B | 0 | 0 |
| Q1006 | | |
| E | 2.9 | 0 |
| C | 2.9 | 0 |
| B | 0 | 3.0 |
| Q1007 | | |
| E | 0 | 0 |
| C | 0 | 3.0 |
| B | 3.1 | 0 |

<PC IF>

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC1303 | | |
| 1 | 3.0 | 3.0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 3.0 | 3.0 |
| IC1304 | | |
| 1 | 3.0 | 3.0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 3.0 | 3.0 |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| Q1301 | | |
| E | 0 | 0 |
| C | 0 | 0 |
| B | 0 | 0 |

<VTR CPU>

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC1401 | - | - |
| IC1403 | | |
| 1 | 3.0 | 3.0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0 | 0 |
| 7 | 3.0 | 3.0 |
| 8 | 3.0 | 3.0 |
| IC1404 | | |
| 1 | - | - |
| 2 | 2.9 | 2.9 |
| 3 | - | - |
| 4 | 0 | 0 |
| 5 | - | - |
| 6 | 0 | 0 |
| 7 | - | - |
| 8 | 2.9 | 2.9 |
| Q1401 | | |
| 1 | 3.0 | 3.0 |
| 2 | 3.0 | 3.0 |
| 3 | 3.0 | 3.0 |
| Q1402 | | |
| 1(E) | 0 | 0 |
| 2(B) | 3.0 | 3.0 |
| 3(E) | 3.0 | 3.0 |
| 4(C) | 2.7 | 2.7 |
| 5(C) | 0 | 0 |
| Q1403 | | |
| 1(E) | 0 | 0 |
| 2(B) | 0 | 0 |
| 3(E) | 3.0 | 3.0 |
| 4(C) | 0 | 0 |
| 5(C) | 3.0 | 3.0 |
| Q1404 | | |
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 3.0 | 3.0 |

<MDA>

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC1601 | | |
| 1 | 0 | 0 |
| 2 | 0.8 | 0.8 |
| 3 | 0.8 | 0 |
| 4 | 0 | 0 |
| 5 | 0.8 | 0 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |

| MODE PIN NO. | REC | PLAY |
|--------------|------|------|
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 4.7 | 4.7 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 0 | 0 |
| 20 | 0.4 | 0.4 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0.9 | 0.9 |
| 24 | 11.0 | 11.0 |
| 25 | 1.5 | 1.5 |
| 26 | 0 | 0 |
| 27 | 1.5 | 1.5 |
| 28 | 1.5 | 1.5 |
| 29 | 1.5 | 1.5 |
| 30 | 1.5 | 1.5 |
| 31 | 1.5 | 1.5 |
| 32 | 1.5 | 1.5 |
| 33 | 1.4 | 0 |
| 34 | 1.4 | 0 |
| 35 | 0 | 0 |
| 36 | 2.9 | 2.9 |
| 37 | 0 | 0 |
| 38 | 0.6 | 0.6 |
| 39 | 0 | 0.6 |
| 40 | 0 | 1.2 |
| 41 | 1.5 | 0 |
| 42 | 0.5 | 0.7 |
| 43 | 2.9 | 2.9 |
| 44 | 0 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 0 |
| 47 | 0.9 | 2.9 |
| 48 | 0 | 0 |
| 49 | 2.9 | 2.9 |
| 50 | 1.9 | 1.9 |
| 51 | 0 | 0 |
| 52 | 1.6 | 1.6 |
| 53 | 0 | 1.1 |
| 54 | 0.4 | 0.7 |
| 55 | 0.6 | 0.6 |
| 56 | 0.7 | 0.7 |
| 57 | 1.0 | 1.0 |
| 58 | 0.6 | 0.6 |
| 59 | 0 | 0 |
| 60 | 1.0 | 1.0 |
| 61 | 2.6 | 0 |
| 62 | 0 | 1.2 |
| 63 | 0 | 1.5 |
| 64 | 0 | 1.5 |
| 65 | 0 | 1.4 |
| 66 | 0 | 0 |
| 67 | 0 | 1.5 |
| 68 | 0.4 | 0 |
| 69 | 0 | 0 |
| 70 | 0 | 0.8 |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| 71 | 0 | 0.8 |
| 72 | 0 | 0.8 |
| 73 | 0.8 | 0 |
| 74 | 1.1 | 0 |
| 75 | 0 | 0 |
| 76 | 0 | 0 |
| 77 | 0 | 0 |
| 78 | 0 | 1.7 |
| 79 | 0 | 0 |
| 80 | 0 | 0 |
| Q1601 | | |
| 1(E) | 0 | 0 |
| 2(B) | 0 | 0 |
| 3(E) | 4.8 | 4.8 |
| 4(C) | 0 | 0 |
| 5(C) | 4.8 | 4.8 |

<AUDIO>

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC2001 | | |
| 1 | 2.0 | 2.0 |
| 2 | 2.0 | 2.0 |
| 3 | 2.0 | 2.0 |
| 4 | 2.0 | 2.0 |
| 5 | 1.5 | 1.5 |
| 6 | 1.5 | 1.5 |
| 7 | 1.5 | 1.5 |
| 8 | 0 | 0 |
| 9 | 3.0 | 3.0 |
| 10 | 1.5 | 1.5 |
| 11 | 1.5 | 1.5 |
| 12 | 1.5 | 1.5 |
| 13 | 1.5 | 1.5 |
| 14 | 1.5 | 1.5 |
| 15 | 1.5 | 1.5 |
| 16 | 1.5 | 1.5 |
| 17 | 1.5 | 1.5 |
| 18 | 1.5 | 0 |
| 19 | 1.5 | 2.3 |
| 20 | 2.3 | 2.3 |
| 21 | 1.5 | 1.4 |
| 22 | 2.3 | 2.3 |
| 23 | 2.3 | 2.3 |
| 24 | 4.7 | 4.7 |
| 25 | 2.3 | 2.3 |
| 26 | 0 | 0 |
| 27 | 2.9 | 2.9 |
| 28 | 0 | 0 |
| 29 | 1.5 | 1.5 |
| 30 | 1.5 | 1.5 |
| 31 | 1.5 | 1.7 |
| 32 | 2.9 | 1.7 |
| 33 | 3.0 | 3.0 |
| 34 | 1.5 | 1.5 |
| 35 | 1.5 | 1.5 |
| 36 | 1.5 | 1.5 |
| 37 | 3.0 | 3.1 |
| 38 | 2.4 | 3.1 |
| 39 | 0 | 0 |
| 40 | 2.4 | 2.4 |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| 41 | 0 | 0 |
| 42 | 0 | 0 |
| 43 | 4.8 | 4.8 |
| 44 | 1.5 | 1.5 |
| 45 | 2.0 | 2.0 |
| 46 | 2.0 | 2.0 |
| 47 | 2.0 | 2.0 |
| 48 | 2.0 | 2.0 |
| 49 | 2.0 | 2.0 |
| 50 | 2.0 | 2.0 |
| 51 | 2.0 | 2.0 |
| 52 | 2.6 | 2.6 |
| 53 | 2.0 | 2.0 |
| 54 | 2.0 | 2.0 |
| 55 | 4.0 | 4.0 |
| 56 | 2.0 | 2.0 |
| 57 | 0 | 0 |
| 58 | 4.0 | 4.0 |
| 59 | 2.0 | 2.0 |
| 60 | 2.0 | 2.0 |
| 61 | 2.0 | 2.0 |
| 62 | 2.0 | 2.0 |
| 63 | 2.0 | 2.0 |
| 64 | 2.0 | 2.0 |
| Q2001 | | |
| 1(E) | 0 | 0 |
| 2(B) | 0 | 0 |
| 3(C) | 0 | 0 |
| 4(E) | 0 | 0 |
| 5(B) | 0 | 0 |
| 6(C) | 0 | 0 |
| Q2002 | | |
| E | 4.1 | 4.1 |
| C | 4.8 | 4.8 |
| B | 4.7 | 4.7 |
| Q2004 | | |
| E | 0 | 0 |
| C | 0 | 0 |
| B | 0.7 | 0.7 |

<DV MAIN>

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC3001 | - | - |
| IC3002 | | |
| 1 | 0 | 0.4 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0.5 | 1.5 |
| 5 | 0.7 | 0 |
| 6 | 2.9 | 0 |
| 7 | 0 | 0 |
| 8 | 3.0 | 2.9 |
| IC3003 | | |
| 1 | 3.0 | 2.9 |
| 2 | 1.0 | 0.9 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0.5 | 1.5 |
| 7 | 2.3 | 2.3 |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| 8 | 3.0 | 2.9 |
| IC3004 | | |
| 1 | 0.5 | 0 |
| 2 | 0.5 | 0 |
| 3 | 0 | 0 |
| 4 | 0.8 | 2.9 |
| 5 | 2.9 | 2.9 |
| IC3006 | | |
| 1 | 2.9 | 2.9 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 2.9 | 2.9 |
| 6 | 0 | 0 |
| 7 | 1.0 | 1.5 |
| 8 | 1.3 | 0.7 |
| 9 | 1.3 | 1.3 |
| 10 | 0 | 0 |
| 11 | 0 | 0 |
| 12 | 2.9 | 2.9 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0.5 | 0.5 |
| 16 | 0 | 0 |

<PRE/REC>

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC3501 | | |
| 1 | 0 | 0 |
| 2 | 1.1 | 1.1 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0 | 2.5 |
| 6 | 3.3 | 0 |
| 7 | 1.4 | 0 |
| 8 | 0 | 0 |
| 9 | 1.6 | 3.0 |
| 10 | 0 | 1.6 |
| 11 | 3.0 | 0 |
| 12 | 0 | 0 |
| 13 | 4.8 | 4.8 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 3.7 | 1.7 |
| 19 | 3.4 | 1.7 |
| 20 | 3.5 | 0 |
| 21 | 3.7 | 1.7 |
| 22 | 0 | 0 |
| 23 | 3.7 | 1.7 |
| 24 | 3.5 | 1.7 |
| 25 | 3.5 | 1.7 |
| 26 | 3.7 | 1.7 |
| 27 | 0 | 0 |
| 28 | 2.3 | 2.5 |
| 29 | 3.4 | 1.7 |
| 30 | 3.4 | 1.7 |
| 31 | 2.4 | 2.5 |
| 32 | 0 | 0 |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| 33 | 0 | 0 |
| 34 | 0 | 0 |
| 35 | 1.8 | 1.8 |
| 36 | 0.4 | 0 |
| 37 | 3.0 | 3.0 |
| 38 | 0 | 3.0 |
| 39 | 3.0 | 3.0 |
| 40 | 1.5 | 1.5 |
| 41 | 0 | 3.0 |
| 42 | 3.0 | 0 |
| 43 | 4.8 | 4.8 |
| 44 | 2.9 | 0 |
| 45 | 0 | 0 |
| 46 | 0 | 1.9 |
| 47 | 0 | 2.0 |
| 48 | 4.7 | 3.0 |
| 49 | 4.4 | 2.8 |
| 50 | 0.4 | 1.6 |
| 51 | 1.2 | 1.2 |
| 52 | 0.8 | |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| Q3954 | | |
| E | 0 | 0 |
| C | 4.8 | 4.8 |
| B | 0 | 0 |

<CAM DSP>

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC4201 | | |
| 1 | 0 | 0 |
| 2 | 1.1 | 0 |
| 3 | 1.1 | 0 |
| 4 | 1.0 | 0 |
| 5 | 0.7 | 0 |
| 6 | 0.7 | 0 |
| 7 | 2.2 | 3.0 |
| 8 | 0.5 | 0 |
| 9 | 0.7 | 0 |
| 10 | 0.4 | 0 |
| 11 | 0 | 0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 2.9 | 3.0 |
| 16 | 1.2 | 0 |
| 17 | 2.8 | 0 |
| 18 | 2.1 | 0 |
| 19 | 0 | 0 |
| 20 | 2.4 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 3.0 | 0 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 1.9 | 0 |
| 27 | 1.4 | 0 |
| 28 | 1.9 | 0 |
| 29 | 2.1 | 0 |
| 30 | 0 | 0 |
| 31 | 3.0 | 3.0 |
| 32 | 1.9 | 0 |
| 33 | 0.9 | 0 |
| 34 | 1.4 | 0 |
| 35 | 1.2 | 0 |
| 36 | 0 | 0 |
| 37 | 0 | 0 |
| 38 | 3.0 | 3.0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | 3.0 | 3.0 |
| 42 | 0 | 0 |
| 43 | 3.0 | 3.0 |
| 44 | 3.0 | 0 |
| 45 | 0 | 1.5 |
| 46 | 3.0 | 3.0 |
| 47 | 0 | 0 |
| 48 | 0 | 0 |
| IC4202 | | |
| 1 | 4.8 | 4.8 |
| 2 | 0 | 0 |
| 3 | 1.2 | 1.2 |

<OP DRIVE>

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| 4 | 3.0 | 3.0 |
| 5 | 4.8 | 4.8 |
| IC4301 | - | - |
| IC4302 | | |
| 1 | 0 | 0 |
| 2 | 0 | 1.4 |
| 3 | 1.4 | 0.9 |
| 4 | 0.9 | 0.9 |
| 5 | 0.9 | 0.9 |
| 6 | 0.9 | 0.9 |
| 7 | 0.8 | 0.8 |
| 8 | 1.2 | 1.2 |
| 9 | 1.2 | 1.3 |
| 10 | 1.8 | 1.9 |
| 11 | 1.0 | 1.1 |
| 12 | 1.2 | 1.0 |
| 13 | 1.2 | 1.1 |
| 14 | 1.3 | 1.1 |
| 15 | 1.3 | 1.4 |
| 16 | 0 | 0 |
| 17 | 2.7 | 2.6 |
| 18 | 2.9 | 2.9 |
| 19 | 0 | 3.0 |
| 20 | 0 | 0 |
| 21 | 3.0 | 3.0 |
| 22 | 2.7 | 2.7 |
| 23 | 2.7 | 2.7 |
| 24 | 0 | 0 |
| 25 | 1.3 | 1.5 |
| 26 | 1.5 | 1.4 |
| 27 | 1.4 | 1.3 |
| 28 | 1.3 | 1.3 |
| 29 | 1.2 | 1.2 |
| 30 | 1.8 | 1.8 |
| 31 | 1.5 | 1.5 |
| 32 | 1.4 | 1.3 |
| 33 | 1.1 | 1.1 |
| 34 | 1.2 | 1.3 |
| 35 | 1.1 | 0 |
| 36 | 1.1 | 1.2 |
| 37 | 1.6 | 1.6 |
| 38 | 0 | 0 |
| Q4301 | | |
| 1(E) | 0.9 | 0.9 |
| 2(E) | 0.9 | 0.9 |
| 3(B) | 0 | 0 |
| 4(C) | 0 | 0 |
| 5(B) | 0 | 0 |
| 6(C) | 0 | 0 |
| Q4302 | | |
| 1(E) | 1.2 | 1.2 |
| 2(E) | 0 | 0.9 |
| 3(B) | 0 | 0 |
| 4(C) | 0 | 0 |
| 5(B) | 0.6 | 0.6 |
| 6(C) | 0 | 0 |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC4802 | | |
| 1 | 2.9 | 2.9 |
| 2 | 2.6 | 2.6 |
| 3 | 2.6 | 2.6 |
| 4 | 0 | 0 |
| 5 | 2.6 | 2.6 |
| 6 | 2.6 | 2.6 |
| 7 | 2.6 | 2.6 |
| 8 | 4.7 | 4.7 |
| IC4803 | | |
| 1 | 1.0 | 1.0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 2.6 | 2.6 |
| 6 | 2.6 | 2.6 |
| 7 | 2.4 | 3.3 |
| 8 | 4.7 | 4.8 |
| IC4804 | | |
| 1 | 2.2 | 0 |
| 2 | 2.4 | 3.0 |
| 3 | 2.4 | 2.9 |
| 4 | 0 | 0 |
| 5 | 1.8 | 3.0 |
| 6 | 1.8 | 3.0 |
| 7 | 1.2 | 0 |
| 8 | 4.7 | 4.8 |
| IC4806 | | |
| 1 | 2.4 | 3.0 |
| 2 | 2.4 | 3.0 |
| 3 | 2.4 | 3.0 |
| 4 | 0 | 0 |
| 5 | 3.0 | 3.0 |
| 6 | 0.6 | 0 |
| 7 | 0.6 | 0 |
| 8 | 3.0 | 3.0 |
| IC4851 | | |
| 1 | 0 | 0 |
| 2 | 0.6 | 0.6 |
| 3 | 0 | 0.4 |
| 4 | 0.4 | 0 |
| 5 | 0 | 0.4 |
| 6 | - | - |
| 7 | - | - |
| 8 | - | - |
| 9 | - | - |
| 10 | - | - |
| 11 | - | - |
| 12 | - | - |
| 13 | - | - |
| 14 | - | - |
| 15 | - | - |
| 16 | - | - |
| 17 | - | - |
| 18 | - | - |
| 19 | - | - |
| 20 | 0 | 0 |
| 21 | 0.7 | 0 |
| 22 | 0 | 0 |
| 23 | 4.8 | 4.8 |
| 24 | 0 | 0 |
| 25 | 0 | 0 |
| 26 | 0 | 0 |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| 27 | 4.8 | 4.8 |
| 28 | 0 | 0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 3.0 | 3.0 |
| 32 | 0 | 0 |
| 33 | 0 | 0 |
| 34 | 1.3 | 1.5 |
| 35 | 3.0 | 3.0 |
| 36 | 1.4 | 1.4 |
| 37 | 1.4 | 1.4 |
| 38 | 3.1 | 3.1 |
| Q4801 | | |
| E | 0 | 0 |
| C | 2.3 | 2.3 |
| B | 1.0 | 1.0 |
| Q4851 | | |
| E | 0 | 0 |
| C | 3.8 | 3.8 |
| B | 0 | 0 |

<TG/DRV>

| MODE PIN NO. | REC | PLAY |
|--------------|------|------|
| IC5501 | | |
| 1 | -0.5 | -0.7 |
| 2 | 2.4 | 0 |
| 3 | 2.9 | 0 |
| 4 | 2.9 | 2.9 |
| 5 | 0 | 0 |
| 6 | 2.9 | 2.9 |
| 7 | 0 | 0 |
| 8 | 0.5 | 0 |
| 9 | 0 | 0 |
| 10 | 2.9 | 2.9 |
| 11 | 1.4 | 0 |
| 12 | 2.9 | 2.9 |
| 13 | 0 | 0 |
| 14 | 1.2 | 0 |
| 15 | 0 | 0 |
| 16 | 2.9 | 2.9 |
| 17 | 2.2 | 0 |
| 18 | 2.2 | 0 |
| 19 | 2.2 | 0 |
| 20 | 0 | 0 |
| 21 | 0 | 0 |
| 22 | 0 | 0 |
| 23 | 0 | 0 |
| 24 | 2.9 | 2.9 |
| 25 | 1.3 | 0 |
| 26 | 3.0 | 3.0 |
| 27 | 0 | 0 |
| 28 | 1.2 | 1.8 |
| 29 | 0 | 0 |
| 30 | 1.3 | 1.5 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 2.9 | 2.9 |
| 34 | 1.5 | 0 |
| 35 | 1.2 | 0 |
| 36 | 2.9 | 0 |

| MODE PIN NO. | REC | PLAY |
|--------------|------|------|
| 37 | 2.9 | 0 |
| 38 | 3.0 | 3.0 |
| 39 | 0 | 0 |
| 40 | 0 | 0 |
| 41 | -6.3 | 0 |
| 42 | 0 | 11.9 |
| 43 | 11.9 | 11.9 |
| 44 | -6.2 | 11.9 |
| 45 | -6.6 | -6.7 |
| 46 | -6.6 | 0 |
| 47 | 0 | 0 |
| 48 | 2.9 | 0 |

<REG>

| MODE PIN NO. | REC | PLAY |
|--------------|------|------|
| IC6001 | | |
| 1 | 8.0 | 8.0 |
| 2 | 10.4 | 10.4 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| IC6101 | | |
| 1 | 3.1 | 3.1 |
| 2 | 3.1 | 3.1 |
| 3 | 3.1 | 3.1 |
| 4 | 1.5 | 1.5 |
| 5 | 3.1 | 3.1 |
| 6 | 0 | 0 |
| 7 | 1.3 | 1.3 |
| 8 | 11.0 | 11.0 |
| 9 | 1.0 | 1.0 |
| 10 | 1.2 | 1.2 |
| 11 | 2.1 | 2.1 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0 | 0 |
| 16 | 0 | 0 |
| 17 | 0 | 0 |
| 18 | 0 | 0 |
| 19 | 2.2 | 2.2 |
| 20 | 0.9 | 0.9 |
| 21 | 0 | 0 |
| 22 | 2.2 | 2.2 |
| 23 | 1.0 | 1.0 |
| 24 | 0.6 | 0.6 |
| 25 | 1.0 | 1.0 |
| 26 | 0.5 | 0.5 |
| 27 | 1.0 | 1.0 |
| 28 | 0.8 | 0.8 |
| 29 | 1.0 | 1.0 |
| 30 | 0.9 | 0.9 |
| 31 | 0 | 0 |
| 32 | 0 | 0 |
| 33 | 0.5 | 0.5 |
| 34 | 0 | 0 |
| 35 | 0 | 0 |
| 36 | 0.5 | 0.5 |
| 37 | 0.8 | 0.8 |
| 38 | 0 | 0 |
| 39 | 1.0 | 1.0 |

| MODE PIN NO. | REC | PLAY |
|--------------|------|------|
| 40 | 0 | 0 |
| 41 | 2.4 | 2.4 |
| 42 | 1.1 | 1.1 |
| 43 | 0 | 0 |
| 44 | 2.1 | 2.1 |
| 45 | 2.1 | 2.1 |
| 46 | 2.1 | 2.1 |
| 47 | 8 | 8 |
| 48 | 1.0 | 1.0 |
| 49 | 1.1 | 1.1 |
| 50 | 2.1 | 2.1 |
| 51 | 11.0 | 11.0 |
| 52 | 0 | 0 |
| 53 | 10.2 | 10.2 |
| 54 | 9.4 | 9.4 |
| 55 | 4.7 | 4.7 |
| 56 | 6.1 | 6.1 |
| 57 | 9.3 | 9.3 |
| 58 | 7.9 | 7.9 |
| 59 | 0 | 0 |
| 60 | 11.0 | 11.0 |
| 61 | 0 | 0 |
| 62 | 10.3 | 10.3 |
| 63 | 1.3 | 1.3 |
| 64 | 1.0 | 1.0 |
| Q6001 | | |
| E | 0 | 0 |
| C | 0 | 0 |
| B | 3.0 | 3.0 |
| Q6002 | | |
| D | 10.4 | 10.4 |
| S | 0 | 0 |
| G | 0 | 0 |
| Q6003 | | |
| D | 0 | 0 |
| S | 4.1 | 4.1 |
| G | 0 | 3.1 |
| Q6004 | | |
| E | 11.0 | 11.0 |
| C | 3.0 | 3.0 |
| B | 10.4 | 10.4 |
| Q6101 | | |
| D | 0 | 0 |
| S | 0 | 0 |
| G | 3.0 | 3.0 |
| Q6201 | | |
| D | 3.0 | 3.0 |
| S | 11.0 | 11.0 |
| G | 7.9 | 7.9 |
| Q6202 | | |
| E | 0 | 3.0 |
| C | 2.5 | 2.5 |
| B | 2.3 | 2.3 |
| Q6203 | | |
| 1(D) | 1.8 | 1.8 |
| 2(D) | 1.8 | 1.8 |
| 3(G) | 9.3 | 9.3 |
| 4(S) | 11.0 | 11.0 |
| 5(D) | 1.8 | 1.8 |

| MODE PIN NO. | REC | PLAY |
|--------------|------|------|
| 6(D) | 1.8 | 1.8 |
| Q6204 | | |
| D | 4.8 | 4.8 |
| S | 11.0 | 11.0 |
| G | 6.2 | 6.2 |
| Q6205 | | |
| E | 4.8 | 4.8 |
| C | 0 | 0 |
| B | 4.8 | 4.8 |
| Q6206 | | |
| E | 0 | 0 |
| C | 4.8 | 4.8 |
| B | 0 | 0 |
| Q6207 | | |
| E | 0 | 0 |
| C | 4.8 | 4.8 |
| B | 0 | 0 |
| Q6208 | | |
| 1(D) | 1.7 | 1.7 |
| 2(D) | 1.7 | 1.7 |
| 3(G) | 9.4 | 9.4 |
| 4(S) | 11.0 | 11.0 |
| 5(D) | 1.7 | 1.7 |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| 24 | 1.0 | 1.0 |
| 25 | 0 | 0 |
| 26 | 1.0 | 1.0 |
| 27 | 1.0 | 1.0 |
| 28 | 1.0 | 1.0 |
| 29 | 1.0 | 1.0 |
| 30 | 1.0 | 1.0 |
| 31 | 0 | 0 |
| 32 | 0.8 | 0.6 |
| 33 | 0.8 | 0.6 |
| 34 | 0.8 | 0.6 |
| 35 | 0.8 | 0.6 |
| 36 | 1.0 | 1.0 |
| 37 | 0 | 1.0 |
| 38 | 1.0 | 1.0 |
| 39 | 1.0 | 1.0 |
| 40 | 1.0 | 1.0 |
| 41 | 1.0 | 1.0 |
| 42 | 0 | 0 |
| 43 | 0 | 0 |
| 44 | 1.0 | 1.0 |
| 45 | 1.0 | 1.0 |
| 46 | 0.9 | 0.6 |
| 47 | 0.9 | 0.6 |
| 48 | 0.9 | 0.6 |
| 49 | 0.9 | 0.6 |
| 50 | 0 | 0 |
| 51 | 1.0 | 1.0 |
| 52 | 1.0 | 1.0 |
| 53 | 1.0 | 1.0 |
| 54 | 1.0 | 1.0 |
| 55 | 1.0 | 1.0 |
| 56 | 0 | 0 |
| 57 | 1.3 | 1.0 |
| 58 | 1.0 | 1.0 |
| 59 | 0 | 0 |
| 60 | 0 | 0 |
| 61 | 1.0 | 1.0 |
| 62 | 1.0 | 1.0 |
| 63 | 1.0 | 1.0 |
| 64 | 1.0 | 1.0 |
| 65 | 0 | 0 |
| 66 | 0 | 0 |
| 67 | 1.0 | 1.0 |
| 68 | 1.0 | 1.0 |
| 69 | 1.0 | 1.0 |
| 70 | 1.0 | 1.0 |
| 71 | 1.0 | 1.0 |
| 72 | 1.0 | 1.0 |
| 73 | 0 | 1.0 |
| 74 | 0 | 1.0 |
| 75 | 1.0 | 0 |
| 76 | 0 | 1.0 |
| 77 | 0 | 1.0 |
| 78 | 0 | 1.0 |
| 79 | 0 | 1.0 |
| 80 | 1.0 | 1.0 |
| 81 | 1.0 | 0 |
| 82 | 0 | 0 |
| 83 | 1.0 | 1.0 |
| 84 | 0 | 0 |
| 85 | 1.0 | 1.0 |
| 86 | 1.0 | 1.0 |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| 87 | 1.0 | 1.0 |
| 88 | 1.0 | 1.0 |
| 89 | 1.0 | 1.0 |
| 90 | 0 | 0 |
| 91 | 1.0 | 1.0 |
| 92 | 0 | 0 |
| 93 | 1.0 | 1.0 |
| 94 | 0 | 1.0 |
| 95 | 1.0 | 1.0 |
| 96 | 0 | 0 |
| 97 | 0 | 0 |
| 98 | 0 | 0 |
| 99 | 0 | 0 |
| 100 | 0 | 0 |
| IC8003 | | |
| 1 | 1.0 | 1.0 |
| 2 | 1.0 | 1.0 |
| 3 | 1.0 | 1.0 |
| 4 | 1.0 | 1.0 |
| 5 | 1.0 | 1.0 |
| 6 | 1.0 | 1.0 |
| 7 | 1.0 | 1.0 |
| 8 | 1.0 | 1.0 |
| 9 | 1.0 | 1.0 |
| 10 | 0 | 0 |
| 11 | 1.0 | 1.0 |
| 12 | 0 | 0 |
| 13 | 0 | 0 |
| 14 | 0 | 0 |
| 15 | 0.7 | 0.7 |
| 16 | 1.0 | 1.6 |
| 17 | 1.0 | 1.0 |
| 18 | 1.0 | 1.0 |
| 19 | 1.0 | 1.0 |
| 20 | 1.0 | 1.0 |
| 21 | 1.0 | 0 |
| 22 | 1.0 | 1.0 |
| 23 | 1.0 | 1.0 |
| 24 | 1.0 | 1.0 |
| 25 | 1.0 | 1.0 |
| 26 | 1.0 | 1.0 |
| 27 | 0 | 0 |
| 28 | 1.0 | 1.0 |
| 29 | 0 | 0 |
| 30 | 0 | 0 |
| 31 | 1.0 | 1.0 |
| 32 | 0.9 | 0.7 |
| 33 | 1.0 | 1.0 |
| 34 | 0.9 | 0.7 |
| 35 | 1.0 | 1.0 |
| 36 | 0.8 | 0.8 |
| 37 | 1.0 | 1.0 |
| 38 | 0 | 0 |
| 39 | 0.9 | 0.7 |
| 40 | 0 | 0 |
| 41 | 0.9 | 0.7 |
| 42 | 0 | 0 |
| 43 | 0.9 | 0.7 |
| 44 | 0 | 0 |
| 45 | 0.9 | 0.7 |
| 46 | 0 | 0 |
| 47 | 1.0 | 1.0 |
| 48 | 1.0 | 1.0 |

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC8004 | | |
| 1 | 4.8 | 0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 1.0 | 1.0 |
| IC8006 | | |
| 1 | 0.5 | 0.5 |
| 2 | 0.5 | 0.5 |
| 3 | 1.0 | 1.0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 0.6 | 0.6 |
| 7 | 0.6 | 0.6 |
| 8 | 1.0 | 1.0 |
| IC8007 | | |
| 1 | 1.0 | 1.0 |
| 2 | 1.0 | 1.0 |
| 3 | 1.0 | 1.0 |
| 4 | 0 | 0 |
| 5 | 0 | 0 |
| 6 | 1.0 | 1.0 |
| 7 | 1.0 | 1.0 |
| 8 | 1.0 | 1.0 |
| IC8051 | | |
| 1 | 0.7 | 0.7 |
| 2 | 1.0 | 1.0 |
| 3 | 0 | 0 |
| 4 | 1.0 | 1.0 |
| 5 | 1.0 | 1.0 |
| IC8052 | | |
| 1 | 0.5 | 0.5 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| 5 | 0.7 | 0.7 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 1.0 | 1.0 |
| IC8401 | - | - |
| IC8402 | | |
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
| Q8001 | | |
| E | 4.8 | 4.8 |
| C | 1.0 | 1.0 |
| B | 4.8 | 4.8 |
| Q8401 | | |
| E | 3.3 | 3.3 |
| C | 0 | 3.3 |
| B | 1.5 | 1.5 |

<JACK>

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC501 | | |
| 1 | 1.9 | 1.9 |
| 2 | 1.9 | 1.9 |
| 3 | 1.9 | 1.9 |
| 4 | 0 | 0 |
| 5 | 1.9 | 1.9 |
| 6 | 1.9 | 1.9 |
| 7 | 1.4 | 1.4 |
| 8 | 4.8 | 4.8 |
| IC502 | | |
| 1 | 0 | 0 |
| 2 | 0 | 0 |
| 3 | 4.8 | 4.8 |
| 4 | 4.8 | 4.8 |
| Q501 | | |
| E | 0 | 0 |
| C | 4.2 | 4.2 |
| B | - | - |

<B/W VF>

| MODE PIN NO. | REC | PLAY |
|--------------|-----|------|
| IC7101 | - | - |
| Q7101 | - | - |

<MONITOR>

| MODE PIN NO. | EE |
|--------------|------|
| IC7601 | |
| 1 | 0 |
| 2 | 7.1 |
| 3 | 2.4 |
| 4 | 2.4 |
| 5 | 2.4 |
| 6 | 2.4 |
| 7 | 2.4 |
| 8 | 2.4 |
| 9 | 2.4 |
| 10 | 0 |
| 11 | 0 |
| 12 | 5.9 |
| 13 | 0 |
| 14 | 6.0 |
| 15 | 6.0 |
| 16 | 6.0 |
| 17 | 6.0 |
| 18 | 6.0 |
| 19 | 6.0 |
| 20 | 1.7 |
| 21 | 1.4 |
| 22 | 0 |
| 23 | 1.2 |
| 24 | 0.4 |
| 25 | 0 |
| 26 | 1.1 |
| 27 | 0.9 |
| 28 | 1.3 |
| 29 | 2.9 |
| 30 | 1.1 |
| 31 | 0 |
| 32 | 0.5 |
| 33 | 0 |
| 34 | 0 |
| 35 | 0 |
| 36 | 3.0 |
| 37 | 0 |
| 38 | 0 |
| 39 | 3.0 |
| 40 | 0.9 |
| 41 | 1.5 |
| 42 | 2.9 |
| 43 | 2.9 |
| 44 | 0 |
| 45 | 2.9 |
| 46 | 2.7 |
| 47 | 2.4 |
| 48 | 0 |
| IC7602 | |
| 1 | 11.8 |
| 2 | 0.5 |
| 3 | 0.5 |
| 4 | 0 |
| 5 | 4.8 |
| 6 | 4.8 |
| 7 | 7.1 |
| 8 | 11.9 |
| IC7603 | |
| 1 | 0.7 |
| 2 | 3.1 |
| 3 | 0 |
| 4 | 3.0 |

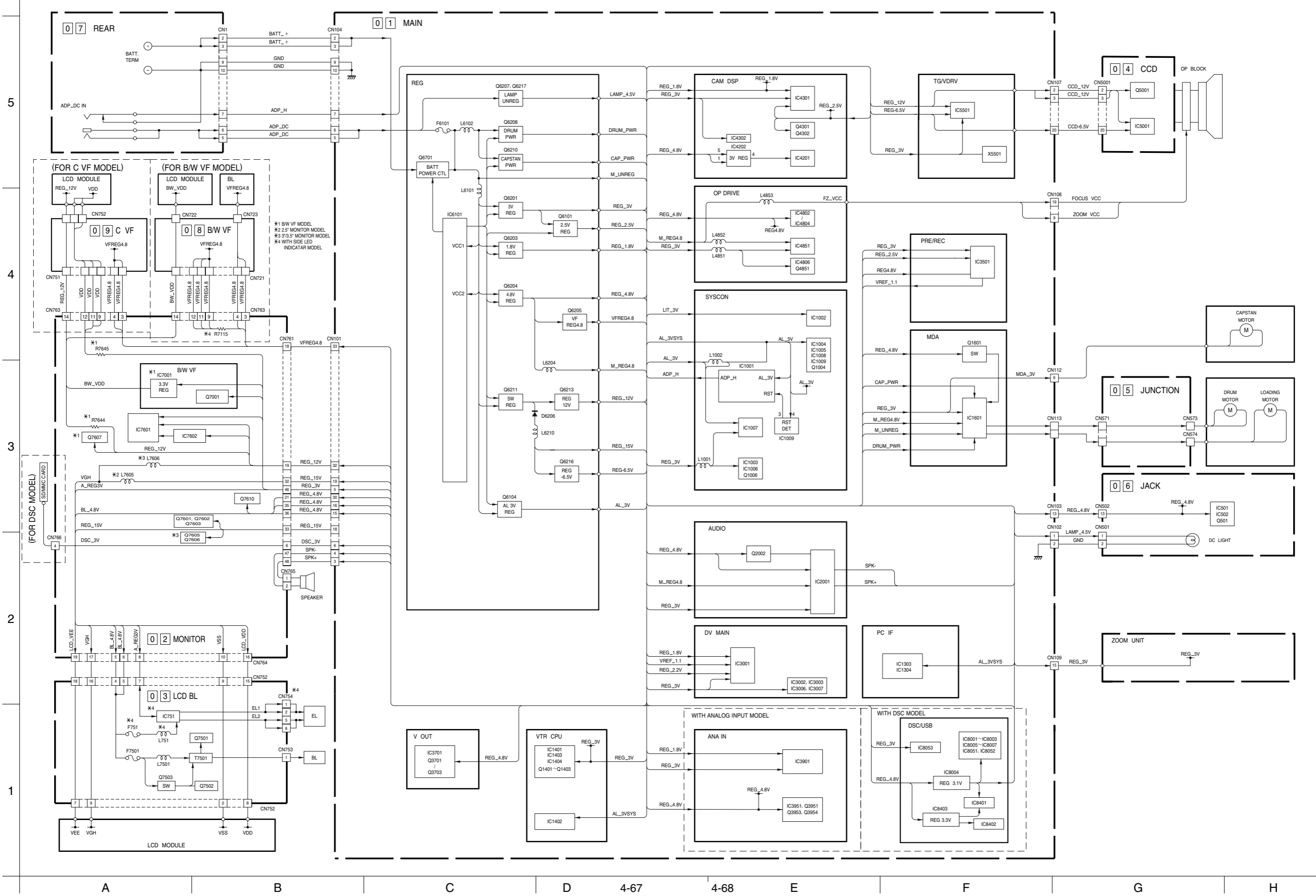
<LCD BL>

| MODE PIN NO. | EE |
|--------------|-------|
| 5 | 3.0 |
| 6 | 0.7 |
| 7 | 0 |
| 8 | 0 |
| IC7604 | |
| 1 | 1.0 |
| 2 | 3.0 |
| 3 | 2.3 |
| 4 | 1.0 |
| 5 | 3.1 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 1.0 |
| 10 | 0 |
| 11 | 0 |
| 12 | 1.0 |
| 13 | 0 |
| 14 | 3.0 |
| Q7601 | |
| E | -9.1 |
| C | 0 |
| B | -8.6 |
| Q7602 | |
| E | 0 |
| C | 0 |
| B | -8.5 |
| Q7603 | |
| E | -8.6 |
| C | 0 |
| B | -8.2 |
| Q7604 | |
| E | -8.6 |
| C | -14.7 |
| B | -9.1 |
| Q7605 | |
| E | 2.9 |
| C | 2.9 |
| B | 0 |
| Q7606 | |
| E | 0 |
| C | 0 |
| B | 2.9 |
| Q7607 | |
| 1(E) | 0 |
| 2(B) | 6.3 |
| 3(C) | 0 |
| 4(E) | 6.3 |
| 5(B) | 5.7 |
| 6(C) | 11.9 |
| Q7608 | |
| E | 0 |
| C | 0 |
| B | 3.1 |
| Q7609 | |
| E | 0 |
| C | 4.7 |
| B | 0 |
| Q7610 | |
| E | 4.8 |
| C | 1.4 |
| B | 4.7 |

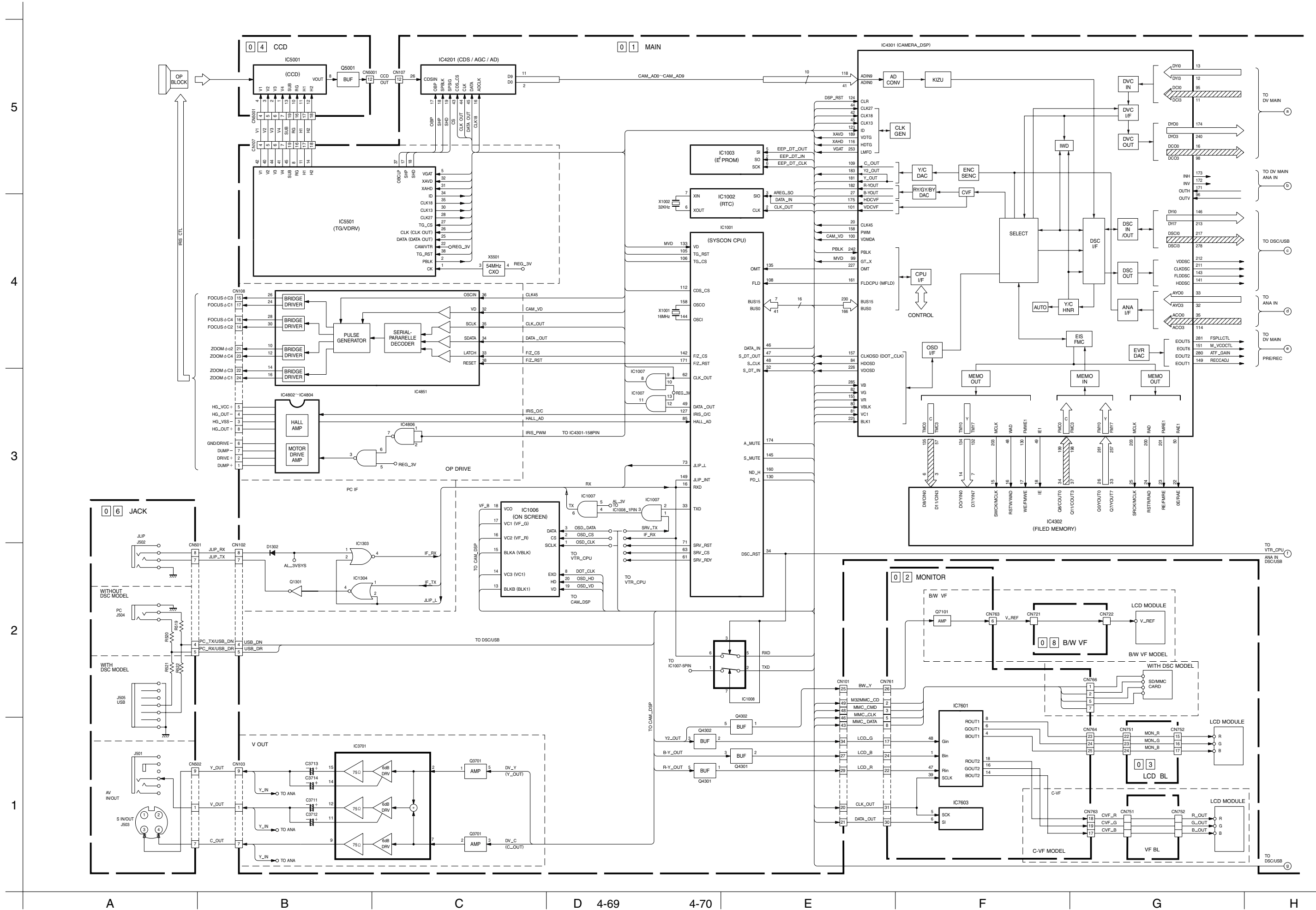
<CCD>

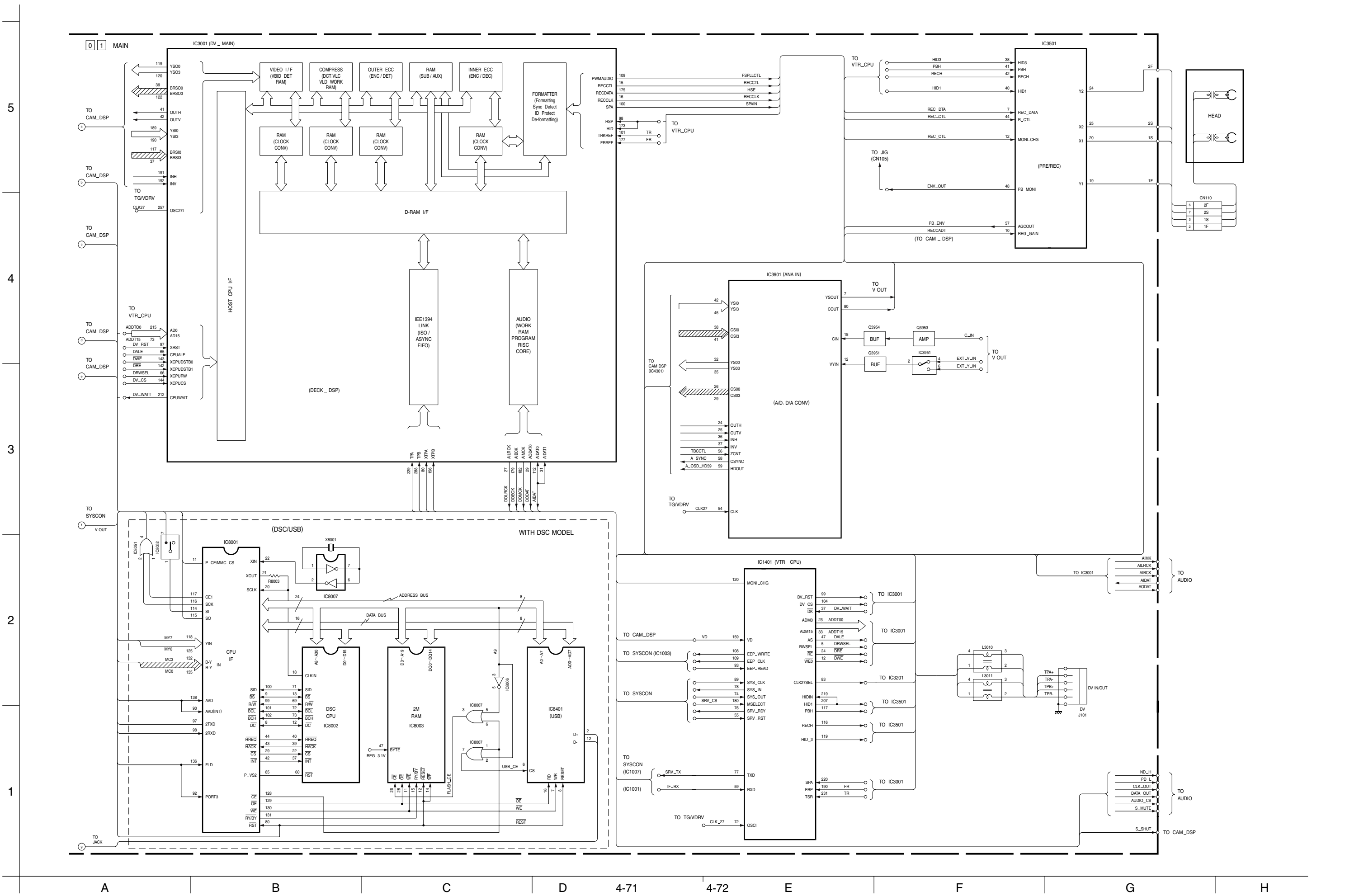
| MODE PIN NO. | EE |
|--------------|-----|
| Q5001 | |
| E | 0 |
| C | 8.1 |
| B | 0 |

4.31 POWER SYSTEM BLOCK DIAGRAM



4.32 VIDEO SYSTEM BLOCK DIAGRAM





5

4

3

2

1

A

B

C

D

4-71

4-72

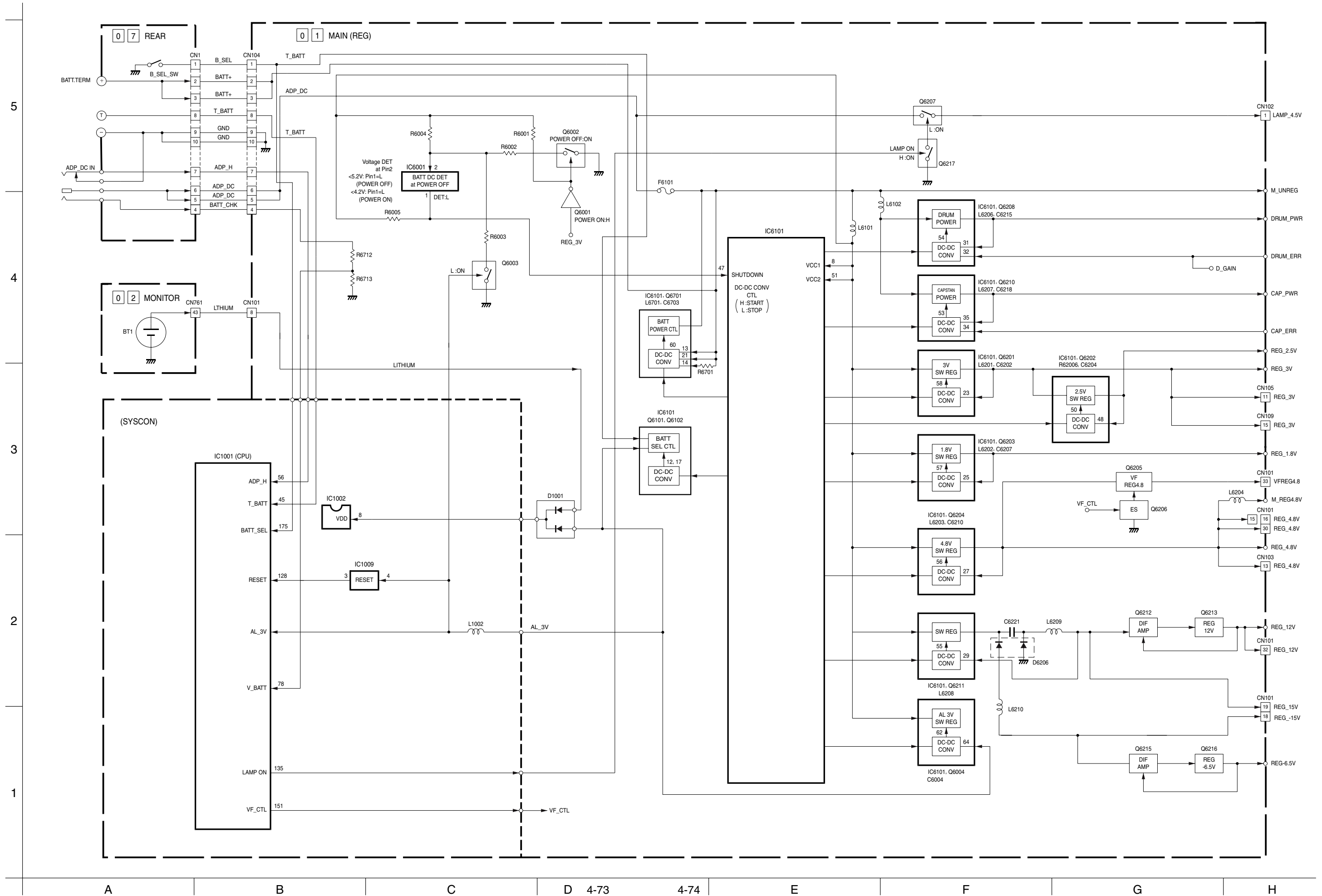
E

F

G

H

4.33 REGULATOR SYSTEM BLOCK DIAGRAM



4.34 AUDIO SYSTEM BLOCK DIAGRAM

