Preliminary

CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

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

1. Units of components on the schematic diagram

Unless otherwise specified.

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

Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only. When replacing the parts, refer to the Parts List.

2. Indications of control voltage

AUX : Active at high.

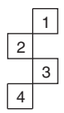
$\overline{AUX}$ or AUX(L) : Active at low.

3. Interpreting Connector indications

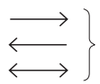
Removable connector

Wire soldered directly on board

Non-removable Board connector



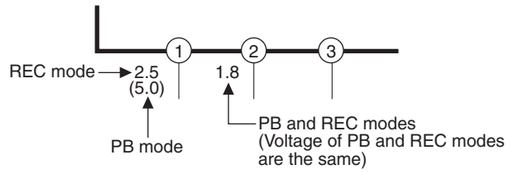
Board to Board


Connected pattern on board
The arrows indicate signal path

Note: For the destination of each signal and further line connections that are cut off from the diagram, refer to "BOARD INTERCONNECTIONS"

4. Voltage measurement

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

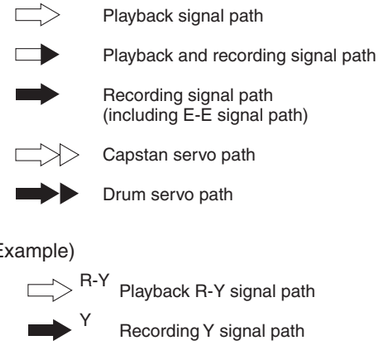


Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

5. Signal path Symbols

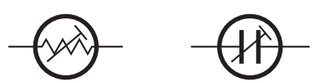
The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.



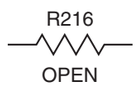
6. Indication of the parts for adjustments

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



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

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



CIRCUIT BOARD NOTES

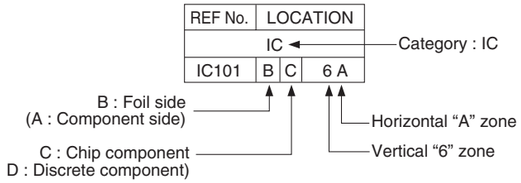
1. Foil and Component sides

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

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

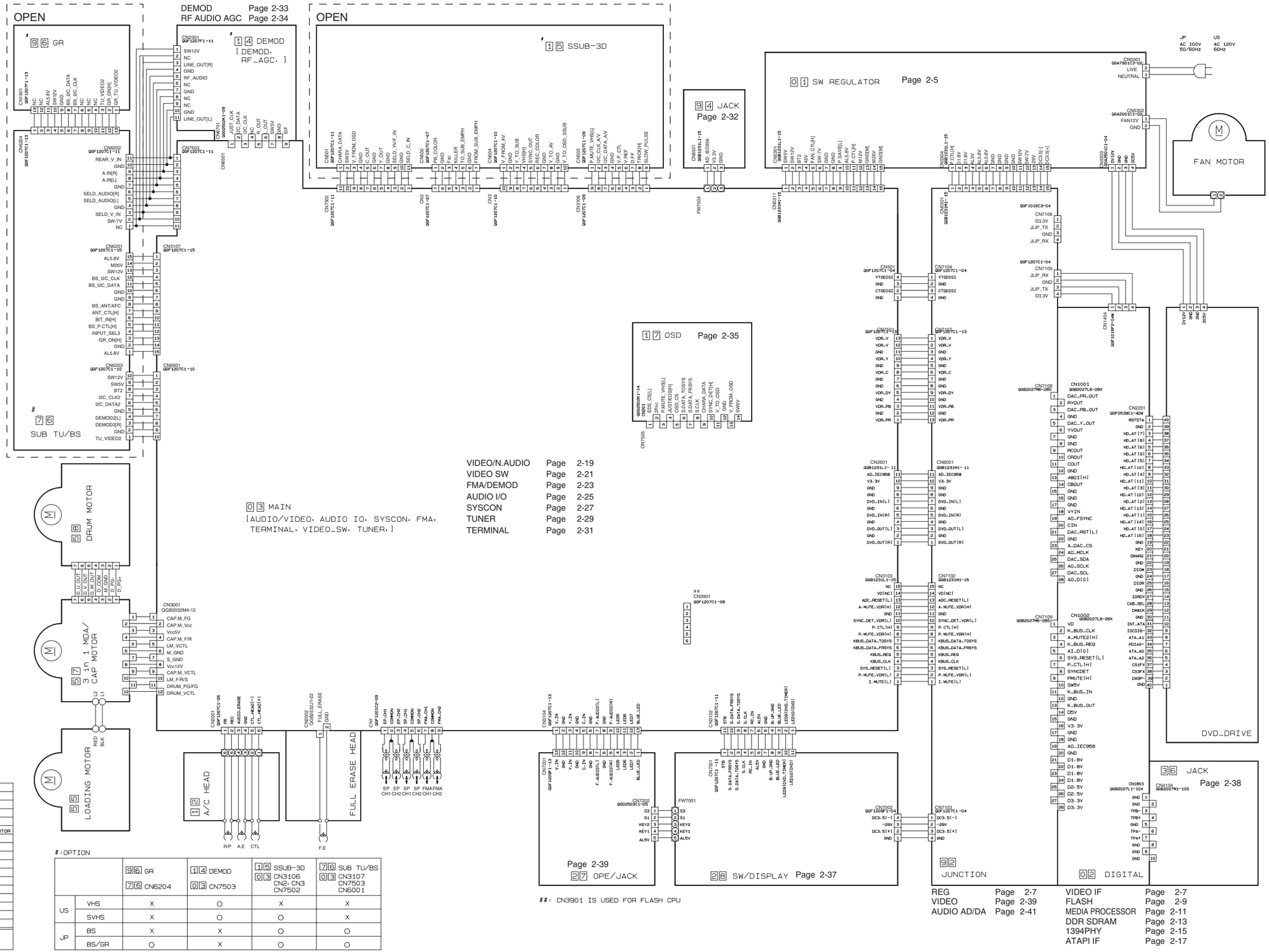
2. Parts location guides

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).

■ BOARD INTERCONNECTIONS



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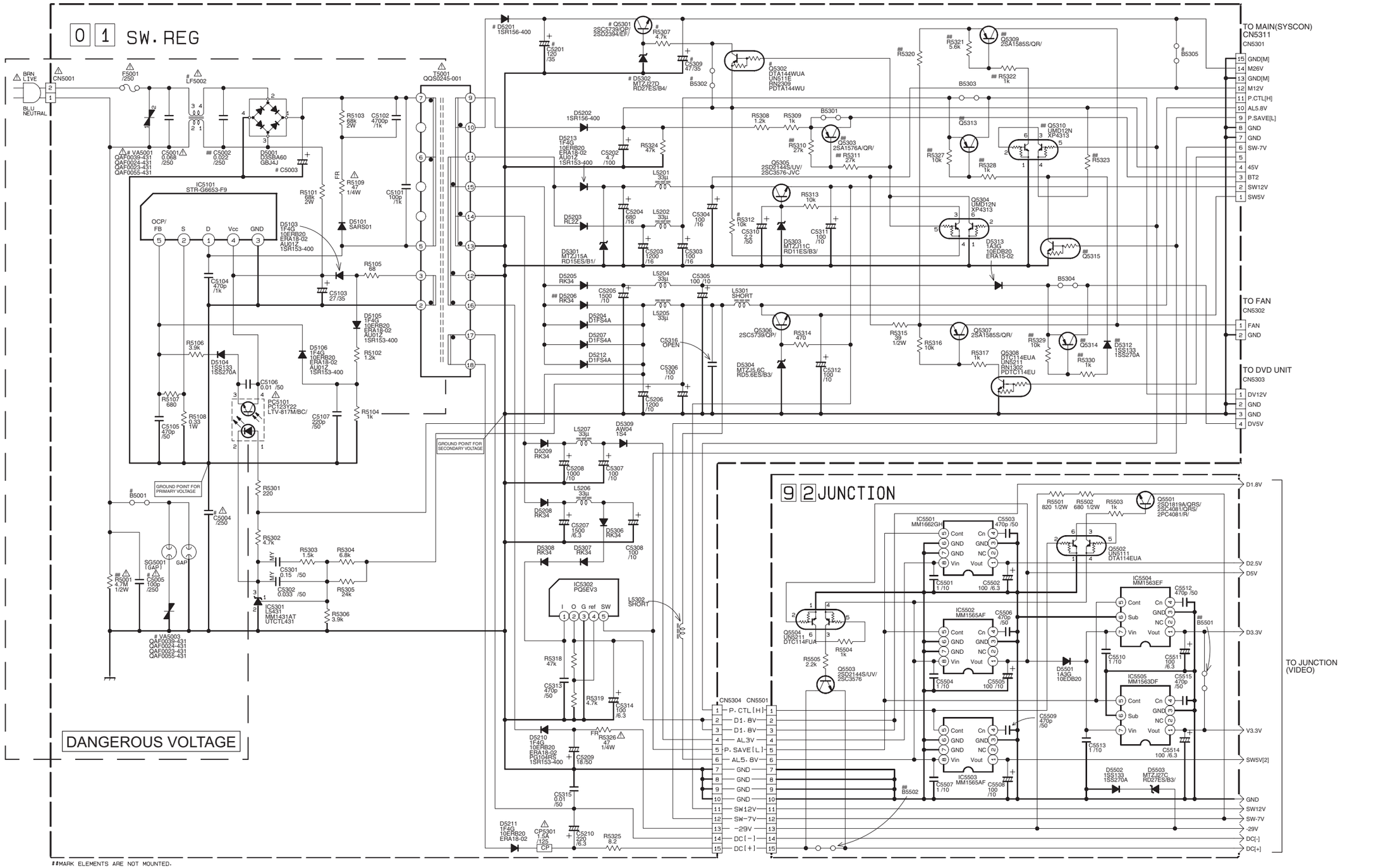
■ SW.REG AND JUNCTION SCHEMATIC DIAGRAMS



##MARK ELEMENTS ARE NOT MOUNTED.

#DIFFERENCE TABLE 1

		B5001	B5302	B5305	C5003	C5004	C5005	F5001	Q5302	VA5001 VA5003	HIGH SPEED FF/REW C5201 C5309 D5201 D5302 Q5301 R5307 R5312	LF5002
JPN	(W/O BS)	YES	NO	NO	330 /200	4700p	YES	2A	YES	YES	YES	QQR0908-001 QQR0984-001 QQR1215-001
	(WITH BS)		YES						NO			
EURO		NO	NO	YES	82 /400	2200p	NO	T2AL	NO	NO	NO	QQR1031-001

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

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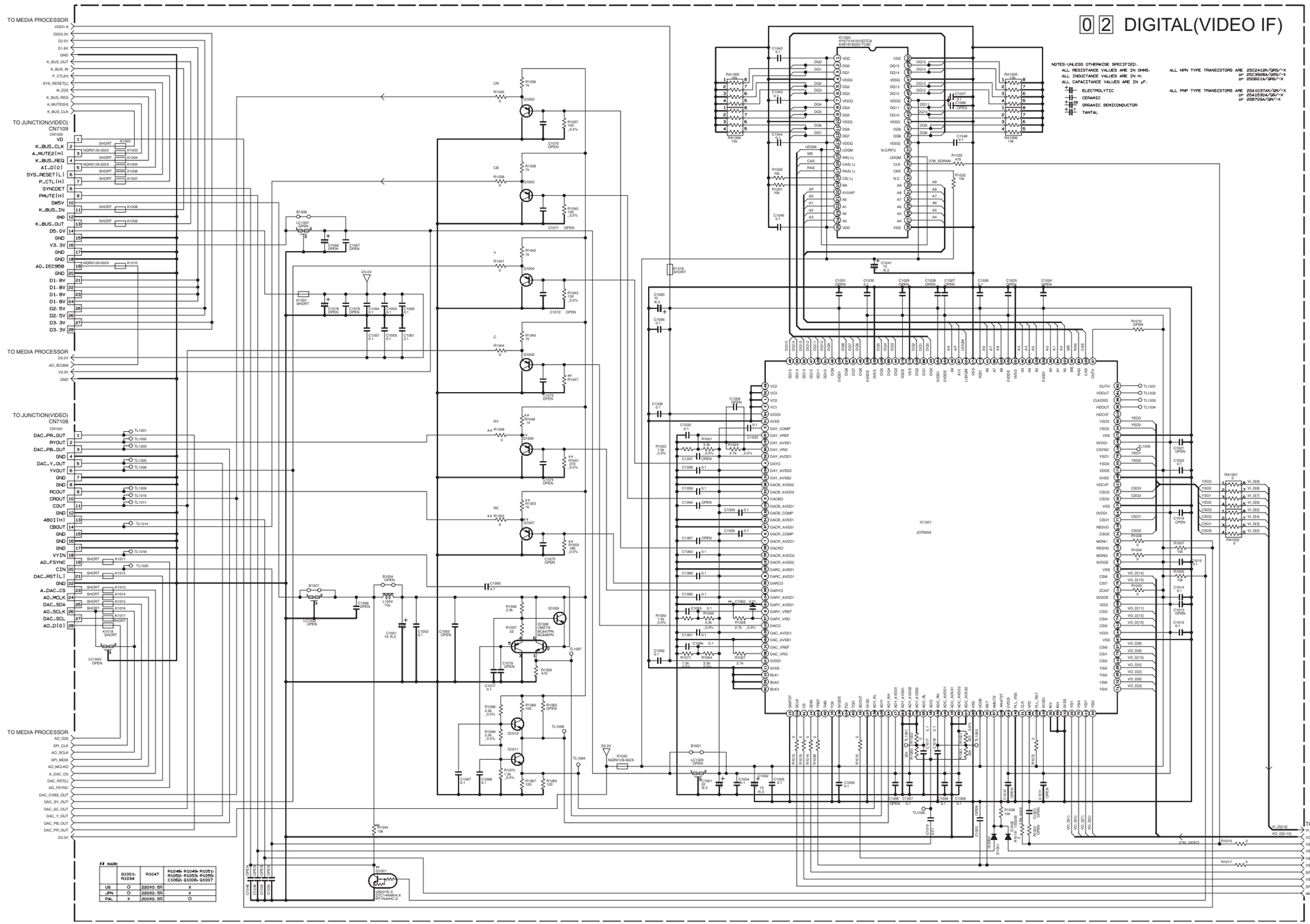
■ DIGITAL(VIDEO IF) SCHEMATIC DIAGRAM

02 DIGITAL(VIDEO IF)



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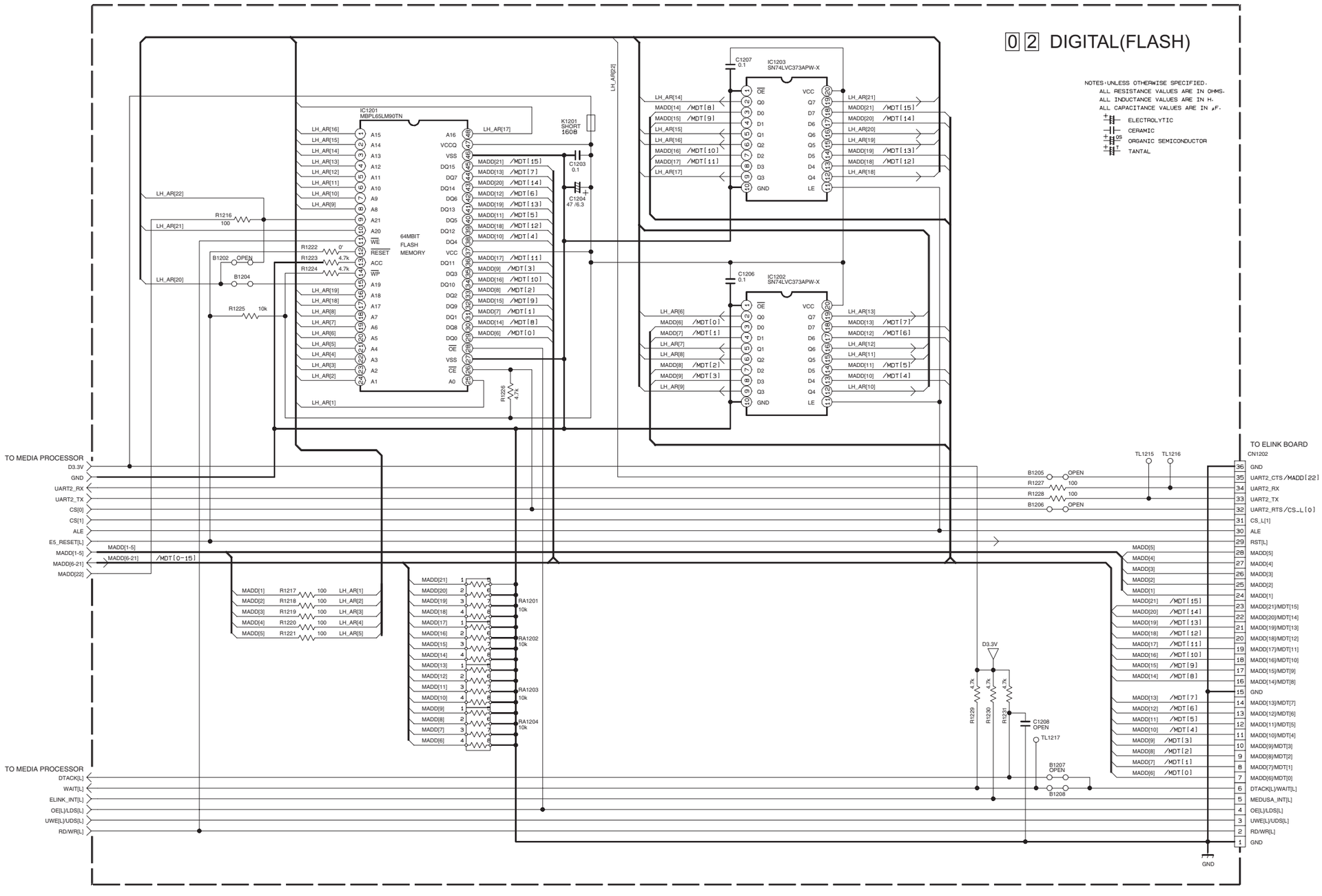
■ DIGITAL(FLASH) SCHEMATIC DIAGRAM



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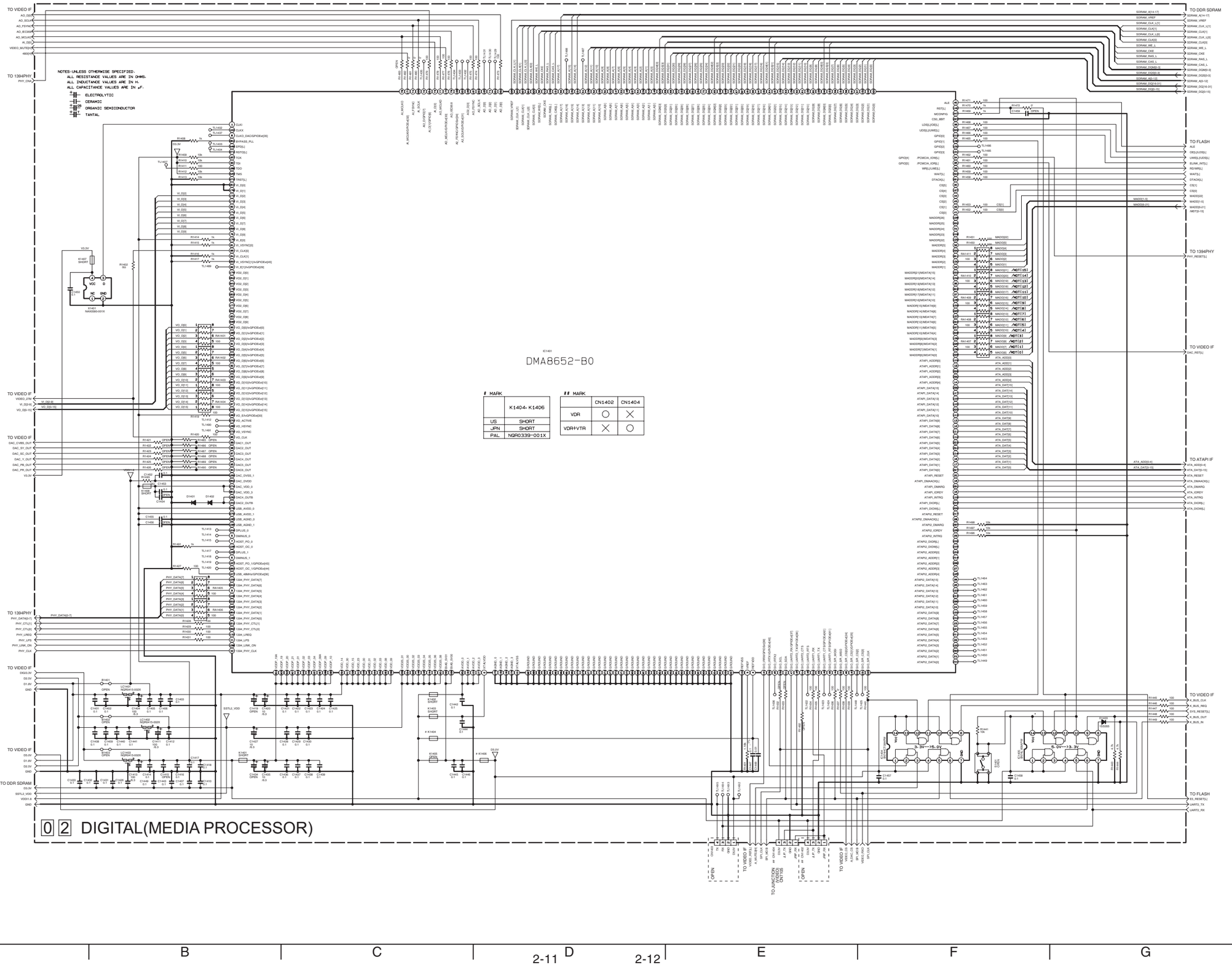
■ DIGITAL(MEDIA PROCESSOR) SCHEMATIC DIAGRAM



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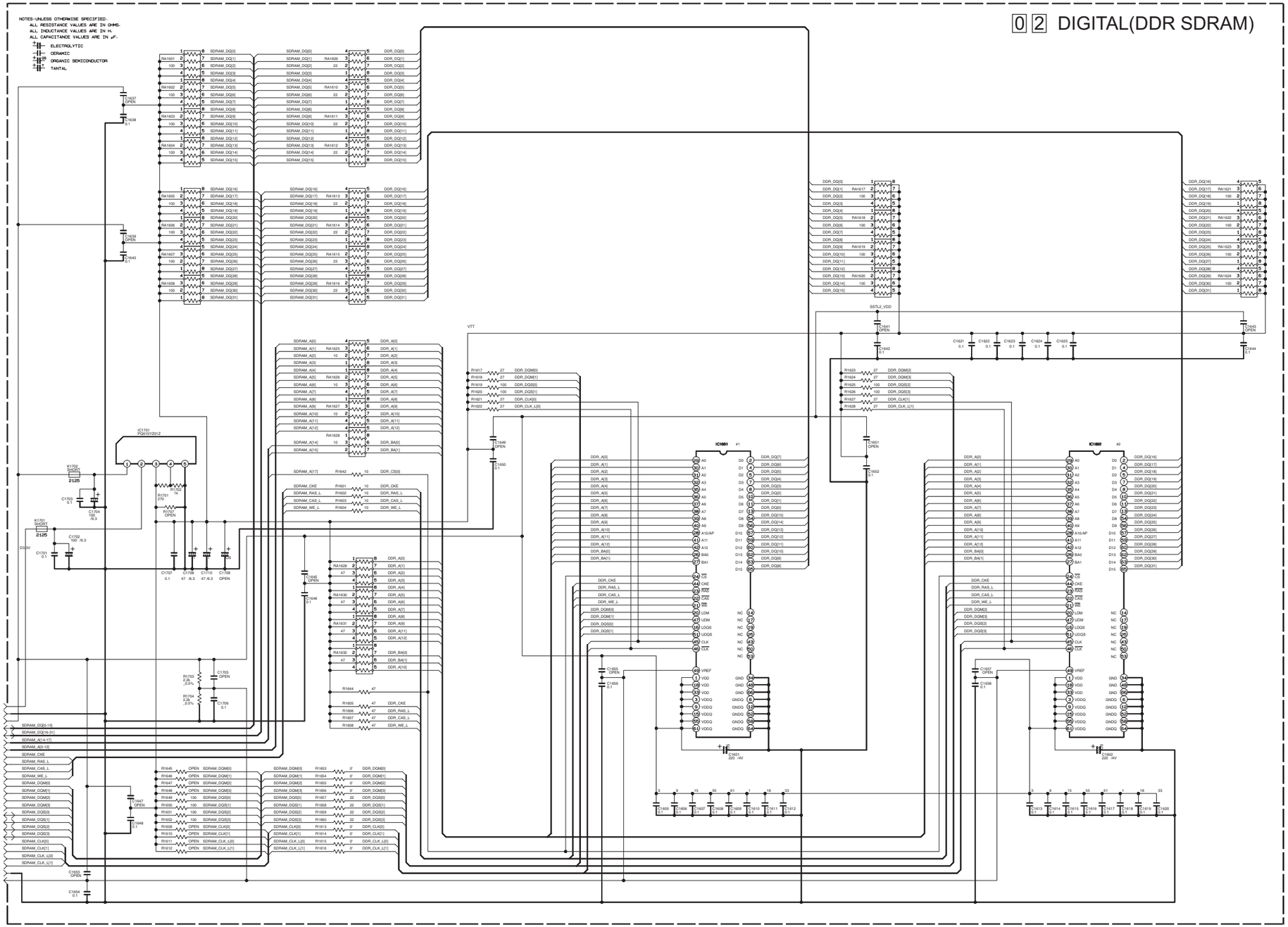
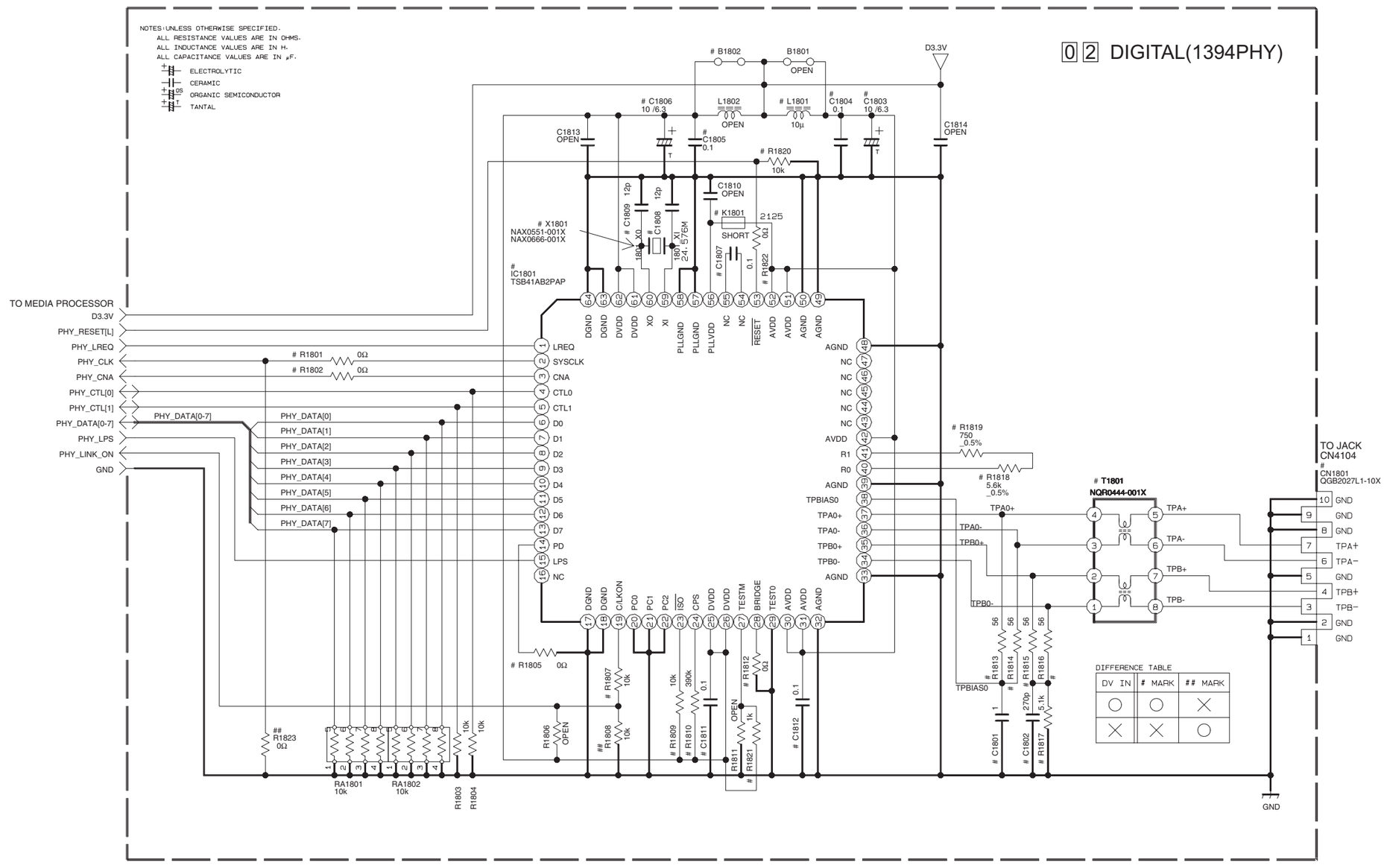
2-11 2-12

■ DIGITAL(DDR SDRAM) SCHEMATIC DIAGRAM

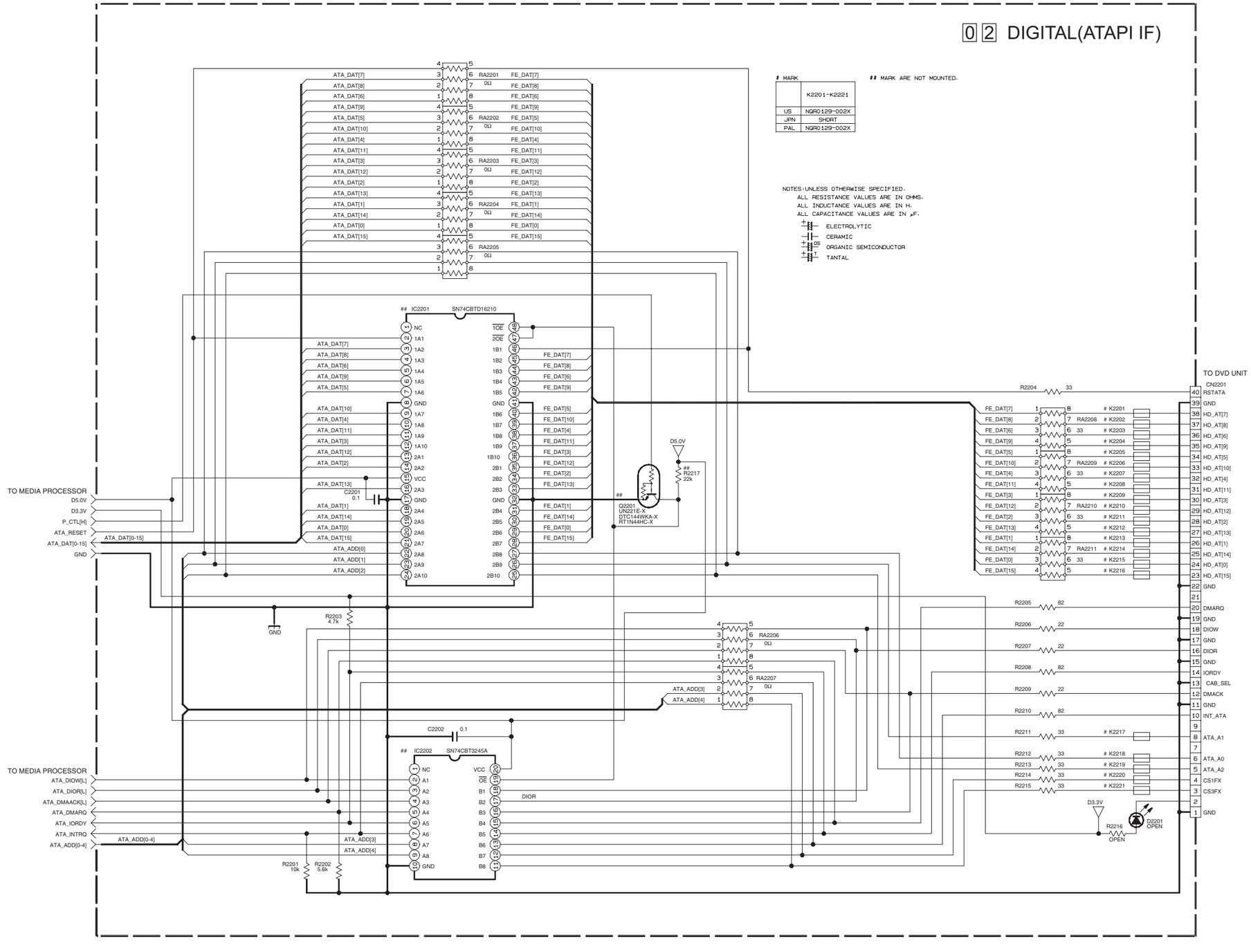


■ DIGITAL(1394PHY) SCHEMATIC DIAGRAM

0 2 DIGITAL(1394PHY)



■ DIGITAL(ATAPI IF) SCHEMATIC DIAGRAM



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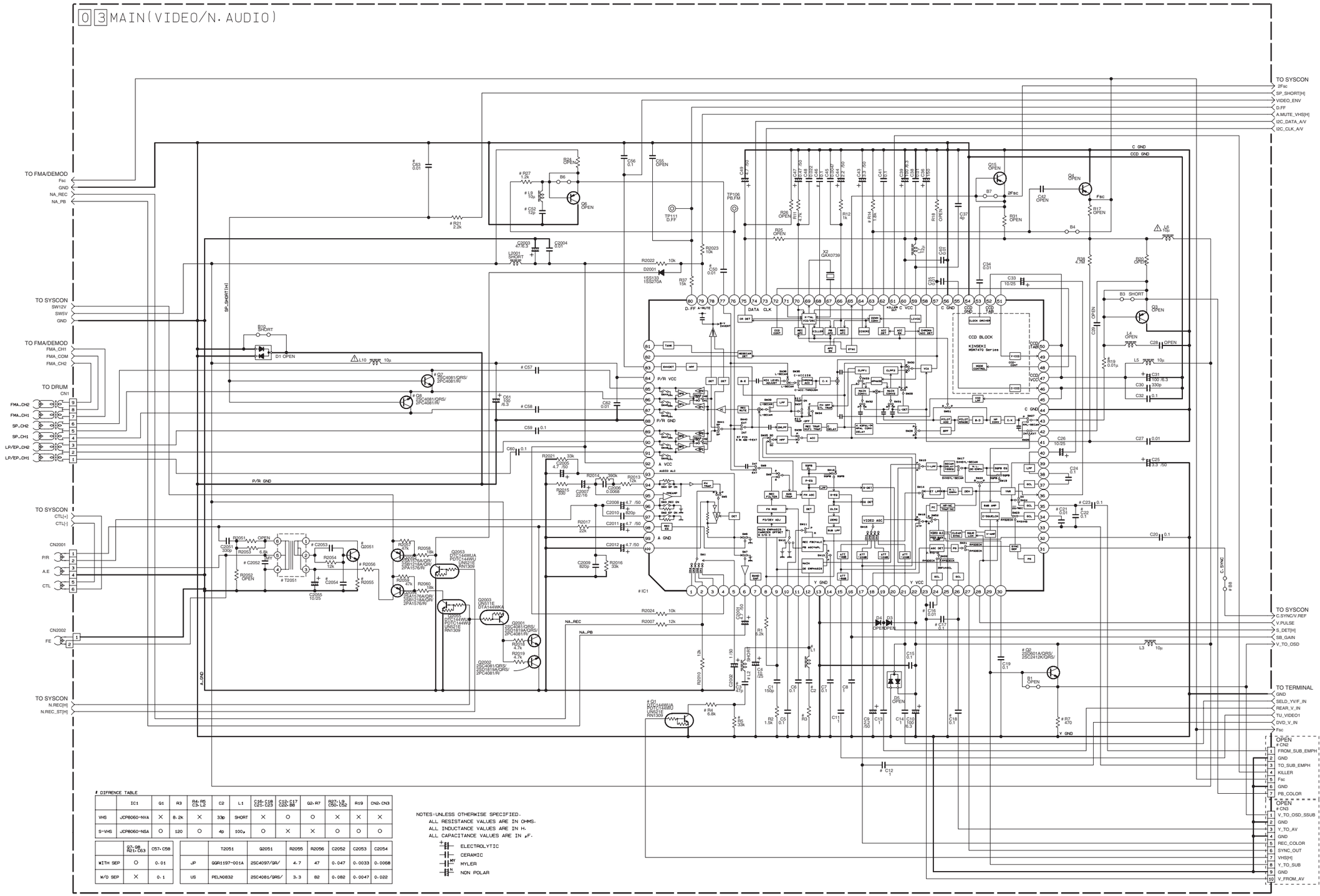
■ MAIN(VIDEO/N.AUDIO) SCHEMATIC DIAGRAM



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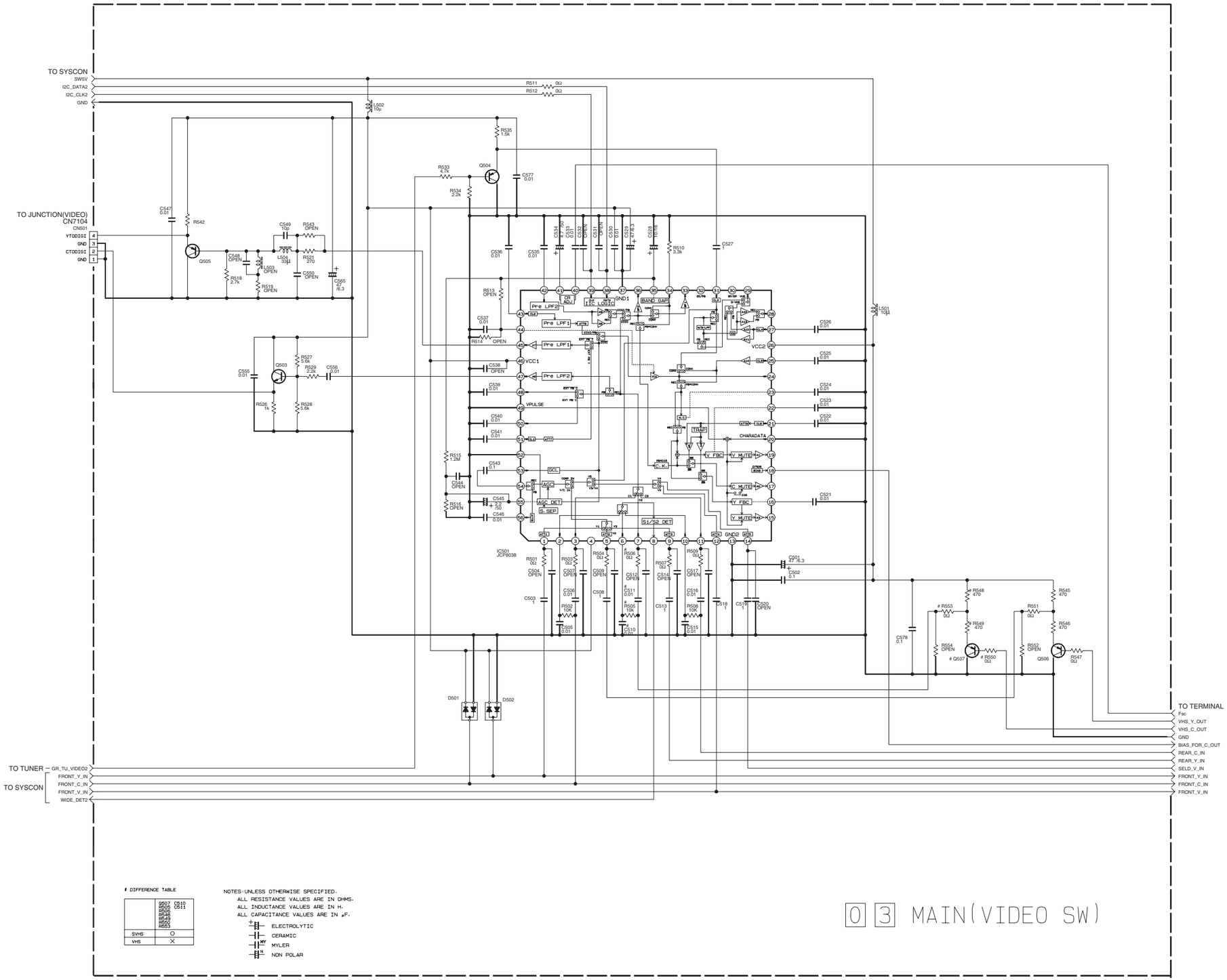
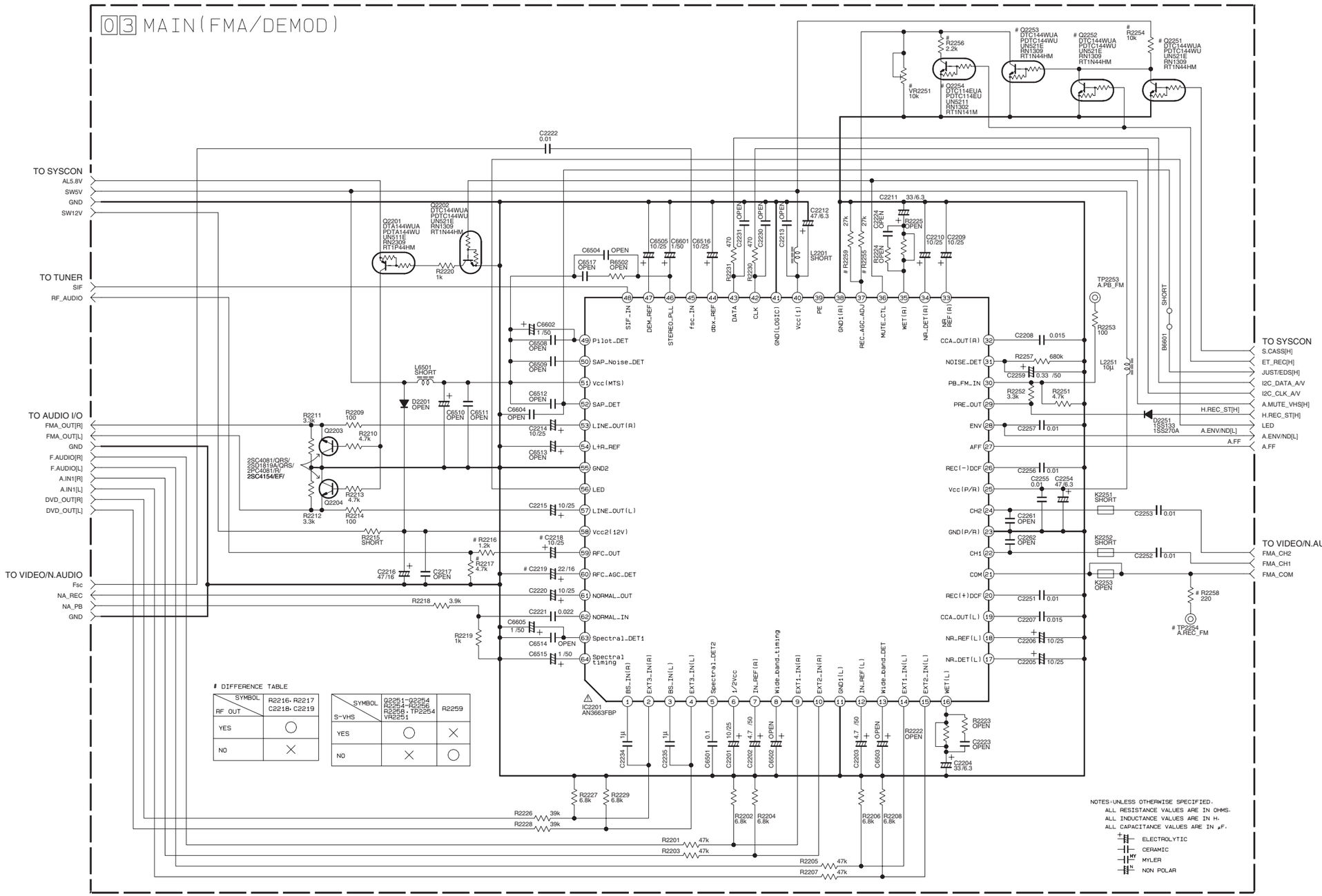
■ MAIN(VIDEO SW) SCHEMATIC DIAGRAM



■ MAIN(FMA/DEMOD) SCHEMATIC DIAGRAM



■ MAIN(AUDIO I/O) SCHEMATIC DIAGRAM

03 MAIN(AUDIO I/O)

TO TUNER
DEMOD2[R]
DEMOD2[L]

TO FMA/DEMOD
FMA_OUT[R]
FMA_OUT[L]
GND
F.AUDIO[R]
F.AUDIO[L]
A.IN1[R]
A.IN1[L]
DVD_OUT[R]
DVD_OUT[L]

TO SYSCON
SW5V
SW12V
SW-7V
AL5.8V
GND

TO SYSCON
A_INPUT_SEL1
A_INPUT_SEL2
A.MUTE[L]
VDR[H]

R2609 1k
IC2602 BU4052BCF
VSS VEE INH Y1 Y3 Y Y2 Y0
B A X3 X0 X X1 X2 VDD
R2610 100
IC2603 BA15218F
VEE VCC
R2611 100
R2658 10k
R2659 10k
B2603
B2604
R2651 220
R2652 0Ω
C2651 47/16
C2652 OPEN
C2653 47/16
C2654 OPEN
R2653 10k
R2654 15k
R2662 22k
R2663 22k
R2667 22k
R2664 OPEN
R2665 OPEN
R2631 1k
IC2604 BU4052BCF
IC2605 BA15218F
R2660 10k
R2661 10k
R2632 470
C2603 10/25
R2634 10k
R2635 10k
R2633 470
C2604 10/25
R2636 4.7k
R2637 4.7k
Q2601 2SC4081/QRS/ 2SD1819A/QRS/ 2PC4081/R/ 2SC4154/EF/
Q2602 2SC4081/QRS/ 2SD1819A/QRS/ 2PC4081/R/ 2SC4154/EF/
D2601 1SS133
R2666 22k
R2638 1k
Q2603 DTA144WUA PDTA144WU UN511E RN2309 RT1P44HM

TO JUNCTION(AUDIO AD/DA) CN8001
CN2601
1 DVD_OUT[R]
2 GND
3 DVD_OUT[L]
4 GND
5 DVD_IN[R]
6 GND
7 DVD_IN[L]
8 GND
9 GND
10 V3.3V
11 AD_IEC958

A.IN1[R]
A.IN1[L]
F.AUDIO[R]
F.AUDIO[L]
AD_IEC958
V3.3V
GND
DVD_OUT[R]
DVD_OUT[L]
LINE_OUT[R]
LINE_OUT[L]
SELD_AUDIO[R]
SELD_AUDIO[L]
A.GND

TO TERMINAL
TO SYSCON
TO TERMINAL

DIFFERENCE TABLE

SYMBOL / BS	B2603, B2604
YES	×
NO	○

NOTES:UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.
ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

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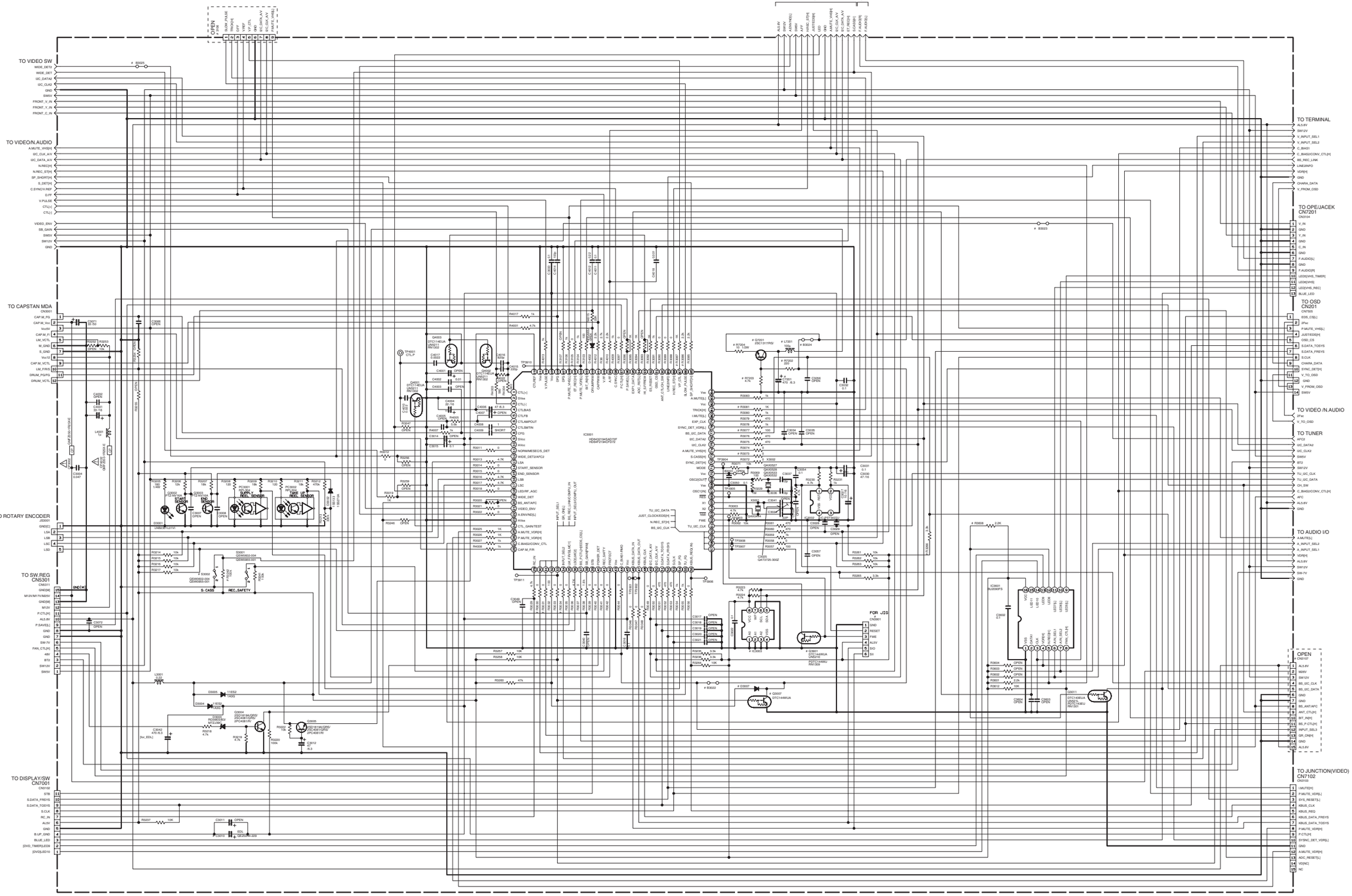
■ MAIN(SYSCON) SCHEMATIC DIAGRAM



DIFFERENCE TABLE

	CN3106 R3030 R3034 R3073 R3081 R3086 R3087 R3105 R3242 S3002
VHS	NO
SVHS	YES

	CN3107 R3077 R3266 C3010	B3023	B3025	IC3003
JPN	YES	NO	YES	24LC16B/SN CAT24WC16J/I BR24C16F X24C16S
US	NO	YES	NO	24LC08B/SN CAT24WC08J/I BR24C08F X24C08S

	R3031
WITH GR	YES
W/O GR	NO

	R7202 R7203 R7204 C7201 L7201 Q7201 B3022	B3024	Q3007	D3007
AV COMPU /R. PAUSE	NO	YES	YES	1SS133
C-BOX CTL	YES	NO	NO	NO
BS DIGI LINK	NO	YES	NO	SHORT

NOTES:UNLESS OTHERWISE SPECIFIED.
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ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

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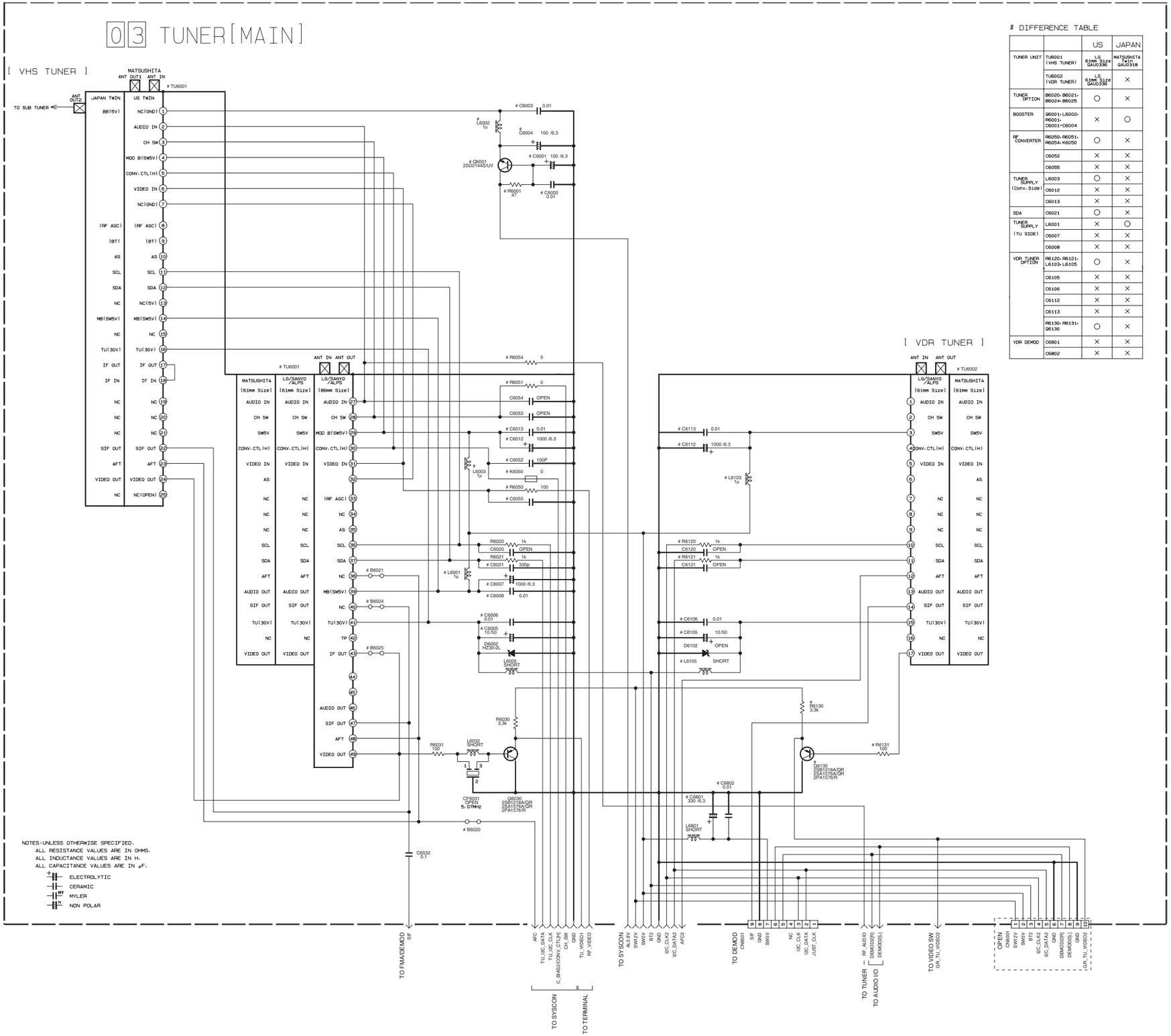
2-27 2-28

■ MAIN(TUNER) SCHEMATIC DIAGRAM



DIFFERENCE TABLE

		US	JAPAN
TUNER UNIT	TU6001 (VHS TUNER)	LG 61mm Size GAU0336	MATSUSHITA TWIN GAU0318
	TU6002 (VDR TUNER)	LG 61mm Size GAU0336	×
TUNER OPTION	B6020-B6021, B6024-B6025	○	×
BOOSTER	Q6001, L6002-R6001, C6001-C6004	×	○
RF CONVERTER	R6050-R6051, R6054-K6050	○	×
	C6052	×	×
	C6055	×	×
TUNER SUPPLY (Conv.Side)	L6003	○	×
	C6012	×	×
	C6013	×	×
SDA	C6021	○	×
TUNER SUPPLY (TU SIDE)	L6001	×	○
	C6007	×	×
	C6008	×	×
VDR TUNER OPTION	R6120-R6121, L6103-L6105	○	×
	C6105	×	×
	C6106	×	×
	C6112	×	×
	C6113	×	×
	R6130-R6131, Q6130	○	×
VDR DEMOD	C6801	×	×
	C6802	×	×

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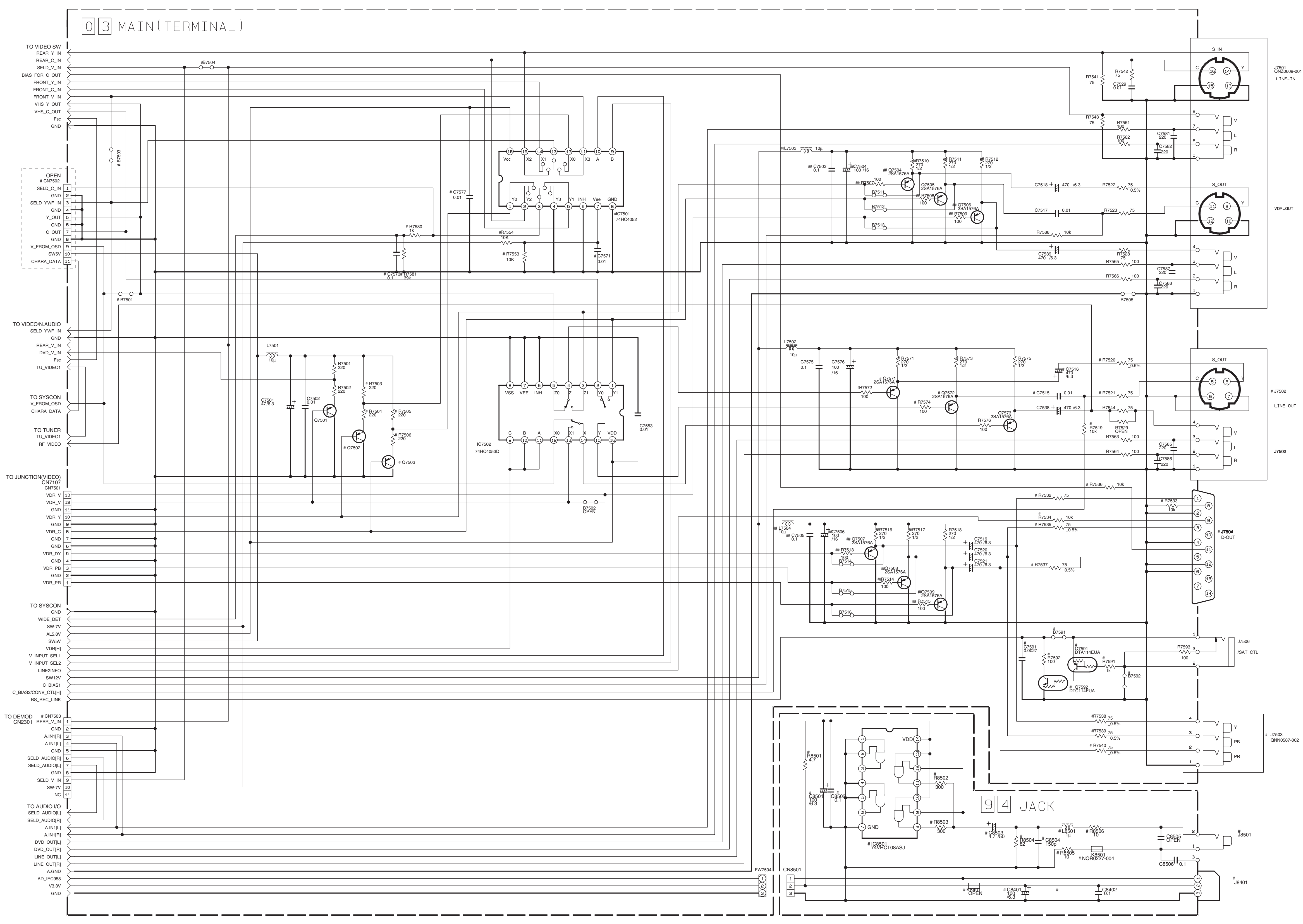
■ MAIN(TERMINAL) AND JACK SCHEMATIC DIAGRAMS



MARKED PARTS ARE NOT MOUNTED

DIFFERENCE TABLE

	J7504 R7532 R7533 R7534 R7535 R7536 R7537 R7580 R7581 R7519	J7503 R7538 R7539 R7540
DOMESTIC MODEL	○	×
US MODEL	×	○

	IC7501 Q7502 Q7503 Q7571 Q7572 CN7502 R7503 R7504 R7505 R7506 R7520 R7521 R7553 R7554 R7571 R7572 R7573 R7574 C7515 C7516 C7571 C7577 C7573	B7501 B7503	J7502
SVHS	○	×	QNN0528-001
VHS	×	○	QNN0587-001

	CN7503	B7504
w/ BS	○	×
w/o BS	×	○

	Q7591 Q7592 R7591 R7592 C7591	B7591 B7592
BS DIGITAL LINK REC	○	×
REMOTE PAUSE	×	○

	J8401 C8401 C8402 K8401	IC8501 J8501 R8501 R8502 R8503 R8504 R8505 R8506 C8501 C8502 C8503 C8504 C8506 L8501 K8501
OPT OUT	○	×
COAXIAL OUT	×	○

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN μF.

ELECTROLYTIC
CERAMIC
MYLER
NON POLAR

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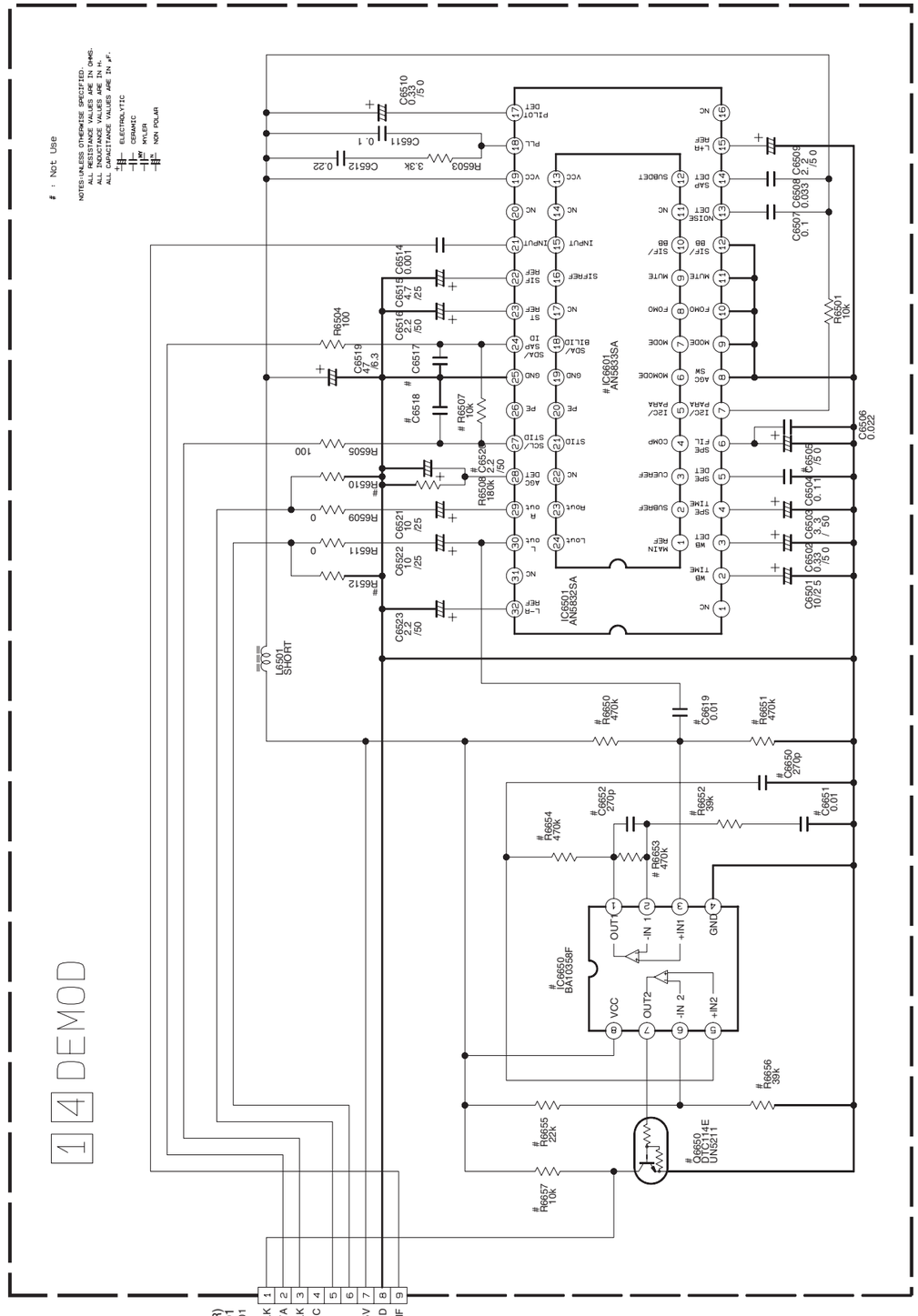
■ DEMOD SCHEMATIC DIAGRAM



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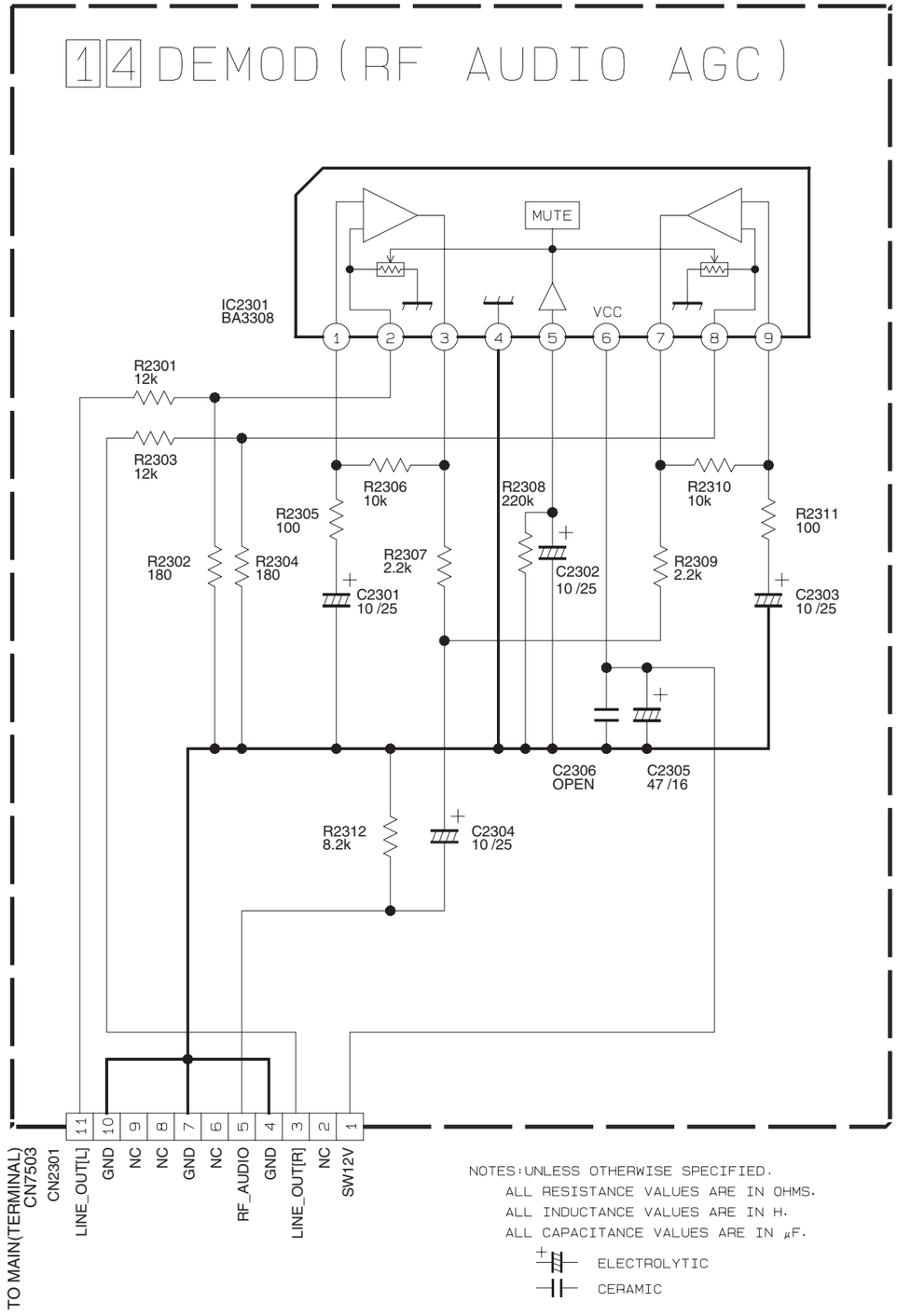
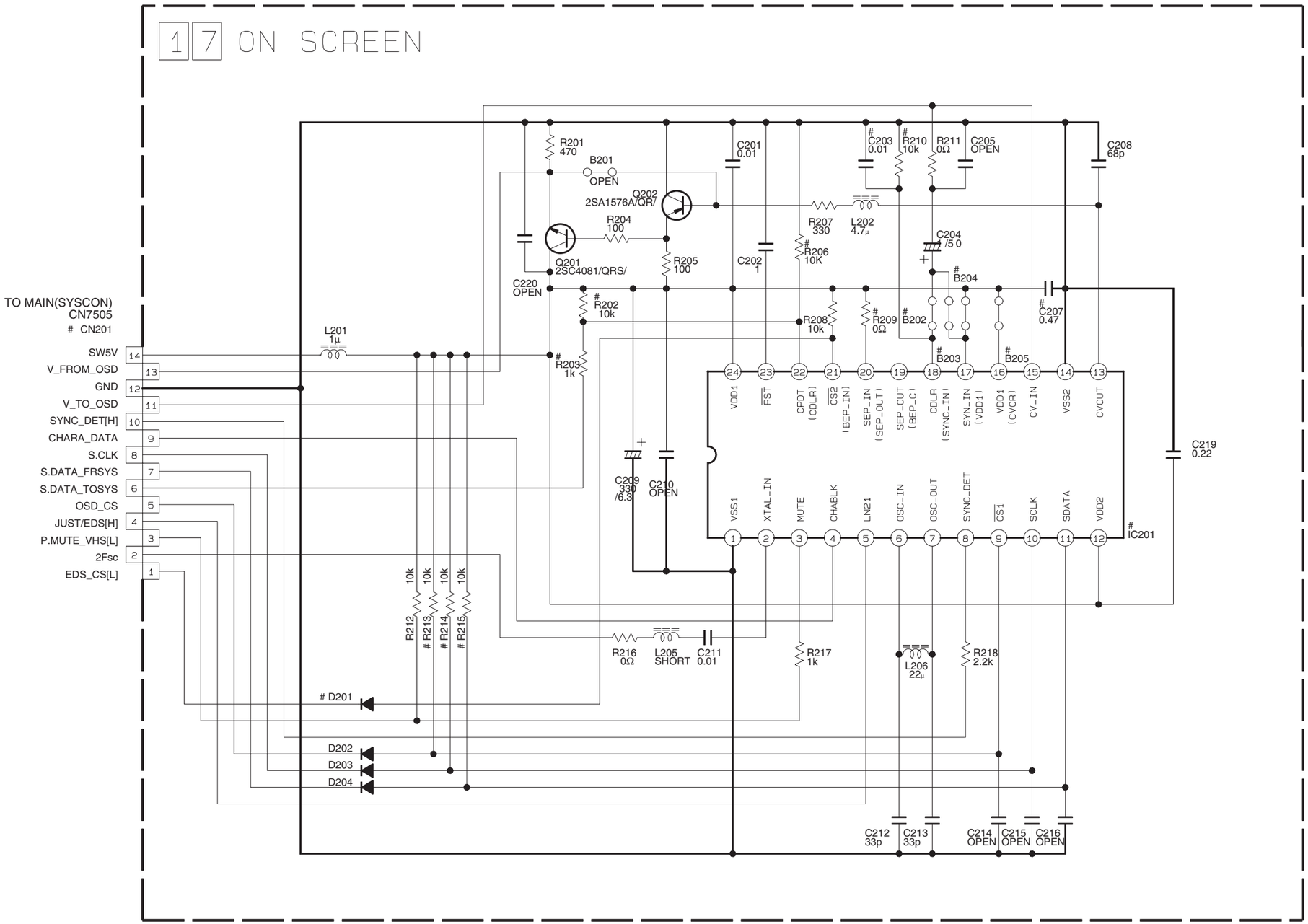
■ DEMOD(RF AUDIO AGC) SCHEMATIC DIAGRAM



p40053001a_rev0

■ ON SCREEN SCHEMATIC DIAGRAM



DIFFERENCE TABLE

	IC201	D201	R202, R203 R209, R210	R206, R213 R214, R215	C203	C207	B202 B204	B203 B205	CN201
DOM	LC74789N	×	×	○	×	○	○	×	2-14
US	LC74785N	○	○	×	○	×	×	○	1-14

NOTES: UNLESS OTHERWISE SPECIFIED.
ALL RESISTANCE VALUES ARE IN OHMS.
ALL INDUCTANCE VALUES ARE IN H.
ALL CAPACITANCE VALUES ARE IN µF.

ELECTROLYTIC
CERAMIC
MY MYLER
N NON POLAR

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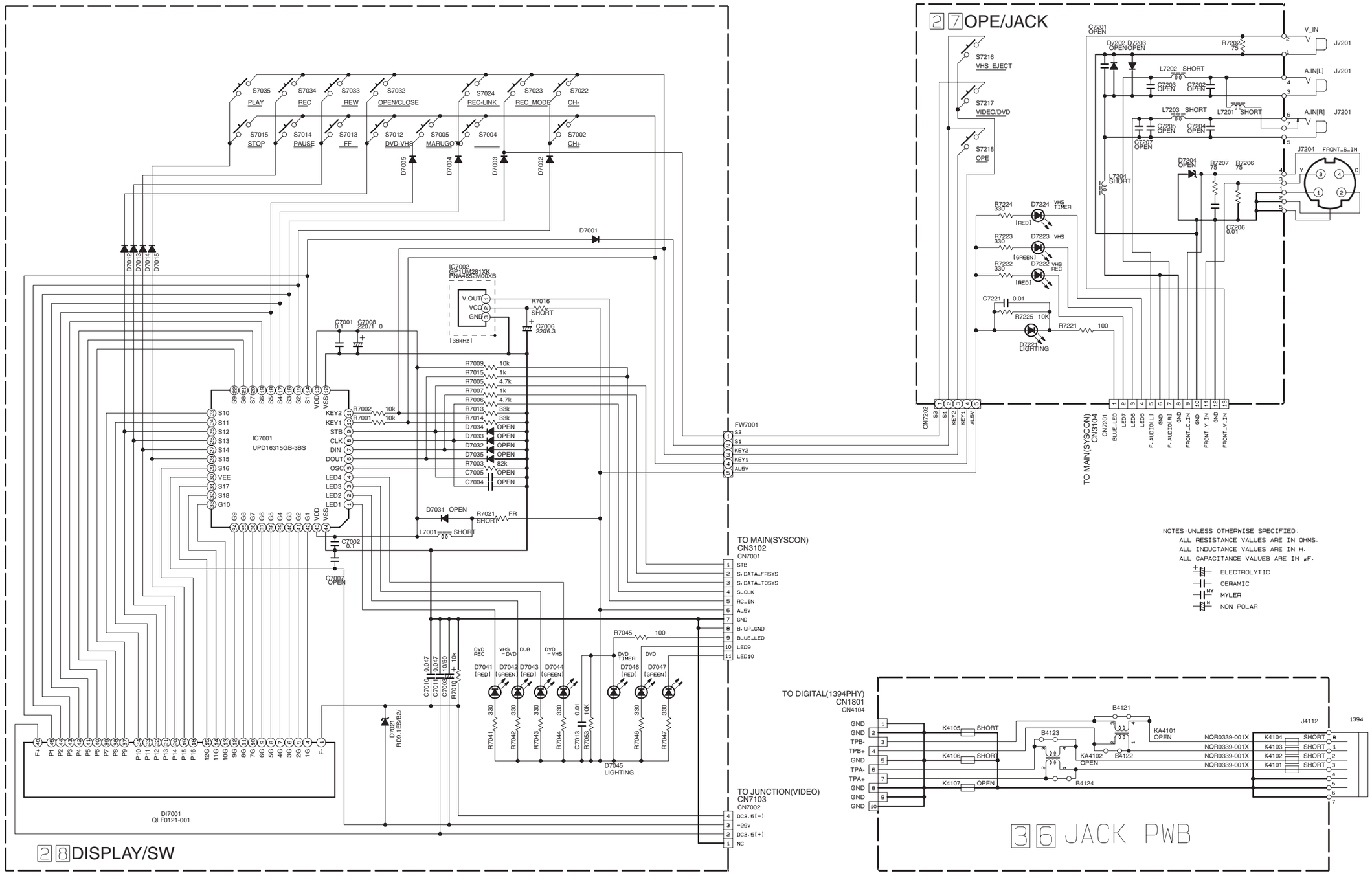
■ OPERATION JACK, SWITCH DISPLAY AND JACK SCHEMATIC DIAGRAM



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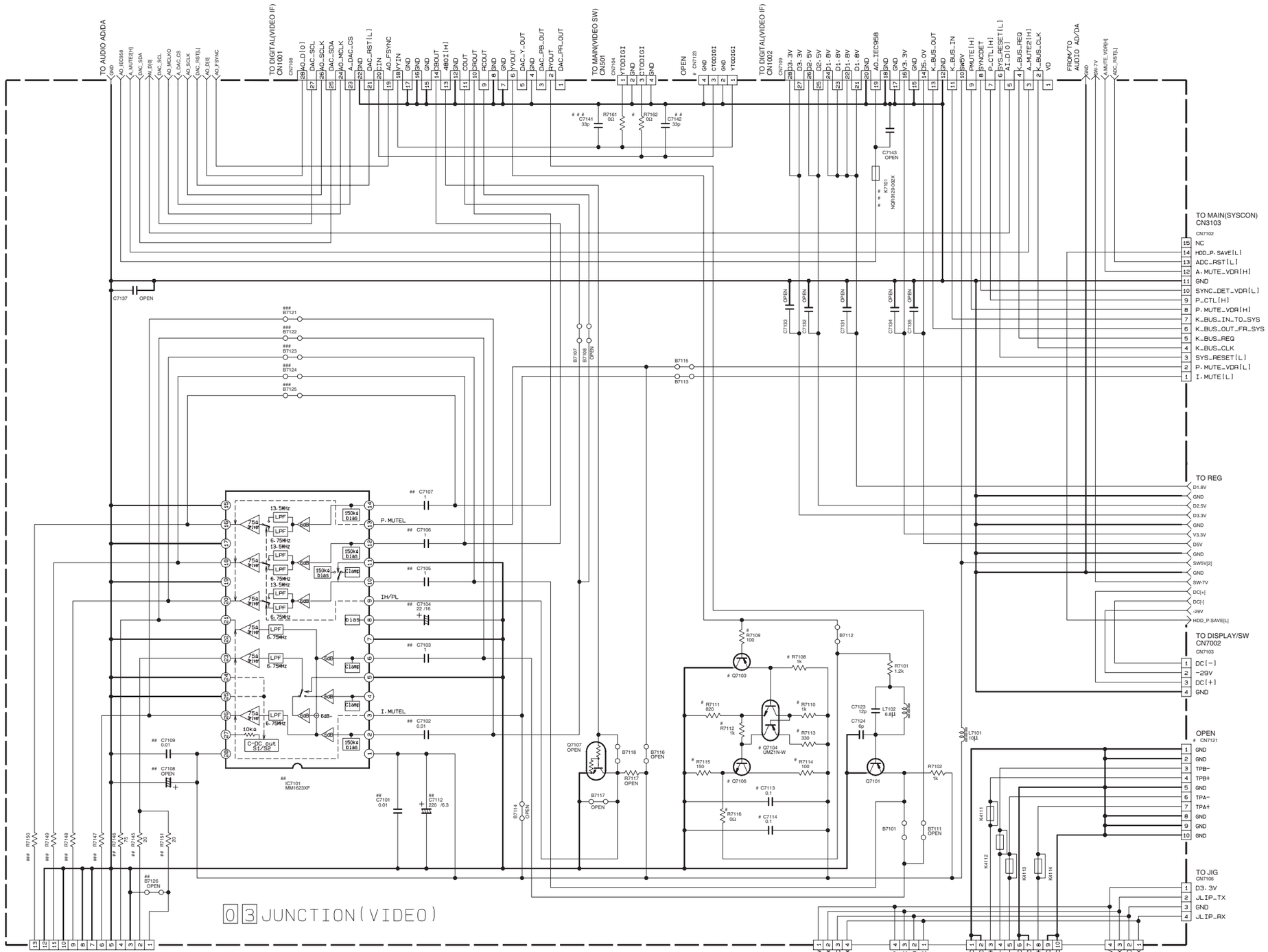
■ VIDEO(JUNCTION) SCHEMATIC DIAGRAM



	## SYMBOLS	B7121~B7125	R7147	R7148~R7150	K7101	C7141 C7142
DOM	○	×	75	20	SHORT	×
PAL	×	○	0Ω	0Ω	SHORT	×
US	○	×	75	20	NQR0129-002X	○

	CN7124	CN7105
JVC DRIVE	○	×
JR2 DRIVE	×	○

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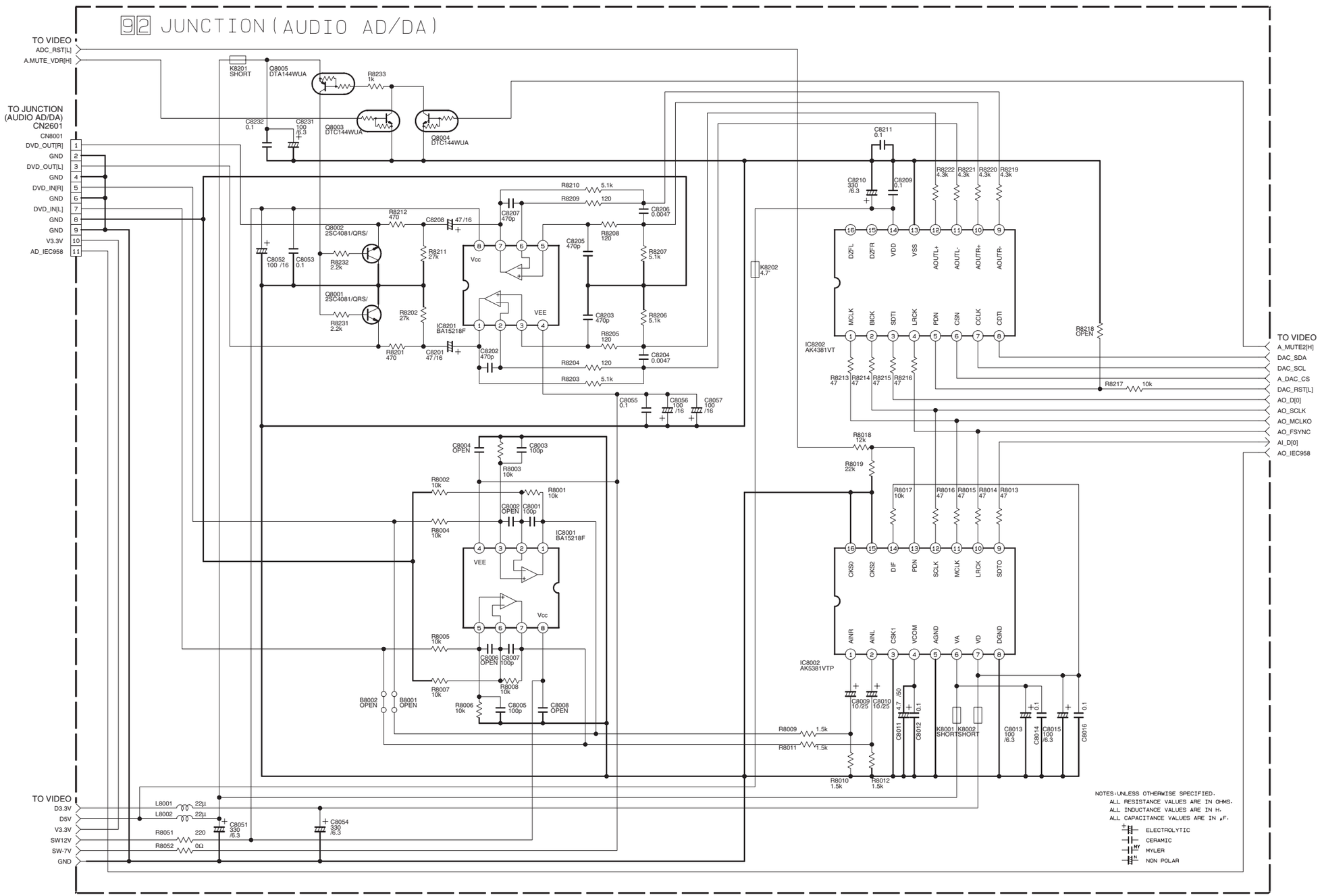
■ JUNCTION(AUDIO AD/DA) SCHEMATIC DIAGRAM



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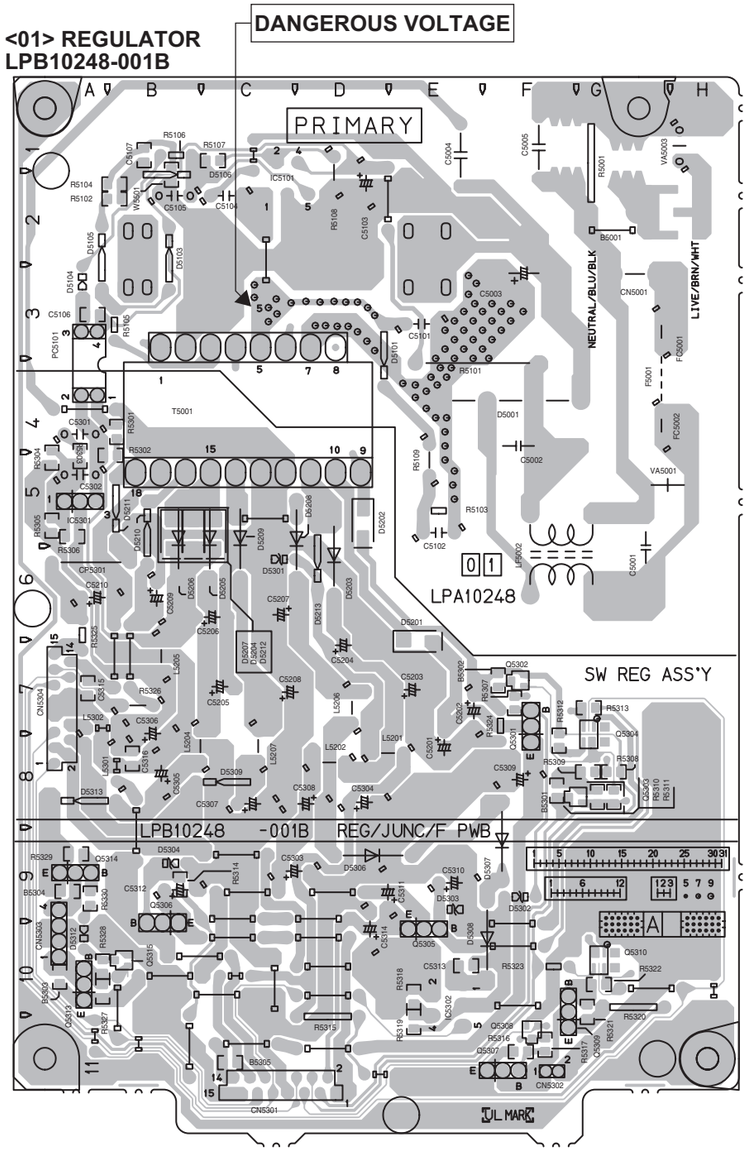
■ REGULATOR CIRCUIT BOARD

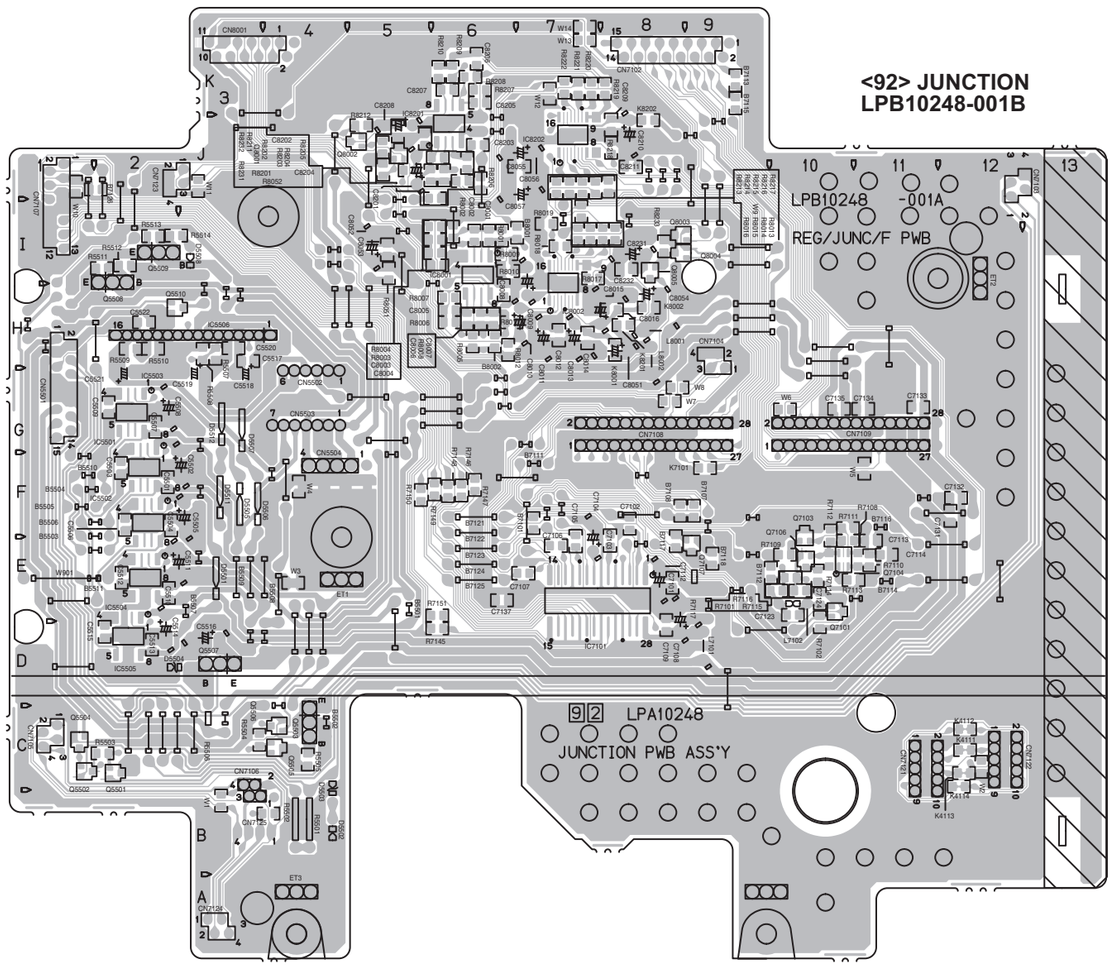
CAUTION :
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S).
ATTENTION :
REPLACER PAR DES FUSIBLE DE MEME TYPE.



COMPONENT PARTS LOCATION GUIDE <REGULATOR> LPB10248-001B

REF.NO.	LOCATION
CAPACITOR	
C5001	A D 5G
C5002	A D 4F
C5003	A D 3F
C5004	A D 1E
C5005	A D 1F
C5101	A D 3E
C5102	A D 5E
C5103	A D 1D
C5104	A D 2C
C5105	A D 2B
C5106	B C 3A
C5107	B C 1B
C5201	A D 7E
C5202	A D 7E
C5203	A D 7E
C5204	A D 6D
C5205	A D 7C
C5206	A D 6B
C5207	A D 6D
C5208	A D 7C
C5209	A D 6B
C5210	A D 6A
C5301	A D 4A
C5302	A D 5A
C5303	A D 9C
C5304	A D 8D
C5305	A D 8B
C5306	A D 7B
C5307	A D 8C
C5308	A D 8D
C5309	A D 8F
C5310	A D 9E
C5311	A D 9D
C5312	A D 9B
C5313	B C 10E
C5314	A D 10D
C5315	B C 7A
C5316	B C 8B
CONNECTOR	
CN5001	A D 3G
CN5301	A D 11D
CN5302	A D 11F
CN5303	A D 10A
CN5304	A D 8A
CP5301	A D 6B
DIODE	
D5001	A D 4E
D5101	A D 3D
D5103	A D 3B
D5104	A D 3A
D5105	A D 3A
D5106	A D 1B
D5201	B C 6E
D5202	B C 5D
D5203	A D 5D
D5204	B C 5B
D5205	A D 5C
D5206	A D 5B
D5207	B C 5B
D5208	A D 5D
D5209	A D 5C
D5210	A D 6B
D5211	A D 5B
D5212	B C 5C
D5213	A D 5D
D5301	A D 6C
D5302	A D 9F
D5303	A D 9E
D5304	A D 9B
D5306	A D 9D
D5307	A D 8F
D5308	A D 9F
D5309	A D 8C
D5313	A D 8B
IC	
IC5101	A D 2C
IC5301	A D 5A
IC5302	A D 10E
COIL	
L5201	A D 8D
L5202	A D 8D
L5204	A D 8B
L5205	A D 7B
L5206	A D 7D
L5207	A D 8C
L5301	A D 8B
L5302	A D 7A
TRANSISTOR	
Q5301	A D 8F
Q5302	B C 7F
Q5303	B C 8F
Q5304	B C 7G
Q5305	A D 10E
Q5306	A D 9B
Q5307	A D 11F
Q5308	B C 11F
Q5309	A D 11F
Q5310	B C 10G
Q5313	A D 10A
Q5314	A D 9A
Q5315	B C 10B
RESISTOR	
R5001	A D 1G
R5101	A D 3E
R5102	B C 2B
R5103	A D 5E
R5104	B C 2B
R5105	A D 8H
R5106	A D 1B
R5107	B C 1C
R5108	A D 1D
R5109	A D 5E
R5303	B C 4B
R5304	B C 4A
R5305	B C 5A
R5306	B C 5A
R5307	B C 7F
R5308	B C 8G
R5309	B C 8G
R5310	B C 8G
R5311	B C 8G
R5312	B C 8F
R5313	B C 7G
R5314	B C 9B
R5315	A D 10D
R5316	B C 11F
R5317	B C 11F
R5318	B C 10E
R5319	B C 11E
R5320	A D 10G
R5321	B C 10G
R5322	B C 10G
R5325	A D 6A
R5326	A D 7B
R5327	B C 10A
R5328	B C 10A
R5329	B C 9A
R5330	B C 9A
OTHER	
F5001	A D 4G
FC5001	A D 3G
FC5002	A D 4G
LF5002	A D 5F
PC5101	A D 4A
SG5001	B C 2H
T5001	A D 3B
VA5001	A D 5H
VA5003	A D 1H

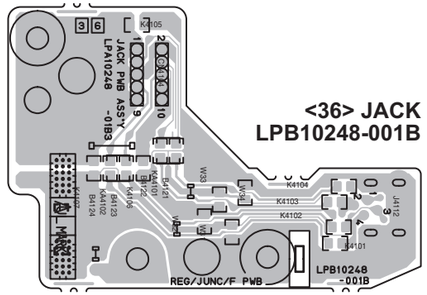
■ JUNCTION CIRCUIT BOARD



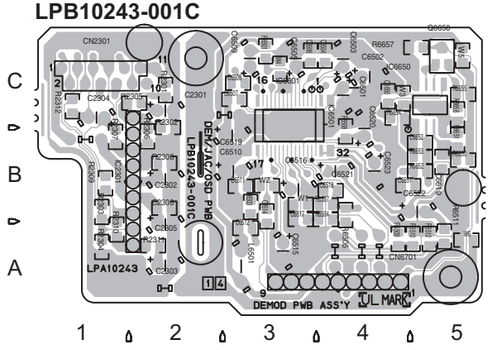
COMPONENT PARTS LOCATION GUIDE <JUNCTION> LPB10248-001B

REF.NO.	LOCATION
CAPACITOR	
C5501	B C 2F
C5502	A D 3G
C5503	B C 2F
C5504	B C 2F
C5505	A D 3F
C5506	B C 2F
C5507	B C 2G
C5508	A D 2G
C5509	B C 2G
C5510	B C 2E
C5511	A D 3E
C5512	B C 2E
C5513	B C 2D
C5514	A D 2E
C5515	B C 2D
C5516	A D 3D
C5517	B C 3H
C5518	A D 3G
C5519	A D 3G
C5520	B C 3H
C5521	A D 2G
C5522	B C 2H
C7101	B C 8E
C7102	B C 8F
C7103	B C 8E
C7104	A D 7E
C7105	B C 7E
C7106	B C 7E
C7107	B C 7E
C7108	A D 8D
C7109	B C 8D
C7112	A D 8E
C7113	B C 11E
C7114	B C 11E
C7123	B C 10E
C7124	B C 10E
C7131	B C 12F
C7132	B C 12F
C7133	B C 11G
C7134	B C 11G
C7135	B C 10G
C7137	B C 6E
C8001	B C 6I
C8002	B C 6I
C8003	B C 6I
C8004	B C 6I
C8005	B C 6H
C8006	B C 6H
C8007	B C 6H
C8008	B C 6H
C8009	A D 7H
C8010	A D 7H
C8011	A D 7H
C8012	B C 7H
C8013	A D 7H
C8014	B C 7H
C8015	A D 8H
C8016	B C 8H
C8051	A D 8H
C8052	A D 5I
C8053	B C 5I
C8054	A D 8H
C8055	B C 7J
C8056	A D 7J
C8057	A D 7J
C8201	A D 5J
C8202	B C 6J
C8203	B C 6J
C8204	B C 6J
C8205	B C 6K
C8206	B C 6K
C8207	B C 6K
C8208	A D 5J
C8209	B C 8J
C8210	A D 8J
C8211	B C 8J
C8231	A D 8I
C8232	B C 8I
CONNECTOR	
CN4104	A D 6C
CN5501	A D 1G
CN5502	A D 4G
CN5503	A D 4G
CN5504	A D 5F
CN7102	A D 9K
CN7103	A D 12J
CN7104	A D 9H
CN7105	A D 1C
CN7106	A D 3B
CN7107	A D 1J
CN7108	A D 7G
CN7109	A D 10G
CN7121	A D 11C
CN7122	A D 12C
CN7123	A D 3J
CN7124	A D 3A
CN7125	A D 4B
CN8001	A D 4K
COIL	
L7101	A D 9D
L7102	A D 10E
L8001	A D 8H
L8002	A D 8G
TRANSISTOR	
Q5501	B C 2C
Q5502	B C 1C
Q5503	A D 4C
Q5504	B C 1C
Q5505	B C 4C
Q5506	B C 4C
Q5507	A D 3D
Q5508	A D 2I
Q5509	A D 2I
Q5510	B C 2H
Q7101	B C 10E
Q7103	B C 10D
Q7104	B C 10E
Q7106	B C 10E
Q7107	B C 9E
Q8001	B C 5J
Q8002	B C 5J
Q8003	B C 8I
Q8004	B C 8I
Q8005	B C 8I
DIODE	
D5501	A D 3E
D5502	A D 4B
D5503	A D 4C
D5504	A D 2D
D5505	A D 3F
D5506	A D 3F
D5507	A D 3G
D5508	A D 3I
D5511	A D 3F
D5512	A D 3G
DIODE	
IC5501	B C 2F
IC5502	B C 2F
IC5503	B C 2G
IC5504	B C 2E
IC5505	B C 2D
IC5506	A D 4H
IC7101	B C 7E
IC8001	B C 6I
IC8002	B C 7I
IC8201	B C 6J
IC8202	B C 7J
RESISTOR	
R5501	A D 4B
R5502	A D 4B
R5503	B C 2C
R5504	B C 3C
R5505	B C 4C
R5506	A D 3D
R5507	B C 3H
R5508	B C 3H
R5509	B C 2H
R5510	B C 2H
R5511	B C 2I
R5512	B C 2I
R5513	B C 2I
R5514	B C 2I
R7102	B C 10D
R7108	B C 10E
R7109	B C 10E
R7110	B C 11E
R7111	B C 10F
R7112	B C 10F
R7113	B C 11E
R7114	B C 10E
R7115	B C 10E
R7116	B C 10E
R7117	A D 9E
R7145	B C 6D
R7146	B C 6F
R7147	B C 6F
R7148	B C 6F
R7149	B C 6F
R7150	B C 5F
R7151	B C 6E
R8001	B C 6I
R8002	B C 6I
R8003	B C 6I
R8004	B C 6I
R8005	B C 6H
R8006	B C 6H
R8007	B C 6H
R8008	B C 6H
R8009	B C 6I
R8010	B C 6I
R8011	B C 6H
R8012	B C 6H
R8013	B C 8I
R8014	B C 8I
R8015	B C 7I
R8016	B C 7I
R8017	B C 7I
R8018	B C 7I
R8019	B C 7I
R8051	B C 5I
R8052	B C 6J
R8201	B C 5J
R8202	B C 5J
R8203	B C 5J
R8204	B C 6J
R8205	B C 6J
R8206	B C 6J
R8207	B C 6K
R8208	B C 6K
R8209	B C 6K
R8210	B C 6K
R8211	B C 5J
R8212	B C 5J
R8213	B C 7J
R8214	B C 7J
R8215	B C 7J
R8216	B C 7J
R8217	B C 8J
R8218	B C 8J
R8219	B C 8K
R8220	B C 7K
R8221	B C 7K
R8222	B C 7K
R8231	B C 5J
R8232	B C 5J
R8233	B C 8I
OTHER	
K4111	B C 12C
K4112	B C 12C
K4113	B C 12C
K4114	B C 12C
K7101	B C 9F
K8001	B C 8H
K8002	B C 8H
K8202	B C 8J

■ JACK, DEMOD, OSD, OPERATION JACK, SWITCH DISPLAY AND JACK CIRCUIT BOARDS



<36> JACK
LPB10248-001B



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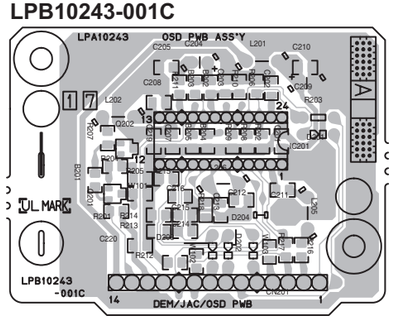
LPB10243-001C



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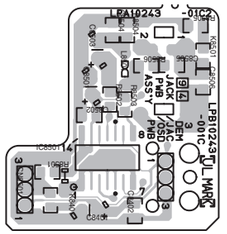
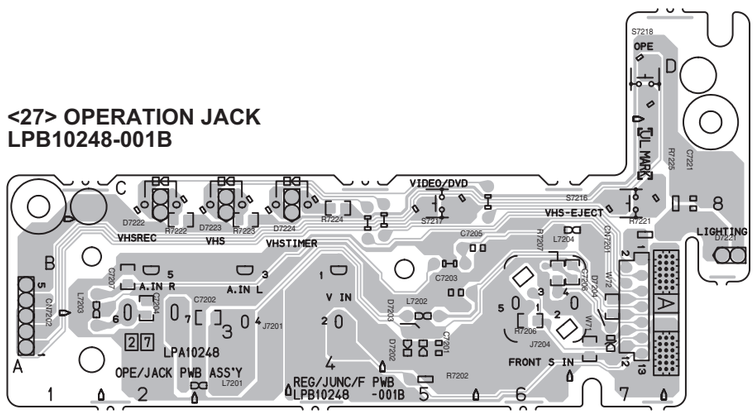


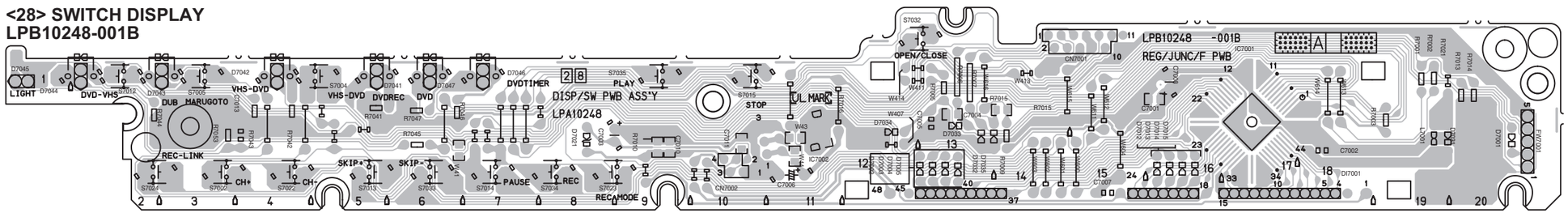
<94> JACK
LPB10243-001C



<27> OPERATION JACK
LPB10248-001B

COMPONENT PARTS LOCATION GUIDE <DEMOD> LPB10243-001C

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR		C6508	B C 3C	C6523	A D 4B	IC6650	B C 5C	R2312	B C 1C	R6653	B C 5B
C2301	A D 2C	C6509	A D 3C	C6619	B C 5B			R6501	B C 3C	R6654	B C 4C
C2302	A D 2B	C6510	A D 3B	C6650	B C 4C	**RESISTOR**		R6503	B C 3B	R6655	B C 5C
C2303	A D 2A	C6511	B C 3B	C6651	B C 4B	R2301	B C 2C	R6504	B C 4B	R6656	B C 5C
C2304	A D 1C	C6512	B C 3A	C6652	B C 5B	R2302	B C 2B	R6505	B C 4B	R6657	B C 5C
C2305	A D 2A	C6514	B C 3B			R2303	B C 1B	R6507	B C 4B		
C2306	B C 2B	C6515	A D 3A	CONNECTOR		R2304	B C 1A	R6508	B C 4B	**COIL**	
C6501	A D 4C	C6516	A D 3B	CN2301	A D 1C	R2305	B C 2C	R6509	B C 4A	L6501	A D 3A
C6502	A D 4C	C6517	B C 3B	CN6701	A D 4A	R2306	B C 2B	R6510	B C 5A		
C6503	A D 4C	C6518	B C 4B			R2307	B C 1B	R6511	B C 5A	**TRANSISTOR**	
C6504	B C 4C	C6519	A D 3B	**IC**		R2308	B C 2B	R6512	B C 5A	Q6650	B C 5C
C6505	A D 3C	C6520	A D 4B	IC2301	A D 2C	R2309	B C 1B	R6650	B C 5B		
C6506	B C 3C	C6521	A D 4B	IC6501	B C 3C	R2310	B C 1A	R6651	B C 5B	**OTHER**	
C6507	B C 3C	C6522	A D 4B	IC6601	B C 3C	R2311	B C 2A	R6652	B C 5B	PC044	B C 12P



<28> SWITCH DISPLAY
LPB10248-001B

COMPONENT PARTS LOCATION GUIDE <OPERATION JACK> LPB10248-001B

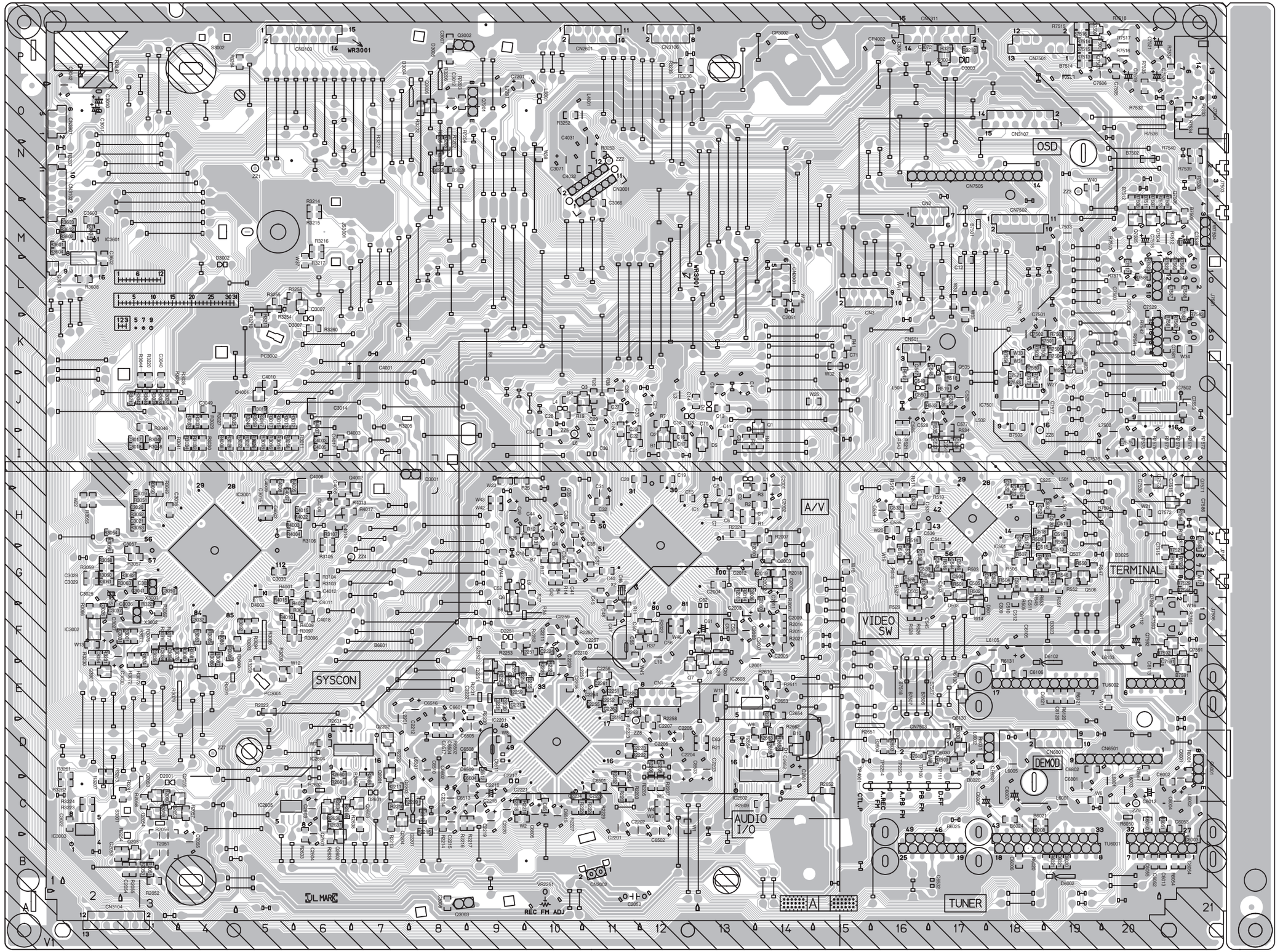
REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR		**CONNECTOR**		D7221	A D 8B	L7204	A D 7B	R7224	B C 4C
C7201	A D 5A	CN7201	A D 7B	D7222	A D 2C			R7225	A D 8C
C7202	B C 3A	CN7202	A D 1A	D7223	A D 3C	**REGISTOR**			
C7203	A D 5B			D7224	A D 4C	R7202	A D 5A	**OTHER**	
C7204	B C 2B					R7206	B C 6A	J7201	A D 3B
C7205	A D 5B	**DIODE**		**COIL**		R7207	B C 6B	J7204	A D 6B
C7206	B C 7B	D7202	A D 5A	L7201	A D 3A	R7221	A D 7B	S7216	A D 7C
C7207	B C 2B	D7203	A D 5A	L7202	A D 5A	R7222	B C 2B	S7217	A D 5C
C7221	A D 8C	D7204	A D 7A	L7203	A D 1B	R7223	B C 3B	S7218	A D 7D

COMPONENT PARTS LOCATION GUIDE <SWITCH DISPLAY> LPB10248-001B

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR		CONNECTOR		D7015	A D 16A	D7047	A D 6B	R7005	A D 13B	R7044	A D 2B	S7013	A D 5A
C7001	B C 16B	CN7001	A D 14C	D7021	A D 8B			R7006	A D 13B	R7045	A D 6A	S7014	A D 7A
C7002	A D 18A	CN7002	A D 10A	D7031	A D 20B	IC		R7007	A D 13B	R7046	A D 6B	S7015	A D 10B
C7003	A D 9B			D7032	A D 13A	IC7001	B C 17B	R7009	A D 14B	R7047	A D 6B	S7022	A D 4A
C7004	B C 13B	DIODE		D7033	A D 13B	IC7002	A D 11B	R7010	B C 9A	R7053	A D 3A	S7023	A D 9A
C7005	A D 13B	D7001	A D 20B	D7034	A D 12B			R7013	A D 20B			S7024	A D 2A
C7006	A D 11A	D7002	A D 13A	D7035	A D 14A	COIL		R7014	A D 20B	OTHER		S7032	A D 13C
C7007	A D 15A	D7003	A D 13A	D7041	A D 5B	L7001	A D 19A	R7015	B C 14B	DI7001	A D 15B	S7033	A D 6A
C7008	A D 16B	D7004	A D 13A	D7042	A D 4B			R7016	A D 11B	FW7001	A D 21A	S7034	A D 8A
C7010	B C 9A	D7005	A D 13A	D7043	A D 3B	REGISTOR		R7021	A D 20B	S7002	A D 3A	S7035	A D 9B
C7011	B C 10A	D7012	A D 16A	D7044	A D 1B	R7001	A D 19B	R7041	A D 6B	S7004	A D 5B		
C7013	A D 4A	D7013	A D 16A	D7045	A D 1B	R7002	A D 19B	R7042	A D 4B	S7005	A D 3B		
		D7014	A D 16A	D7046	A D 7B	R7003	A D 19B	R7043	A D 4B	S7012	A D 2B		

■ MAIN CIRCUIT BOARD

<03> MAIN
LPB10238-001B



COMPONENT PARTS LOCATION GUIDE <MAIN> LPB10238-001B

REF.NO.	LOCATION
CAPACITOR	
C1	B C 13H
C2	B C 13H
C3	B C 13I
C4	A D 13J
C5	B C 13H
C6	B C 13H
C7	B C 13H
C8	B C 13H
C9	A D 13J
C10	A D 12I
C11	B C 13I
C12	B C 17L
C13	B C 13J
C14	B C 12J
C15	B C 12H
C16	B C 12I
C17	B C 12I
C18	B C 12J
C19	B C 12I
C20	B C 11I
C21	B C 11I
C22	B C 11I
C23	B C 11J
C24	B C 11J
C25	A D 12J
C26	A D 11J
C27	B C 11J
C28	B C 10J
C29	B C 11J
C30	A D 11I
C31	A D 11H
C32	B C 11H
C33	A D 11J
C34	B C 10I
C35	A D 10H
C36	A D 10H
C37	B C 11G
C38	B C 10G
C39	A D 10H
C40	B C 11G
C41	B C 10G
C42	B C 10G
C43	A D 10H
C44	A D 10H
C45	B C 11G
C46	B C 11G
C47	A D 11F
C48	B C 11F
C49	A D 9H
C50	B C 12F
C52	B C 9G
C55	B C 11F
C56	B C 12F
C57	B C 13F
C58	B C 13F
C59	B C 13F
C60	B C 13F
C61	A D 12F
C62	A D 12F
C63	B C 13D
C71	B C 15K
C501	A D 19H
C502	B C 19H
C503	B C 17G
C504	B C 17G
C505	B C 17G
C506	B C 18G
C507	B C 18G
C508	B C 18G
C509	B C 18G
C510	B C 18G
C511	B C 18G
C512	B C 18G
C513	B C 19G
C514	B C 18H
C515	B C 19G
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C521	B C 18H
C522	B C 18I
C523	B C 18H
C524	B C 18H
C525	B C 18I
C526	B C 17I
C527	B C 17I
C528	A D 17J
C529	A D 17J
C530	B C 17J
C531	B C 16H
C532	B C 16H
C533	B C 16H
C534	A D 16H
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C537	B C 16G
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C539	B C 16G
C540	B C 16G
C541	B C 17G
C543	B C 17G
C544	B C 17G
C545	A D 17G
C546	B C 17G
C547	B C 16K
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C556	B C 16G
C565	A D 16J
C577	B C 17J
C578	B C 18G
C2001	A D 14H
C2002	A D 14H
C2003	A D 13F
C2004	B C 13G
C2005	A D 14F
C2006	B C 13G
C2007	A D 14F
C2008	A D 14F
C2009	B C 14F
C2010	B C 14F
C2011	A D 14G
C2012	A D 13G
C2051	B C 14L
C2052	A D 11A
C2053	B C 2B
C2054	B C 3B
C2055	A D 4B
C2201	A D 11C
C2202	A D 12C
C2203	A D 13D
C2204	A D 12D
C2205	A D 12D
C2206	A D 12D
C2207	B C 12D
C2208	B C 10E
C2209	A D 10E
C2210	A D 10F
C2211	A D 10F
C2212	A D 8E
C2213	B C 9E
C2214	A D 8C
C2215	A D 8C
C2216	A D 9C
C2217	A D 9C
C2218	A D 9C
C2219	A D 9C
C2220	A D 9C
C2221	B C 10C
C2222	B C 9E
C2223	B C 12D
C2224	B C 10F
C2230	B C 9E
C2231	B C 9E
C2234	B C 10C
C2235	B C 11C
C2251	B C 11E
C2252	B C 11E
C2253	B C 11E
C2254	A D 11E
C2255	B C 11E
C2256	B C 11E
C2257	A D 11F
C2259	A D 10F
C2261	B C 11E
C2262	B C 11E
C2603	A D 6C
C2604	A D 6B
C2651	A D 14D
C2652	B C 14C
C2653	A D 14E
C2654	B C 14E
C3004	B C 16P
C3007	B C 8P
C3008	B C 8A
C3010	A D 2O
C3011	A D 2O
C3012	A D 8O
C3014	B C 6J
C3015	B C 5H
C3016	B C 3H
C3017	B C 3I
C3018	B C 3I
C3019	B C 3H
C3020	B C 3H
C3021	B C 3H
C3022	B C 2C
C3024	B C 3G
C3025	A D 2G
C3026	B C 2F
C3027	A D 2F
C3028	B C 2G
C3029	B C 2G
C3030	A D 2E
C3031	B C 3F
C3032	B C 4F
C3033	B C 5G
C3034	B C 3F
C3035	B C 3F
C3036	B C 3F
C3037	B C 2F
C3040	B C 3J
C3041	B C 3G
C3042	A D 2O
C3049	B C 4J
C3050	B C 3G
C3054	B C 2F
C3056	B C 3F
C3057	B C 3G
C3066	B C 11M
C3071	A D 10N
C3072	B C 17P
C3602	B C 2L
C3603	B C 2M
C3604	B C 2M
C4001	B C 7K
C4002	B C 5H
C4003	B C 6I
C4004	B C 6H
C4005	B C 6I
C4006	B C 6I
C4007	B C 5H
C4008	B C 5I
C4009	B C 5I
C4010	B C 5J
C4011	B C 6F
C4012	B C 6G
C4014	B C 6H
C4015	B C 6H
C4016	B C 6H
C4017	B C 6I
C4018	B C 6F
C4031	A D 11O
C4032	B C 11N
C6001	A D 21D
C6002	B C 21C
C6003	B C 21B
C6004	A D 21C
C6005	A D 18C
C6006	B C 18B
C6007	A D 18C
C6008	B C 18C
C6012	A D 20C
C6013	B C 21B
C6020	B C 19B
C6021	B C 19B
C6052	B C 20B
C6053	B C 21C
C6054	B C 21B
C6055	B C 20B
C6105	A D 18F
C6106	B C 18E
C6112	A D 20F
C6113	B C 20E
C6120	B C 19E
C6121	B C 19E
C6501	B C 11C
C6502	A D 12C
C6503	A D 12D
C6504	B C 8D
C6505	A D 9D
C6508	B C 9D
C6509	B C 9D
C6510	A D 8D
C6511	A D 9D
C6512	B C 9D
C6513	A D 9C
C6514	B C 10C
C6515	A D 10C
C6516	A D 8E
C6517	B C 8D
C6532	A D 17B
C6601	A D 8E
C6602	A D 8C
C6604	B C 9C
C6605	A D 10C
C6801	A D 19C
C6802	B C 19D
C7201	A D 9O
C7501	A D 18K
C7502	B C 18K
C7503	B C 20L
C7504	A D 20L
C7505	B C 20P
C7506	A D 19P
C7515	B C 21G
C7516	A D 21I
C7517	B C 20L
C7518	A D 20M
C7519	A D 20P
C7520	A D 20P
C7521	A D 20P
C7529	B C 20L
C7538	A D 20I
C7539	A D 21M
C7553	B C 21J
C7571	B C 18J
C7573	B C 18J
C7575	B C 20I
C7576	A D 20I
C7577	B C 19J
C7581	B C 21K
C7582	B C 21L
C7585	B C 21H
C7586	B C 21H
C7587	B C 21L
C7588	B C 21L
C7591	B C 21E
CF6031	A D 18D
CONNECTOR	
CN1	A D 12E
CN2	A D 16M
CN3	A D 15L
CN501	A D 16K
CN2001	A D 14L
CN2002	A D 11B
CN2601	A D 10P
CN3001	A D 11N
CN3102	A D 1M
CN3103	A D 5P
CN3104	A D 3A
CN3106	A D 12P
CN3107	A D 19O
CN3901	A D 1O
CN5311	A D 17P
CN6001	A D 18D
CN6501	A D 20D
CN7501	A D 19P
CN7502	A D 18M
CN7503	A D 16D
CN7505	A D 16N
DIODE	
D1	B C 14D
D3	A D 13J
D4	A D 13J
D5	B C 13I
D501	B C 17G
D502	B C 17G
D2001	A D 4C
D2201	A D 8C
D2251	A D 9F
D2601	A D 7C
D3001	A D 8I
D3002	A D 4L
D3003	A D 17P
D3004	A D 8O
D3005	A D 8O
D3007	A D 6K
D4002	B C 5G
D6002	A D 19B
D6102	A D 19E
IC	
IC1	B C 12H
IC501	B C 17H
IC2201	B C 10D
IC2602	B C 14D
IC2603	B C 13E
IC2604	B C 7D
IC2605	B C 5C
IC3001	B C 4G
IC3002	B C 2F
IC3003	B C 2C
IC3601	B C 2L
IC7501	B C 18J
IC7502	B C 20J
COIL	
L1	A D 14I
L3	A D 12J
L4	A D 10J
L5	A D 11J
L6	A D 10I
L7	A D 11G
L9	A D 9G
L10	A D 12F
L501	A D 19H
L502	A D 17J
L503	A D 17J
L504	A D 16J
L2001	A D 14F
L2201	A D 7E
L2251	A D 11E
L3001	A D 10O
L4001	A D 11O
L6001	A D 19C
L6002	A D 21C
L6103	A D 19F
L6105	A D 17F
L6501	A D 8D
L6801	A D 20C
L7201	A D 9O
L7501	A D 18K
L7502	A D 20I
L7503	A D 19M
L7504	A D 19P
TRANSISTOR	
Q1	B C 14J
Q2	B C 12I
Q3	B C 11J
Q4	B C 10G
Q6	B C 9G
Q7	B C 12E
Q8	B C 13E
Q15	B C 10H
Q503	B C 16G
Q504	B C 17I
Q505	B C 17K
Q506	B C 19G
Q507	B C 19G
Q2001	B C 14G
Q2002	B C 14G
Q2003	B C 14G
Q2051	B C 3B
Q2052	B C 3C
Q2053	B C 3C
Q2054	B C 3C
Q2055	B C 4C
Q2201	B C 7D
Q2202	B C 7D
Q2203	B C 7C
Q2204	B C 7C
Q2252	B C 9E
Q2253	B C 9E
Q2254	B C 9E
Q2601	B C 6C
Q2602	B C 6B
Q2603	B C 7C
Q3002	A D 8P
Q3003	A D 8B
Q3004	B C 17P
Q3005	B C 8O
Q3007	B C 6L
Q3011	B C 1L
Q3901	B C 2E
Q4001	B C 5J
Q4002	B C 7H
Q4003	B C 7I
Q6001	A D 21C
Q6030	B C 17D
Q6130	B C 17E
Q7201	A D 9O
Q7501	B C 19K
Q7502	B C 19K
Q7503	B C 19K
Q7504	B C 20M
Q7505	B C 20M
Q7506	B C 21M
Q7507	B C 19P
Q7508	B C 19P
Q7509	B C 19P
Q7571	B C 21I
Q7572	B C 21H
Q7573	B C 21I
Q7591	B C 21F
Q7592	B C 21F
RESISTOR	
R1	B C 13H
R2	B C 14H
R3	B C 14I
R4	B C 14I
R5	B C 13I
R7	B C 12J
R11	B C 11F
R12	B C 10H
R14	B C 10G
R17	B C 10G
R18	B C 10H
R19	B C 11J
R20	B C 11J
R21	B C 13D
R24	A D 10F
R25	B C 9I
R26	B C 9H
R27	B C 10G
R31	B C 10H
R36	B C 6F
R37	B C 12F
R38	B C 11J
R41	B C 15K
R501	B C 17G
R502	B C 17G
R503	B C 18G
R504	B C 18G
R505	B C 18G
R506	B C 18G
R507	B C 18G
R508	B C 19H
R509	B C 18H
R510	B C 17H
R511	B C 16H
R512	B C 16H
R513	B C 16G
R514	B C 16H
R515	B C 16G
R516	B C 17G
R518	B C 17J
R519	B C 17J
R520	B C 16J
R521	B C 16J
R526	B C 16F
R527	B C 16G
R528	B C 16F
R529	B C 16G
R533	B C 17J
R534	B C 17I
R535	B C 17J
R542	B C 16J
R543	B C 16J
R545	B C 18G
R546	B C 19G
R547	B C 19G
R548	B C 18G
R549	B C 19G
R550	B C 19G
R551	B C 19G
R552	B C 19G
R553	B C 19G
R554	B C 19G
R2007	B C 14H
R2010	B C 13G
R2013	B C 13G
R2014	B C 13G
R2015	B C 14F
R2016	B C 14F
R2017	B C 14G
R2018	B C 14G
R2019	B C 14G
R2021	B C 14F
R2022	B C 12F
R2023	B C 5E
R2024	B C 13H
R2051	B C 3B
R2052	B C 3B
R2053	B C 3B
R2054	B C 3B
R2055	B C 3B
R2056	A D 3C
R2057	B C 4C
R2058	B C 3C
R2059	B C 3C
R2060	B C 3C
R2201	B C 11C
R2202	B C 11C
R2203	B C 11C
R2204	B C 11C
R2205	B C 12C
R2206	B C 12D
R2207	B C 12C
R2208	B C 12D
R2209	B C 8C
R2210	B C 7C
R2211	B C 7C
R2212	B C 8C
R2213	B C 7C
R2214	B C 8C
R2215	B C 8C
R2216	B C 8C
R2217	B C 9C
R2218	B C 9C
R2219	B C 10C
R2220	B C 7D
R2222	B C 12D
R2223	B C 11D
R2224	B C 10E
R2225	B C 10E
R2226	B C 11C
R2227	B C 10C
R2228	B C 11C
R2229	B C 11C
R2230	A D 9E
R2231	A D 9E
R2251	B C 10F
R2252	B C 10F
R2253	B C 9F
R2254	B C 9E
R2255	B C 10E
R2256	B C 9E
R2257	B C 10F
R2258	B C 12E
R2259	B C 9E
R2609	B C 14C
R2610	B C 14E
R2611	B C 14E
R2631	B C 6D
R2632	A D 6C
R2633	B C 6B
R2634	B C 6C
R2635	B C 6B
R2636	B C 6C
R2637	B C 6C
R2638	B C 7C
R2651	A D 16D
R2652	B C 15C
R2653	B C 14D
R2654	B C 13D
R2658	B C 14D
R2659	B C 14D
R2660	B C 6D
R2661	B C 6C
R2662	B C 14D
R2663	B C 14D
R2664	B C 7C
R2665	B C 7C
R2666	B C 6C
R2667	B C 20D
R3011	B C 6I
R3012	B C 6J
R3013	B C 5J
R3014	B C 5I
R3015	B C 5J
R3016	B C 5I
R3017	B C 5J
R3018	B C 5I
R3019	B C 5J
R3020	B C 5I
R3021	B C 5I
R3022	B C 5I
R3025	B C 4J
R3026	B C 4I
R3027	B C 4J
R3029	B C 4J
R3030	B C 4I
R3031	B C 4J
R3032	B C 4I
R3033	B C 4J
R3034	B C 4I
R3035	B C 4J
R3036	B C 3J
R3037	B C 3J
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R3052	B C 3H
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R3056	B C 2H
R3058	B C 2G
R3059	B C 2G
R3060	B C 2G
R3061	B C 2G
R3062	B C 3G
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R3066	B C 2F
R3069	B C 3F
R3071	B C 3F
R3072	B C 3F
R3073	B C 3F
R3074	B C 3F
R3075	B C 3F
R3076	B C 3F
R3077	B C 3F
R3078	B C 3F
R3079	A D 4E
R3080	B C 4F
R3081	B C 4F
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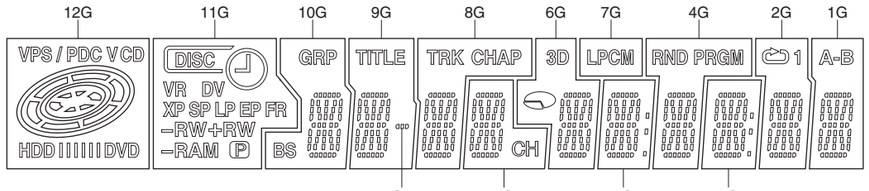
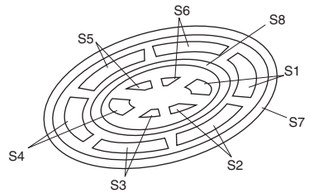
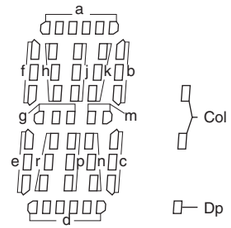
R3086	B C 4F
R3087	B C 4F
R3088	B C 4F
R3089	B C 4F
R3090	B C 5F
R3091	A D 4E
R3092	B C 5F
R3093	B C 5F
R3094	B C 5F
R3095	A D 5F
R3096	B C 6F
R3097	B C 5F
R3103	B C 6G
R3104	B C 6G
R3105	B C 6G
R3106	B C 6H
R3107	B C 6H
R3205	A D 8J
R3206	B C 8P
R3207	B C 2D
R3208	B C 5E
R3209	B C 5E
R3210	B C 5K
R3211	B C 5K
R3212	A D 7O
R3213	B C 3J
R3214	B C 6M
R3215	B C 6M
R3216	B C 6M
R3217	B C 6M
R3218	B C 17P
R3219	B C 17P
R3220	B C 3J
R3222	B C 8O
R3223	B C 2C
R3224	B C 2C
R3229	B C 3F
R3230	B C 2F
R3231	B C 2F
R3235	B C 12P
R3236	B C 12P
R3237	B C 1N
R3241	B C 3C
R3242	A D 2P
R3246	B C 5J
R3247	B C 5J
R3252	B C 10O
R3253	B C 11N
R3254	B C 5L
R3255	B C 5L
R3256	B C 5I
R3257	B C 8N
R3258	B C 6L
R3259	B C 5J
R3260	B C 6K
R3261	B C 2D
R3262	B C 2C
R3263	B C 2D
R3264	B C 5P
R3265	B C 8N
R3266	B C 8N
R3601	B C 1M
R3602	B C 2M
R3603	B C 2M
R3604	B C 1M
R3608	B C 2L
R3612	B C 2M
R4001	B C 5G
R4003	B C 6H
R4004	B C 6H
R4005	B C 6I
R4007	B C 6J
R4008	B C 4I
R4009	B C 5F
R4010	B C 5F
R4012	B C 6G
R4013	B C 6H
R4015	B C 5G
R4017	B C 6H
R4022	B C 6H
R6001	B C 21D
R6020	B C 19B
R6021	B C 19B
R6030	B C 17D
R6031	B C 17D
R6050	A D 20C
R6051	B C 21C
R6054	B C 21B
R6120	B C 19E
R6121	B C 19E
R6130	B C 17E
R6131	B C 18E
R6502	B C 8D
R7202	A D 8O
R7203	B C 8O
R7204	A D 8N
R7501	B C 19K
R7502	B C 19K
R7503	B C 18K
R7504	B C 19K
R7505	B C 19K
R7506	B C 19K
R7507	B C 20M
R7508	B C 20M
R7509	B C 21M
R7510	A D 20M
R7511	A D 20L
R7512	A D 21M
R7513	B C 19P
R7514	B C 19P
R7515	B C 19Q
R7516	A D 20P
R7517	A D 20P
R7518	A D 20P
R7519	B C 21G
R7520	B C 21G
R7521	B C 21G
R7522	B C 21L
R7523	B C 20L
R7528	B C 21M
R7529	B C 21G
R7532	A D 20O
R7533	B C 21O
R7534	B C 21O
R7535	B C 20O
R7536	A D 20O
R7537	B C 21P
R7538	B C 21N
R7539	B C 21N
R7540	B C 21N
R7541	B C 20K
R7542	B C 20K
R7543	B C 21L
R7544	B C 21G
R7553	B C 18J
R7554	B C 18K
R7561	B C 21K
R7562	B C 21K
R7563	B C 21H
R7564	B C 21H
R7565	B C 21L
R7566	B C 21L
R7571	A D 21I
R7572	A D 21I
R7573	A D 21I
R7574	A D 21I
R7575	A D 20I
R7576	A D 20I
R7580	B C 18K
R7581	B C 18J
R7588	B C 20L
R7591	B C 21F
R7592	B C 21F
R7593	B C 21F
OTHER	
CP3002	A D 14P
CP4002	A D 15P
FW7504	A D 21M
J7501	A D 22L
J7502	A D 22G
J7503	A D 22N
J7504	A D 22O
J7506	A D 22F
JS3001	A D 6M
K2251	B C 11E
K2252	B C 11E
K2253	B C 11E
K6050	B C 20C
PC3001	A D 5E
PC3002	A D 5K
S3001	A D 3C
S3002	A D 4P
T2051	A D 3B
TP106	A D 17C
TP111	A D 17C
TP2253	A D 16C
TP2254	A D 16C
TP3901	B C 3I
TP3902	B C 3H
TP3903	B C 3G
TP3904	B C 3G
TP3905	B C 2F
TP3906	B C 2H
TP3907	B C 3G
TP3908	B C 3G
TP3910	B C 6G
TP3911	B C 4I
TP4001	A D 16C
TU6001	A D 21B
TU6002	A D 21E
VR2251	A D 10A
X2	A D 11G
X3001	A D 3G
X3002	A D 3F

■ FDP GRID ASSIGNMENT AND ANODE CONNECTION







	12G	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	VPS/PDC	DISC	GRP	TITLE	TRK	LPCM	3D	col	RND	col		A-
P2	V(CD)		BS	S9	CHAP	CH		Dp	PRGM	Dp	1	B
P3	(V)CD	VR	a	a	a	a	a	a	a	a	a	a
P4	S1	DV	h	h	h	h	h	h	h	h	h	h
P5	S2	XP	j	j	j	j	j	j	j	j	j	j
P6	S3	SP	k	k	k	k	k	k	k	k	k	k
P7	S4	LP	b	b	b	b	b	b	b	b	b	b
P8	S5	EP	f	f	f	f	f	f	f	f	f	f
P9	S6	FR	m	m	m	m	m	m	m	m	m	m
P10	S7	-R	g	g	g	g	g	g	g	g	g	g
P11	S8	(-R)W	c	c	c	c	c	c	c	c	c	c
P12	HDD	+R	e	e	e	e	e	e	e	e	e	e
P13	B1	(+R)W	r	r	r	r	r	r	r	r	r	r
P14	B2	-RAM	p	p	p	p	p	p	p	p	p	p
P15	B3	P	n	n	n	n	n	n	n	n	n	n
P16	DVD	-	d	d	d	d	d	d	d	d	d	d

■ VOLTAGE CHARTS

<SW.REG>

MODE PIN NO.	REC	PLAY
IC5101		
1	85.2	85.6
2	6.3	6.7
3	6.5	6.6
4	16.2	16.6
5	7.5	7.8
IC5301		
1	2.4	2.4
2	0.0	0.0
3	4.8	4.7
IC5302		
1	2.5	2.5
2	2.0	2.0
3	0.0	0.0
4	1.2	1.2
5	4.9	4.9
Q5304		
1(E)	0.0	0.0
2(B)	4.9	4.9
3(C)	29.3	29.2
4(E)	29.3	29.2
5(B)	0.0	0.0
6(C)	0.0	0.0
Q5305		
E	10.7	10.8
C	12.0	12.0
B	11.3	11.3
Q5306		
E	5.0	5.1
C	5.8	5.8
B	5.7	5.7
Q5307		
E	11.6	11.6
C	11.6	11.6
B	10.9	10.9
Q5308		
E	0.0	0.0
C	0.0	0.0
B	2.6	2.6
Q5313		
E	13.2	13.1
C	13.1	13.1
B	12.4	12.4
Q5314		
E	5.2	5.2
C	5.2	5.2
B	4.5	4.4
Q5315		
E	0.0	0.0
C	0.0	0.0
B	4.9	4.9
CN5301		
1	5.0	5.0
2	10.7	10.7
3	32.6	32.4
4	54.1	53.9
5	2.6	2.6
6	-3.8	-4.1
7	0.0	0.0
8	0.0	0.0
9	4.9	4.9
10	5.8	5.8
11	4.9	4.9
12	12.0	12.0
13	0.0	0.0
14	12.0	12.0
15	0.0	0.0
CN5302		
1	11.6	11.6
2	0.0	0.0
CN5303		
1	13.1	13.1
2	0.0	0.0
3	0.0	0.0
4	5.2	5.2
CN5304		
1	4.9	4.9
2	2.0	2.0
3	2.0	2.0
4	3.5	3.5
5	4.9	4.9
6	5.8	5.8
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
10	0.0	0.0
11	10.8	10.8
12	-3.8	-3.9
13	-30.2	-30.2
14	-21.3	-21.2
15	-16.8	-16.8

<MAIN>

MODE PIN NO.	REC	PLAY
IC1		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	4.3	4.3
5	2.0	2.1
6	2.5	2.5
7	2.8	2.8
8	1.8	1.4
9	1.8	1.3
10	2.4	2.0
11	2.6	3.0
12	1.5	0.6
13	0.0	0.0
14	2.7	2.4
15	2.8	2.8
16	0.0	0.0
17	2.7	2.8
18	1.9	1.9
19	1.2	2.8
20	0.2	0.0
21	2.8	2.7
22	4.9	5.0
23	0.0	0.0
24	0.0	0.0
25	0.0	0.0
26	3.0	2.8
27	0.0	0.0
28	0.0	0.0
29	2.4	2.3
30	2.8	2.8
31	0.3	0.2
32	2.7	2.4
33	2.0	2.0
34	1.7	1.8
35	3.0	3.0
36	2.3	2.3
37	3.0	3.0
38	2.1	-
39	1.2	1.4
40	2.1	0.0
41	1.1	2.8
42	2.0	0.0
43	0.0	2.0
44	0.0	0.0
45	3.2	3.2
46	3.2	3.2
47	5.0	4.9
48	0.0	0.0
49	-	0.0
50	5.0	5.0
51	2.0	1.9
52	5.0	4.9
53	2.6	2.5
54	0.0	0.0
55	2.0	2.0
56	0.0	0.0
57	2.1	2.1
58	2.3	2.2
59	4.9	4.9
60	4.9	4.9
61	0.0	0.0
62	2.3	0.0
63	2.2	2.2
64	2.7	2.7
65	2.2	2.2
66	2.7	2.5
67	0.0	0.2
68	1.2	1.2
69	1.9	1.9
70	2.7	1.1
71	0.0	0.0
72	4.9	4.9
73	4.8	4.8
74	4.8	4.8
75	2.7	2.7
76	2.2	2.1
77	2.8	2.8
78	0.0	0.0
79	0.5	2.5
80	0.0	2.5
81	0.0	0.0
82	0.0	0.0
83	0.0	2.0
84	4.7	5.0
85	2.3	2.3
86	2.4	2.3
87	2.3	2.2
88	0.0	0.0
89	0.0	0.0
90	0.0	0.0
91	0.0	0.0
92	5.0	5.0
93	0.0	0.0
94	0.0	2.5
95	2.5	2.5
96	2.5	2.5

MODE PIN NO.	REC	PLAY
97	0.0	0.0
98	2.2	2.5
99	0.0	0.0
100	2.5	2.5
IC501		
1	2.8	2.7
2	0.1	0.2
3	2.1	2.1
4	5.0	5.0
5	2.8	2.8
6	0.2	0.2
7	2.1	2.1
8	0.0	0.0
9	0.0	0.0
10	0.1	0.0
11	2.1	2.0
12	2.8	2.8
13	0.0	0.0
14	2.7	2.7
15	1.5	1.4
16	2.7	2.7
17	2.4	2.4
18	0.0	0.0
19	1.5	1.5
20	0.0	0.0
21	2.6	2.6
22	2.7	2.6
23	0.0	2.9
24	0.0	2.7
25	2.8	2.8
26	4.9	5.0
27	0.1	2.8
28	2.1	2.2
29	0.0	2.3
30	0.0	0.1
31	3.0	3.0
32	0.0	0.0
33	2.8	2.8
34	0.4	0.4
35	2.8	2.8
36	3.1	3.0
37	0.0	0.0
38	3.8	3.7
39	4.2	4.2
40	2.8	2.7
41	2.6	2.6
42	2.8	2.8
43	3.0	3.0
44	1.6	1.6
45	2.5	2.6
46	0.0	5.0
47	0.0	0.6
48	2.8	2.2
49	0.0	0.0
50	0.0	0.0
51	2.9	0.0
52	0.0	0.0
53	3.2	3.2
54	0.0	2.8
55	1.9	1.8
56	0.0	2.5
IC2201		
1	2.4	2.4
2	0.0	0.0
3	2.4	2.4
4	0.0	0.0
5	2.3	2.4
6	2.5	2.4
7	2.0	2.0
8	0.1	0.4
9	0.0	0.0
10	0.0	0.0
11	0.0	0.0
12	2.0	2.0
13	2.5	2.5
14	0.0	0.0
15	0.0	0.0
16	2.6	2.5.
17	0.6	0.8
18	2.5	2.4
19	2.4	0.4
20	2.0	0.0
21	1.9	0.0
22	2.0	0.6
23	0.0	0.0
24	2.0	0.6
25	4.9	5.0
26	2.0	0.0
27	0.0	2.5
28	4.2	2.8
29	4.3	1.7
30	2.3	0.9
31	1.0	1.8
32	2.4	2.3
33	2.5	2.4
34	0.6	0.8
35	2.5	2.5

MODE PIN NO.	REC	PLAY
36	0.0	0.0
37	1.6	1.6
38	0.0	0.0
39	0.0	0.0
40	5.0	5.0
41	0.0	0.0
42	4.8	4.8
43	4.8	4.8
44	2.3	2.3
45	0.1	0.0
46	3.4	3.4
47	2.8	2.4
48	2.2	2.2
49	3.5	3.4
50	3.2	3.4
51	5.0	5.0
52	3.3	3.4
53	4.3	4.3
54	2.3	2.3
55	0.0	0.0
56	0.0	0.0
57	4.3	4.3
58	10.7	10.8
59	4.3	4.3
60	0.0	1.2
61	2.5	2.5
62	2.4	2.3
63	2.6	2.5
64	0.5	0.3
IC2602		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	-6.7	-6.5
8	0.0	0.0
9	0.0	0.0
10	0.0	0.0
11	0.0	0.0
12	0.0	0.0
13	0.0	0.0
14	0.0	0.0
15	0.0	0.0
16	5.5	5.4
IC2603		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	-6.7	-6.5
5	0.0	0.0
6	0.0	0.0
7	0.0	0.0
8	9.2	9.2
IC2604		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	-6.7	-6.4
8	0.0	0.0
9	5.0	5.0
10	0.0	0.0
11	0.0	0.0
12	0.0	0.0
13	0.0	0.0
14	0.0	0.0
15	0.0	0.0
16	5.5	5.5
IC2605		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	-6.8	-6.4
5	0.0	0.0
6	0.0	0.0
7	0.0	0.0
8	9.1	9.1
IC3001		
1	2.8	2.4
2	0.0	0.0
3	1.8	2.5
4	2.5	2.4
5	0.0	0.0
6	2.6	2.6
7	2.5	2.4
8	2.3	2.4
9	5.0	5.0
10	0.0	5.0
11	0.0	0.0
12	1.7	1.7
13	0.0	0.0
14	4.6	4.6
15	4.3	0.0

MODE PIN NO.	REC	PLAY
16	5.0	5.0
17	0.0	0.0
18	0.0	0.0
19	0.0	0.0
20	2.3	2.3
21	0.0	2.0
22	4.2	2.7
23	0.0	0.0
24	4.9	4.9
25	4.9	0.0
26	0.0	0.0
27	5.0	0.0
28	0.0	0.0
29	4.9	4.9
30	0.0	0.0
31	0.0	0.0
32	5.0	14.9
33	0.0	0.0
34	0.0	0.0
35	2.4	0.0
36	5.0	5.0
37	4.7	4.7
38	0.0	0.0
39	2.8	0.0
40	0.0	0.0
41	4.9	4.9
42	4.3	4.3
43	0.0	0.0
44	0.0	0.0
45	5.0	0.0
46	0.1	-
47	0.5	-
48	4.1	4.0
49	4.8	4.8
50	4.8	4.8
51	4.8	4.8
52	1.5	-
53	4.3	4.1
54	-	4.9
55	-	-
56	-	-
57	0.2	0.1
58	5.0	0.0
59	0.0	0.0
60	4.3	5.0
61	4.3	0.0
62	0.0	0.0
63	0.0	0.0
64	0.0	1.2
65	0.6	0.6
66	5.1	5.0
67	2.4	2.4
68	0.0	0.0
69	2.4	2.4
70	5.0	0.0
71	5.0	5.0
72	0.0	0.0
73	0.0	0.0
74	0.0	0.0
75	0.0	-
76	3.7	3.6
77	0.0	0.0
78	5.0	0.0
79	0.4	0.1
80	0.0	0.0
81	0.0	0.0
82	5.0	5.0
83	5.0	0.0
84	0.0	0.0
85	0.0	0.0
86	0.0	0.0
87	0.0	0.0
88	4.9	0.0
89	0.0	5.0
90	0.0	5.0
91	3.0	2.8
92	5.0	5.0
93	0.0	0.0
94	5.0	4.9
95	0.1	0.0
96	4.9	4.9
97	4.9	4.9
98	0.2	0.3
99	0.0	2.5
100	2.5	2.4
101	2.5	2.5
102	2.4	2.4
103	0.0	0.0
104	5.0	4.9
105	0.0	0.0
106	5.0	5.0
107	0.0	0.0
108	1.3	1.2
109	5.0	5.0
110	0.0	0.0
111	0.0	0.0
112	2.5	2.5

MODE PIN NO.	REC	PLAY
IC3002		
1	5.0	5.0
2	5.0	5.0
3	0.0	0.0
4	0.0	0.0
IC3003		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	4.0	3.6
6	4.1	4.2
7	0.0	0.0
8	5.0	5.0
IC3601		
1	0.0	0.0
2	0.1	0.1
3	0.1	0.1
4	0.0	0.0
5	4.8	0.0
6	0.0	0.0
7	0.0	0.0
8	2.6	2.6
9	3.8	3.7
10	0.2	-
11	0.3	3.7
12	3.5	3.5
13	3.7	3.7
14	3.3	3.4
15	0.0	0.0
16	5.0	5.0
IC7502		
1	2.4	2.3
2	0.0	0.2
3	2.2	2.2
4	2.4	2.3
5	2.4	2.3
6	0.0	0.0
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
10	0.0	0.0
11	0.0	0.0
12	2.4	2.3
13	2.2	2.2
14	2.3	2.3
15	0.0	0.2
16	5.8	5.8
Q503		
E	1.8	1.8
C	4.9	5.0
B	2.4	2.4
Q504		
E	1.5	1.5
C	0.0	0.0
B	0.8	0.8
Q505		
E	2.9	3.0
C	0.0	0.0
B	2.2	2.3
Q506		
E	3.1	3.0
C	0.0	0.0
B	2.4	2.3
Q2001		
E	-9.9	0.0
C	0.0	0.0
B	-18.4	0.7
Q2002		
E	-9.9	0.0
C	0.0	0.0
B	-18.1	0.7
Q2003		
E	5.0	5.0
C	-18.2	4.9
B	4.8	0.0
Q2051		
E	0.0	0.0
C	7.5	0.0
B	0.3	0.0
Q2052		
E	10.6	10.7
C	10.5	0.0
B	10.0	10.7
Q2053		
E	0.0	0.0
C	0.0	10.6
B	5.0	0.0
Q2054		
E	10.4	0.0
C	10.3	0.0
B	9.8	0.0
Q2055		
E	0.0	0.0
C	0.0	0.0
B	4.8	0.0
Q2201		

MODE PIN NO.	REC	PLAY
E	5.8	5.8
C	0.0	-0.7
B	5.7	5.7
Q2202		
E	0.0	0.0
C	5.7	5.7
B	0.0	0.0
Q2203		
E	0.0	0.0
C	0.0	0.0
B	0.0	-0.7
Q2204		
E	0.0	0.0
C	0.0	0.0
B	0.0	-0.9
Q2601		
E	0.0	0.0
C	0.0	0.0
B	0.0	-0.8
Q2602		
E	0.0	0.0
C	0.0	0.0
B	0.0	-0.8
Q2603		
E	5.2	5.2
C	0.0	-1.0
B	5.0	5.0
Q3002		
E	0.0	0.0
C	4.6	4.6
B	-	-
Q3003		
E	0.0	0.0
C	4.6	4.7
B	-	-
Q3004		
E	0.0	0.0
C	0.0	0.0
B	0.7	0.7
Q3005		
E	5.0	5.0
C	5.8	5.8
B	5.6	5.6
Q3011		
E	0.0	0.0
C	0.0	0.0
B	3.5	3.5
Q3901		
E	0.0	0.0
C	5.0	5.0
B	0.0	0.0
Q4001		
E	0.0	0.0
C	0.0	0.0
B	4.9	4.9
Q6030		
E	2.1	2.2
C	0.0	0.0
B	1.6	1.6
Q6130		
E	2.8	2.8
C	0.0	0.0
B	2.2	2.1
Q7201		
E	0.0	0.0
C	5.7	5.7
B	0.0	0.0
Q7501		
E	2.8	2.8
C	0.0	0.0
B	2.2	2.2
Q7573		
E	3.1	3.0
C	0.0	0.0
B	2.5	2.4
Q7591		
E	0.0	0.0
C	0.0	0.0
B	0.0	0.0
Q7592		
E	0.0	0.0
C	0.0	0.0
B	0.0	0.0
TU6001		
27	0.0	0.0
28	0.0	5.0
29	4.9	4.9
30	0.0	4.9
31	0.0	0.0
32	-	-
33	1.9	2.0
34	0.0	0.0
35	0.0	0.0
36	4.3	5.0
37	4.3	5.0
38	2.4	2.3
39	2.4	2.5

MODE PIN NO.	REC	PLAY
40	2.3	2.3
41	32.5	32.5
42	0.0	0.0
43	1.6	1.6
TU6002		
1	0.0	0.0
2	4.3	4.3
3	4.9	4.9
4	0.0	0.0
5	0.0	0.0
6	-	-
7	3.8	3.8
8	0.0	0.0
9	0.0	0.0
10	4.2	4.2
11	3.9	3.8
12	1.7	1.7
13	2.2	2.3
14	2.3	2.3
15	32.5	32.5
16	0.0	0.0
17	2.2	2.2
CN1		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	2.4	2.2
5	2.4	2.2
6	2.4	2.3
7	1.9	0.0
8	1.9	0.0
9	1.9	0.0
CN501		
1	0.0	0.0
2	1.8	1.8
3	0.0	0.0
4	3.0	3.0
CN2001		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	2.1	2.5
6	2.4	2.5
CN2002		
1	0.0	0.0
2	0.0	0.0
CN2601		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
10	3.3	3.3
11	1.7	1.7
CN3001		
1	2.4	2.4
2	12.0	12.0
3	5.0	5.0
4	0.0	0.0
5	10.1	10.1
6	0.0	0.0
7	0.0	0.0
8	12.0	12.0
9	2.5	2.5
10	2.4	2.4
11	1.2	1.2
12	2.4	2.4
CN3102		
1	3.3	3.4
2	3.7	3.7
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	5.0	5.0
7	4.3	4.9
8	4.3	4.1
9	4.8	4.8
10	1.4	1.8
11	-	3.0
CN3103		
1	4.8	4.8
2	4.8	4.8
3	5.0	5.0
4	3.9	4.0
5	2.4	-
6	0.4	0.5
7	0.2	-
8	0.0	0.0
9	4.7	4.9
10	5.0	5.0
11	0.0	0.0
12	5.0	5.0

MODE PIN NO.	REC	PLAY
13	4.8	4.8
14	0.0	0.0
15	0.0	0.0
CN3104		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.1	0.1
6	0.1	0.0
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
10	3.7	3.7
11	0.2	0.3
12	0.2	3.7
13	0.0	0.0
CN5311		
1	5.0	5.0
2	10.7	10.8
3	32.5	32.5
4	54.0	53.9
5	2.6	2.5
6	-6.7	-6.6
7	0.0	0.0
8	0.0	0.0
9	3.3	4.9
10	5.8	5.8
11	4.9	4.9
12	12.0	12.0
13	0.0	0.0
14	12.0	12.0
15	0.0	0.0
CN6501		
1	0.0	0.0
2	4.0	3.6
3	4.2	4.1
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	5.0	4.9
8	0.0	0.0
9	2.3	2.3
CN7501		
1	2.4	2.4
2	0.0	0.0
3	2.4	2.4
4	0.0	0.0
5	2.2	2.2
6	0.0	0.0
7	0.0	0.0
8	2.4	2.3
9	0.0	0.0
10	2.2	2.2
11	0.0	0.0
12	2.1	2.2
13	2.2	2.1
CN7505		
1	4.8	4.7
2	2.2	2.2
3	5.0	5.0
4	0.0	0.0
5	2.2	2.9
6	4.7	4.8
7	1.4	2.0
8	4.2	4.1
9	0.0	0.0
10	5.0	4.9
11	2.4	2.3
12	0.0	0.0
13	2.4	2.3
14	5.0	5.0
FW7504		
1	1.7	1.7
2	3.2	3.3
3	0.0	0.0
JS3001		
1	0.0	0.0
2	0.0	0.0
3	5.0	5.0
4	0.0	0.0
5	5.0	5.0

<DEMOD>

MODE PIN NO.	REC	PLAY
IC6501	-	-
IC6701	-	-

<ONSCREEN>

MODE PIN NO.	REC	PLAY
IC201		
1	0.0	0.0
2	2.6	2.6
3	5.0	5.0
4	0.0	0.0
5	0.0	0.0
6	2.4	2.5
7	2.5	2.4
8	5.0	5.0
9	2.7	3.2
10	4.1	4.0
11	1.8	1.8
12	5.0	5.0
13	2.4	2.5
14	0.0	0.0
15	2.4	2.4
16	5.0	5.0
17	3.0	3.0
18	3.6	3.6
19	5.0	5.0
20	5.0	5.0
21	5.0	5.0
22	4.9	4.9
23	5.0	5.0
24	5.0	5.0
CN201		
1	4.8	4.9
2	2.2	2.3
3	5.0	5.0
4	0.0	0.0
5	1.6	3.0
6	4.8	4.9
7	1.2	1.5
8	1.3	4.2
9	0.0	0.0
10	5.0	5.0
11	2.4	2.4
12	0.0	0.0
13	2.4	2.4
14	5.0	5.0

<OPERATION JACK>

MODE PIN NO.	REC	PLAY
CN7201		
1	0.0	0.0
2	0.4	3.8
3	0.3	0.1
4	3.8	3.8
5	0.0	0.1
6	0.0	0.0
7	0.0	0.0
8	0.0	0.0
9	0.2	0.0
10	0.0	0.0
11	0.0	0.0
12	0.0	0.0
13	0.0	0.0
CN7202		
1	0.2	0.2
2	1.1	1.1
3	0.0	0.0
4	0.0	0.0
5	5.0	5.0

<SWITCH DISPLAY>

MODE PIN NO.	REC	PLAY
IC7001		
1	5.0	5.0
2	5.0	5.0
3	5.0	5.0
4	5.0	5.0
5	2.8	2.7
6	4.7	4.7
7	1.2	1.5
8	0.0	4.2
9	2.9	2.7
10	0.0	0.0
11	0.0	0.0
12	0.0	0.0
13	5.0	5.1
14	-27.2	-27.2
15	-29.5	-29.6
16	-29.6	-29.6
17	-29.6	-29.6
18	-28.4	-29.5
19	-26.0	-27.1
20	-25.9	-29.6
21	-27.1	-28.6
22	-17.5	-18.7
23	-17.3	-19.8
24	-24.6	-29.5
25	-27.1	-29.5
26	-29.6	-29.5
27	0.0	-29.5
28	0.0	-27.1
29	-27.2	-29.6
30	-30.3	-30.2
31	-27.5	-27.4
32	-27.5	-27.4
33	-27.5	-27.4
34	-27.5	-27.5
35	-27.4	-27.4
36	-27.5	-27.4
37	-27.5	-27.4
38	-27.5	-27.4
39	-27.5	-27.5
40	-27.5	-27.4
41	-27.5	-27.4
42	0.0	-27.4
43	5.0	5.0
44	0.0	0.0
IC7002		
1	5.0	5.0
2	5.0	5.0
3	0.0	0.0
CN7001		
1	2.9	2.7
2	1.0	1.8
3	4.8	4.9
4	4.2	4.1
5	5.0	5.0
6	5.0	5.0
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
10	3.7	3.7
11	3.5	3.5
CN7002		
1	0.0	0.0
2	-16.9	-17.0
3	-30.3	-30.2
4	-21.2	-21.2
FW7001		
1	0.3	0.2
2	1.0	1.1
3	0.0	0.0
4	0.0	0.0
5	5.0	5.0

<JUNCTION>

MODE PIN NO.	REC	PLAY
IC5501		
1	2.6	2.6
2	0.0	0.0
3	0.0	0.0
4	1.2	1.1
5	4.9	4.9
6	0.0	0.0
7	0.0	0.0
8	3.4	3.3
IC5502		
1	5.0	5.0
2	0.0	0.0
3	0.0	0.0
4	3.3	3.3
5	4.9	4.9
6	0.0	0.0
7	0.0	0.0
8	5.7	5.7
IC5503		
1	5.0	5.0
2	0.0	0.1
3	0.0	0.0
4	3.3	3.3
5	4.9	4.9
6	0.0	0.0
7	0.0	0.0
8	5.7	5.7
IC5504		
1	2.4	3.4
2	0.0	0.0
3	0.0	0.0
4	2.0	2.0
5	4.9	4.9
6	0.0	0.0
7	4.2	4.2
IC5505		
1	3.3	3.3
2	0.0	0.0
3	0.0	0.0
4	1.9	1.9
5	4.9	4.9
6	0.0	0.0
7	4.2	4.2
IC7101		
1	5.0	4.9
2	2.3	2.3
3	4.8	4.8
4	1.0	1.2
5	0.0	0.0
6	1.6	1.6
7	0.0	0.1
8	2.3	2.4
9	3.4	3.4
10	1.7	1.7
11	0.0	0.0
12	2.3	2.3
13	4.8	4.7
14	2.3	2.3
15	0.0	0.0
16	2.4	2.4
17	0.0	0.0
18	2.4	2.4
19	0.0	0.0
20	2.2	2.3
21	2.2	2.2
22	0.0	0.0
23	2.2	2.2
24	0.0	0.0
25	0.0	0.0
26	2.4	2.3
27	0.0	0.0
28	4.9	4.9
IC8001		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	-3.8	-3.6
5	0.0	0.0
6	0.0	0.0
7	0.0	0.0
8	8.5	8.5
IC8002		
1	2.4	2.5
2	2.4	2.5
3	0.0	0.0
4	2.4	2.5
5	0.0	0.0
6	5.0	4.9
7	3.4	3.4
8	0.0	0.0
9	1.3	0.9
10	1.7	1.7
11	1.7	1.7
12	1.7	1.7
13	3.1	3.1
14	3.4	3.4
15	0.0	0.0

MODE PIN NO.	REC	PLAY
16	0.0	0.0
IC8201		
1	-	0.7
2	1.4	1.4
3	0.0	1.1
4	-4.1	-3.8
5	0.9	1.0
6	1.5	1.6
7	1.5	1.0
8	8.5	8.6
IC8202		
1	1.7	1.8
2	1.4	1.7
3	1.8	1.8
4	1.7	1.6
5	3.4	3.4
6	3.4	3.4
7	2.9	2.8
8	0.1	0.0
9	2.0	2.5
10	3.1	2.0
11	2.1	2.9
12	2.1	2.6
13	0.0	0.0
14	4.9	4.9
15	0.0	0.0
16	0.0	0.0
Q5501		
E	-4.3	-3.6
C	-4.3	-3.7
B	-3.3	-3.2
Q5502		
1(E)	0.0	0.0
2(B)	5.0	5.0
3(C)	5.8	5.8
4(E)	5.8	5.8
5(B)	0.0	0.0
6(C)	-	0.0
Q5503		
E	-16.9	-16.8
C	-16.8	-16.7
B	-16.2	-16.1
Q5504		
1(E)	0.0	0.0
2(B)	5.0	5.7
3(C)	5.7	5.7
4(E)	5.8	5.8
5(B)	0.0	0.0
6(C)	0.0	0.0
Q7101		
E	1.9	1.9
C	0.0	0.0
B	1.1	1.2
Q8001		
E	0.0	0.0
C	0.0	0.0
B	0.7	0.7
Q8002		
E	0.0	0.0
C	0.0	0.0
B	0.7	0.7
Q8003		
E	0.0	0.0
C	0.0	0.0
B	5.0	5.0
Q8004		
E	0.0	0.0
C	0.0	0.0
B	0.0	0.0
Q8005		
E	5.0	5.0
C	4.8	4.8
B	0.0	0.0
CN5501		
1	4.9	4.8
2	2.0	1.9
3	1.9	1.8
4	3.4	3.4
5	4.9	4.9
6	5.8	5.8
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
10	0.0	0.0
11	10.8	10.8
12	-4.1	-3.9
13	-30.2	-30.1
14	-21.3	-21.1
15	-16.8	-16.7
CN7102		
1	4.8	4.8
2	4.8	4.7
3	5.0	5.0
4	4.0	4.0
5	-	2.0
6	0.4	0.5
7	0.1	0.1

MODE PIN NO.	REC	PLAY
8	0.0	0.0
9	4.9	4.9
10	5.0	5.0
11	0.0	0.0
12	5.9	5.0
13	4.8	4.8
14	0.0	0.0
15	0.0	0.0
CN7103		
1	-21.1	-21.2
2	-16.9	-16.9
3	-30.2	-30.2
4	0.0	0.0
CN7104		
1	3.0	3.0
2	0.0	0.0
3	1.7	1.8
4	0.0	0.0
CN7105		
1	2.7	2.7
2	0.0	0.0
3	3.4	3.4
4	3.5	3.4
CN7106		
1	3.4	3.4
2	3.4	3.4
3	0.0	0.0
4	2.7	2.7
CN7107		
1	2.2	2.2
2	2.2	2.2
3	0.0	0.0
4	2.2	2.2
5	0.0	0.0
6	2.3	2.3
7	0.0	0.0
8	0.0	0.0
9	2.2	2.2
10	0.0	0.0
11	2.4	2.4
12	0.0	0.0
13	2.4	2.4
CN7108		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	1.2	1.2
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
10	1.1	1.1
11	1.1	1.1
12	0.0	0.0
13	3.4	3.4
14	1.1	1.1
15	0.0	0.0
16	0.0	0.0
17	0.0	0.0
18	3.0	3.0
19	1.7	1.7
20	1.7	1.7
21	3.4	3.4
22	0.0	0.0
23	3.5	3.5
24	1.7	1.7
25	0.0	0.1
26	1.7	1.7
27	2.7	2.7
28	1.8	1.6
CN7109		
1	0.0	0.0
2	4.0	4.2
3	0	0.0
4	2.1	1.7
5	1.4	1.3
6	5.0	5.0
7	4.9	4.9
8	5.0	5.0
9	0.0	0.0
10	5.0	5.0
11	0.1	0.1
12	0.0	0.0
13	0.6	5.0
14	5.0	5.0
15	0.0	0.0
16	3.3	3.2
17	0.0	0.0
18	0.0	0.0
19	1.7	1.6
20	0.0	0.0
21	1.8	1.7
22	1.8	1.8
23	1.8	1.7
24	1.8	1.8
25	2.5	2.6

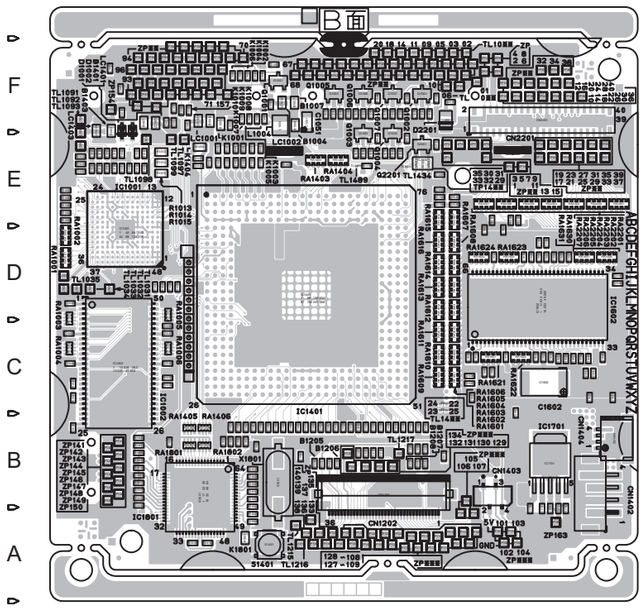
MODE PIN NO.	REC	PLAY
26	2.5	2.5
27	3.4	3.4
28	3.4	3.5
CN7125		
1	3.4	3.4
2	3.4	3.4
3	0.0	0.0
4	0.0	2.7
CN8001		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	0.0	0.0
8	0.0	0.0
9	0.0	0.0
10	3.3	3.3
11	1.7	1.7

<JACK>

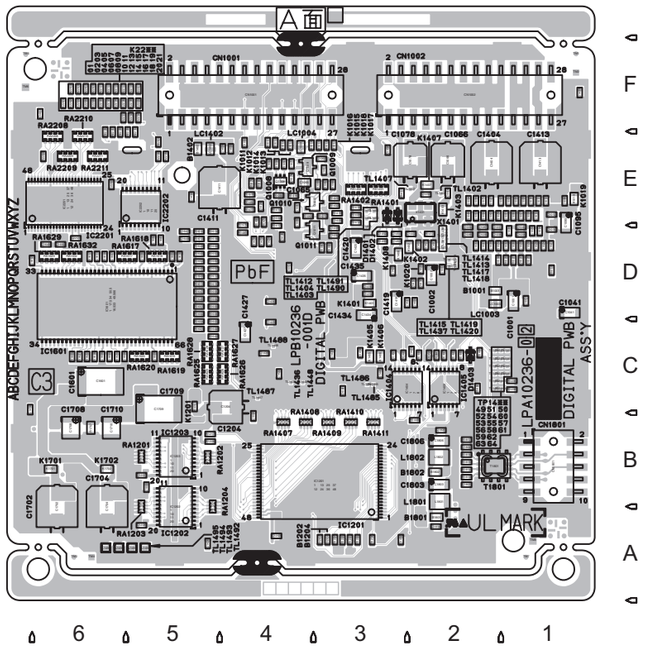
MODE PIN NO.	REC	PLAY
IC8501		
1	0.0	0.0
2	0.0	0.0
3	0.0	0.0
4	0.0	0.0
5	0.0	0.0
6	0.0	0.0
7	0.0	0.0
8	0.0	1.7
9	1.7	1.8
10	3.3	3.2
11	1.6	1.6
12	1.7	1.7
13	3.3	3.3
14	3.3	3.3
CN4104	-	-
CN8501		
1	1.7	1.7
2	3.3	3.3
3		0.0

■ DIGITAL CIRCUIT BOARD

<02> DIGITAL
LPB10236-001D **-FOIL SIDE-**



<02> DIGITAL
LPB10236-001D **-COMPONENT SIDE-**



COMPONENT PARTS LOCATION GUIDE <DIGITAL> LPB10236-001D

REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION	REF.NO.	LOCATION
CAPACITOR		C1422	A C 4C	CN1801	A C 1B	R1222	A C 3A	R1625	B C 6C	RA1629	A C 6D
C1001	A C 1D	C1423	A C 3E	CN2201	B C 6F	R1223	A C 3A	R1626	B C 6D	RA1630	B C 6D
C1002	A C 2D	C1424	A C 4D			R1224	A C 3A	R1627	B C 6D	RA1631	B C 6D
C1003	A C 2D	C1425	A C 3D	**DIODE**		R1225	A C 3A	R1628	B C 6D	RA1632	A C 6D
C1004	A C 1D	C1426	A C 5A	D1001	B C 1F	R1226	A C 5B	R1642	A C 5C	RA1801	B C 2B
C1005	A C 1E	C1427	A C 4C	D1002	B C 1F	R1227	B C 3B	R1644	B C 6C	RA1802	B C 2B
C1006	A C 1E	C1428	A C 4E	D1401	A C 3E	R1228	B C 3B	R1645	A C 5D	RA2201	B C 7E
C1007	A C 1E	C1429	A C 4C	D1402	A C 3E	R1229	B C 4B	R1646	A C 5D	RA2202	B C 6E
C1008	A C 1E	C1430	A C 4D	D1403	A C 2C	R1230	B C 5B	R1647	A C 5D	RA2203	B C 6E
C1009	A C 1E	C1431	B C 3B	D2201	B C 5F	R1231	B C 5B	R1648	A C 5D	RA2204	B C 6E
C1010	A C 1E	C1432	A C 3A			R1401	B C 2E	R1649	A C 5D	RA2205	B C 6E
C1011	A C 1E	C1433	A C 1F	**IC**		R1402	A C 3E	R1650	A C 5D	RA2206	B C 5E
C1012	A C 1E	C1434	A C 3D	IC1001	B C 1D	R1408	A C 2D	R1651	A C 5D	RA2207	B C 5E
C1013	A C 1E	C1435	A C 3D	IC1002	B C 1C	R1409	A C 3E	R1652	A C 5D	RA2208	A C 6E
C1014	A C 1D	C1436	A C 3D	IC1201	A C 3B	R1410	A C 3E	R1653	A C 5D	RA2209	A C 6E
C1015	A C 1E	C1437	A C 3D	IC1202	A C 5B	R1411	A C 3E	R1654	A C 5D	RA2210	A C 6E
C1016	A C 1D	C1438	A C 3D	IC1203	A C 5B	R1412	A C 3E	R1655	A C 5D	RA2211	A C 6E
C1017	B C 1E	C1439	A C 3C	IC1401	B C 3D	R1413	A C 2D	R1656	A C 5D		
C1018	B C 1E	C1440	B C 3F	IC1404	A C 3C	R1414	A C 4E	R1657	A C 5D	**OTHER**	
C1019	B C 1E	C1441	B C 1F	IC1405	A C 2C	R1415	B C 4E	R1658	A C 5D	K1001	B C 2F
C1020	A C 1D	C1442	A C 2D	IC1601	A C 6D	R1416	A C 4E	R1659	A C 5D	K1002	B C 3F
C1021	A C 1D	C1443	B C 1F	IC1602	B C 6D	R1417	A C 4D	R1660	A C 5D	K1003	B C 3F
C1022	B C 1E	C1444	A C 2E	IC1701	B C 6B	R1419	A C 3E	R1701	B C 6A	K1004	B C 3F
C1023	B C 1E	C1445	A C 3C	IC1801	B C 2B	R1420	A C 3E	R1702	B C 6A	K1005	B C 3F
C1024	A C 1D	C1446	A C 4D	IC2201	A C 6E	R1421	B C 2E	R1703	B C 5E	K1006	B C 2F
C1025	A C 1D	C1447	B C 2E	IC2202	A C 5E	R1422	B C 2E	R1704	B C 6D	K1007	B C 3F
C1026	A C 1D	C1448	B C 2E			R1423	B C 2E	R1707	A C 6B	K1008	B C 2F
C1027	A C 1D	C1449	B C 3F	**COIL**		R1424	B C 3E	R1801	B C 3B	K1009	B C 2F
C1028	A C 1D	C1450	A C 2E	L1004	B C 3F	R1425	B C 3E	R1802	B C 3B	K1010	B C 2F
C1029	A C 1D	C1452	A C 3D	L1801	A C 2B	R1426	B C 3E	R1803	B C 2B	K1011	A C 4E
C1030	A C 1D	C1453	C 3D	L1802	A C 2B	R1427	A C 2D	R1804	B C 2B	K1012	A C 4E
C1031	A C 2D	C1454	A C 3D			R1428	B C 2D	R1805	B C 2B	K1013	A C 4E
C1032	A C 1D	C1455	A C 2D	**TRANSISTOR**		R1429	B C 2D	R1806	B C 1B	K1014	A C 4E
C1033	A C 2D	C1456	A C 3D	Q1001	B C 3F	R1430	B C 2D	R1807	B C 1B	K1015	A C 3E
C1034	A C 1D	C1457	A C 3C	Q1002	B C 4F	R1431	B C 2D	R1808	B C 1B	K1016	A C 4E
C1035	A C 2D	C1458	A C 2C	Q1003	B C 4E	R1432	B C 4B	R1809	B C 1B	K1017	A C 3E
C1036	A C 2D	C1459	B C 4B	Q1004	B C 4E	R1433	B C 4B	R1810	B C 1B	K1018	A C 3E
C1037	A C 2D	C1601	A C 6C	Q1005	B C 4F	R1434	B C 4B	R1811	B C 1B	K1019	A C 1E
C1038	A C 1D	C1602	B C 6C	Q1006	B C 4F	R1435	B C 5B	R1812	B C 1B	K1020	A C 2D
C1039	A C 2D	C1605	A C 5D	Q1007	B C 4F	R1436	B C 4B	R1813	A C 2B	K1201	A C 5C
C1040	A C 1D	C1606	A C 5D	Q1008	A C 4E	R1437	B C 4B	R1814	A C 2B	K1401	A C 3D
C1041	A C 1D	C1607	A C 6D	Q1009	A C 4E	R1438	B C 4B	R1815	A C 2B	K1402	A C 2D
C1042	B C 1D	C1608	A C 6C	Q1010	A C 3E	R1439	B C 4B	R1816	A C 2B	K1403	A C 2E
C1043	B C 1C	C1609	A C 5C	Q1011	A C 3D	R1440	B C 4B	R1817	A C 2B	K1404	B C 2E
C1044	B C 1C	C1610	A C 5D	Q2201	B C 4E	R1441	A C 2C	R1818	B C 2A	K1405	A C 3C
C1045	B C 1B	C1611	A C 6D			R1443	A C 2C	R1819	B C 2A	K1406	A C 3C
C1046	B C 2C	C1612	A C 7D	**RESISTOR**		R1444	A C 2C	R1820	B C 3A	K1407	A C 2E
C1047	B C 2C	C1613	B C 5C	R1001	B C 1E	R1445	A C 3C	R1821	B C 1B	K1408	A C 3D
C1048	B C 3F	C1614	B C 5C	R1002	B C 1E	R1446	A C 2C	R1822	B C 3B	K1701	A C 6B
C1049	B C 1F	C1615	B C 6C	R1003	B C 1E	R1447	A C 2C	R1823	B C 3B	K1702	A C 6B
C1050	B C 1E	C1616	B C 6D	R1004	B C 1E	R1448	A C 2C	R2201	B C 5E	K1801	B C 3A
C1051	B C 3F	C1617	B C 5D	R1005	B C 1E	R1449	A C 2B	R2202	B C 5E	K2201	A C 6F
C1052	A C 4E	C1618	B C 5C	R1006	B C 1E	R1450	B C 3B	R2203	B C 5E	K2202	A C 6F
C1053	A C 4E	C1619	B C 6C	R1007	B C 1E	R1451	B C 2B	R2204	A C 6E	K2203	A C 6F
C1054	A C 4D	C1620	B C 6C	R1009	B C 1E	R1452	B C 3B	R2205	A C 5E	K2204	A C 6F
C1055	A C 5B	C1621	B C 7C	R1010	A C 1D	R1453	B C 3B	R2206	A C 6E	K2205	A C 6F
C1056	A C 3E	C1622	B C 6C	R1012	B C 1E	R1458	B C 3B	R2207	A C 6E	K2206	A C 6F
C1057	B C 5E	C1623	B C 5C	R1013	B C 2E	R1459	B C 3B	R2208	A C 6E	K2207	A C 6F
C1058	A C 2D	C1624	B C 5D	R1014	B C 2E	R1460	B C 3B	R2209	A C 5E	K2208	A C 6F
C1059	A C 4B	C1625	B C 5D	R1015	B C 2E	R1461	B C 3B	R2210	A C 5E	K2209	A C 6F
C1060	A C 2D	C1637	B C 5C	R1017	B C 2E	R1462	B C 3B	R2211	A C 6F	K2210	A C 6F
C1061	A C 3C	C1638	B C 5C	R1018	B C 1E	R1465	B C 3B	R2212	A C 5F	K2211	A C 6F
C1062	A C 2E	C1639	B C 5E	R1019	B C 1E	R1466	B C 3B	R2213	A C 5E	K2212	A C 6F
C1063	A C 3E	C1640	B C 5E	R1020	B C 1E	R1467	B C 3B	R2214	A C 5F	K2213	A C 6F
C1065	A C 4E	C1641	A C 5D	R1021	A C 1D	R1468	B C 3B	R2215	A C 5E	K2214	A C 6F
C1066	A C 2E	C1642	A C 5D	R1022	A C 1D	R1469	B C 3E	R2216	B C 5F	K2215	A C 6F
C1067	B C 2F	C1643	B C 5C	R1024	A C 2D	R1470	B C 4B	R2217	B C 5E	K2216	A C 6F
C1069	B C 3F	C1644	B C 5C	R1027	A C 2E	R1471	B C 3B	RA1001	B C 1D	K2217	A C 6F
C1070	B C 4F	C1645	B C 7D	R1028	A C 2E	R1472	B C 4B	RA1002	B C 1D	K2218	A C 5F
C1071	B C 4E	C1646	B C 7D	R1029	B C 2E	R1473	A C 4D	RA1003	B C 1D	K2219	A C 5F
C1072	B C 4E	C1647	A C 5D	R1030	B C 1C	R1474	A C 4E	RA1004	B C 1C	K2220	A C 5F
C1073	B C 3F	C1648	A C 5D	R1031	B C 1C	R1475	A C 4E	RA1005	B C 2D	K2221	A C 5F
C1074	B C 4F	C1649	A C 6D	R1032	B C 2C	R1476	A C 4E	RA1006	B C 2C	LC1001	B C 2F
C1075	B C 4F	C1650	A C 6D	R1033	B C 2C	R1477	A C 4E	RA1201	A C 5B	LC1002	B C 3F
C1076	A C 4E	C1651	B C 6C	R1034	B C 3F	R1478	A C 4E	RA1202	A C 5B	LC1003	A C 2D
C1077	A C 4E	C1652	B C 6C	R1035	B C 5F	R1479	A C 4D	RA1203	A C 5B	LC1004	A C 4E
C1078	A C 2E	C1653	B C 5E	R1036	B C 5F	R1480	A C 4E	RA1204	A C 5B	LC1401	B C 2F
C1079	B C 2F	C1654	A C 4E	R1037	B C 4F	R1481	A C 4D	RA1401	A C 3E	LC1402	A C 5E
C1087	A C 2D	C1655	A C 6C	R1038	B C 4E	R1482	A C 4E	RA1402	A C 3E	LC1403	B C 1F
C1088	B C 2C	C1656	A C 6C	R1039	B C 4E	R1483	A C 4E	RA1403	B C 3E	S1401	B C 3A
C1089	A C 2D	C1657	B C 6D	R1040	B C 4E	R1485	B C 2E	RA1404	B C 4E	T1801	A C 2B
C1090	A C 1E	C1658	B C 6D	R1041	B C 4E	R1486	B C 2E	RA1405	B C 2B	TM1	A C 1F
C1091	A C 1E	C1701	B C 6A	R1042	B C 4E	R1487	B C 2E	RA1406	B C 2B	TM2	A C 1F
C1092	A C 2E	C1702	A C 6B	R1043	B C 4E	R1488	B C 3E	RA1407	A C 4B	TM3	A C 6A
C1093	A C 2E	C1703	B C 6A	R1044	B C 4F	R1489	B C 3E	RA1408	A C 4B	TM4	A C 6A
C1094	A C 2E	C1704	A C 6B	R1045	B C 4F	R1490	B C 3E	RA1409	A C 3B	TM5	A C 7F
C1095	A C 1E	C1705	B C 5E	R1046	A C 2E	R1491	A C 2D	RA1410	A C 3B	TM6	A C 7F
C1096	A C 1E	C1706	B C 6D	R1047	B C 4F	R1492	B C 4B	RA1411	A C 3B	TM7	A C 1A
C1097	A C 4E	C1707	B C 6A	R1048	B C 4F	R1493	A C 3D	RA1601	B C 5C	TM8	A C 1A
C1098	A CA 4E	C1708	A C 6B	R1049	B C 4F	R1496	A C 1C	RA1602	B C 5C	X1401	A C 2E
C1203	A C 4A	C1709	A C 5C	R1050	A C 2E	R1497	A C 2C	RA1603	B C 5C	X1801	B C 3B
C1204	A C 4C	C1710	A C 6B	R1051	B C 4F	R1498	A C 1C	RA1604	B C 5D		
C1206	A C 5A	C1801	A C 2B	R1052	B C 4F	R1601	A C 5C	RA1605	B C 5D		
C1207	A C 5B	C1802	A C 2B	R1053	B C 4F	R1602	A C 5C	RA1606	B C 5D		
C1208	B C 4B	C1803	A C 2B	R1054	A C 2E	R1603	A C 5C	RA1607	B C 5E		
C1401	B C 2F	C1804	B C 3A	R1055	B C 4F	R1604	A C 5C	RA1608	B C 5D		
C1402	B C 2F	C1805	A C 2B	R1056	A C 4E	R1605	A C 6C	RA1609	B C 5C		
C1403	A C 3E	C1806	A C 2B	R1057	A C 4E	R1606	B C 6C	RA1610	B C 5C		
C1404	A C 2E	C1807	B C 3B	R1059	A C 4E	R1607	B C 6C	RA1611	B C 5C		
C1405	A C 2D	C1808	B C 3B	R1060	B C 1E	R1608	B C 6C	RA1612	B C 5D		
C1406	A C 4C	C1809	B C 3B	R1061	B C 1E	R1609	A C 5D	RA1613	B C 5D		
C1407	A C 6F	C1810	B C 3B	R1062	A C 3E	R1610	A C 5D	RA1614	B C 5D		
C1408	A C 4E	C1811	B C 1B	R1065	A C 3D	R1611	A C 5D	RA1615	B C 5E		
C1409	A C 4E	C1812	B C 1B	R1066	A C 3E	R1612	A C 5D	RA1616	B C 5D		
C1410	A C 7C	C1813	B C 3B	R1067	A C 3D	R1613	A C 5D	RA1617	A C 5D		
C1411	A C 5E	C1814	A C 2A	R1068	A C 3E	R1614	A C 5D	RA1618	A C 5D		
C1412	A C 5E	C2201	B C 6D	R1069	A C 4E	R1615	A C 5D	RA1619	A C 5C		
C1413	A C 1E	C2202	A C 6E	R1070	A C 3E	R1616	A C 5D	RA1620	A C 5C		
C1414	A C 3D			R1071	A C 2E	R1617	A C 6D	RA1621	B C 5C		
C1415	A C 2D	**CONNECTOR**		R1072	B C 1E	R1618	A C 6C	RA1622	B C 6C		
C1416	A C 3C	CN1001	A C 4F	R1216	A C 3A	R1619	A C 6D	RA1623	B C 5D		
C1417	B C 5C	CN1002	A C 2F	R1217	A C 5B	R1620	A C 6C	RA1624	B C 5D		
C1418	B C 5B	CN1202	B C 4B	R1218	B C 4B	R1621	A C 6C	RA1625	A C 5C		
C1419	A C 3D	CN1402	B C 6A	R1219	B C 4B	R1622	A C 6C	RA1626	A C 4C		
C1420	A C 3D	CN1403	B C 5B	R1220	B C 4B	R1623	B C 6C	RA1627	A C 4C		
C1421	A C 2C	CN1404	B C 7B	R1221	B C 4B	R1624	B C 6D	RA1628	A C 5C		

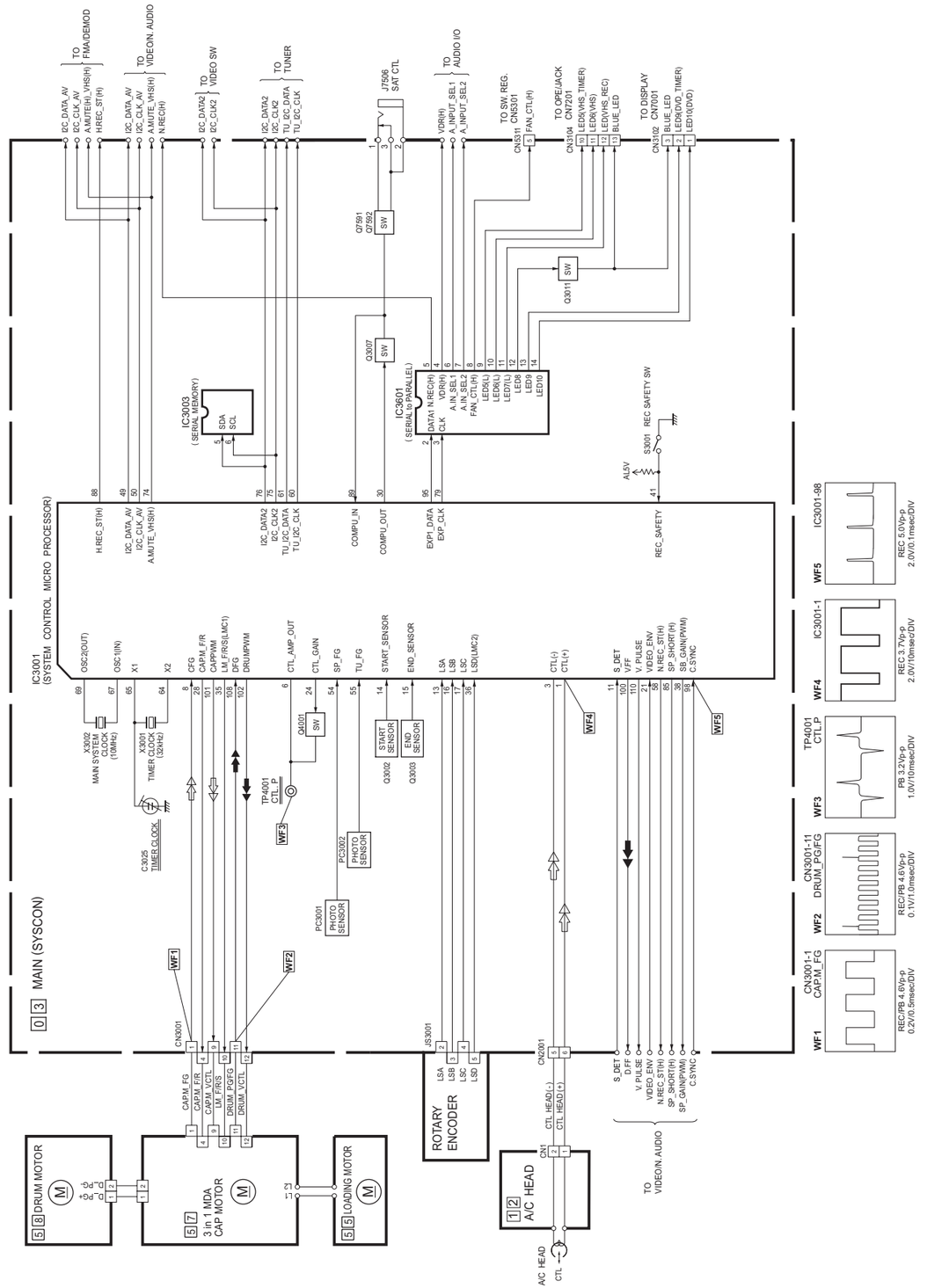
■ CPU PIN FUNCTION

<SYSCON IC3001>

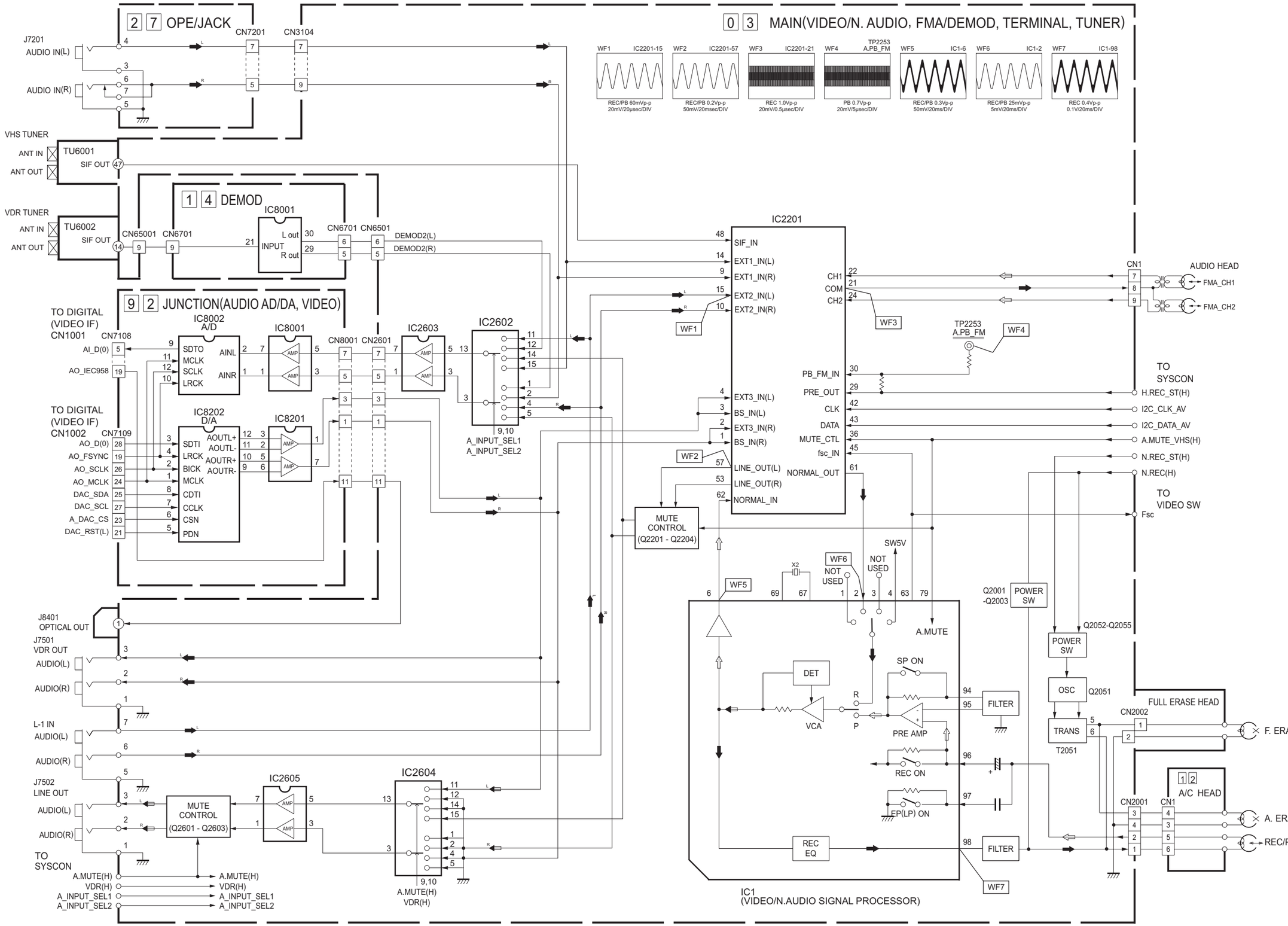
PIN NO.	LABEL	IN/OUT	FUNCTION
1	CTL[+]	IN/OUT	CTL(+) SIGNAL
2	SVss	-	GND
3	CTL[-]	IN/OUT	CTL(-) SIGNAL
4	CTLBIAS	-	CTL BIAS VOLTAGE
5	CTLFB	IN	CTL PULSE FEEDBACK
6	CTLAMPOUT	OUT	CTL PULSE OUTPUT
7	CTLSMTIN	IN	CTL PULSE OUTPUT
8	CFG	IN	CAPSTAN FG PULSE INPUT
9	SVcc	-	SYSTEM POWER
10	Avcc	-	SYSTEM POWER
11	NORM/MESEC/S_DET	IN	SQPB:H/MESECAM:M/NORMAL:L
12	WIDE_DET2/AFC2	IN	NOT USED/TUNING CHECK
13	LSA	IN	MECHANISM MODE DETECT (A)
14	START_SENSOR	IN	START SENSOR
15	END_SENSOR	IN	END SENSOR
16	LSB	IN	MECHANISM MODE DETECT (B)
17	LSC	IN	MECHANISM MODE DETECT (C)
18	LED/RF_AGC	IN	DETECT THE MTS MODE
19	WIDE_DET	IN	S1/S2 DETECT
20	BS_ANT/AFC	IN	TUNING CHECK
21	VIDEO_ENV	IN	AUTO TRACKING DTECT/INPUT THE AVERAGE OF PLAYBACK VIDEO SIGNAL
22	A.ENV/ND[L]	IN	AUDIO PB FM ENV.INPUT/NON HiFi MODE:L
23	Avss	-	GND
24	CTL_GAIN/TEST	OUT	CONTROL AMP OUT FREQUENCY RESPONSE SWITCHIN
25	A.MUTE_VDR[H]	OUT	AUDIO MUTE CONTROL FOR VDR(MUTE:H)
26	P.MUTE_VDR[H]	OUT	PICTURE MUTE CONTROL FOR VDR(MUTE:H)
27	C.BIAS2/CONV_CTL	OUT	ADD THE DC BIAS TO COLOR OUTPUT/RF CONVERTER CONTROL
28	CAP.M_F/R	OUT	CAPSTAN MOTOR REVERSE CONTROL (FWD:L/REV:H)
29	RC_IN	IN	REMOTE CONTROL DATA INPUT
30	INPUT_SEL1	OUT	VIDEO SIGNAL INPUT SELECT
31	GR_ON[L]	-	NOT USED
32	BS_REC_LINK/COMPU_IN	-	NOT USED
33	INPUT_SEL5/COMPU_OUT	-	NOT USED
34	INPUT_SEL2	OUT	VIDEO SIGNAL INPUT SELECT
35	LM_F/R/S[LMC1]	OUT	LOADING MOTOR DRIVE
36	LSD[LMC2]	IN	MECHANISM MODE DETECT (D)
37	BS_P.CTL[H]/EDS_CS[L]	OUT	EDS CHIP SELECT
38	SB_GAIN[PWM]	OUT	VOLTAGE CONTROL SIGNAL FOR VIDEO FREQUENCY RESPONSE
39	STB	OUT	CLOCK OUTPUT PERMISSION
40	POWER_DET	IN	DETECTION SIGNAL FOR POWER DOWN OF AC POWER SUPPLY
41	REC_SAFETY	IN	REC SAFETY SWITCH DETECT (SW ON:L)
42	PROTECT	IN	DETECTION VOLTAGE FOR SW POWER SUPPLY
43	Vss	-	GND
44	C_BIAS1/RMO	OUT	ADD THE DC BIAS TO COLOR OUTPUT
45	Vcc	-	SYSTEM POWER
46	KBUS_DATA_IN	IN	SERIAL DATA TRANSFER INPUT FROM DVD CPU
47	KBUS_DATA_OUT	OUT	SERIAL DATA TRANSFER OUTPUT TO DVD CPU
48	KBUS_CLK	OUT	SERIAL DATA TRANSFERMER CLOCK FOR DVD CPU
49	12C_DATA_AV	OUT	SERIAL DATA TRANSFER OUTPUT FOR AV IC
50	12C_CLK_AV	IN/OUT	SERIAL DATA TRANSFER CLOCK FOR AV IC
51	S.DATA_TO_SYS	IN	SERIAL DATA TRANSFER OUTPUT FROM THE ON-SCREEN TO THE FDP DRIVER
52	S.DATA_FR_SYS	OUT	SERIAL DATA TRANSFER OUTPUT FROM THE FDP DRIVER TO THE ON-SCREEN
53	S.CLK	OUT	SERIAL DATA TRANSFERMER CLOCKFOR ONSCREEN IC
54	SP_FG	IN	DETECTION SIGNAL FOR SUPPLY REEL ROTATION/TAPE REMAIN
55	TU_FG	IN	DETECTION SIGNAL TAKE-UP REEL ROTATION/TAPE REMAIN
56	KBUS_REQ(IN)	OUT	SERIAL DATA TRANSFER REQUEST TO DVD CPU

PIN NO.	LABEL	IN/OUT	FUNCTION
57	BS_12C_CLK	-	NOT USED
58	N.REC_ST[H]	OUT	NORMAL AUDIO SOUND RECORDING START
59	JUST_CLOCK/EDS[H]	IN	VIDEO SIGNAL FIELD DETECT
60	TU_12C_DATA	OUT	DATA OUTPUT TO TUNER
61	TU_12C_CLK	OUT	CLOCK OUTPUT TO TUNER
62	FWE	-	FLASH WRITE ENABLE
63	NMI	-	NOT USED
64	X2	-	TIMER CLOCK(32kHz)
65	X1	-	TIMER CLOCK(32kHz)
66	RES	-	RESET TERMINAL(RESET ON:L)
67	OSC1[IN]	IN	MAIN SYSTEM CLOCK(10MHz)
68	Vss	-	GND
69	OSC2[OUT]	IN	MAIN SYSTEM CLOCK(10MHz)
70	Vcc	-	SYSTEM POWER
71	MODE	-	NOT USED
72	SYNC_DET[H]	IN	DETECTION OF VIDEO SYNC SIGNAL (DETECTED : H)
73	S.CASS[H]	IN	DETECTION SIGNAL FOR SVHS CASSETTE(SVHS:H)
74	A.MUTE_VHS[H]	OUT	AUDIO MUTE CONTROL FOR VHS(MUTE:H)
75	12C_CLK2	OUT	SERIAL DATA TRANSFER CLOCK FOR MEMORY IC
76	12C_DATA2	IN/OUT	SERIAL DATA TRANSFER OUTPUT FOR MEMORY IC
77	BS_12C_DATA	-	NOT USED
78	SYNC_DET_VDR[L]	IN	DETECTION OF VIDEO SYNC SIGNAL FOR VDR (DETECTED : L)
79	EXP_CLK	OUT	EXPANDER IC DATA TRANFER CLOCK
80	I.MUTE[L]	OUT	INTERFACE VIDEO SIGNAL MUTING CONTROL OUTPUT
81	TRICK[H]	OUT	SLOW/STILL/SEARCH MODE : H
82	Vcc	-	SYSTEM POWER
83	A.MUTE[H]	OUT	AUDIO MUTE CONTROL (MUTE:H)
84	Vss	-	GND
85	SP_SHORT[H]	OUT	MODE SELECT
86	SLOW_PULSE	-	NOT USED
87	VP_CTL	-	NOT USED
88	H.REC_ST[H]	OUT	HiFi AUDIO SOUND RECORDING START
89	LINE2INFO	-	NOT USED
90	ANT_CTL/CH_SW	OUT	NOT USED/RF CONVERTER CHANNEL SELECT
91	OSD_CS	OUT	ONSCREEN IC CHIP SELECT
92	E5_RESET	OUT	RESET OUTPUT TO IC1401
93	HI_S.FFREW	OUT	HIGH SPEED FF/REW CONTROL
94	ADC_RST[L]	OUT	STEREO A/D CONVERTER RESET PULSE
95	EXP1_DATA	OUT	SERIAL DATA TO EXPAND IC
96	P.SAVE[L]	OUT	POWER SAVE MODE:H
97	P.CTL[H]	OUT	POWER ON/OFF CONTRPL (POWER ON:H)
98	C.SYNC	IN	COMPOSITE SYNC INPUT
99	A.FF	OUT	AUDIO FF OUTPUT
100	V.FF	OUT	ROTATION DETECTION SIGNAL FOR DRUM MOTOR /TIMING CONTROL SIGNAL FOR REC
101	CAPPWM	OUT	CAPSTAN MOTOR CONTROL
102	DRUMPWM	OUT	DRUM MOTOR CONTROL
103	BIT_IN[H]	-	NOT USED
104	P.MUTE_VDR[L]	OUT	PICTURE MUTE CONTROL FOR DVD (MUTE ON:L)
105	ET_REC[H]	OUT	S-VHS ET REC MODE:H
106	P.MUTE_VHS[L]	OUT	PICTURE MUTE CONTROL FOR VHS (MUTE ON:L)
107	DFG	IN	DRUM FG PULSE INPUT
108	DFG	IN	DRUM FG PULSE INPUT
109	Vcc	-	SYSTEM POWER
110	V.PULSE	OUT	V.PULSE ADDITION TIMING CONTROL
111	Vss	-	GND
112	CTLREF	-	CTL REFERENCE VOLTAGE

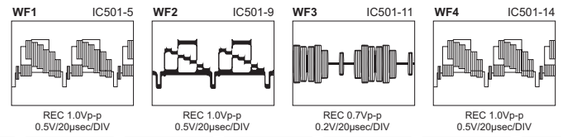
■ SYSTEM CONTROL BLOCK DIAGRAM

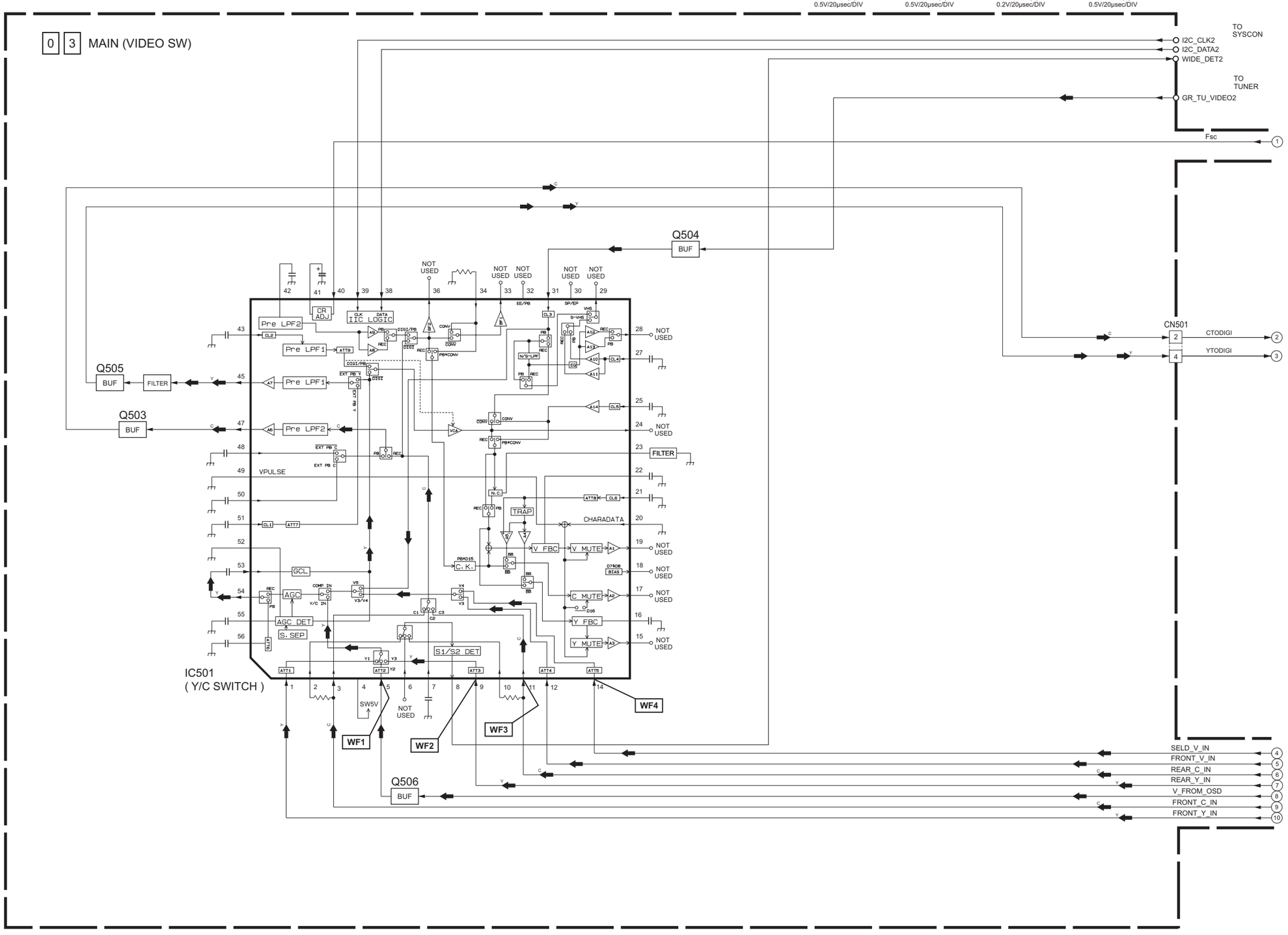


■ AUDIO BLOCK DIAGRAM

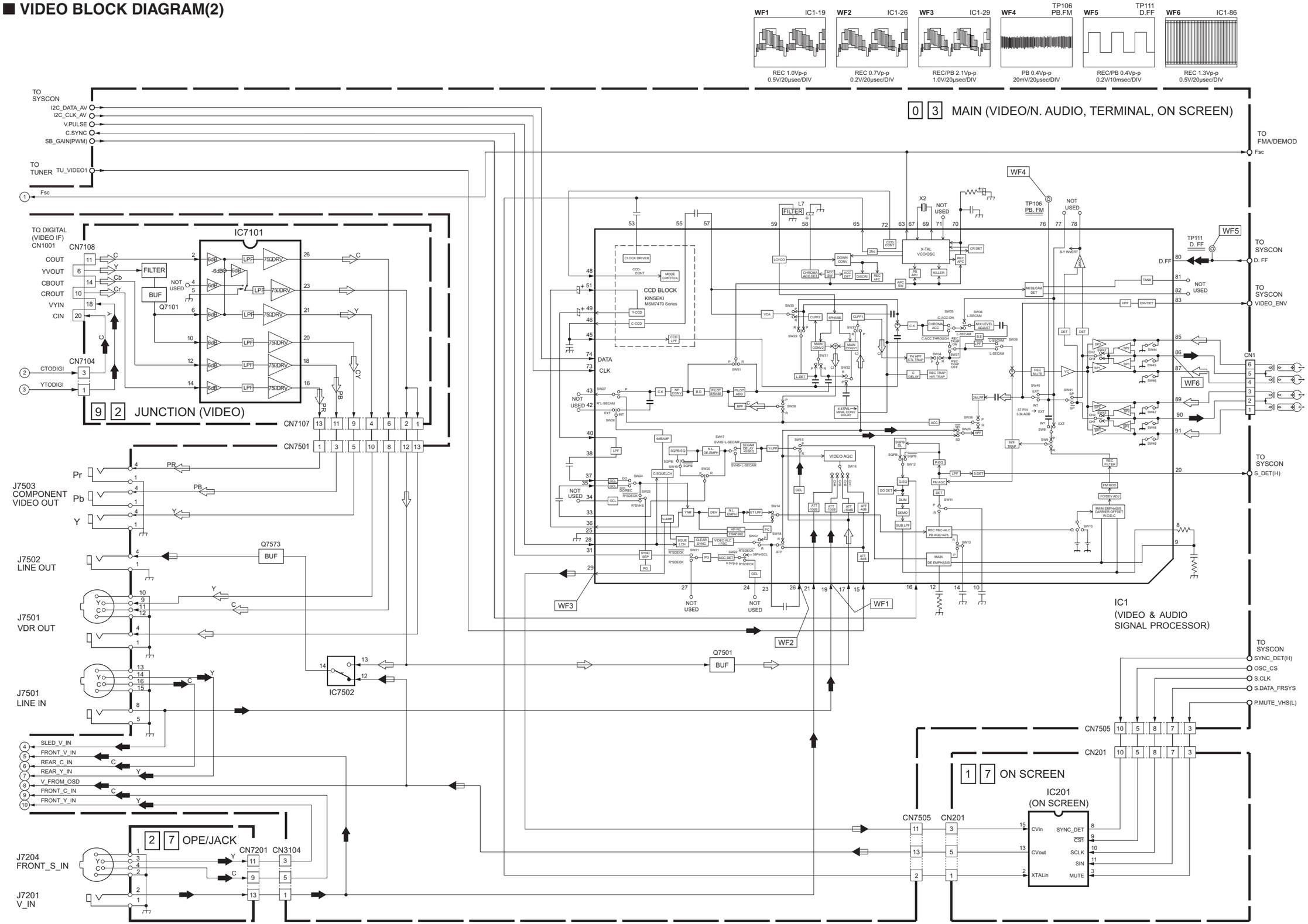


■ VIDEO BLOCK DIAGRAM(1)





■ VIDEO BLOCK DIAGRAM(2)



■ DIGITAL BLOCK DIAGRAM