LG Electronics Inc.

P/NO : 3829RHN005L

SERVICE MANUAL

MODEL : DR1F9H

LG Electronics Inc.

LG

DVD RECORDER
SERVICE MANUAL

MODEL : DR1F9H

CAUTION

BEFORE SERVICING THE UNIT, READ THE “SAFETY PRECAUTIONS” IN THIS MANUAL.

FEBRUARY,2006

CONTENTS

SECTION 1

SUMMARY

CONTENTS

PRODUCT SAFETY SERVICING GUIDELINES FOR VIDEO PRODUCTS

IMPORTANT SAFETY NOTICE

This manual was prepared for use only by properly trained audio-video service technicians.

When servicing this product, under no circumstances should the original design be modified or altered without permission from LG Electronics Corporation. All components should be replaced only with types identical to those in the original circuit and their physical location, wiring and lead dress must conform to original layout upon completion of repairs.

Special components are also used to prevent x-radiation, shock and fire hazard. These components are indicated by the letter “x” included in their component designators and are required to maintain safe performance. No deviations are allowed without prior approval by LG Electronics Corporation.

Circuit diagrams may occasionally differ from the actual circuit used. This way, implementation of the latest safety and performance improvement changes into the set is not delayed until the new service literature is printed.

CAUTION: Do not attempt to modify this product in any way. Never perform customized installations without manufacturer’s approval. Unauthorized modifications will not only void the warranty, but may lead to property damage or user injury.

Service work should be performed only after you are thoroughly familiar with these safety checks and servicing guidelines.

GRAPHIC SYMBOLS

The exclamation point within an equilateral triangle is intended to alert the service personnel to important safety information in the service literature.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the service personnel to the presence of noninsulated “dangerous voltage” that may be of sufficient magnitude to constitute a risk of electric shock.

The pictorial representation of a fuse and its rating within an equilateral triangle is intended to convey to the service personnel the following fuse replacement caution notice:

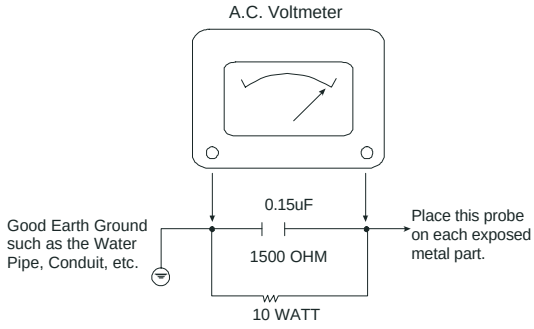
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ALL FUSES WITH THE SAME TYPE AND RATING AS MARKED NEAR EACH FUSE.

SERVICE INFORMATION

While servicing, use an isolation transformer for protection from AC line shock. After the original service problem has been corrected, make a check of the following:

FIRE AND SHOCK HAZARD

1. Be sure that all components are positioned to avoid a possibility of adjacent component shorts. This is especially important on items trans-ported to and from the repair shop.
2. Verify that all protective devices such as insulators, barriers, covers, shields, strain reliefs, power supply cords, and other hardware have been reinstalled per the original design. Be sure that the safety purpose of the polarized line plug has not been defeated.
3. Soldering must be inspected to discover possible cold solder joints, solder splashes, or sharp solder points. Be certain to remove all loose foreign particles.
4. Check for physical evidence of damage or deterioration to parts and components, for frayed leads or damaged insulation (including the AC cord), and replace if necessary.
5. No lead or component should touch a high current device or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces must be avoided.
6. After reassembly of the set, always perform an AC leakage test on all exposed metallic parts of the cabinet (the channel selector knobs, antenna terminals, handle and screws) to be sure that set is safe to operate without danger of electrical shock. DO NOT USE A LINE ISOLATION TRANSFORMER DURING THIS TEST. Use an AC voltmeter having 5000 ohms per volt or more sensitivity in the following manner: Connect a 1500 ohm, 10 watt resistor, paralleled by a .15 mfd 150V AC type capacitor between a known good earth ground water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and .15 mfd capacitor. Reverse the AC plug by using a non-polarized adaptor and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.75 volts RMS. This corresponds to 0.5 milliamp AC. Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



TIPS ON PROPER INSTALLATION

1. Never install any receiver in a closed-in recess, cubbyhole, or closely fitting shelf space over, or close to, a heat duct, or in the path of heated air flow.
2. Avoid conditions of high humidity such as: outdoor patio installations where dew is a factor, near steam radiators where steam leakage is a factor, etc.
3. Avoid placement where draperies may obstruct venting. The customer should also avoid the use of decorative scarves or other coverings that might obstruct ventilation.
4. Wall- and shelf-mounted installations using a commercial mounting kit must follow the factory-approved mounting instructions. A product mounted to a shelf or platform must retain its original feet (or the equivalent thickness in spacers) to provide adequate air flow across the bottom. Bolts or screws used for fasteners must not touch any parts or wiring. Perform leakage tests on customized installations.
5. Caution customers against mounting a product on a sloping shelf or in a tilted position, unless the receiver is properly secured.
6. A product on a roll-about cart should be stable in its mounting to the cart. Caution the customer on the hazards of trying to roll a cart with small casters across thresholds or deep pile carpets.
7. Caution customers against using extension cords. Explain that a forest of extensions, sprouting from a single outlet, can lead to disastrous consequences to home and family.

SERVICING PRECAUTIONS

CAUTION : Before servicing the DVD Recorder covered by this service data and its supplements and addends, read and follow the *SAFETY PRECAUTIONS. NOTE* : if unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions in this publications, always follow the safety precautions.
Remembers Safety First:

General Servicing Precautions

1. Always unplug the DVD Recorder AC power cord from the AC power source before:
   (1) Removing or reinstalling any component, circuit board, module, or any other assembly.
   (2) Disconnection or reconnecting any internal electrical plug or other electrical connection.
   (3) Connecting a test substitute in parallel with an electrolytic capacitor.
   Caution : A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Do not spray chemicals on or near this DVD Recorder or any of its assemblies.

3. Unless specified otherwise in this service data, clean electrical contacts by applying an appropriate contact cleaning solution to the contacts with a pipe cleaner, cotton-tipped swab, or comparable soft applicator.
   Unless specified otherwise in this service data, lubrication of contacts is not required.

4. Do not defeat any plug/socket B+ voltage interlocks with whitch instruments covered by this service manual might be equipped.

5. Do not apply AC power to this DVD Recorder and/or any of its electrical assemblies unless all solid-state device heat sinks are cerrectly installed.

6. Always connect test instrument ground lead to the appropriate ground before connection the test instrument positive lead. Always remove the test instrument ground lead last.

Insulation Checking Procedure

Disconnect the attachment plug from the AC outlet and turn the power on. Connect an insulation resistance meter(500V) to the blades of the attachment plug. The insulation resistance between each blade of the attachment plug and accessible conductive parts (Note 1) should be more than 1M-ohm.

Note 1 : Accessible Conductive Parts including Metal panels, Input terminals, Earphone jacks, etc.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor chip components.
The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grouned-tip soldering iron to solder or unsolder ES devices.

4. Use only an anti-static solder removal device. Some solder removal devices not classified a “anti-static” can generate electrical charges sufficient to damage ES devices.

5. Do not use freon-propelled chemicals. These can generate electrical charge sufficient to damage ES devices.

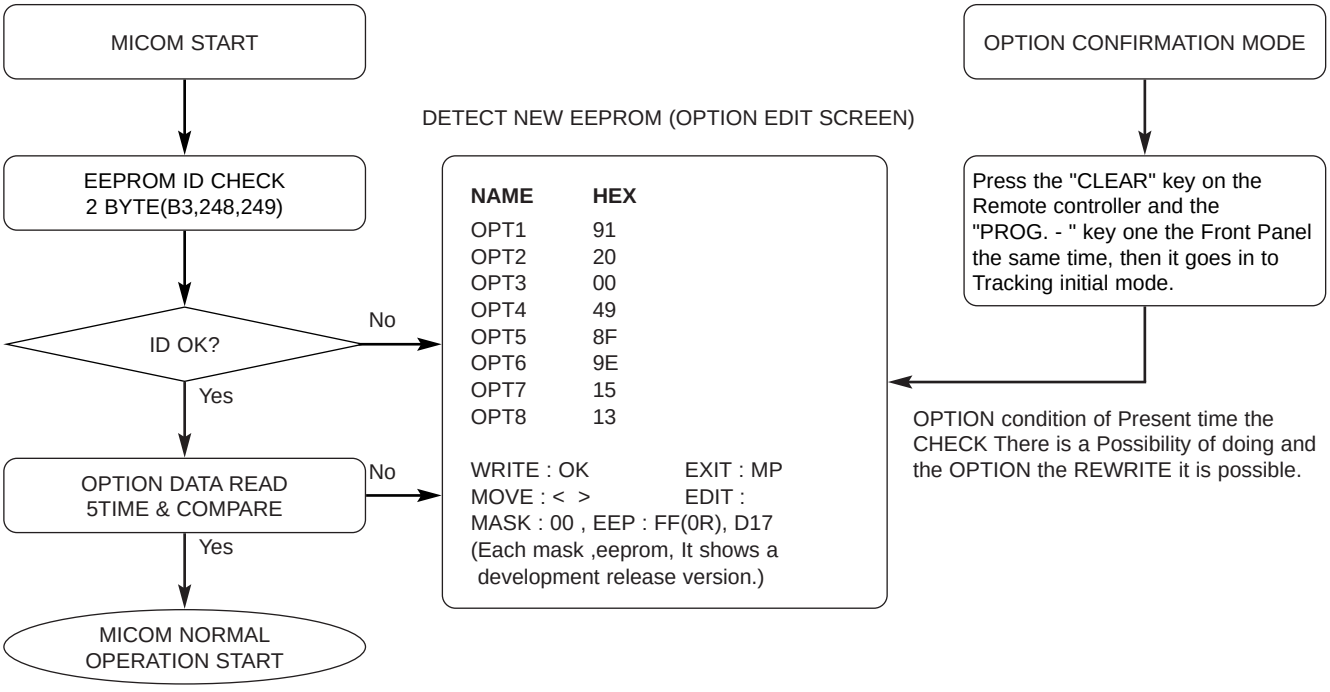
6. Do not remove a replacement ES device from its protec tive package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil, or comparable conductive material).

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

   Caution : Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Normally harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

SERVICE INFORMATION FOR EEPROM IC SETTING



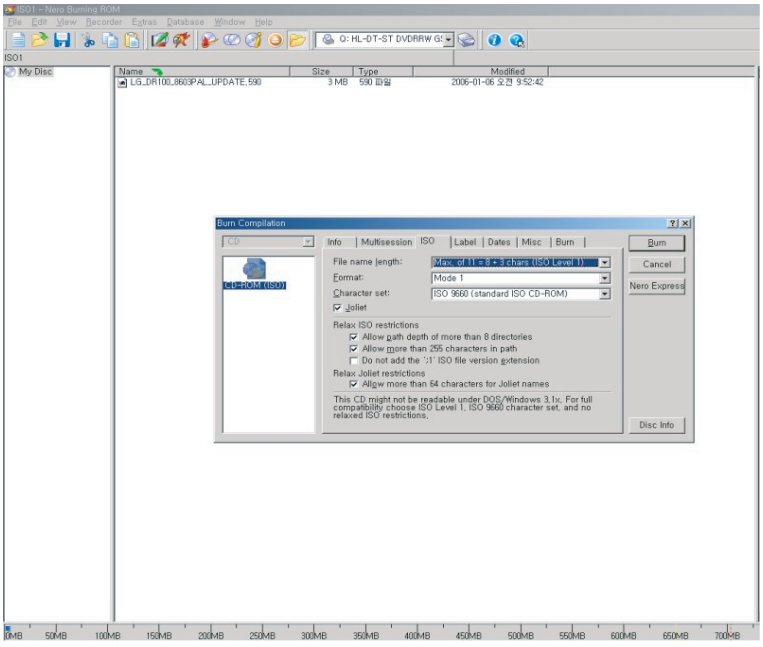
***** EEPROM INITIAL *****

- SETUP is displayed in the field if pressing the Front PROG. - & + Key with the Remote Control number "clear" key pressed in the status of powering on.
- AUTO SEARCH is done since the initial screen of ACMS is serviced if powering on.

FLASH UPGRADE

1. MAKING UPGRADE DISC

1) Physical format must be ISO9660 or JOLIET file system.
2) CD Volume label is unimportant.
3) Write DR100 BE Upgrade File on Root.



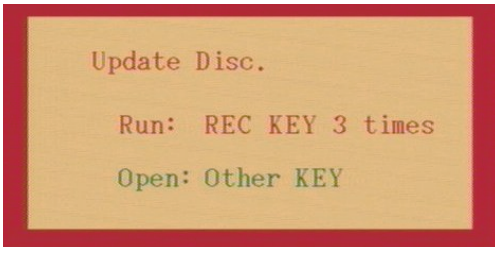
< example- Nero Burning Rom >

*** OPTIONAL PARTS**

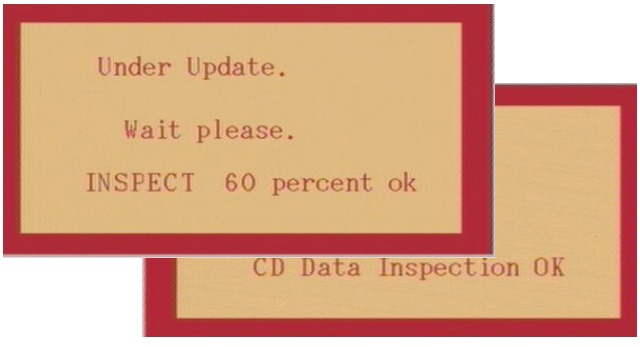
- DR100 8601 64M NTSC) : LG_DR100_8601NT64_UPDATE.590
- DR100 860164M (PAL) : LG_DR100_8601PAL64_UPDATE.590
- DR100 860132M (NTSC) : LG_DR100_8601NT_UPDATE.590
- DR100 860132M (PAL) : LG_DR100_8601PAL_UPDATE.590
- DR100 8603 64M (NTSC) : LG_DR100_8603NT_UPDATE.590
- DR100 8603 64M (PAL) : LG_DR100_8603PAL_UPDATE.590

2. UPGRADE FLASH

1) Put Flash Upgrade Disc in the DVD Player.
2) After Disc Reading, you can see below screen.

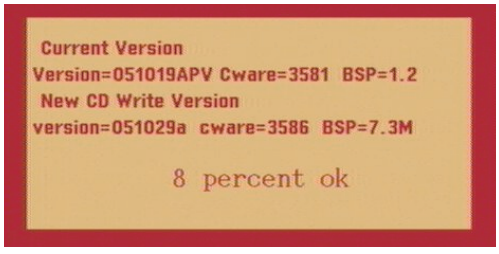


3) Press REC KEY 3 times. It will start Inspection.

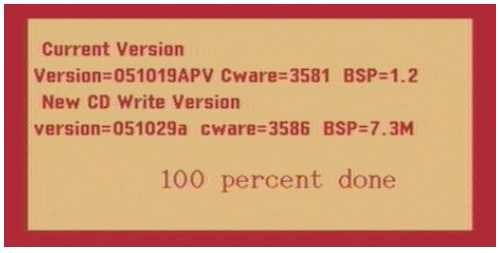


4) You can see both current and upgrade version.
Press REC KEY.

5) Upgrading.



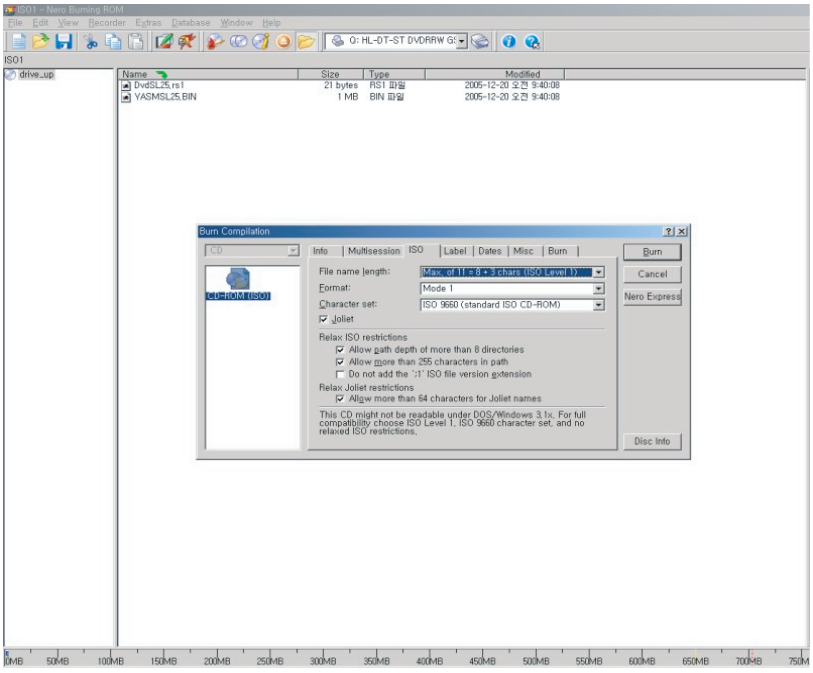
6) After Upgrading, you can see the below screen. And automatically open tray.
Remove the Disc. Reboot the set.



LOADER UPGRADE

1.MAKING UPGRADE DISC

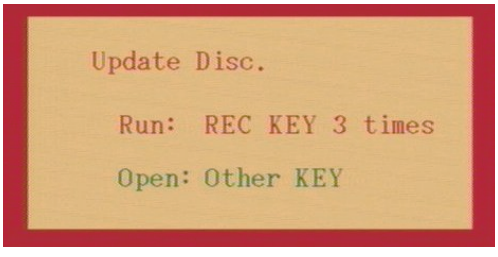
1) Physical format must be ISO9660 or JOLIET file system
2) Name the Volume label as “DRIVE_UP”.
3) Write DvdSLxx.rs1, YASMSLxx.BIN on Root like below.(xx is Version)



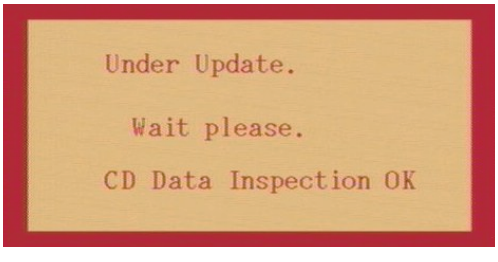
< example- Nero Burning Rom >

2. LOADER UPGRADE

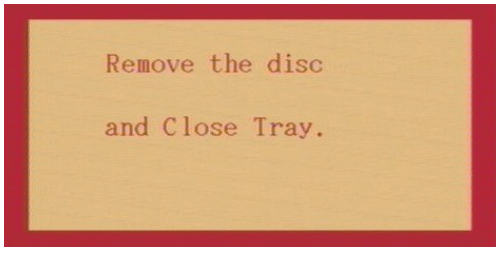
1) Put Loader Upgrade Disc in the DVD Player.
2) After Disc Reading, you can see the below screen.



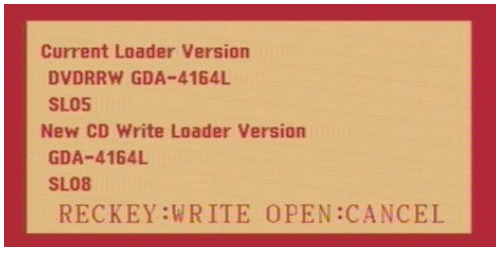
3) Press REC KEY 3 times.



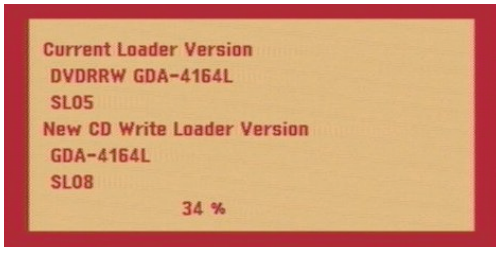
4) After Tray open, remove the disc and close the tray.



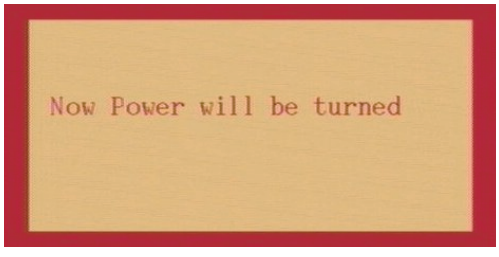
5) It shows both the current version and upgrade version.
Press REC KEY.



6) Upgrading.



7) After finishing Upgrade, it shows the below screen and powers off



SPECIFICATIONS

• GENERAL

Power requirements	AC 120V, 60 Hz
Power consumption	22W
Dimensions (approx.)	430 X 54 X 275 mm (w x h x d) without feet
Mass (approx.)	4.1 kg
Operating temperature	5°C to 35°C
Operating humidity	5 % to 90 %
Television system	
Recording format	

• RECORDING

Recording format	DVD Video Recording, DVD-VIDEO
Recordable media	DVD-ReWritable, DVD-Recordable, DVD+ReWritable, DVD+Recordable, DVD+Recordable (Double Layer), DVD-RAM
Recordable time	DVD (4.7GB): Approx. 1 hour (XP mode), 2 hours (SP mode), 4 hours (LP mode), 6 hours (EP mode) DVD+R DL (8.5GB): Approx. 3 hour (XP mode), 3 hours 40 minutes (SP mode), 7 hours 10 minutes (LP mode), 10 hours 30 minutes (EP mode)
Video recording format	
Sampling frequency	27MHz
Compression format	MPEG 2 (VBR support)
Audio recording format	
Sampling frequency	48kHz
Compression format	Dolby Digital

• PLAYBACK

Frequency response	DVD (PCM 48 kHz): 8 Hz to 22 kHz, CD: 8 Hz to 20 kHz DVD (PCM 96 kHz): 8 Hz to 44 kHz
Signal-to-noise ratio	More than 100 dB (AUDIO OUT connector)
Harmonic distortion	Less than 0.008% (AUDIO OUT connector)
Dynamic range	More than 95 dB (AUDIO OUT connector)

• INPUTS

ANTENNA IN	Antenna/Cable input, 75 ohms
VIDEO IN	1.0 Vp-p 75 ohms, sync negative, RCA jack x 2 / SCART x 2
AUDIO IN	2.0 Vrms more than 47 kohms, RCA jack (L, R) x 2 / SCART x 2
S-VIDEO IN	(Y) 1.0 V (p-p), 75 Ω, sync negative, Mini DIN 4-pin x 1 (C) 0.3 V (p-p) 75 Ω
DV IN	4 pin (IEEE 1394 standard)

• OUTPUTS

VIDEO OUT	1 Vp-p 75 Ω, sync negative, RCA jack x 1 / SCART x 2
S-VIDEO OUT	(Y) 1.0 V (p-p), 75 Ω, sync negative, Mini DIN 4-pin x 1 (C) 0.3 V (p-p) 75 Ω
COMPONENT VIDEO OUT	(Y) 1.0 V (p-p), 75 Ω, sync negative, RCA jack x 1 (Pb)/(Pr) 0.7 V (p-p), 75 Ω, RCA jack x 2
HDMI video/audio output (DR197H only)	19 pin (HDMI standard, Type A)
Audio output (digital audio)	0.5 V (p-p), 75 Ω, RCA jack x 1
Audio output (optical audio)	3 V (p-p), Optical connector x 1
Audio output (analog audio)	2.0 Vrms (1 KHz, 0 dB), 600 Ω, RCA jack (L, R) x 1 / SCART x 2

SECTION 2

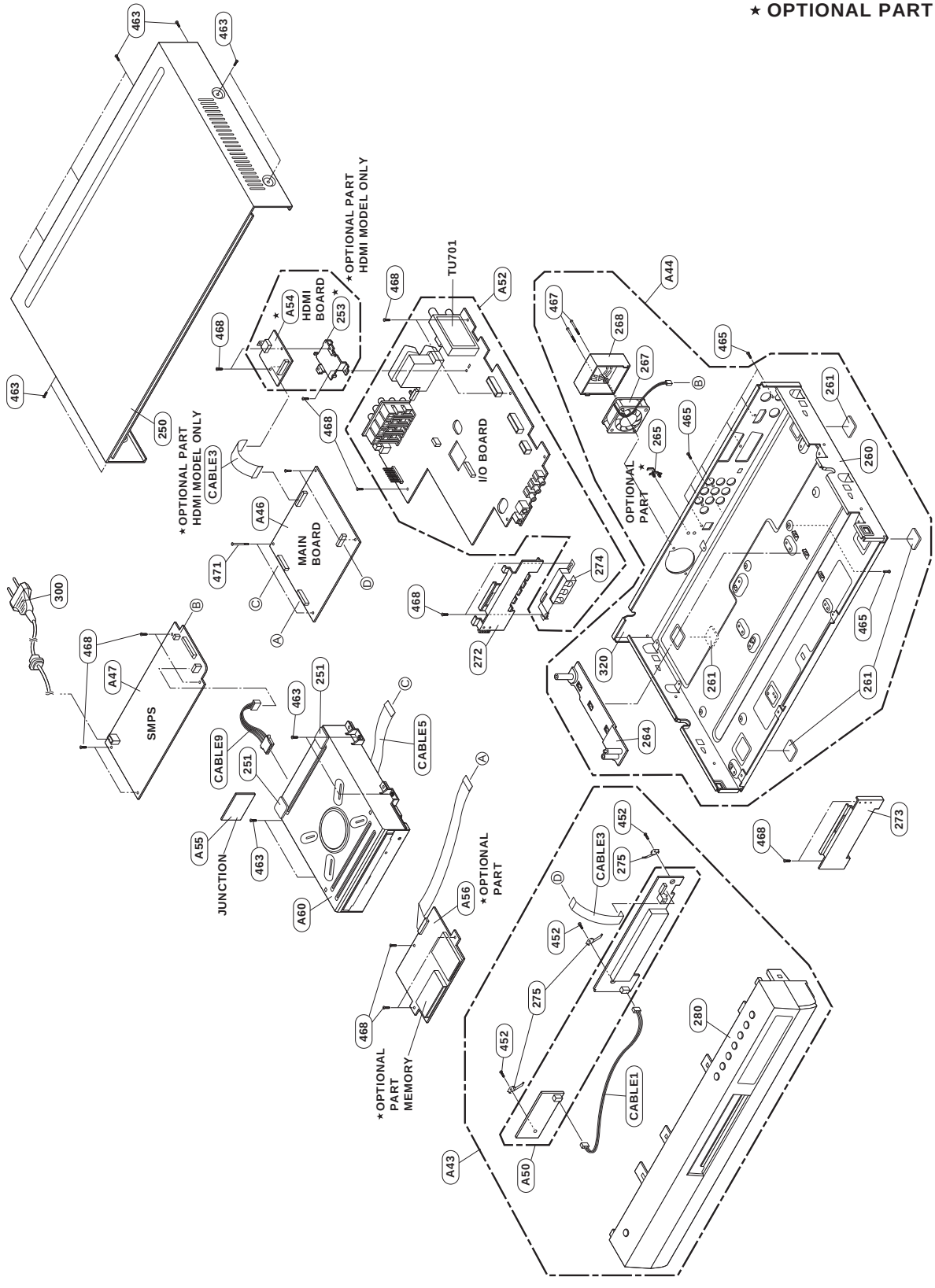
CABINET & MAIN CHASSIS

CONTENTS

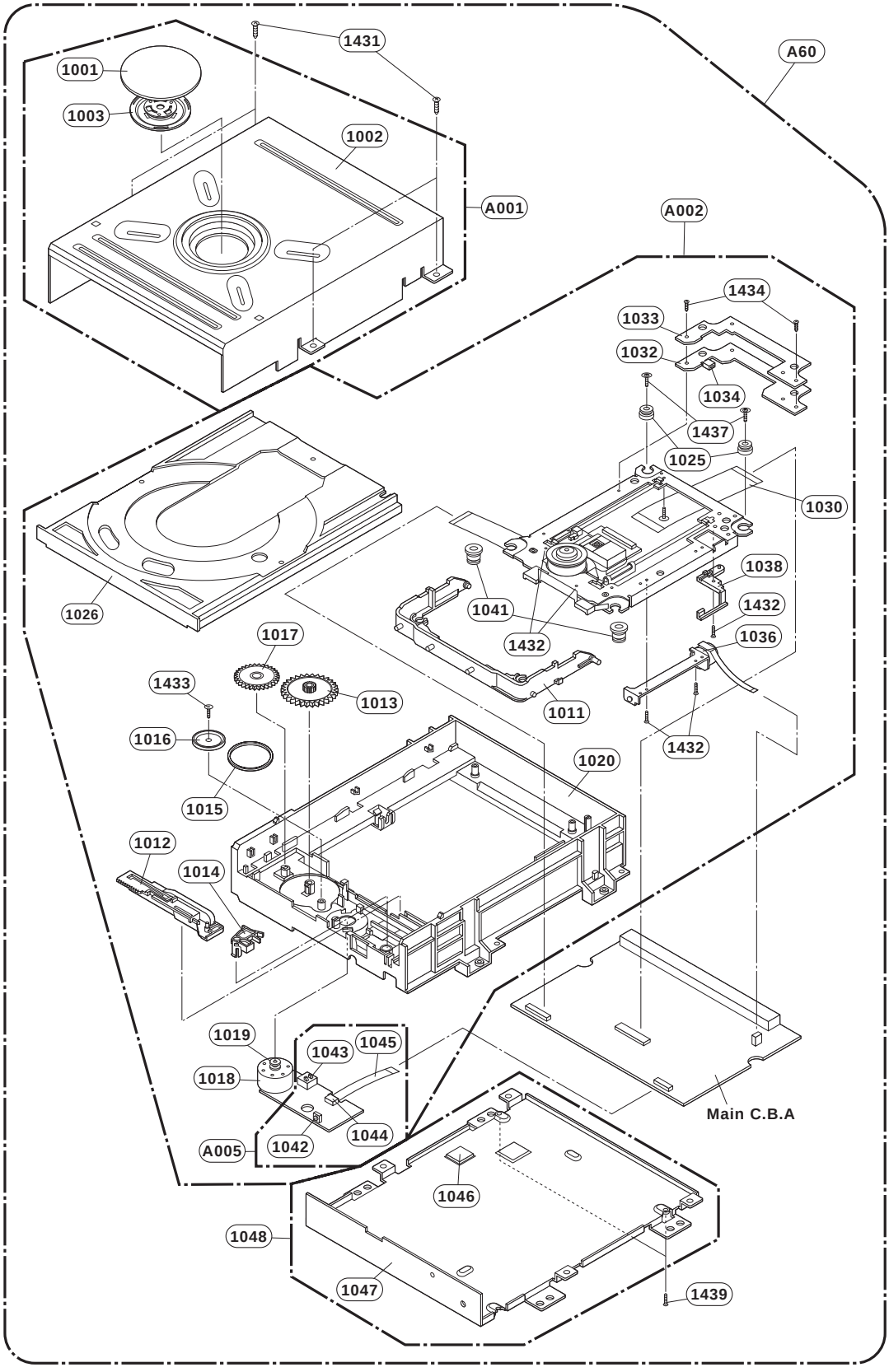
EXPLODED VIEWS

1. Cabinet and Main Frame Section

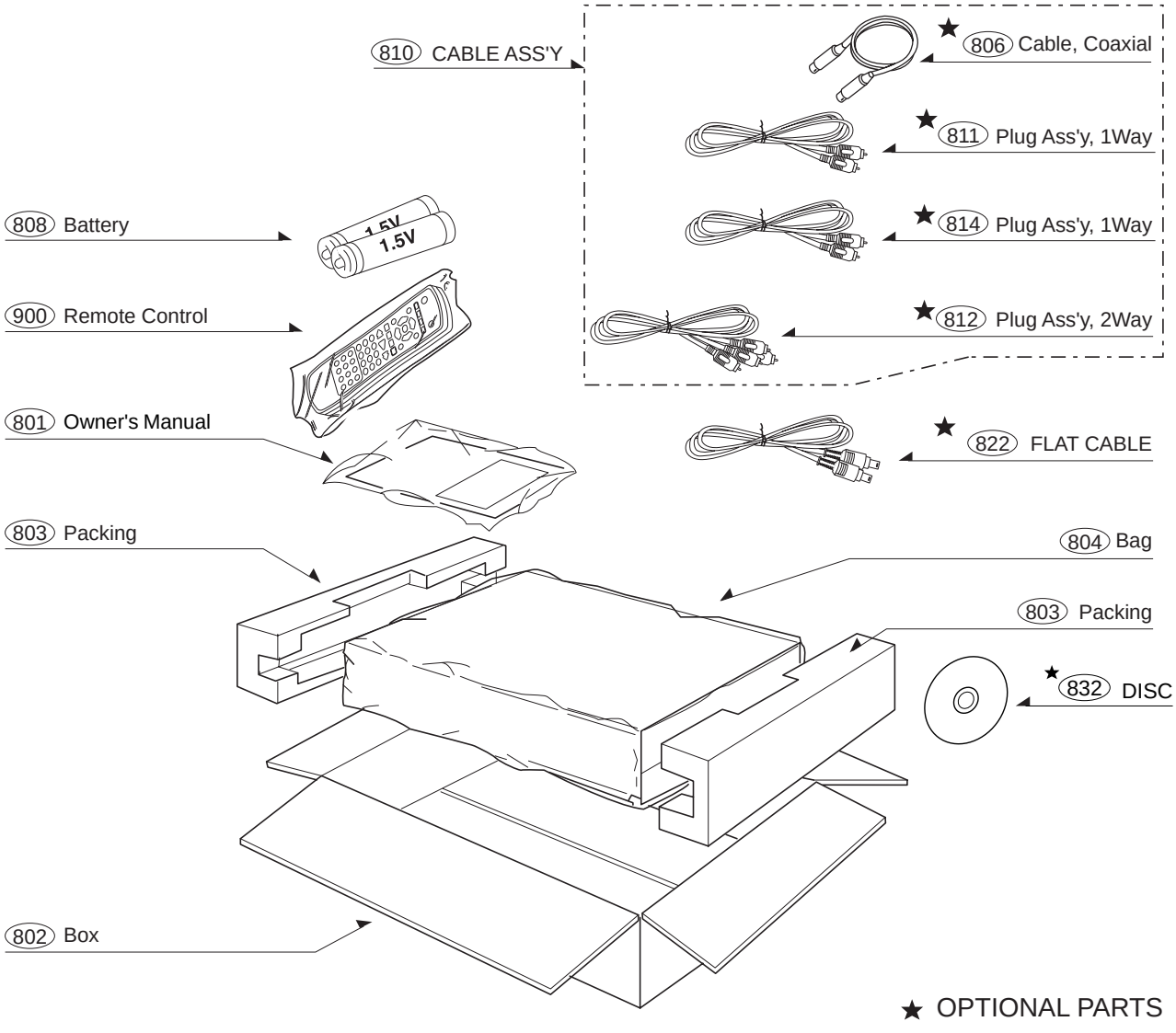
★ OPTIONAL PART



2. DECK MECHANISM SECTION(RS-01A)



3. Packing Accessory Section



SECTION 3
ELECTRICAL

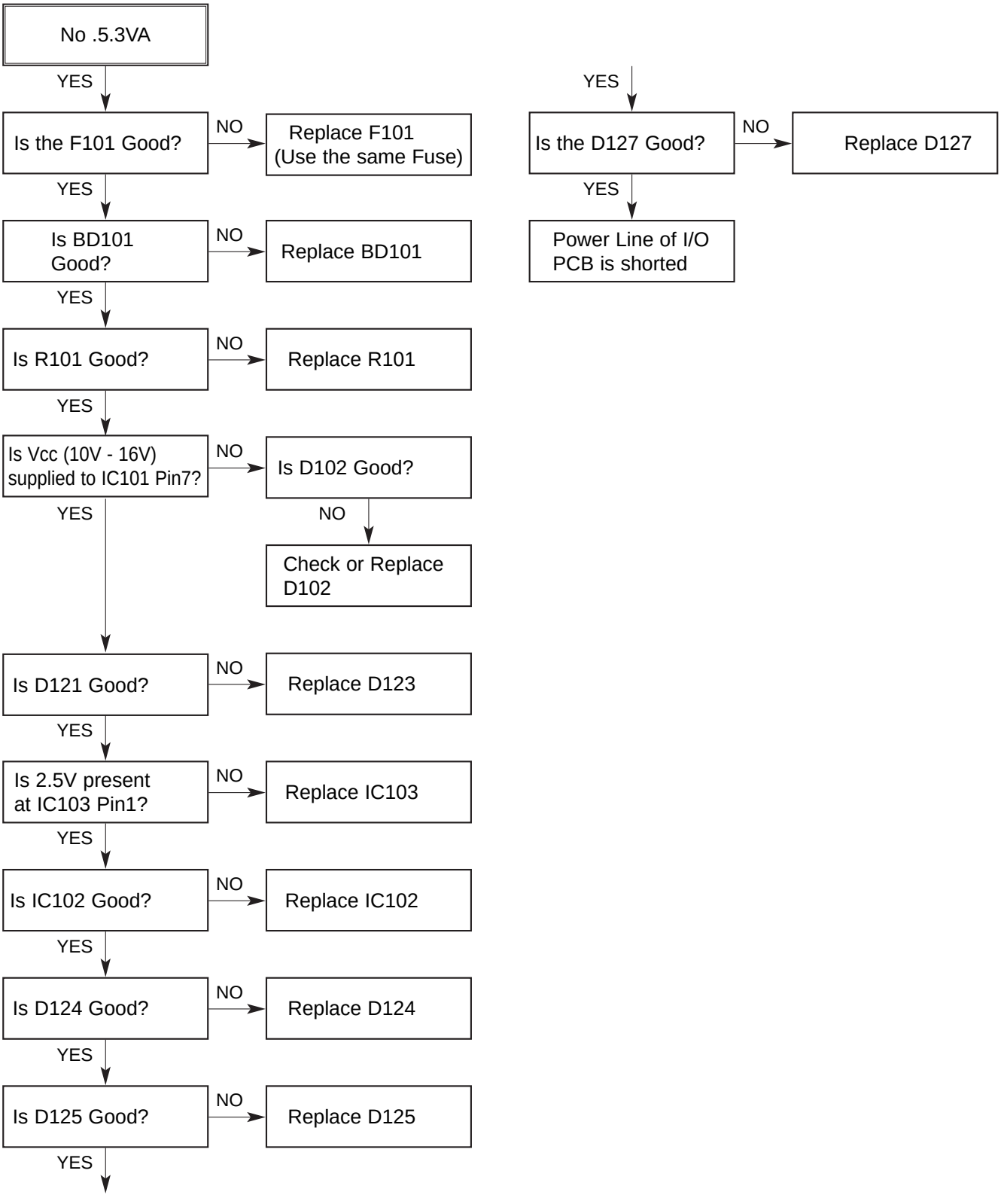
CONTENTS

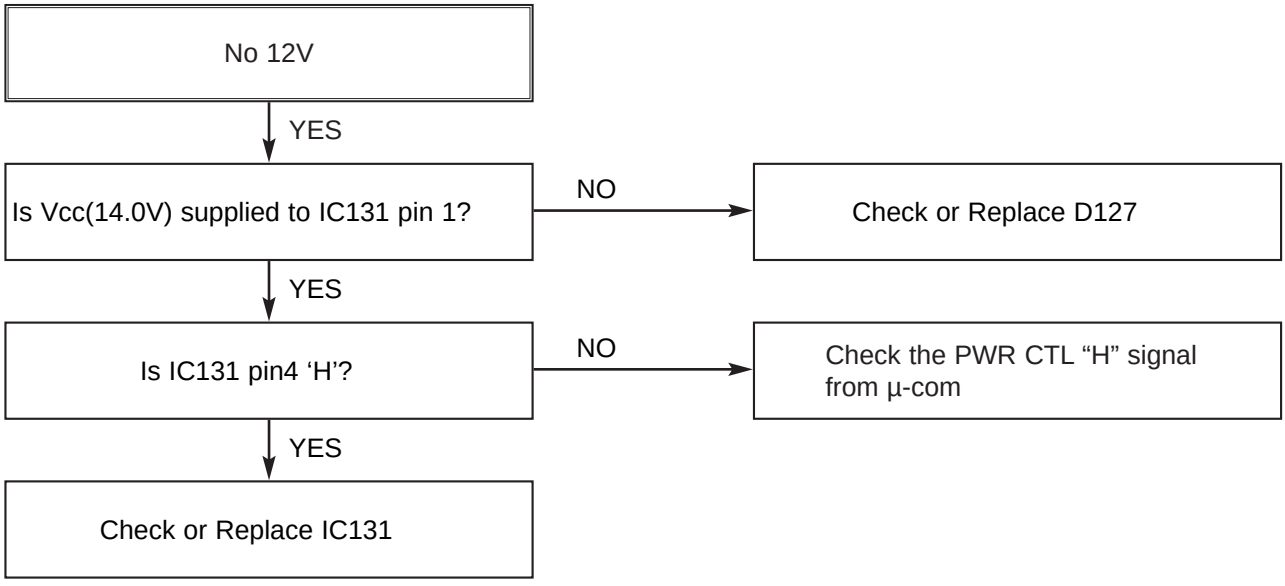
VDR PART

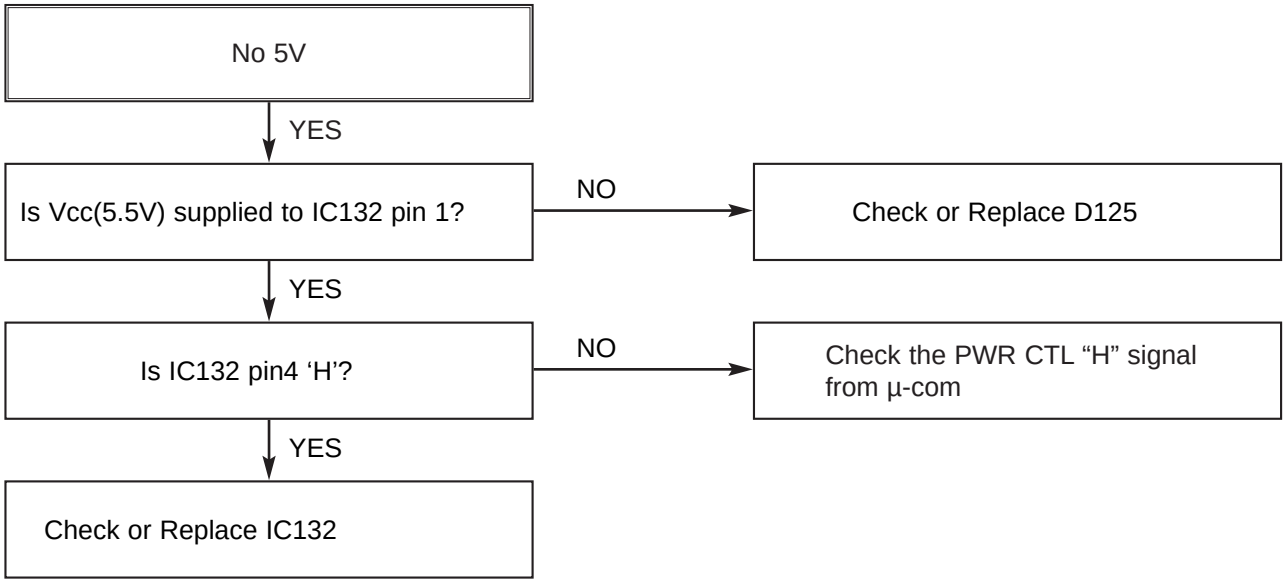
VDR PART

ELECTRICAL TROUBLESHOOTING GUIDE

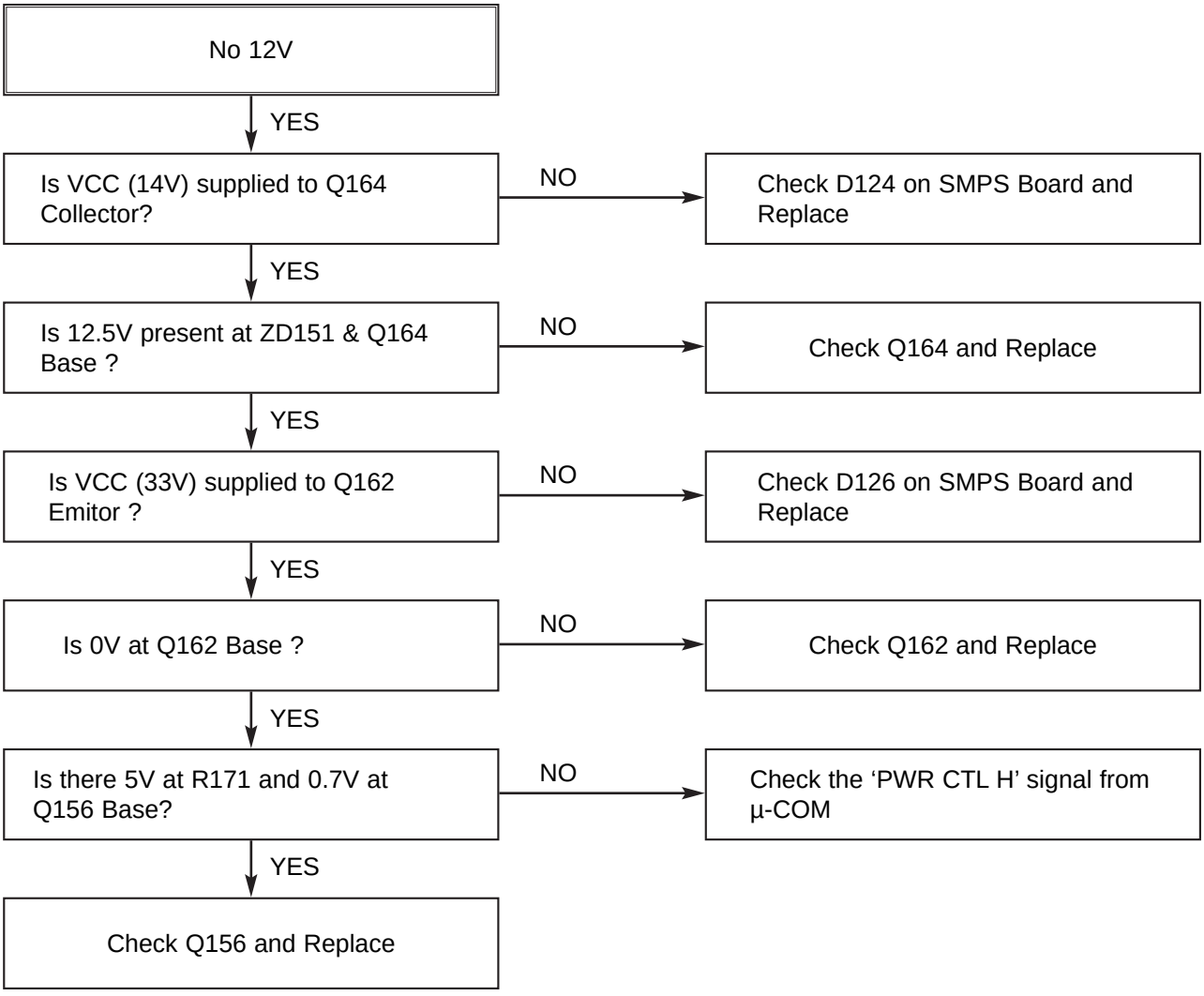
1. POWER SUPPLY ON SMPS BOARD

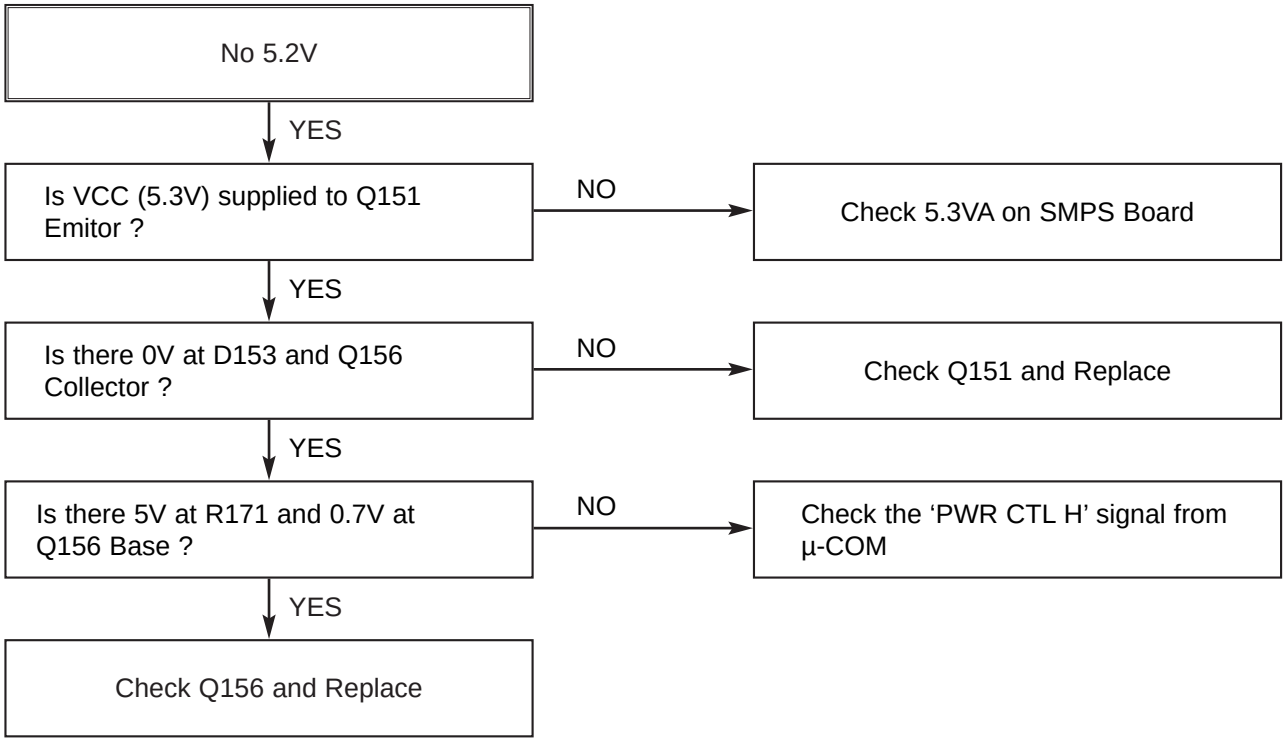


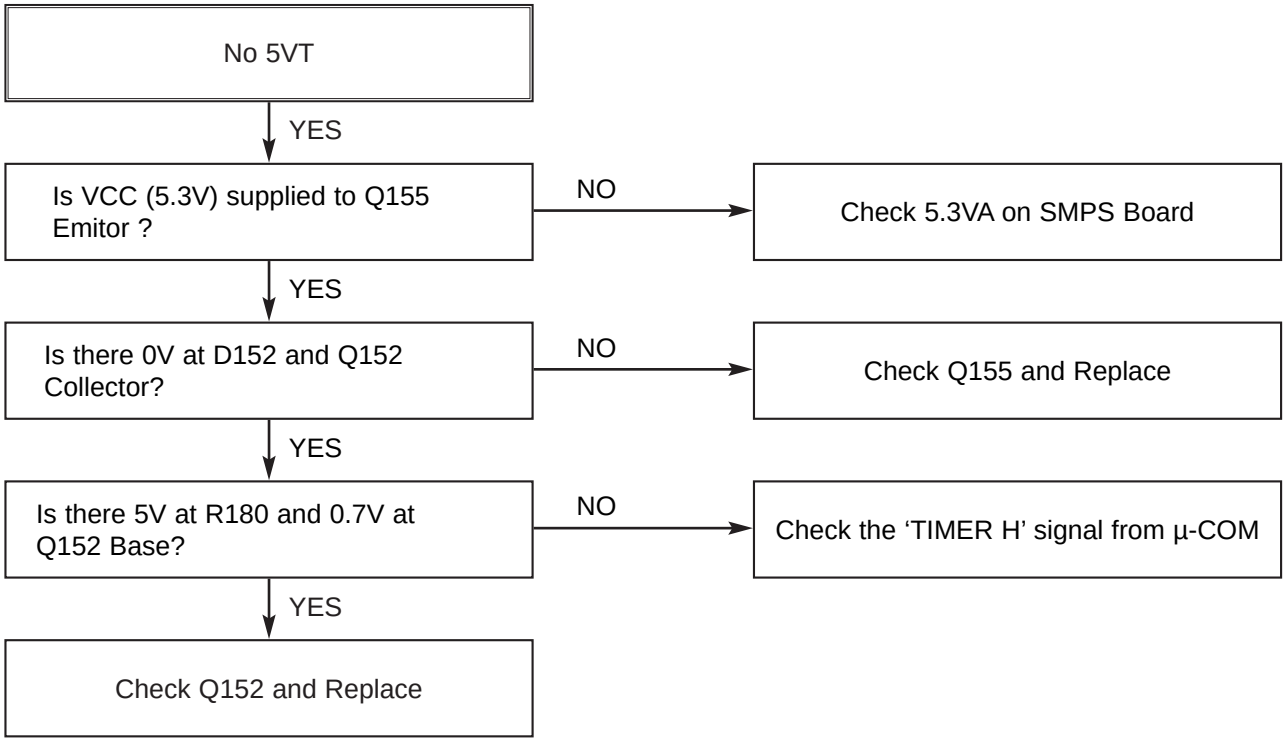

No 12V
YES
Is Vcc(14.0V) supplied to IC131 pin 1?
NO
Check or Replace D127
YES
Is IC131 pin4 'H'?
NO
Check the PWR CTL "H" signal from µ-com
YES
Check or Replace IC131

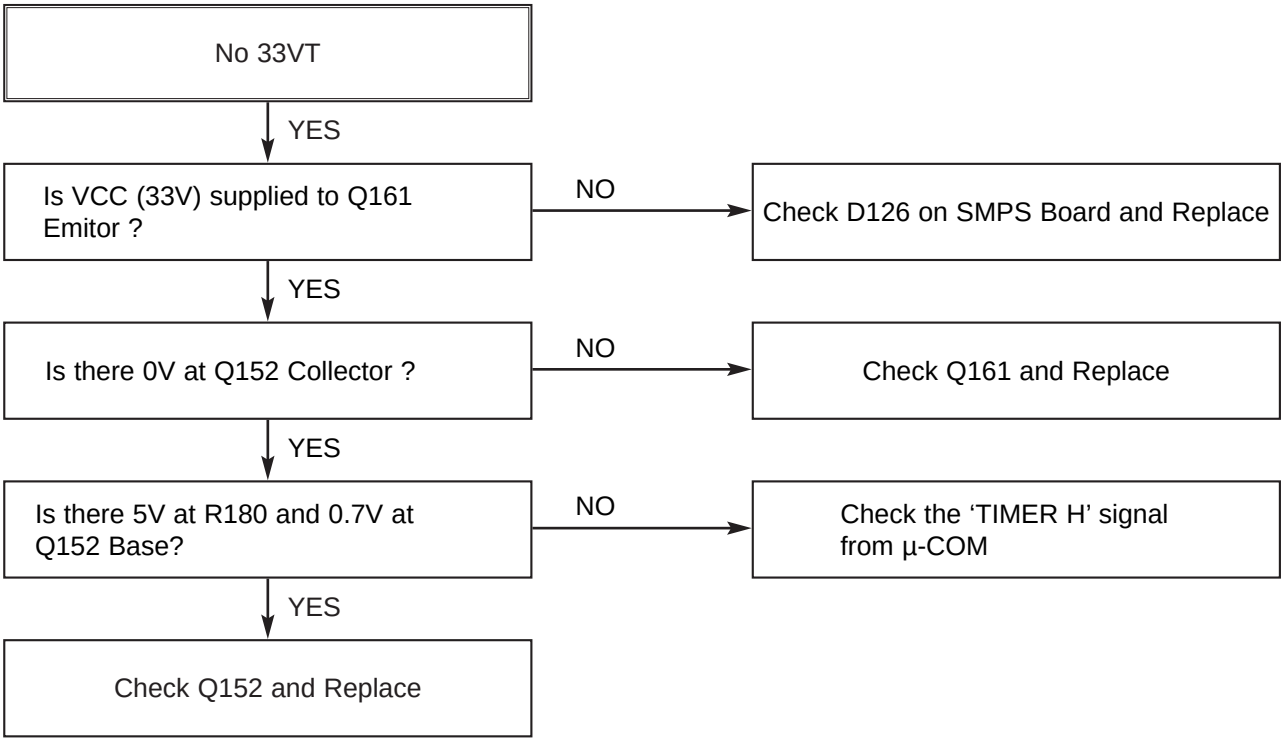

No 5V
YES
Is Vcc(5.5V) supplied to IC132 pin 1?
NO
Check or Replace D125
YES
Is IC132 pin4 'H'?
NO
Check the PWR CTL "H" signal from µ-com
YES
Check or Replace IC132

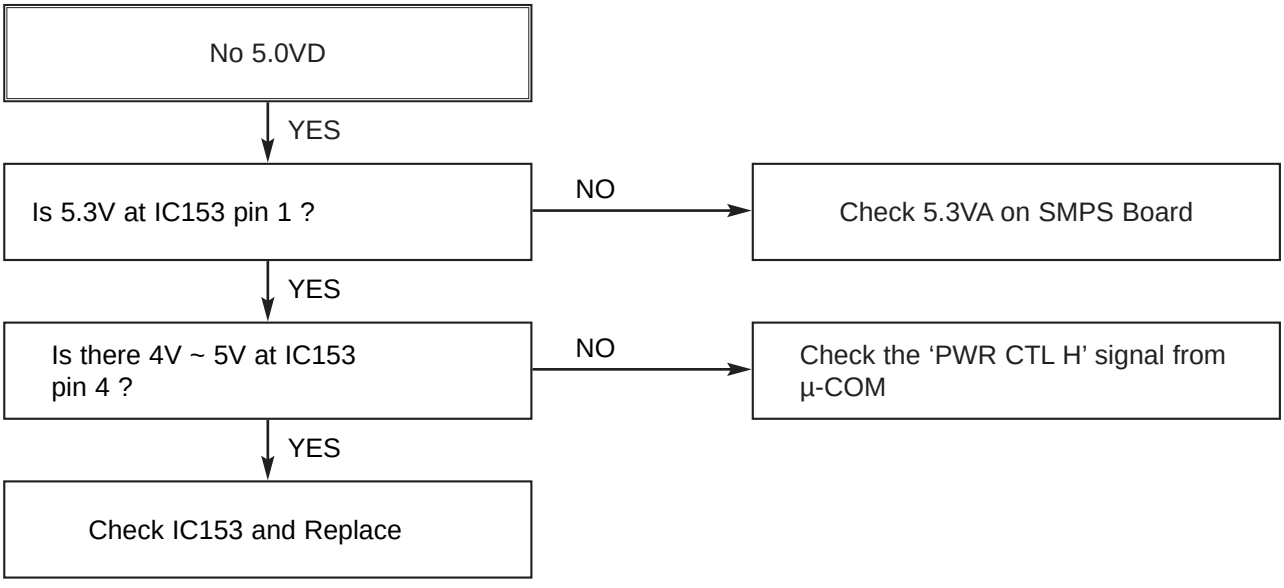
2. POWER SUPPLY ON I/O BOARD

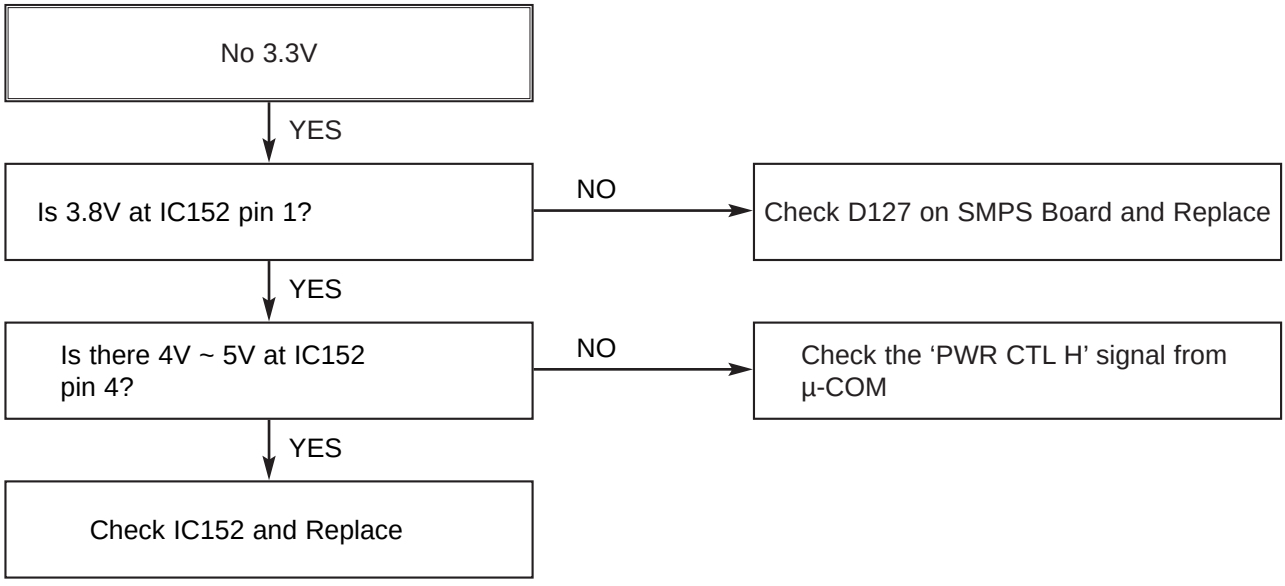


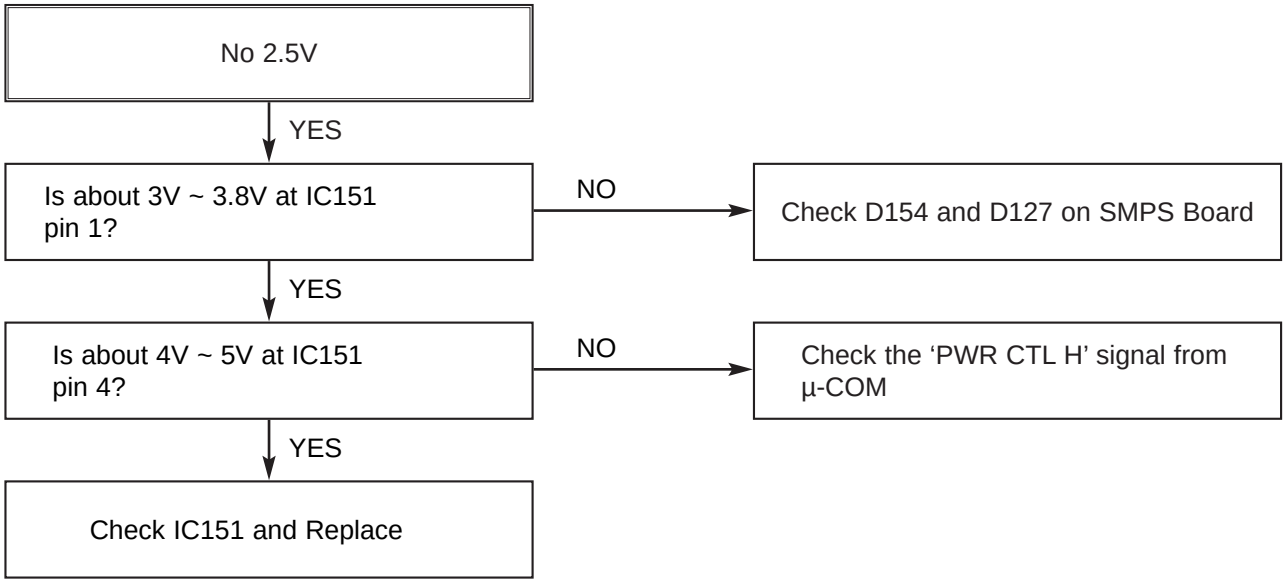

No 5.2V
YES
Is VCC (5.3V) supplied to Q151 Emitor ?
NO
Check 5.3VA on SMPS Board
YES
Is there 0V at D153 and Q156 Collector ?
NO
Check Q151 and Replace
YES
Is there 5V at R171 and 0.7V at Q156 Base ?
NO
Check the 'PWR CTL H' signal from µ-COM
YES
Check Q156 and Replace

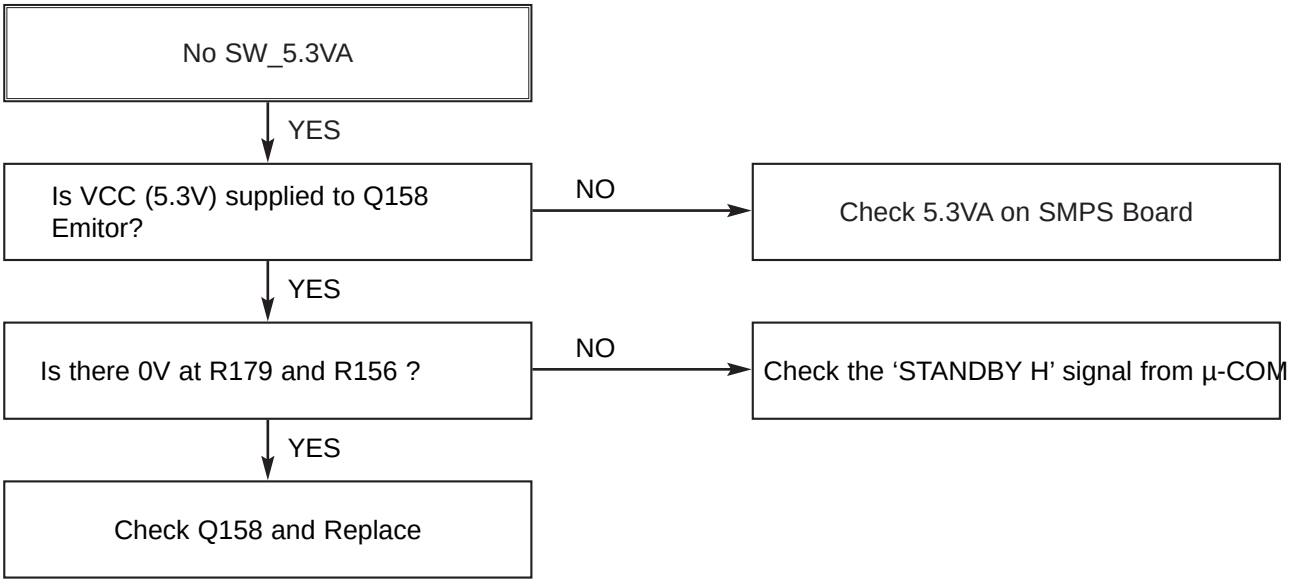

No 5VT
YES
Is VCC (5.3V) supplied to Q155 Emitor ?
NO
Check 5.3VA on SMPS Board
YES
Is there 0V at D152 and Q152 Collector?
NO
Check Q155 and Replace
YES
Is there 5V at R180 and 0.7V at Q152 Base?
NO
Check the 'TIMER H' signal from µ-COM
YES
Check Q152 and Replace

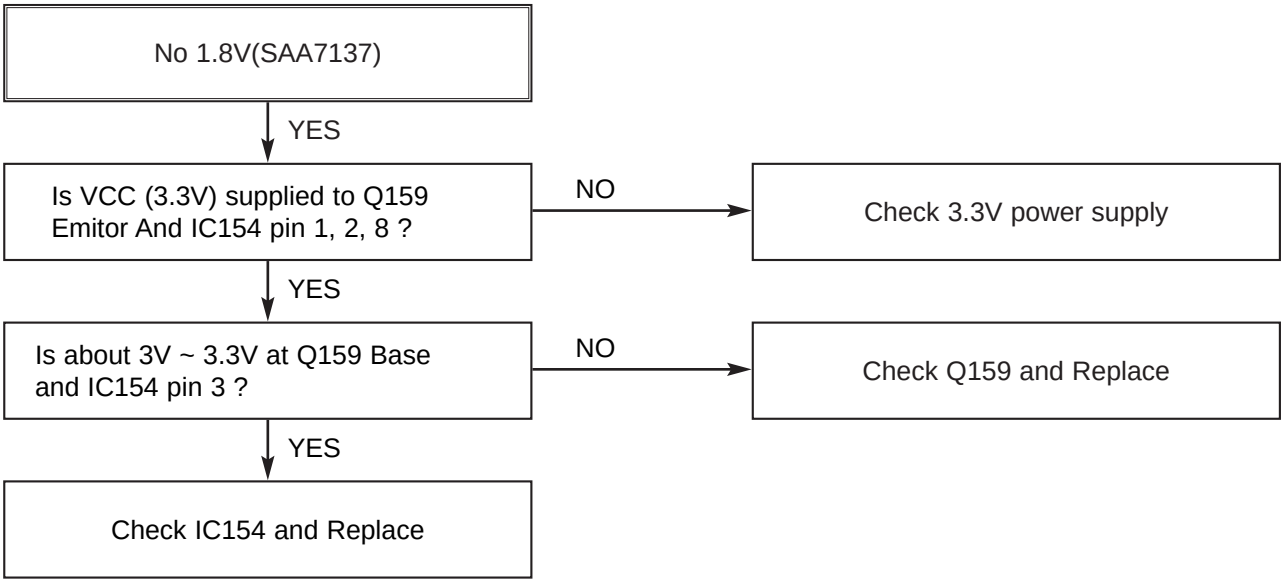

No 33VT
YES
Is VCC (33V) supplied to Q161 Emitor ?
NO
Check D126 on SMPS Board and Replace
YES
Is there 0V at Q152 Collector ?
NO
Check Q161 and Replace
YES
Is there 5V at R180 and 0.7V at Q152 Base?
NO
Check the 'TIMER H' signal from µ-COM
YES
Check Q152 and Replace

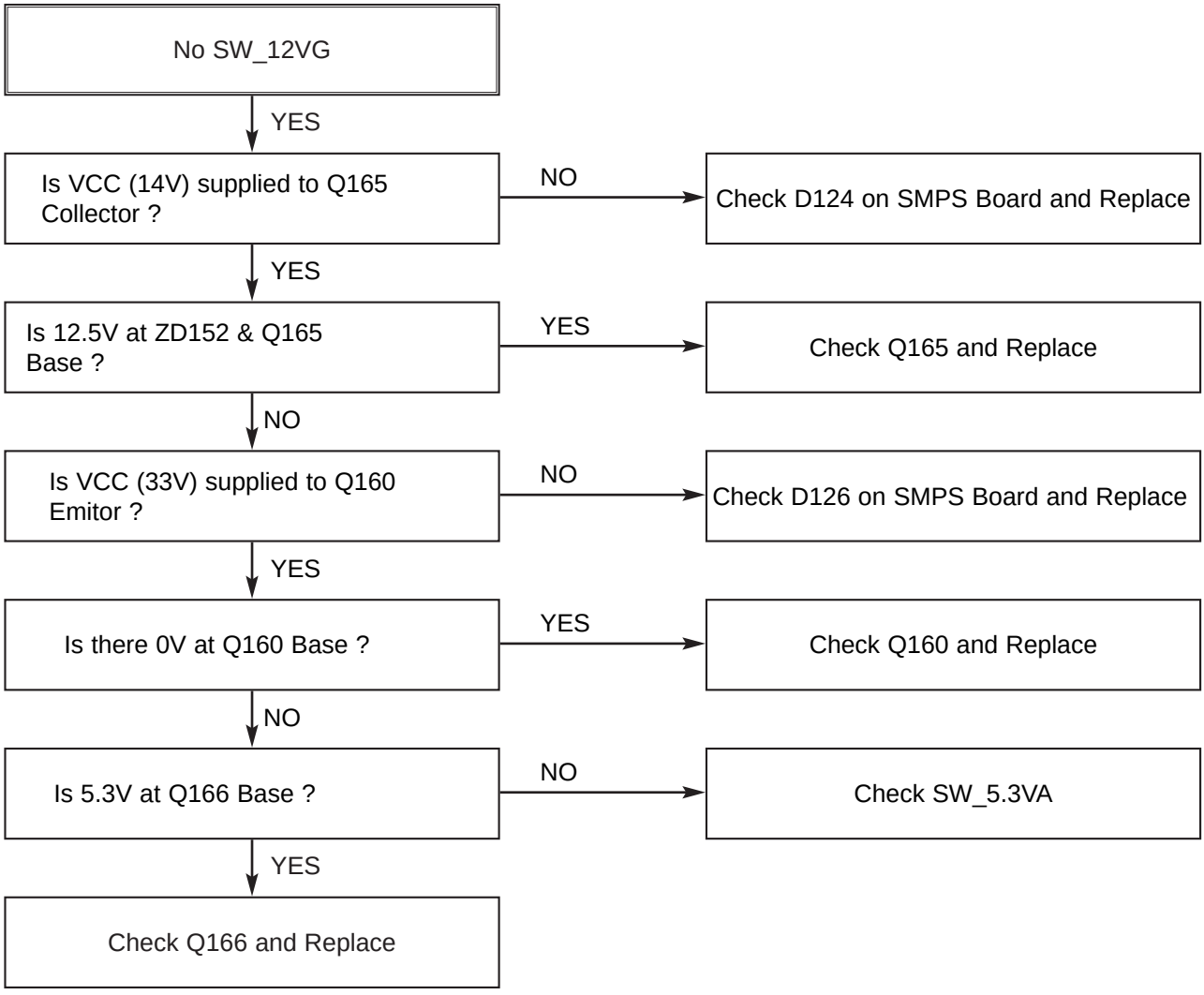

No 5.0VD
YES
Is 5.3V at IC153 pin 1 ?
NO
Check 5.3VA on SMPS Board
YES
Is there 4V ~ 5V at IC153 pin 4 ?
NO
Check the 'PWR CTL H' signal from µ-COM
YES
Check IC153 and Replace

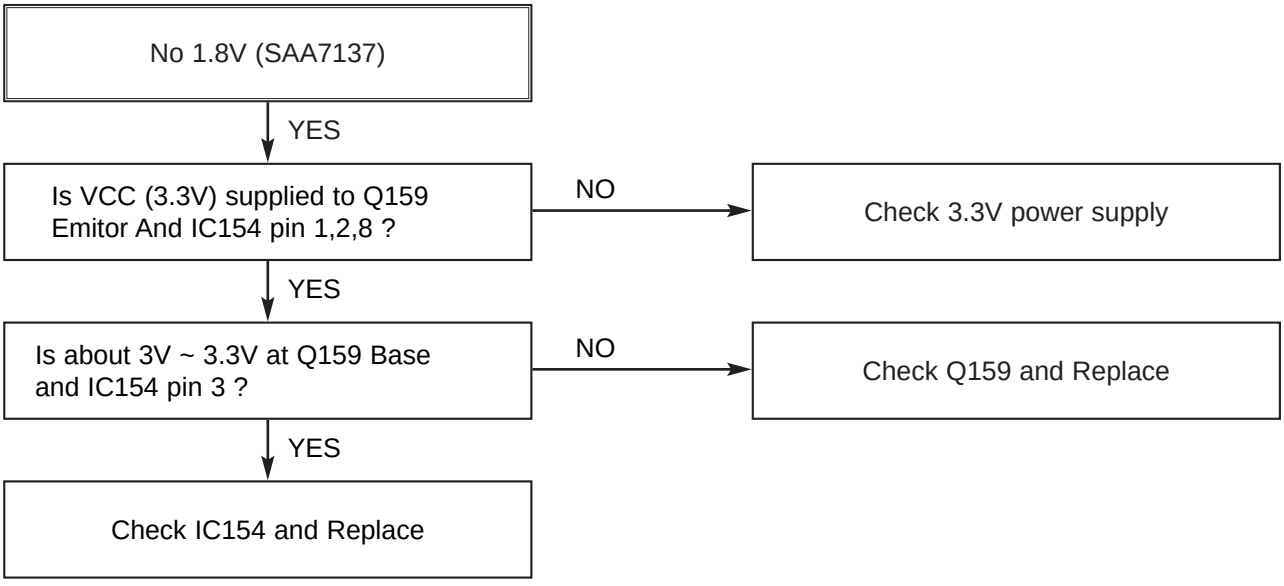

No 3.3V
YES
Is 3.8V at IC152 pin 1?
NO
Check D127 on SMPS Board and Replace
YES
Is there 4V ~ 5V at IC152 pin 4?
NO
Check the 'PWR CTL H' signal from µ-COM
YES
Check IC152 and Replace

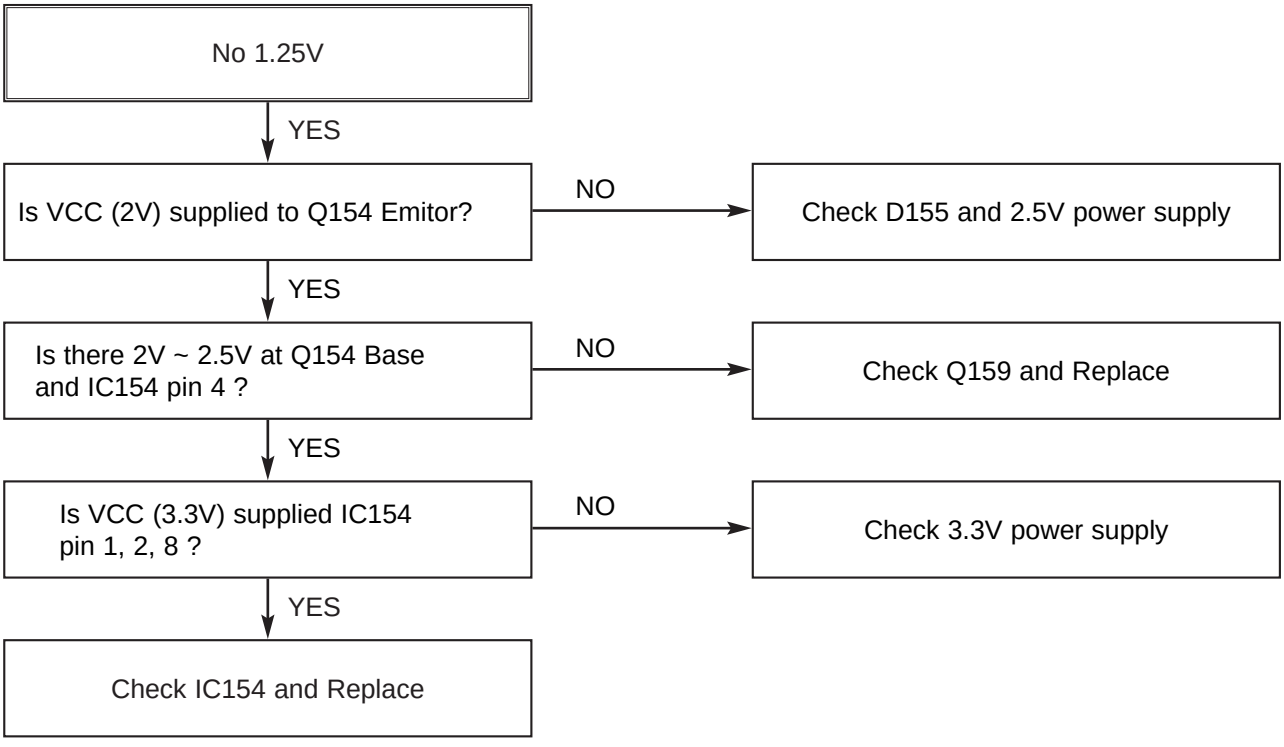

No 2.5V
YES
Is about 3V ~ 3.8V at IC151 pin 1?
NO
Check D154 and D127 on SMPS Board
YES
Is about 4V ~ 5V at IC151 pin 4?
NO
Check the 'PWR CTL H' signal from µ-COM
YES
Check IC151 and Replace


No SW_5.3VA
YES
Is VCC (5.3V) supplied to Q158 Emitor?
NO
Check 5.3VA on SMPS Board
YES
Is there 0V at R179 and R156 ?
NO
Check the 'STANDBY H' signal from µ-COM
YES
Check Q158 and Replace

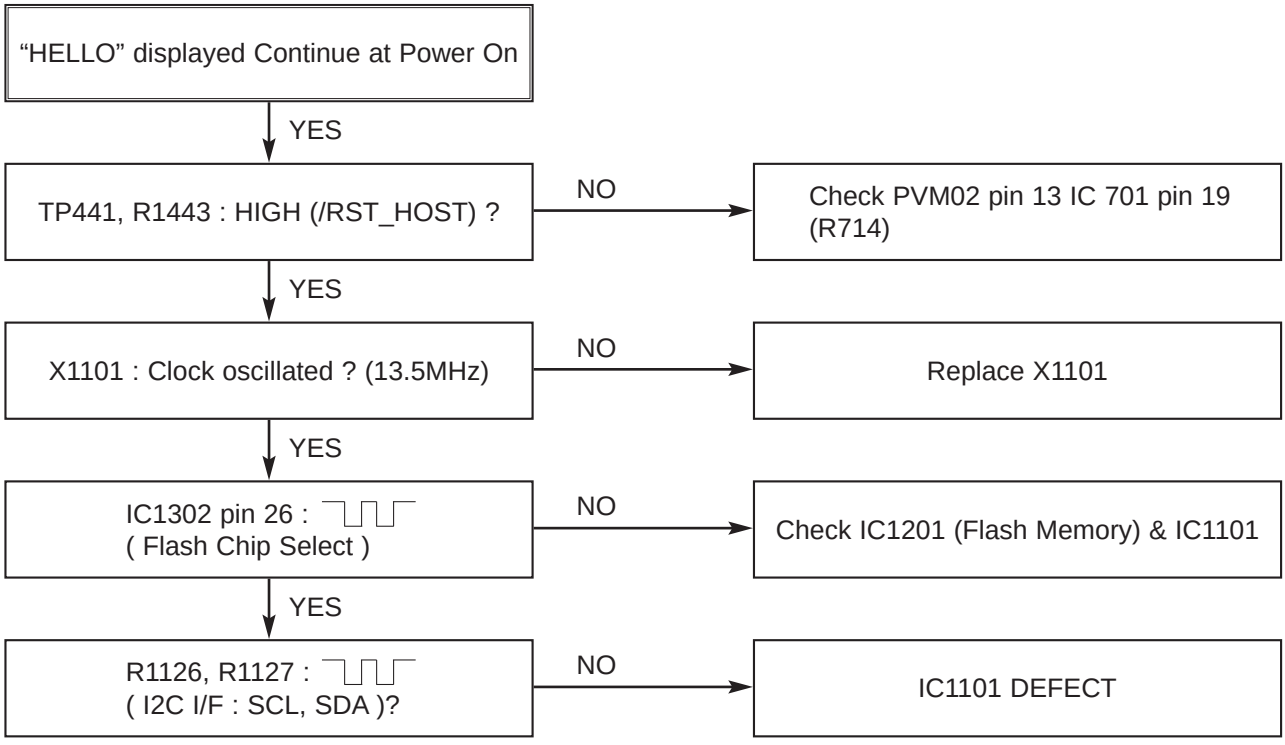

No 1.8V(SAA7137)
YES
Is VCC (3.3V) supplied to Q159 Emitor And IC154 pin 1, 2, 8 ?
NO
Check 3.3V power supply
YES
Is about 3V ~ 3.3V at Q159 Base and IC154 pin 3 ?
NO
Check Q159 and Replace
YES
Check IC154 and Replace


No SW_12VG
YES
Is VCC (14V) supplied to Q165 Collector ?
NO
Check D124 on SMPS Board and Replace
YES
Is 12.5V at ZD152 & Q165 Base ?
YES
Check Q165 and Replace
NO
Is VCC (33V) supplied to Q160 Emitor ?
NO
Check D126 on SMPS Board and Replace
YES
Is there 0V at Q160 Base ?
YES
Check Q160 and Replace
NO
Is 5.3V at Q166 Base ?
NO
Check SW_5.3VA
YES
Check Q166 and Replace

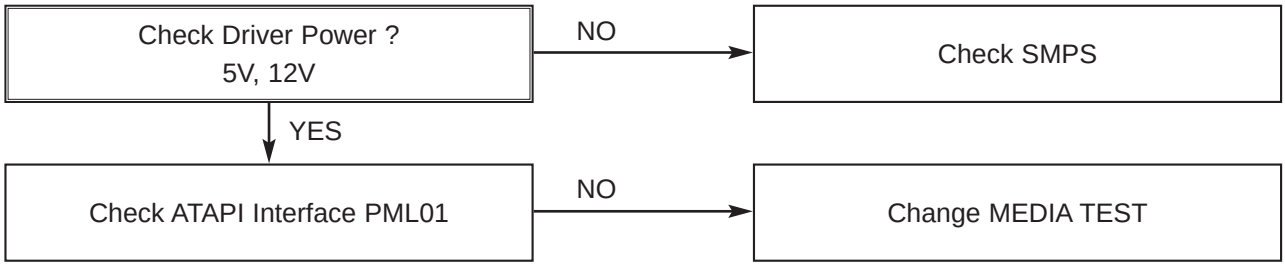

No 1.8V (SAA7137)
YES
Is VCC (3.3V) supplied to Q159 Emitor And IC154 pin 1,2,8 ?
NO
Check 3.3V power supply
YES
Is about 3V ~ 3.3V at Q159 Base and IC154 pin 3 ?
NO
Check Q159 and Replace
YES
Check IC154 and Replace


No 1.25V
YES
Is VCC (2V) supplied to Q154 Emitor?
NO
Check D155 and 2.5V power supply
YES
Is there 2V ~ 2.5V at Q154 Base and IC154 pin 4 ?
NO
Check Q159 and Replace
YES
Is VCC (3.3V) supplied IC154 pin 1, 2, 8 ?
NO
Check 3.3V power supply
YES
Check IC154 and Replace

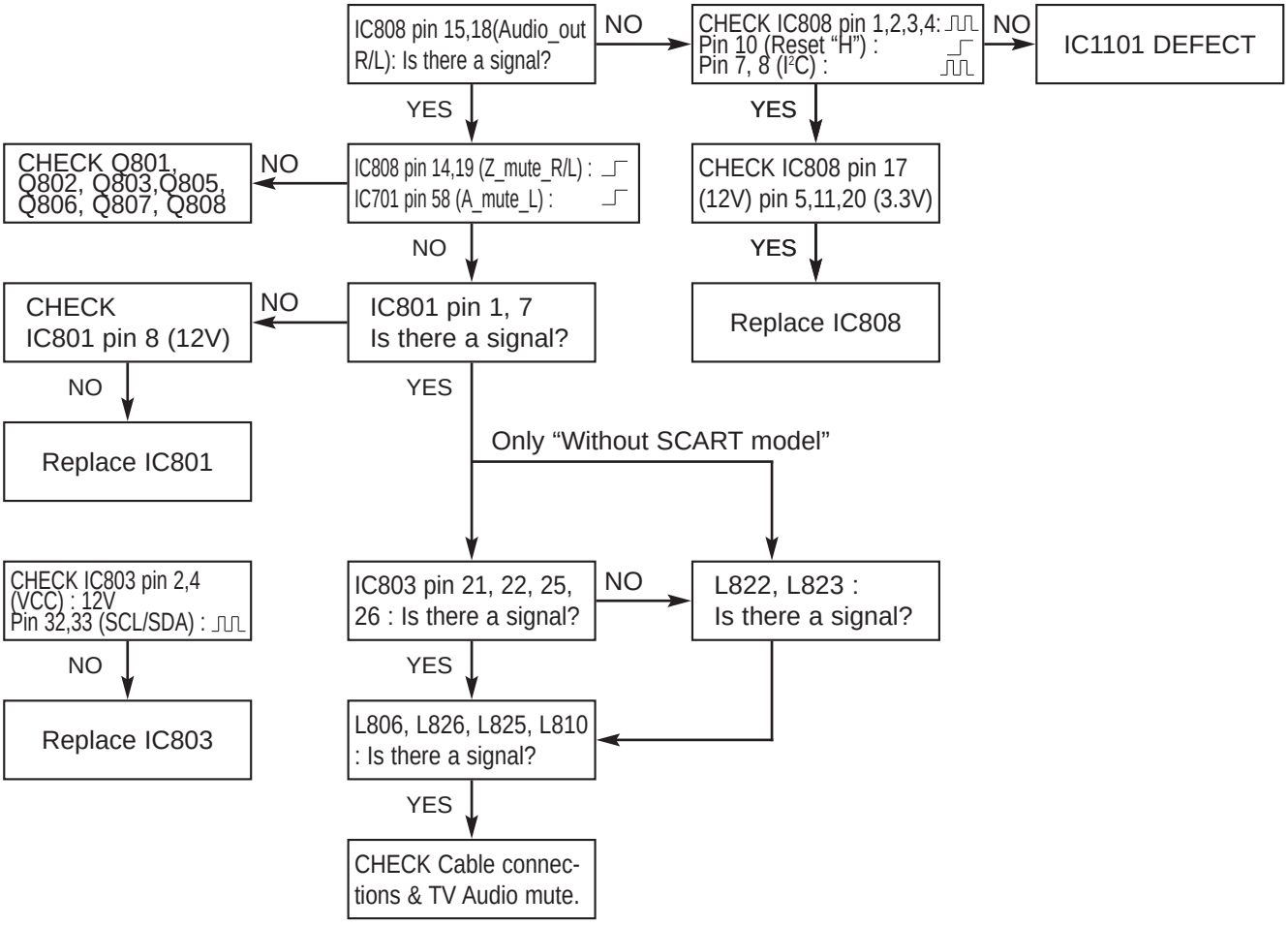
3. SYSTEM CIRCUIT PART



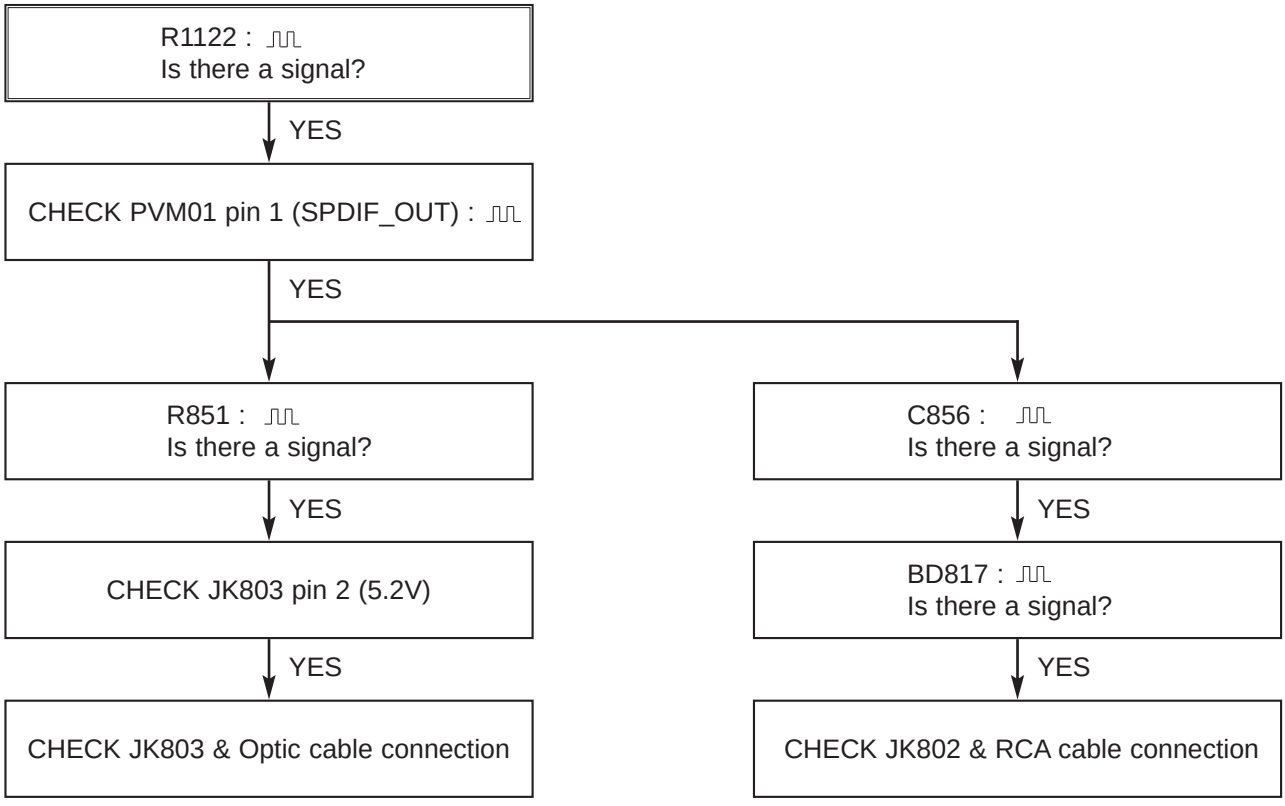
4. DISC NOT RECOGNIZED



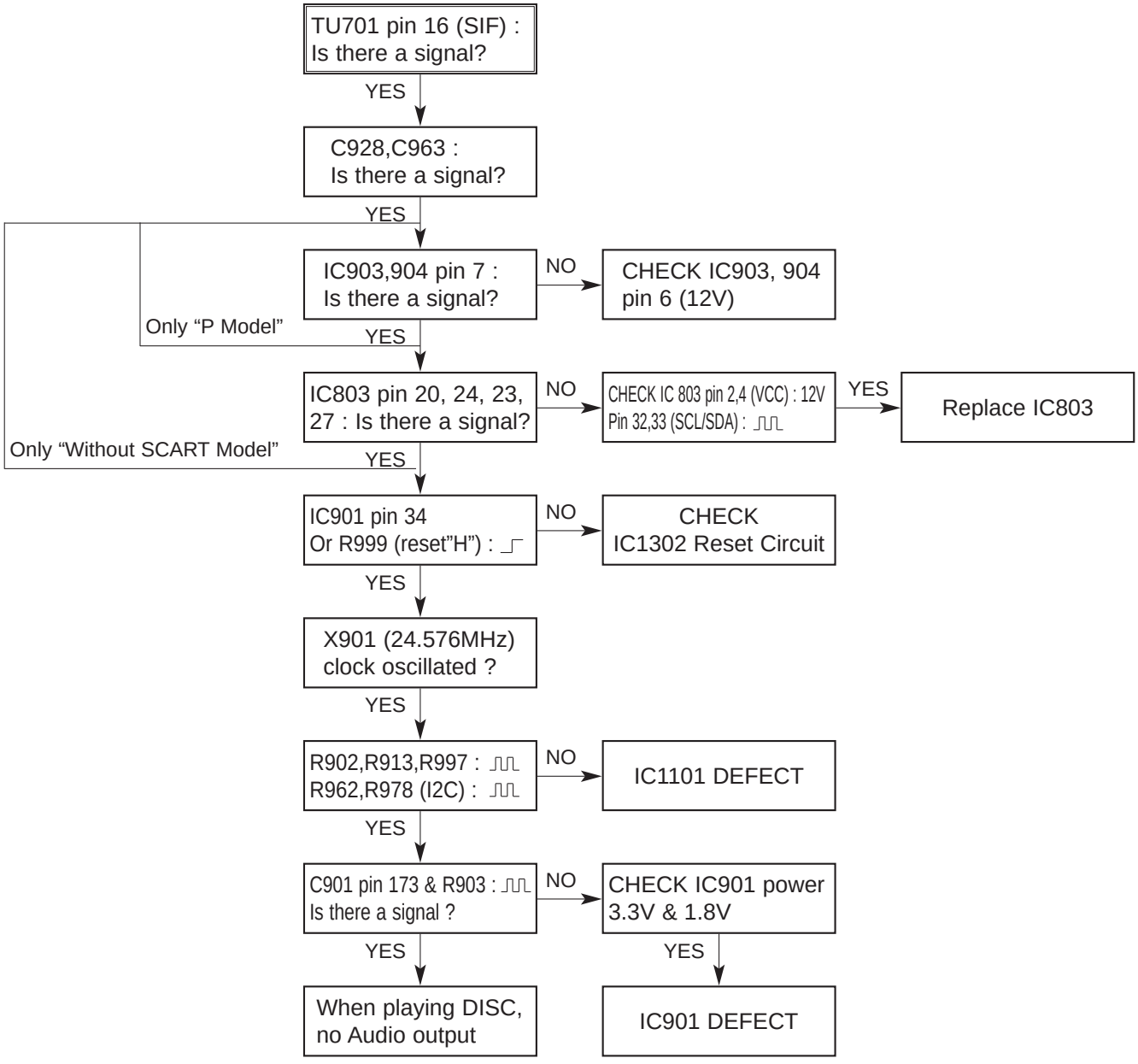
5. WHEN PLAYING DISC, NO AUDIO OUTPUT



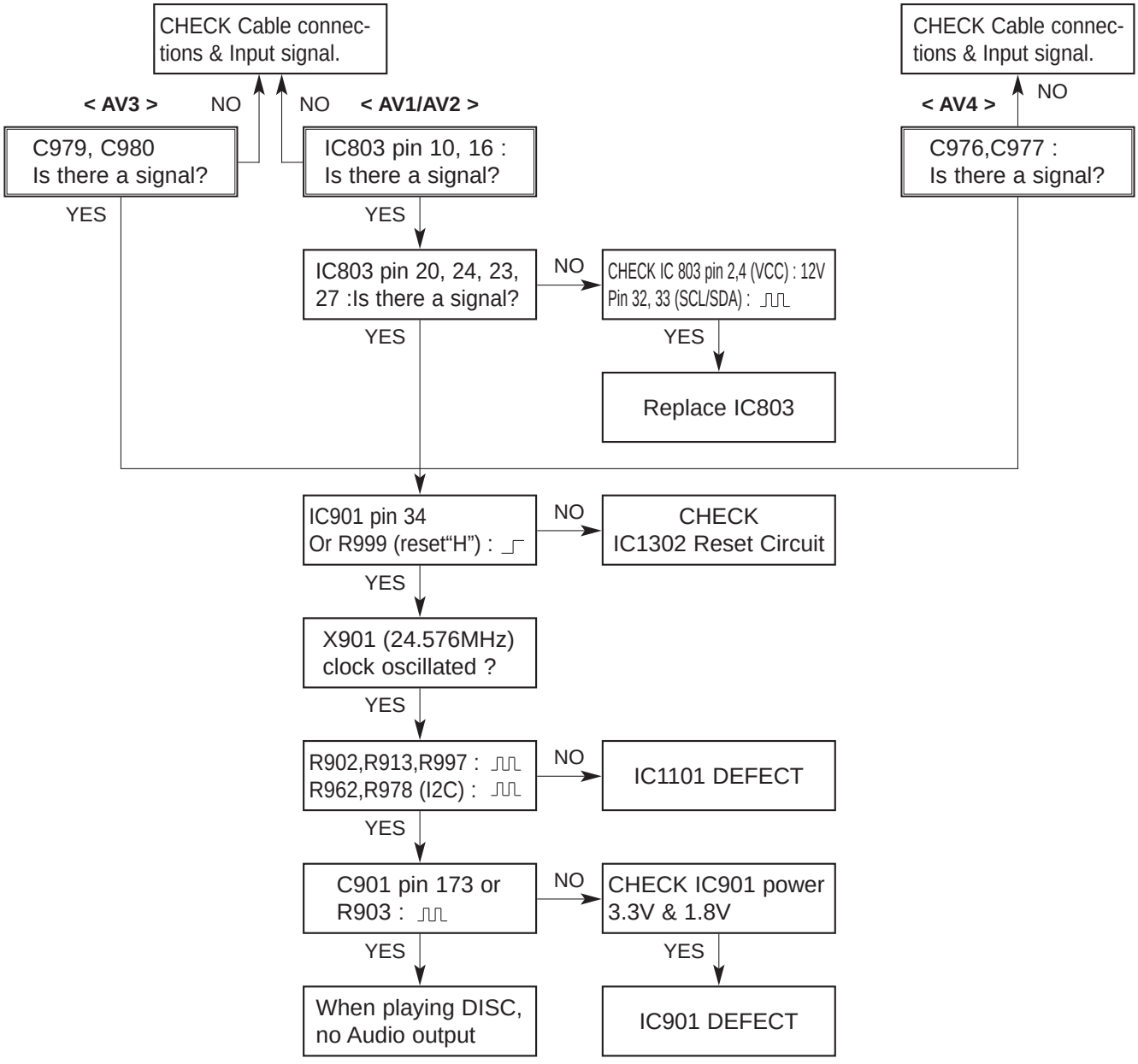
6. NO OPTICAL / DIGITAL OUTPUT



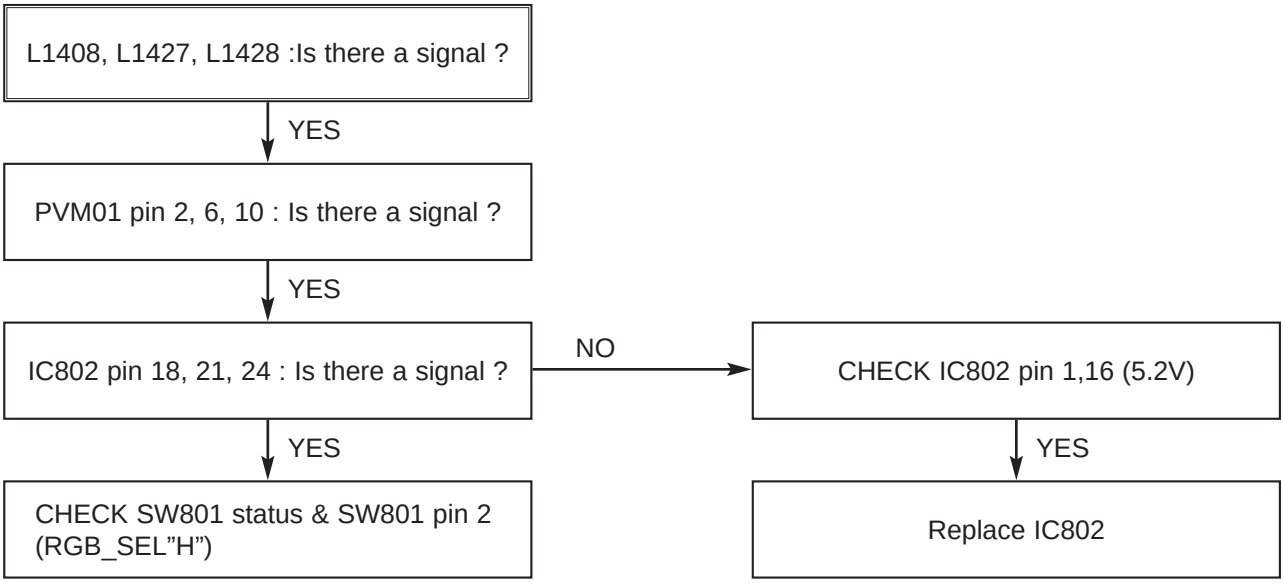
7. NO TUNER AUDIO OUTPUT



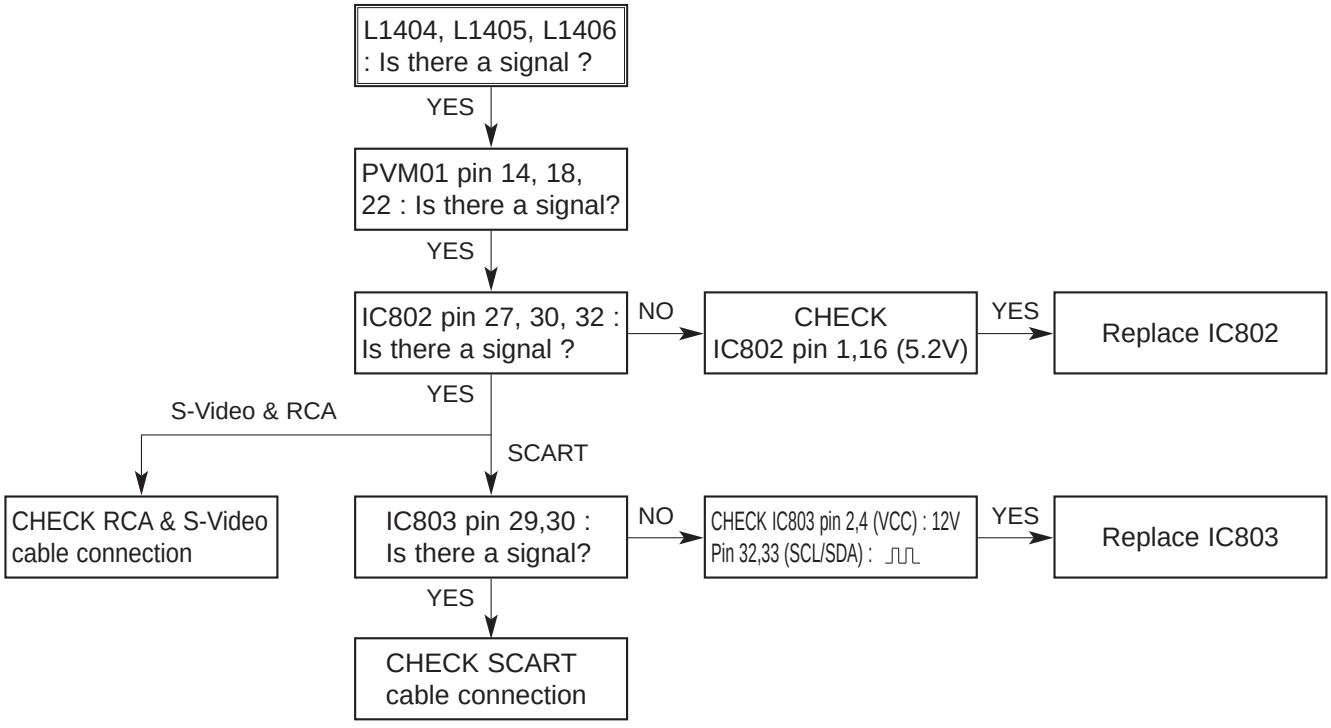
8. NO EXTERNAL AUDIO INPUT



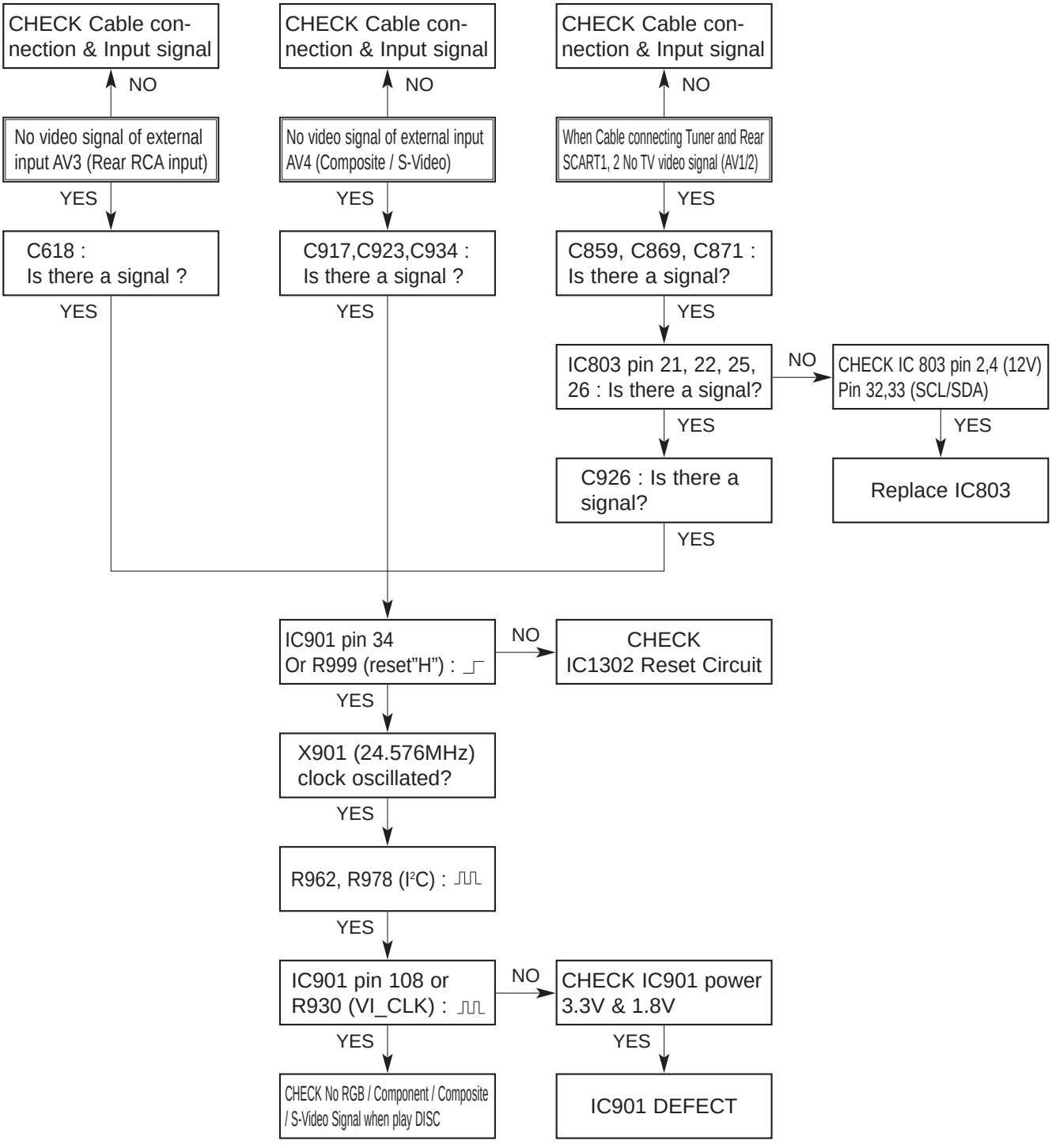
9. NO RGB / COMPONENT VIDEO SIGNAL WHEN PLAY DISC



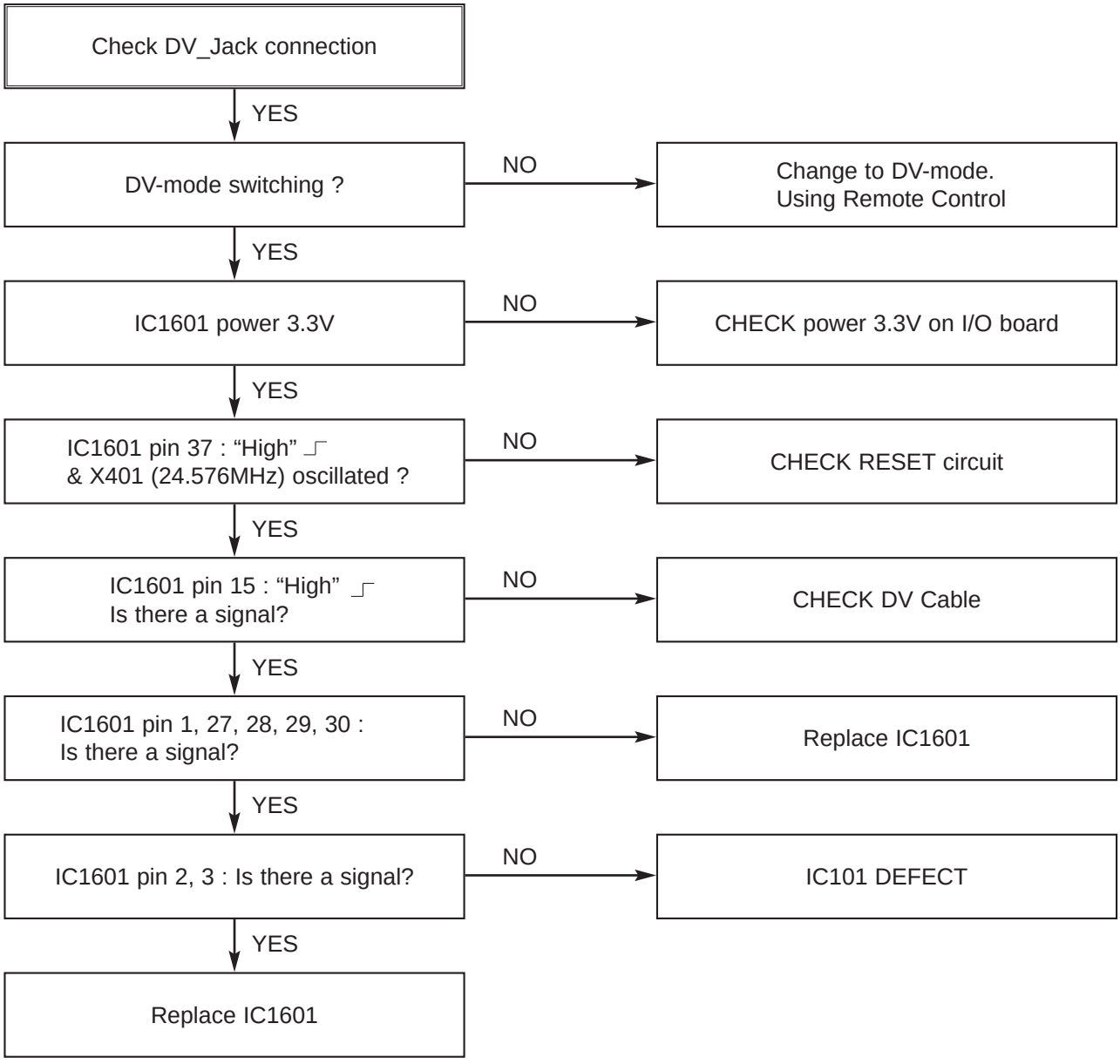
10. NO COMPOSITE / S-VIDEO SIGNAL WHEN PLAY DISC



11. NO TV, EXTERNAL INPUT VIDEO SIGNAL



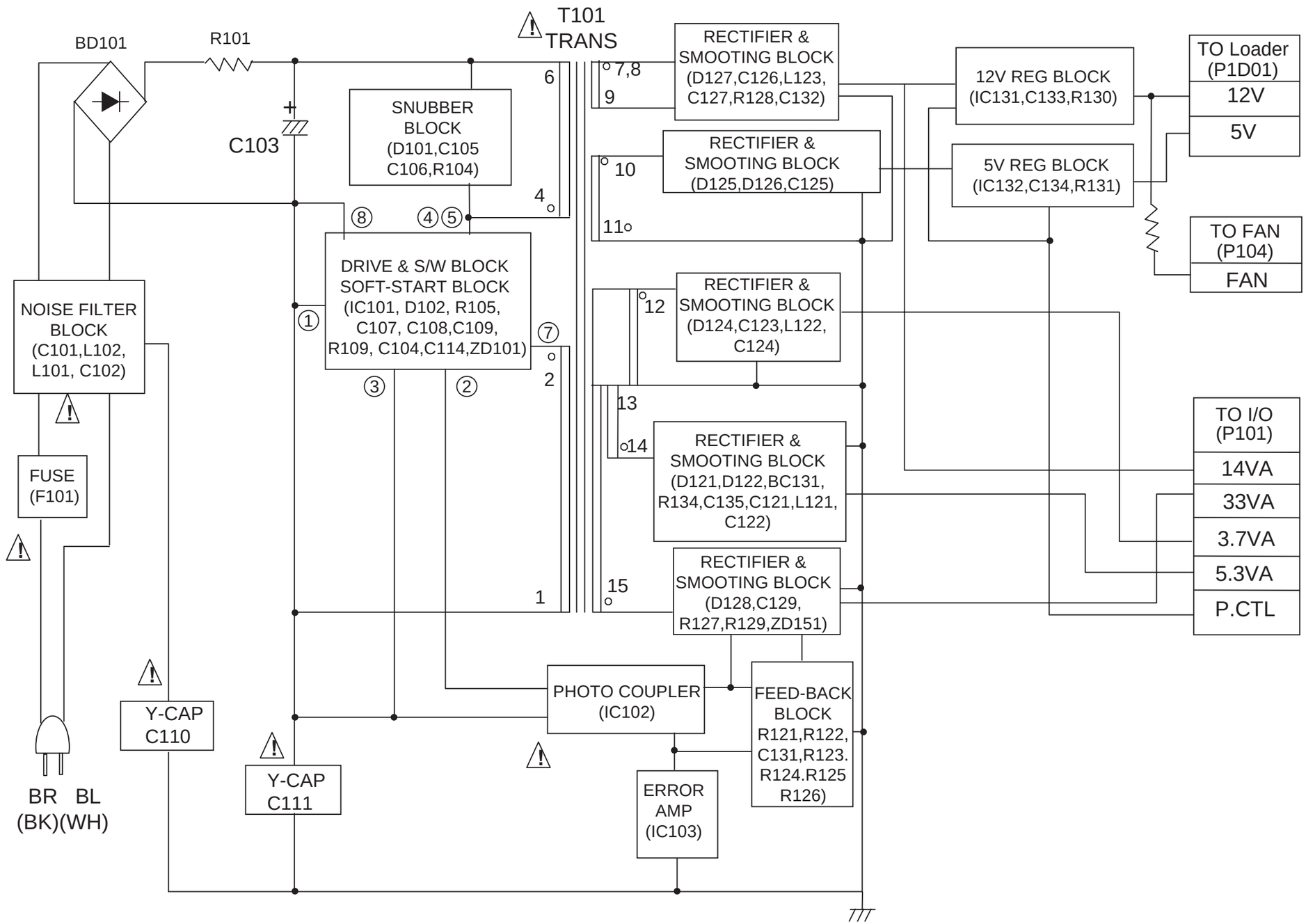
12. NO DV(IEEE 1394) INPUT (VIDEO/AUDIO) SIGNAL



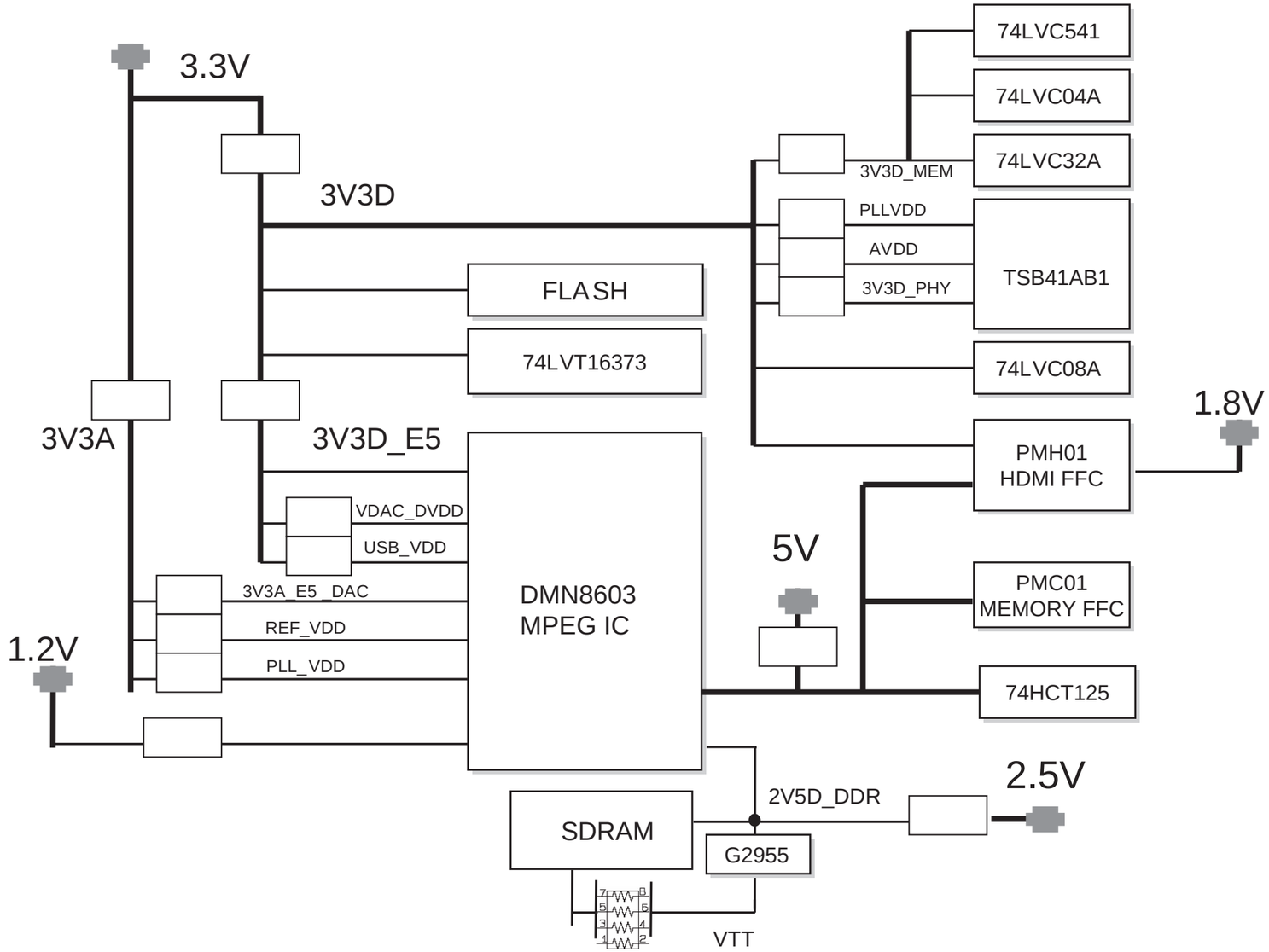
MEMO

BLOCK DIAGRAMS

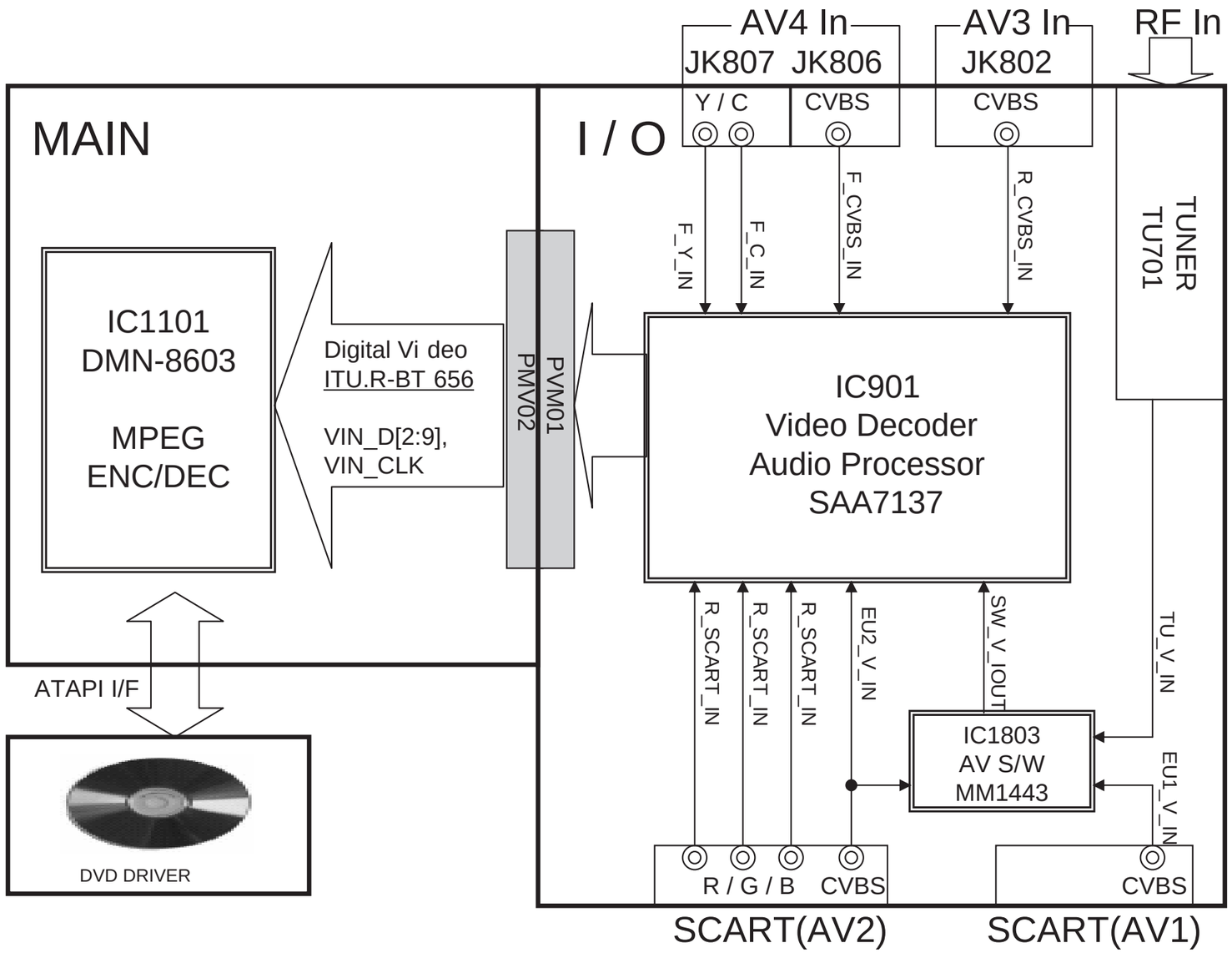
1. POWER BLOCK DIAGRAM



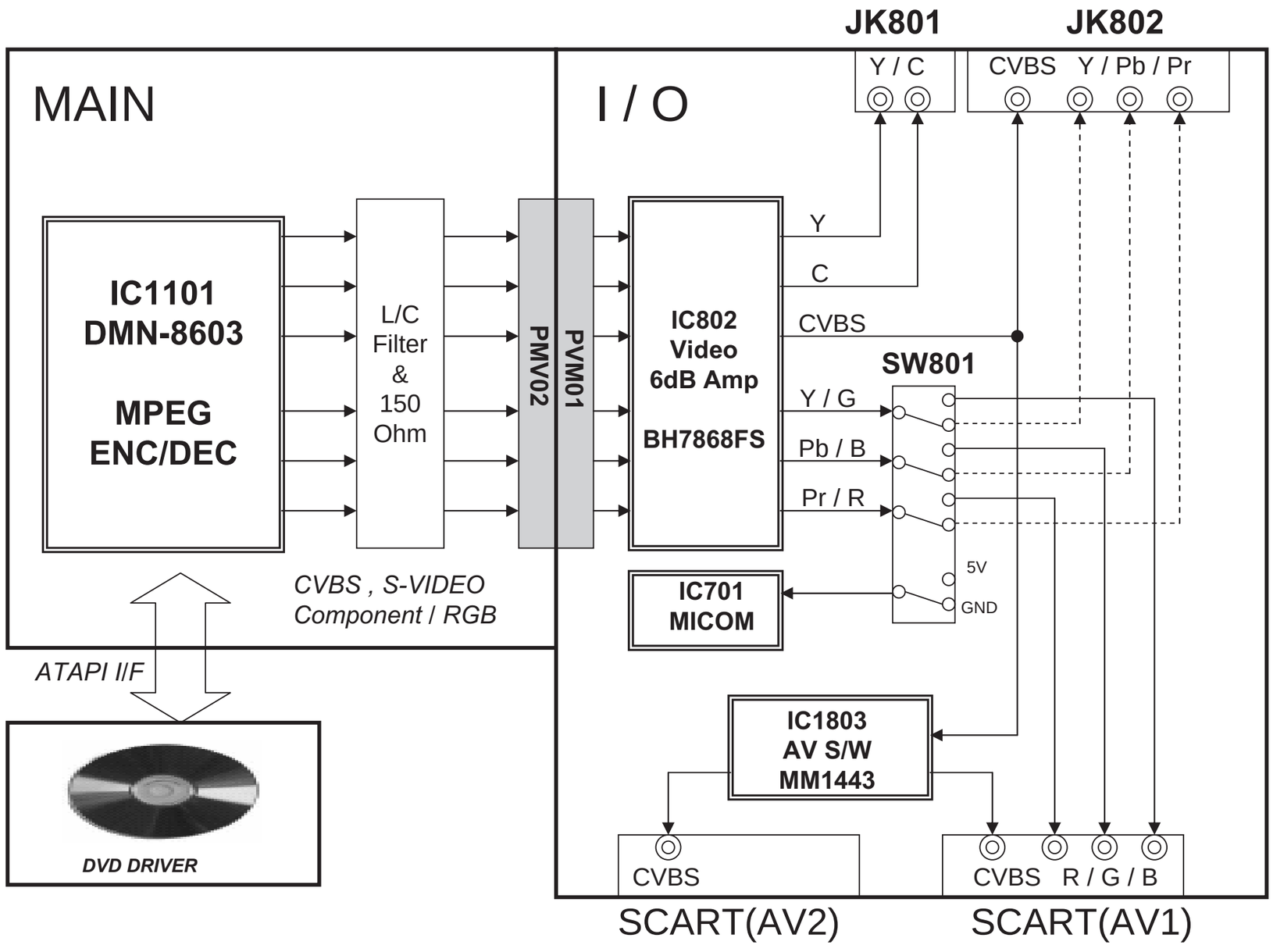
2. MAIN POWER BLOCK DIAGRAM



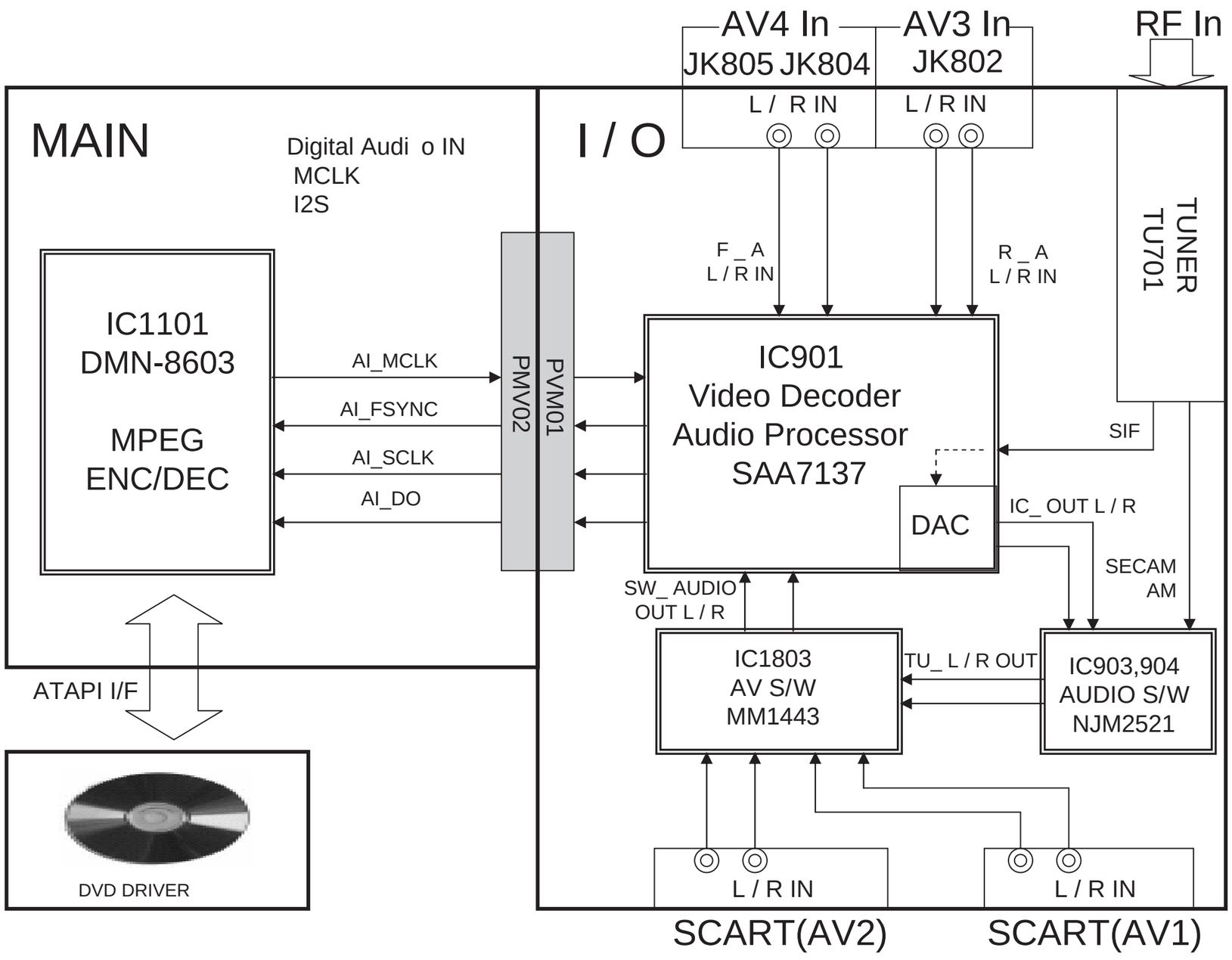
3. VIDEO IN BLOCK DIAGRAM



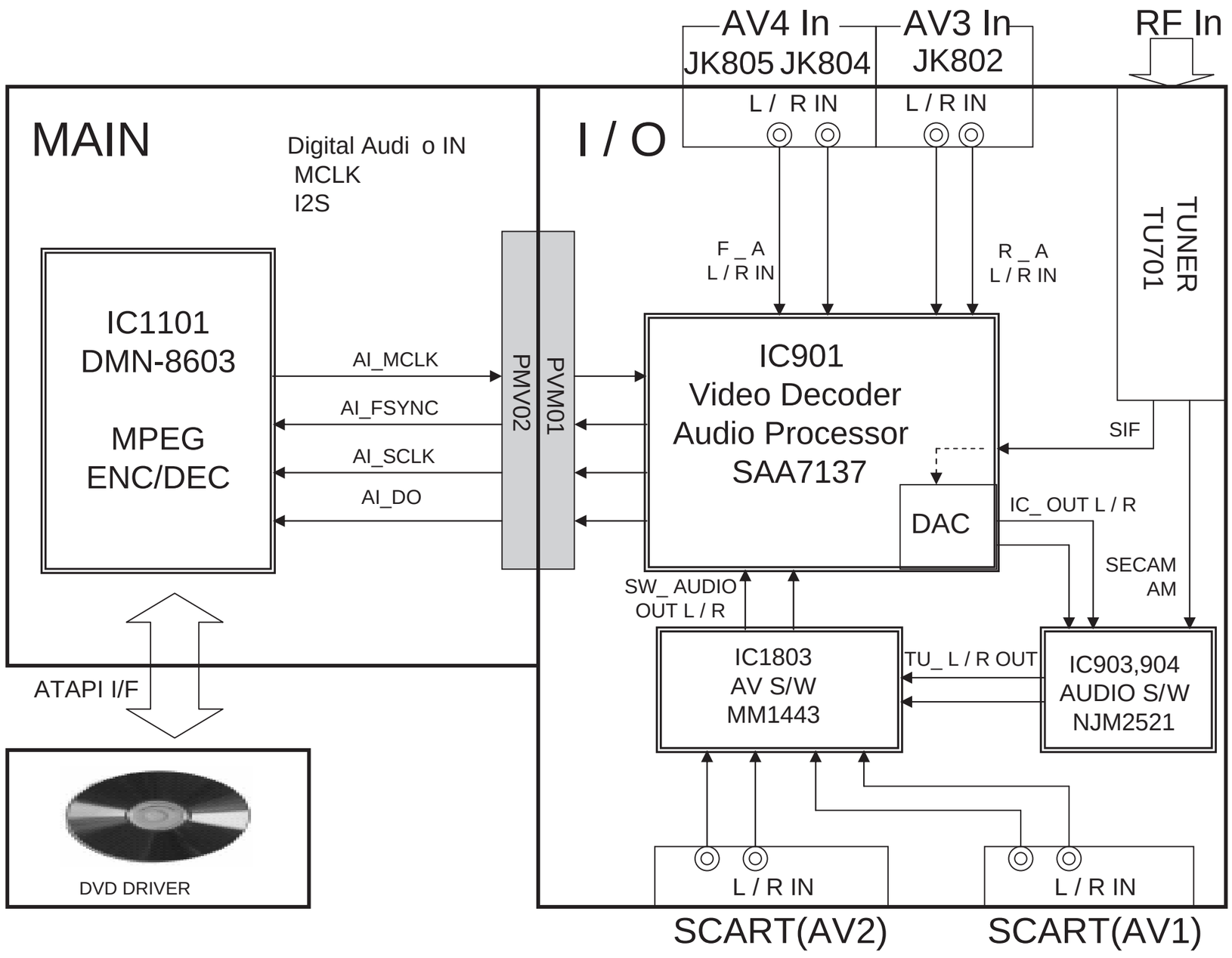
4. VIDEO OUT BLOCK DIAGRAM



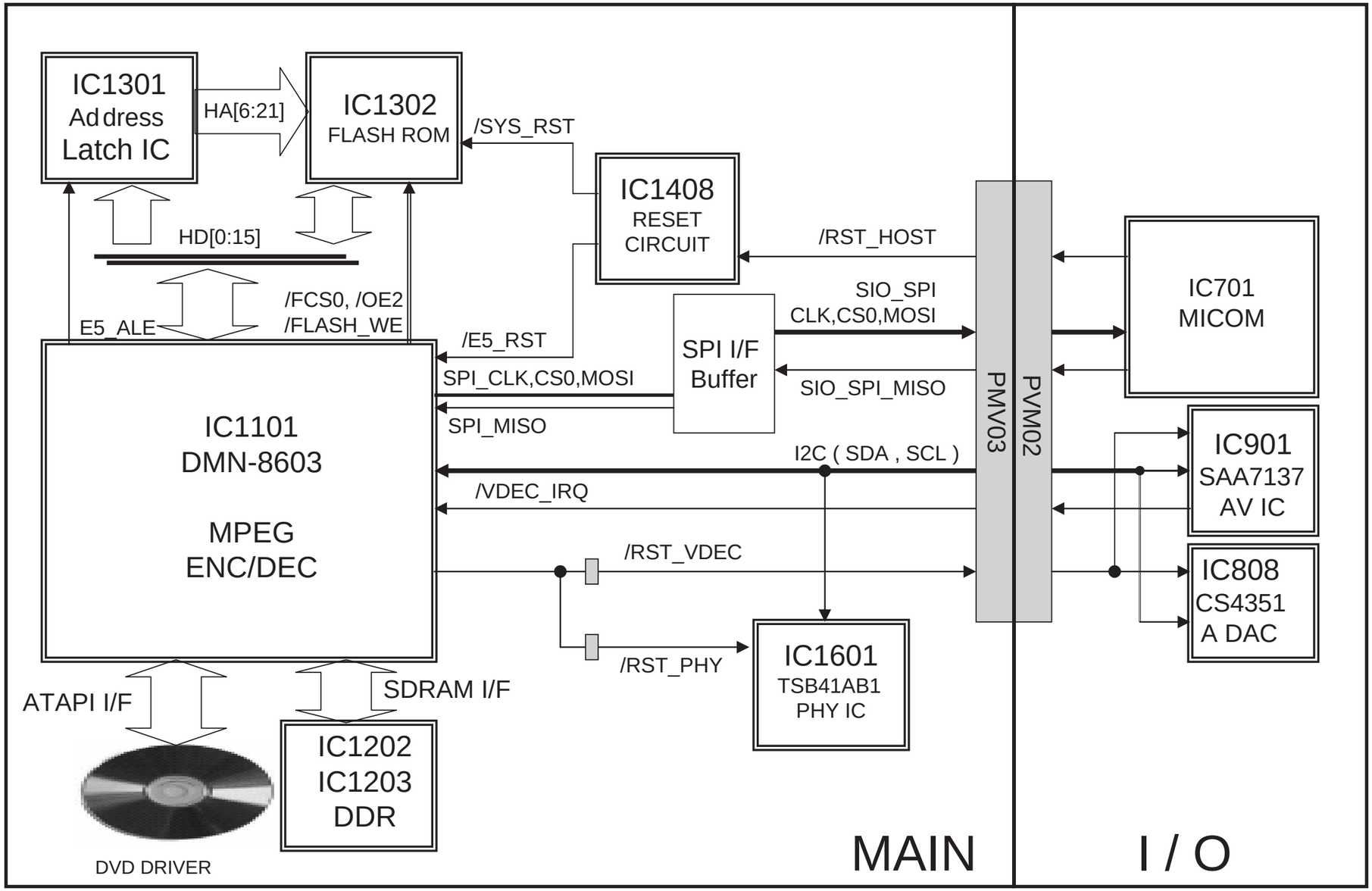
5. AUDIO IN BLOCK DIAGRAM



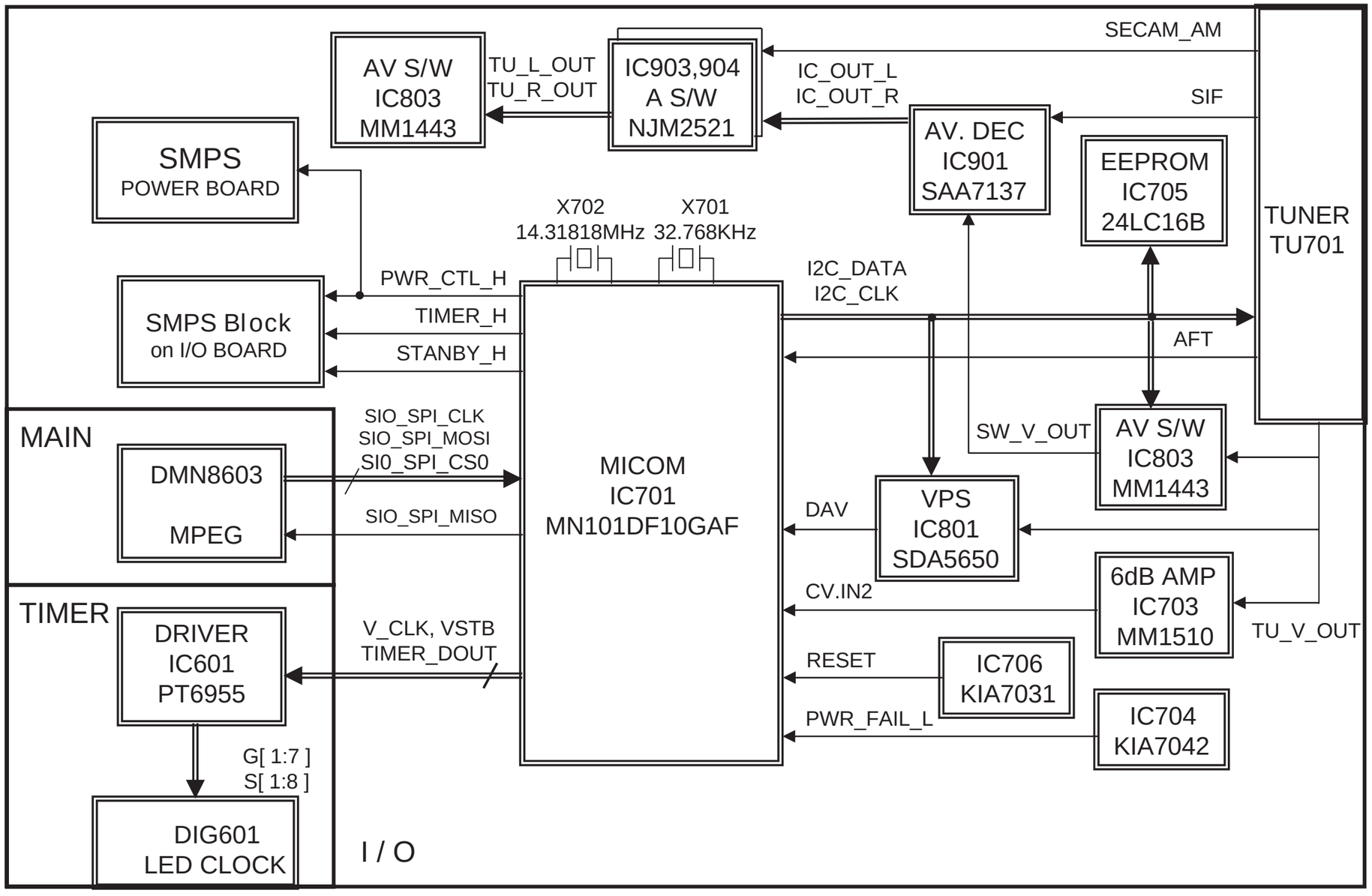
6. AUDIO OUT BLOCK DIAGRAM



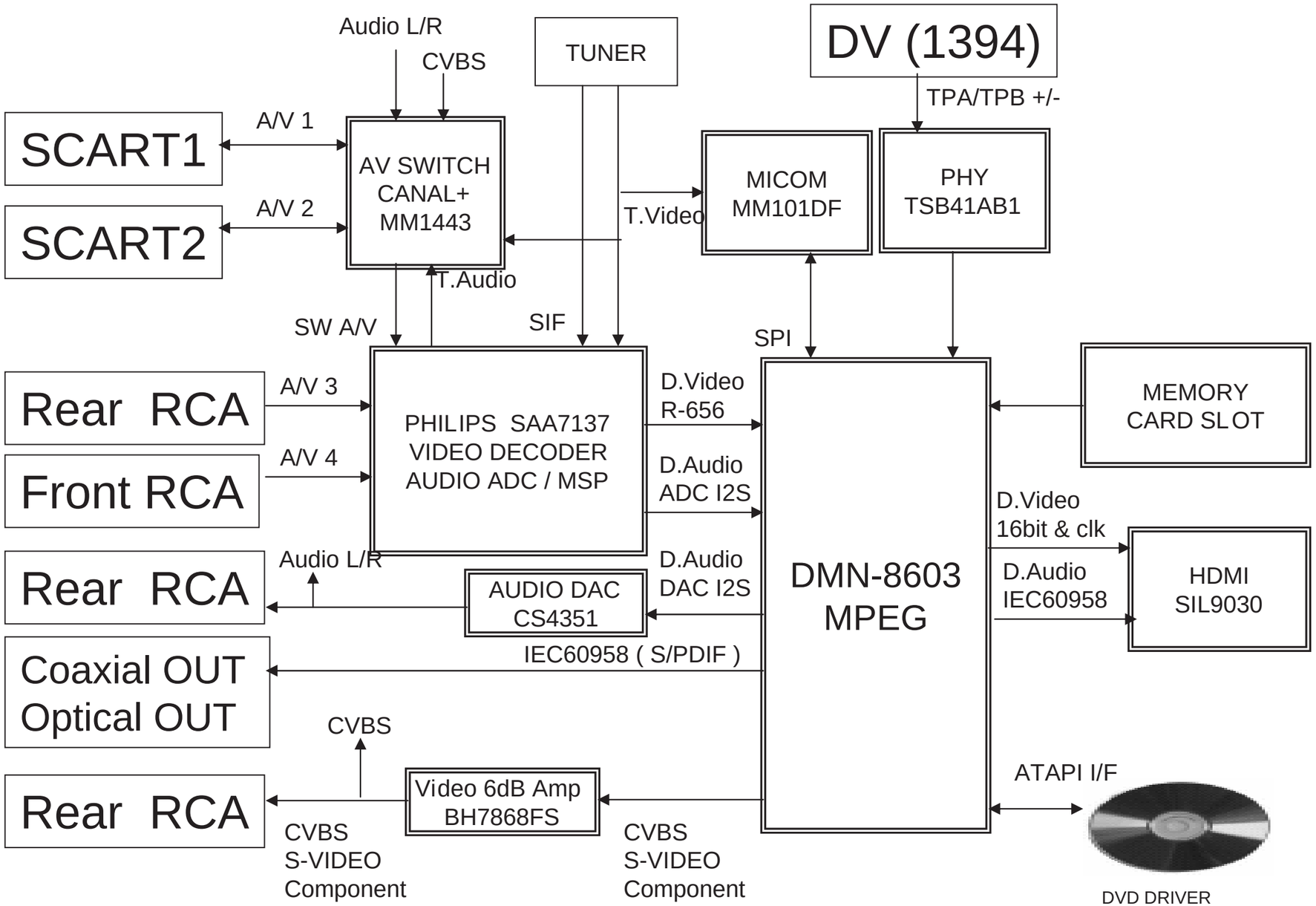
7. SYSTEM MAIN BLOCK DIAGRAM



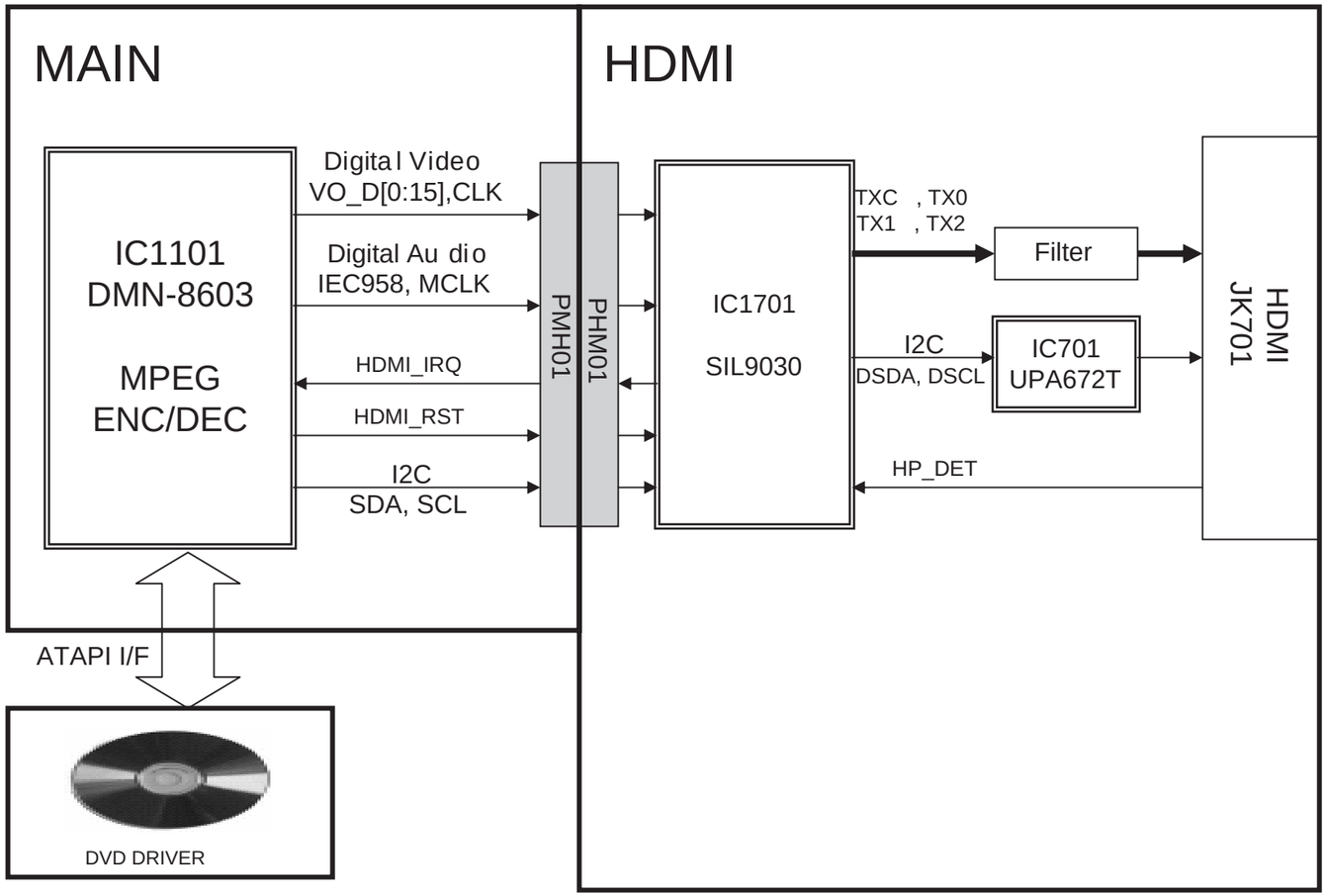
8. I/O µ-COM BLOCK DIAGRAM



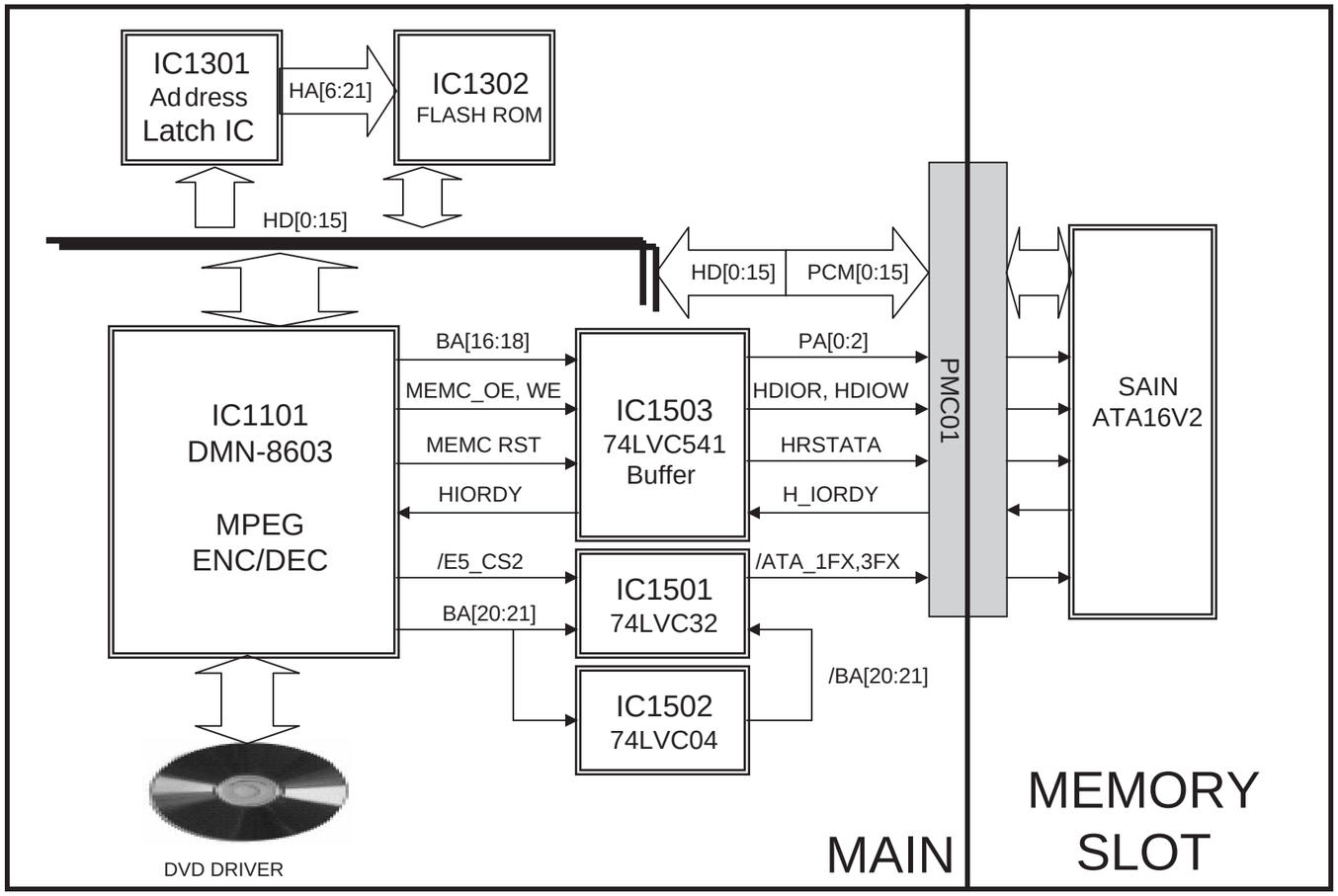
9. SCART BLOCK DIAGRAM(SCART MODEL ONLY)



10. HDMI BLOCK DIAGRAM (HDMI MODEL ONLY)



11. MEMORY BLOCK DIAGRAM (MEMORY SLOT MODEL ONLY)



CIRCUIT DIAGRAMS

1. POWER CIRCUIT DIAGRAM

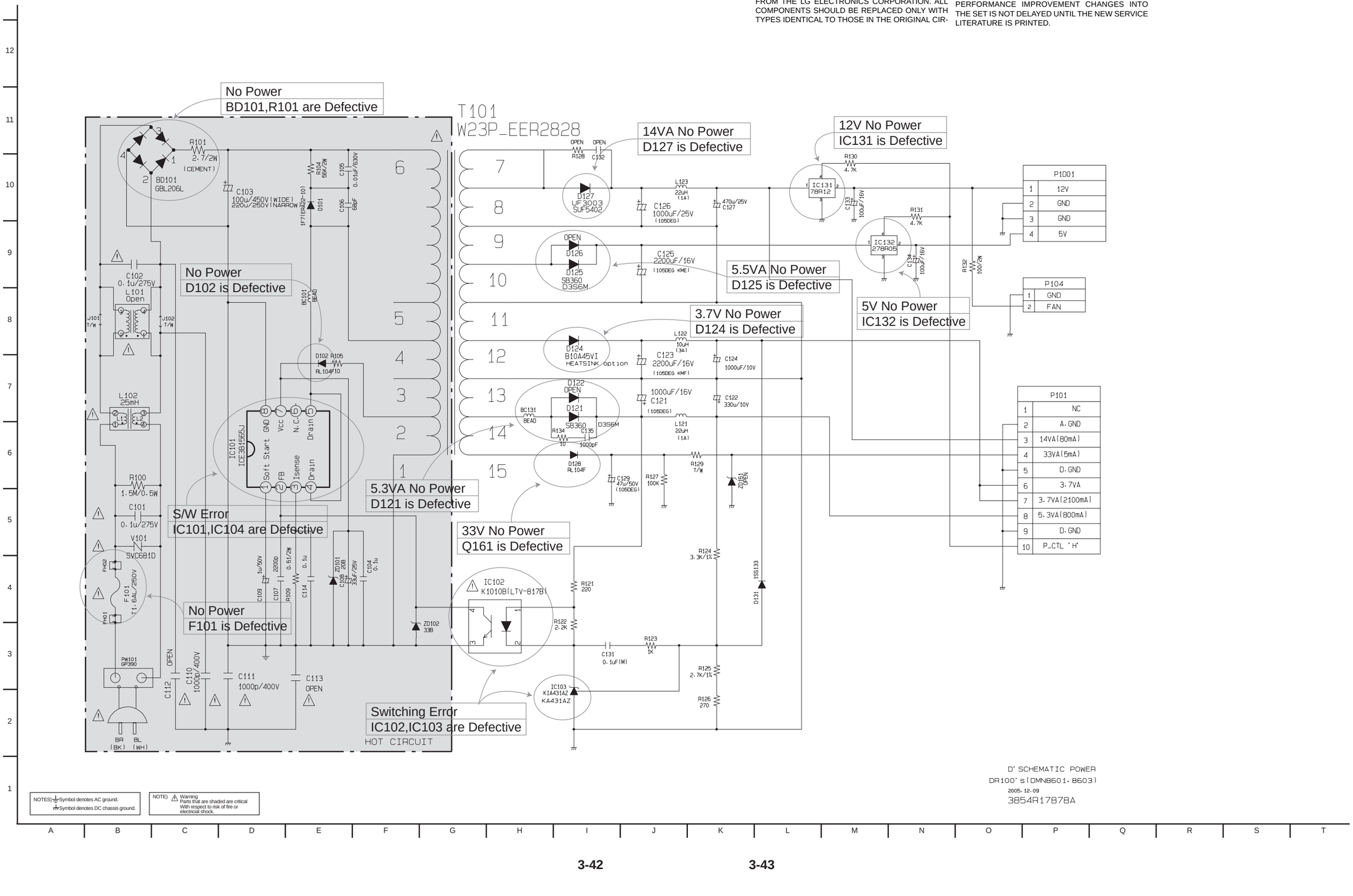
IMPORTANT SAFETY NOTICE

WHEN SERVICING THIS CHASSIS, UNDER NO CIRCUMSTANCES SHOULD THE ORIGINAL DESIGN BE MODIFIED OR ALTERED WITHOUT PERMISSION FROM THE LG ELECTRONICS CORPORATION. ALL COMPONENTS SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT. SPECIAL COMPONENTS ARE SHADED ON THE SCHEMATIC FOR EASY IDENTIFICATION.

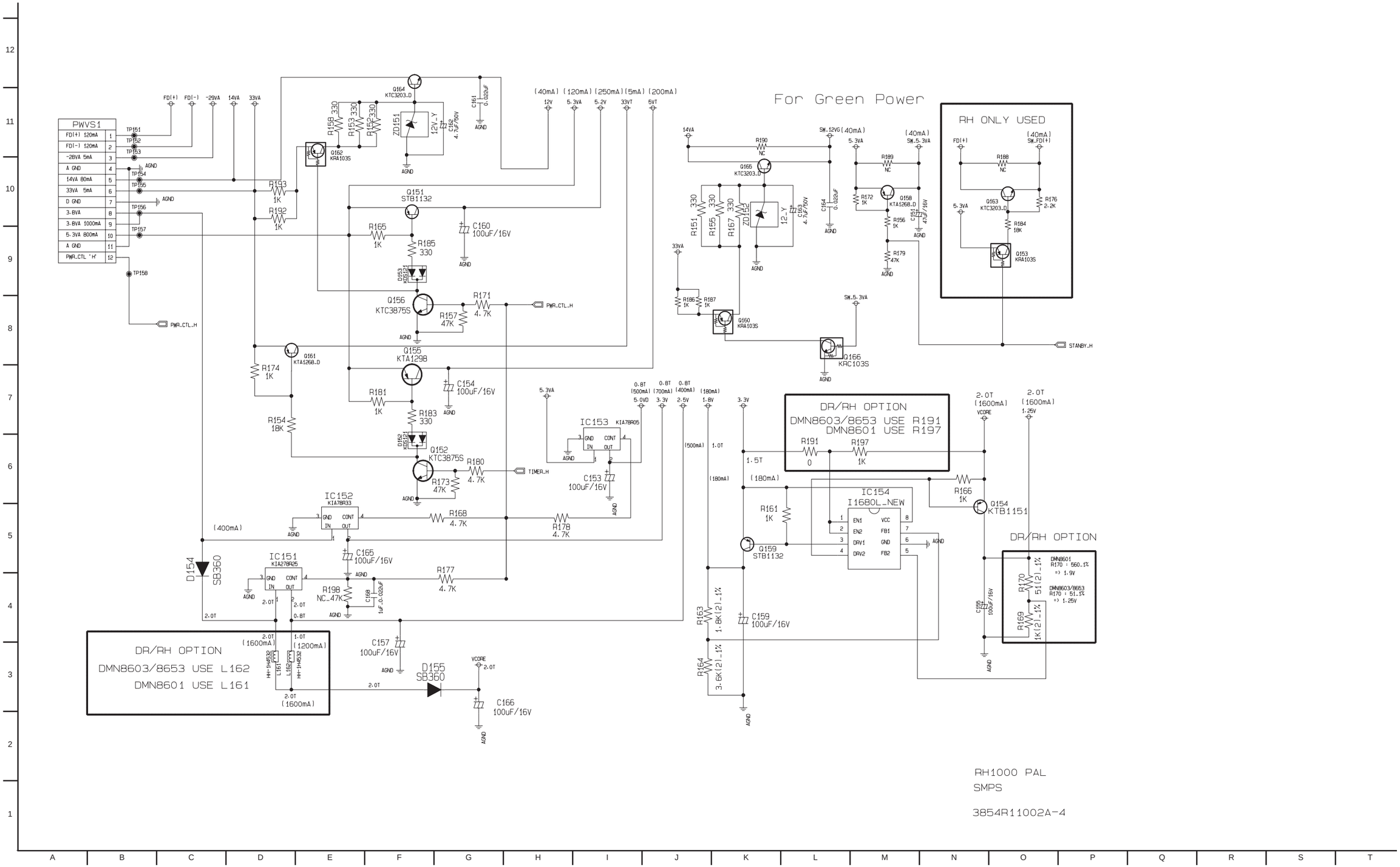
THIS CIRCUIT DIAGRAM MAY OCCASIONALLY DIFFER FROM THE ACTUAL CIRCUIT USED. THIS WAY, IMPLEMENTATION OF THE LATEST SAFETY AND PERFORMANCE IMPROVEMENT CHANGES INTO THE SET IS NOT DELAYED UNTIL THE NEW SERVICE LITERATURE IS PRINTED.

NOTE :

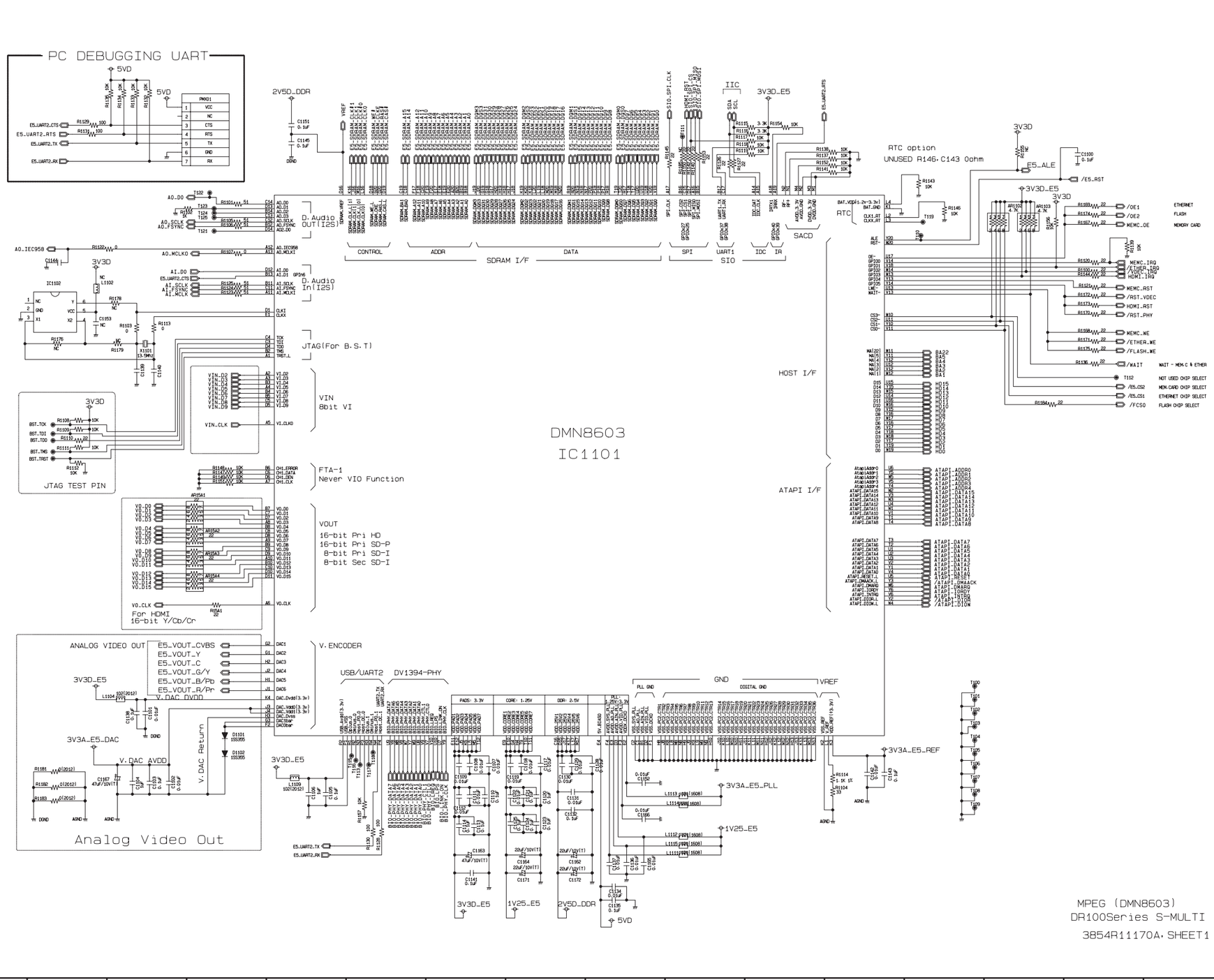
1. Shaded(■) parts are critical for safety. Replace only with specified part number.
2. Voltages are DC-measured with a digital voltmeter during Play mode.



2. MAIN POWER CIRCUIT DIAGRAM

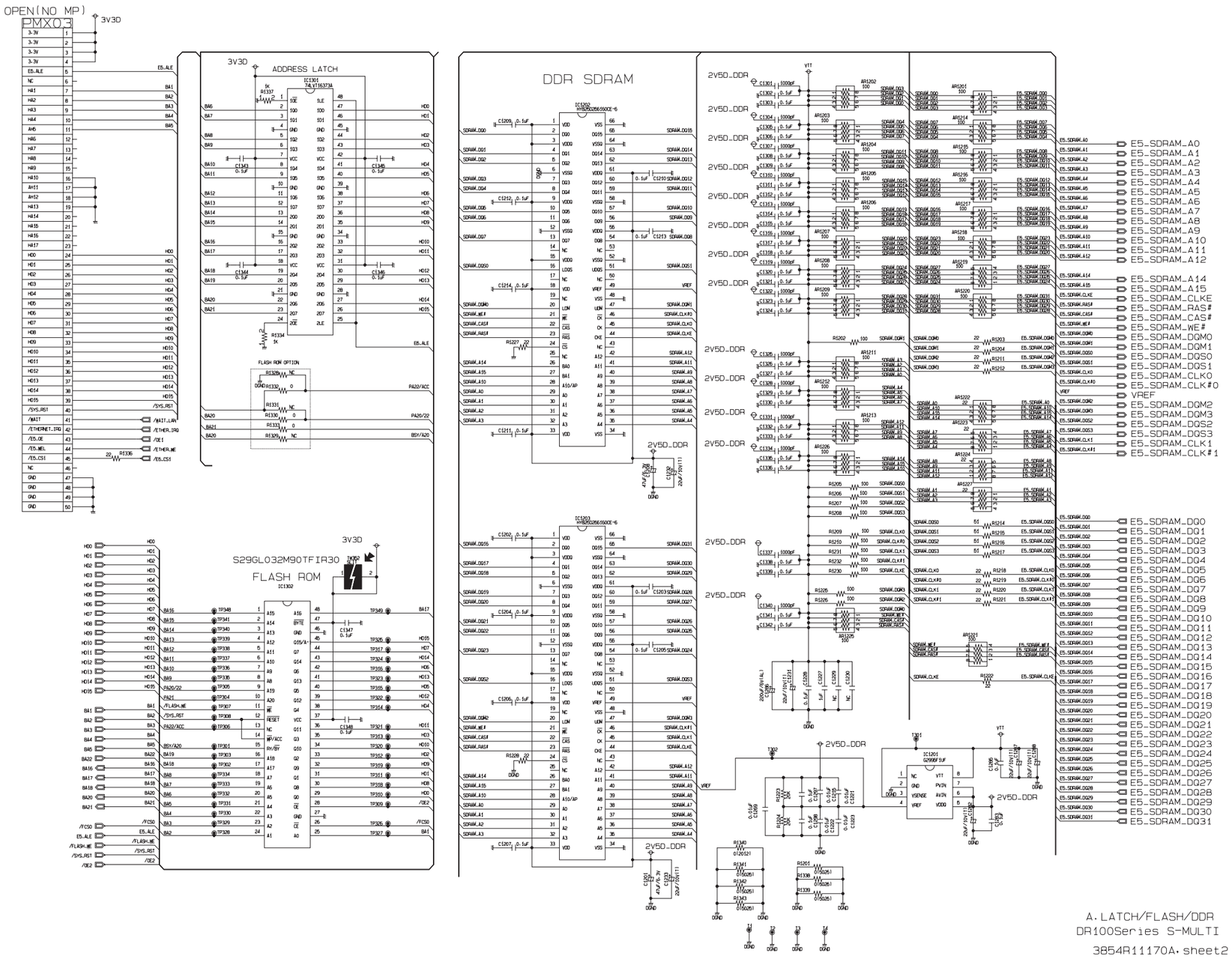


3. MPEG CIRCUIT DIAGRAM

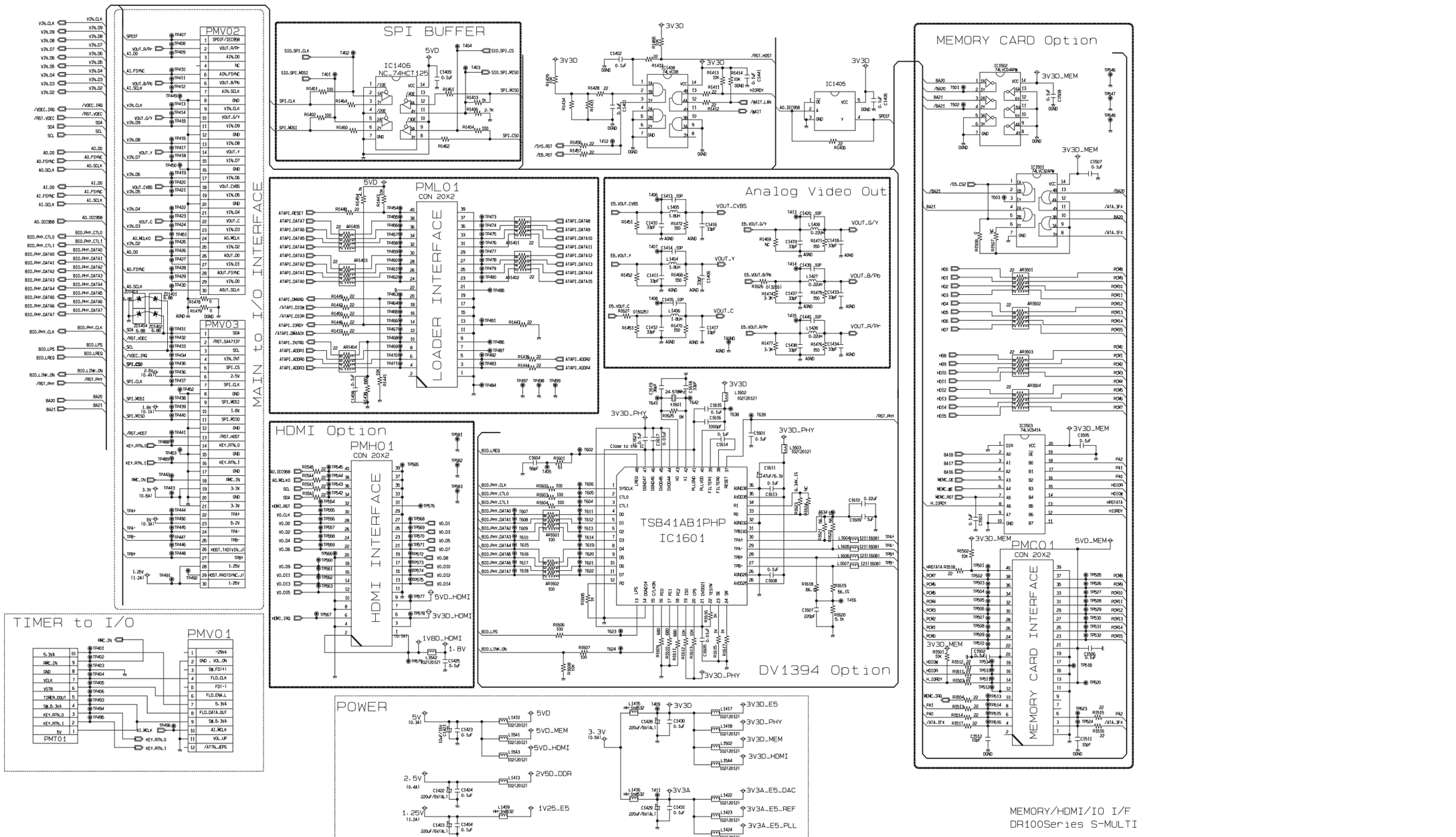


MPEG (DMN8603)
DR100Series S-MULTI
3854R11170A, SHEET1

4. A.LATCH/FLASH/DDR CIRCUIT DIAGRAM



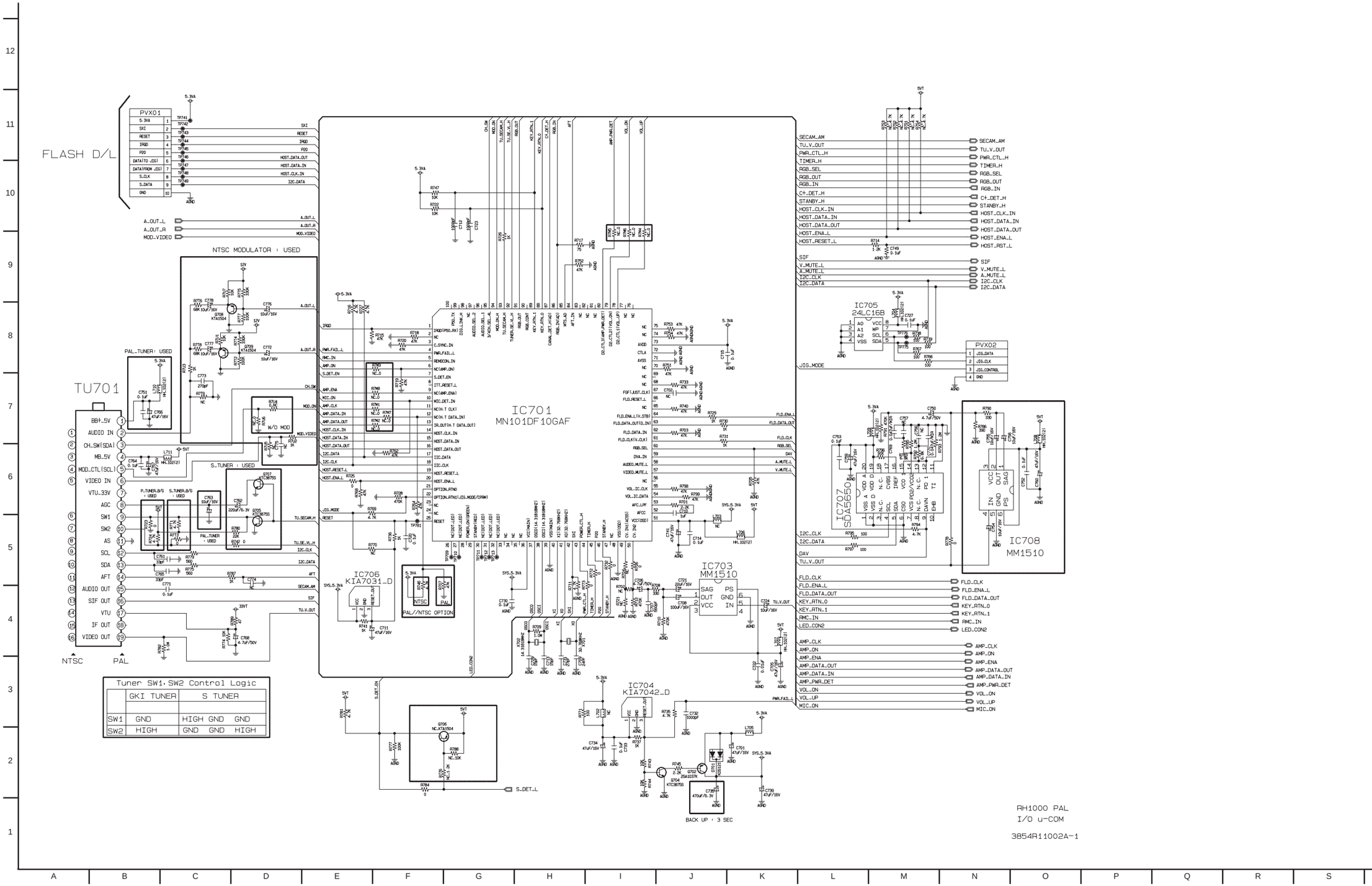
5. LOADER/DV CIRCUIT DIAGRAM



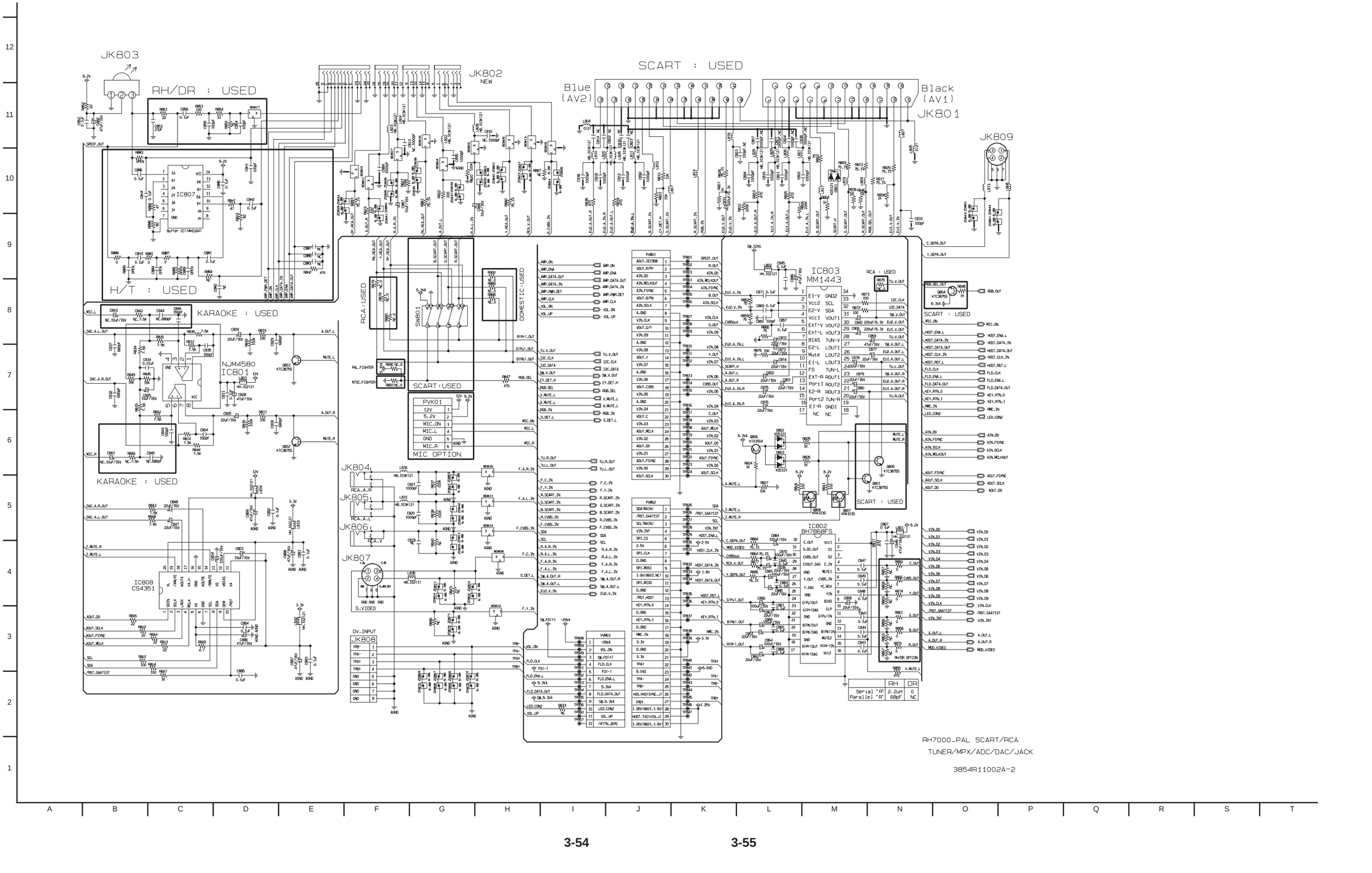
MEMORY/HDMI/IO I/F
DR100Series S-MULTI

3854R11170A.Sheet3

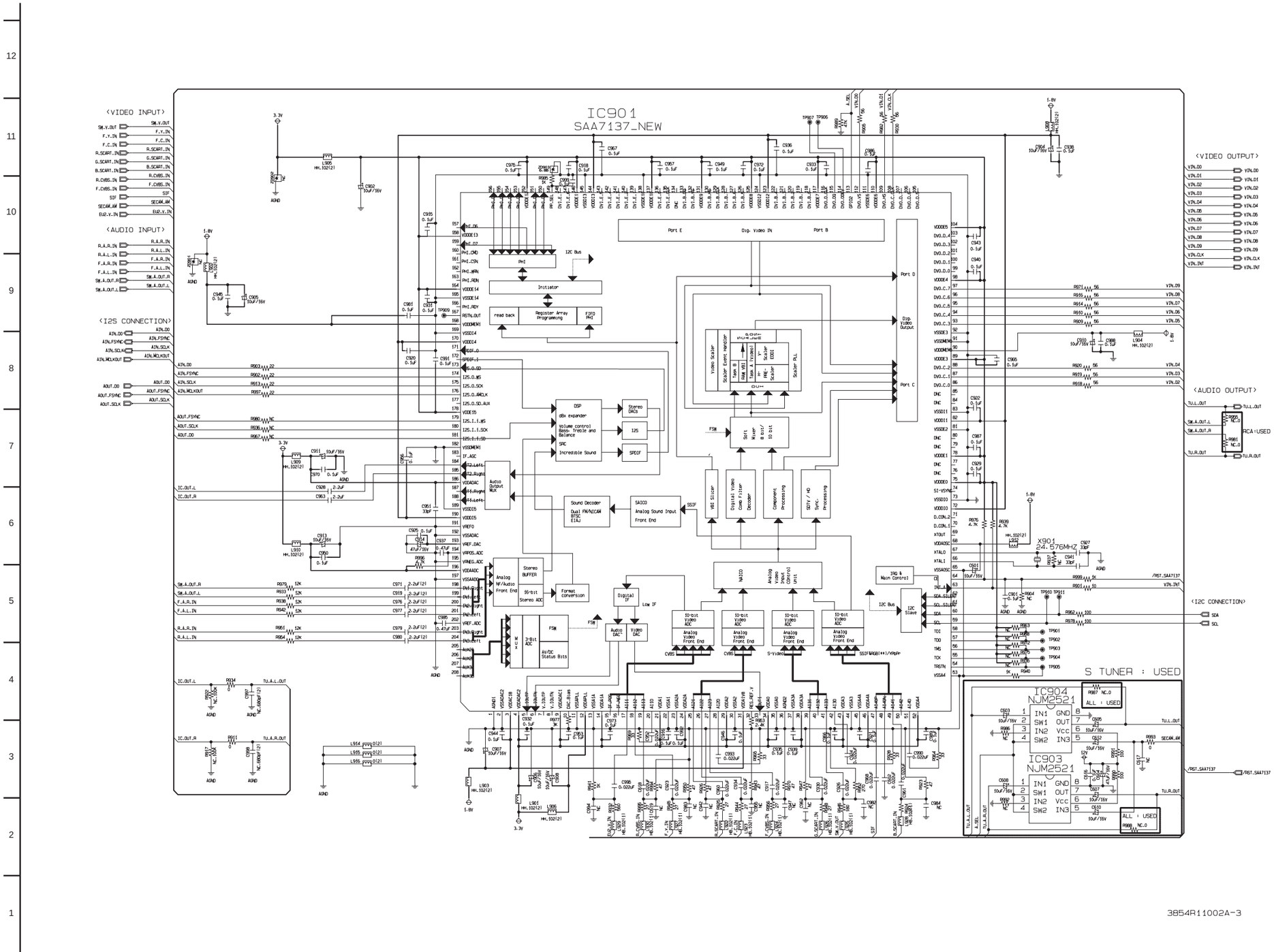
6. I/O µ-COM CIRCUIT DIAGRAM



7. TUNER/MPX/ADC/DAC/JACK CIRCUIT DIAGRAM

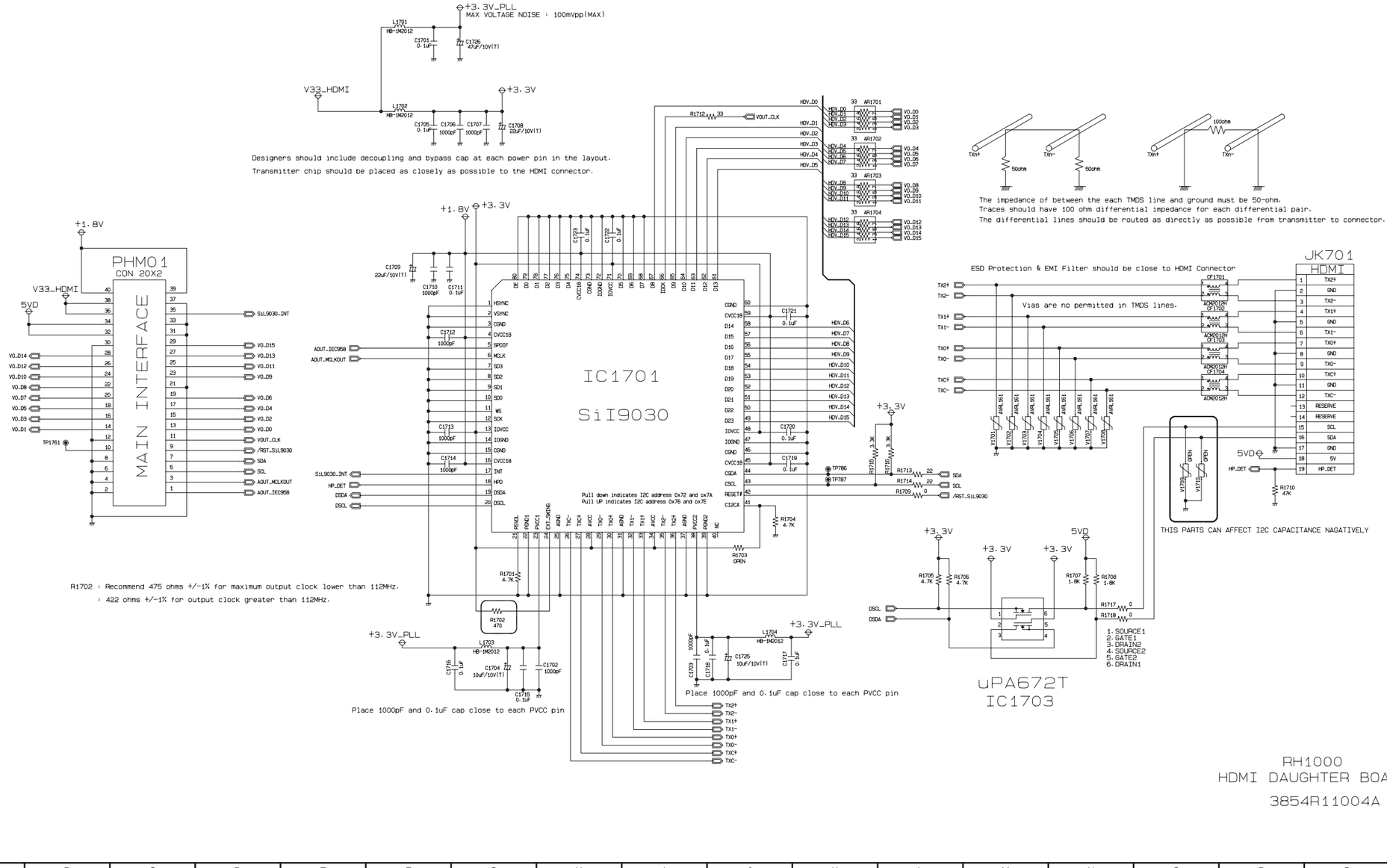


8. DECODER CIRCUIT DIAGRAM

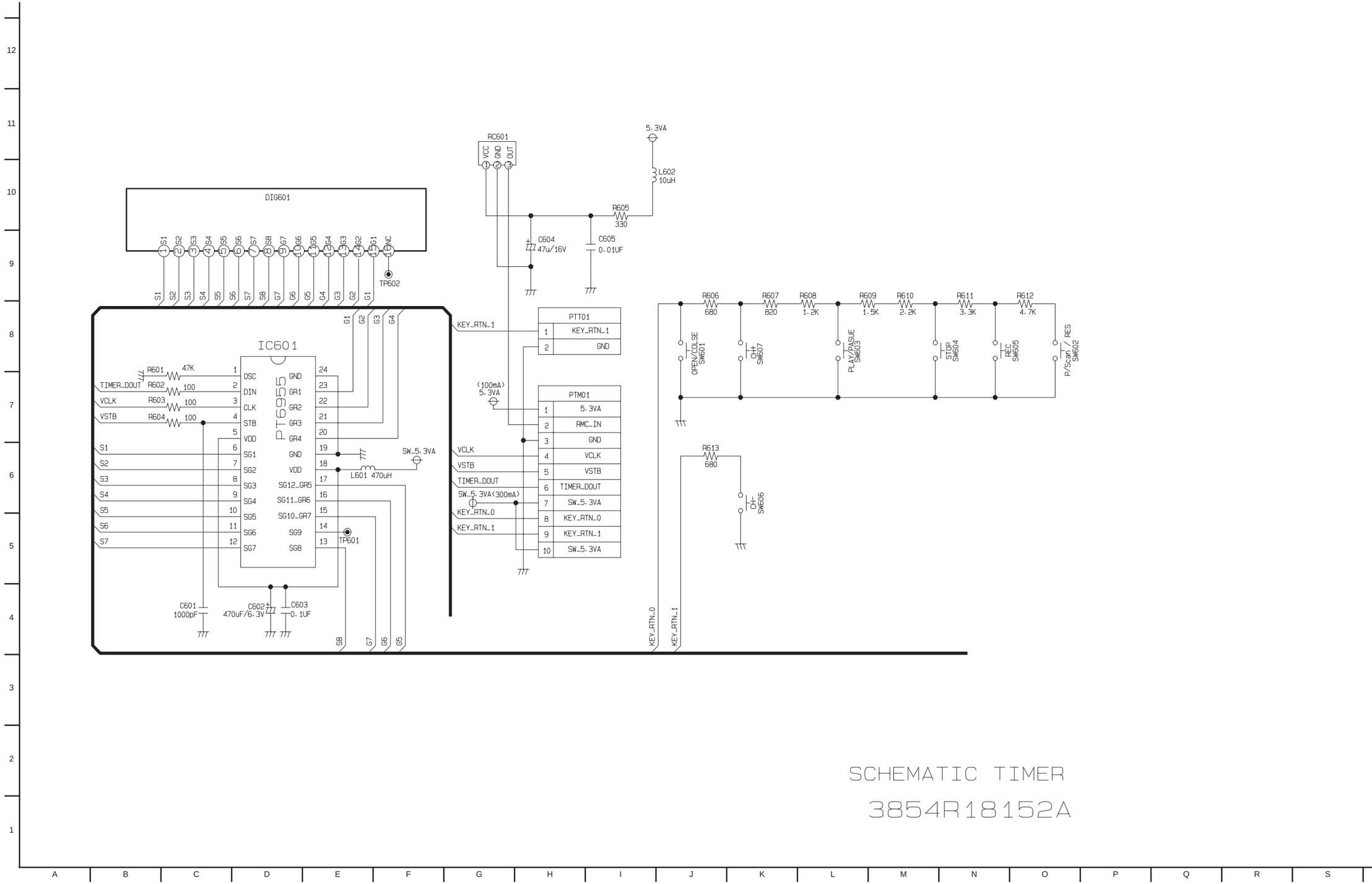


9. HDMI CIRCUIT DIAGRAM

December/15/2005
PCB P/N:6870R1884AA



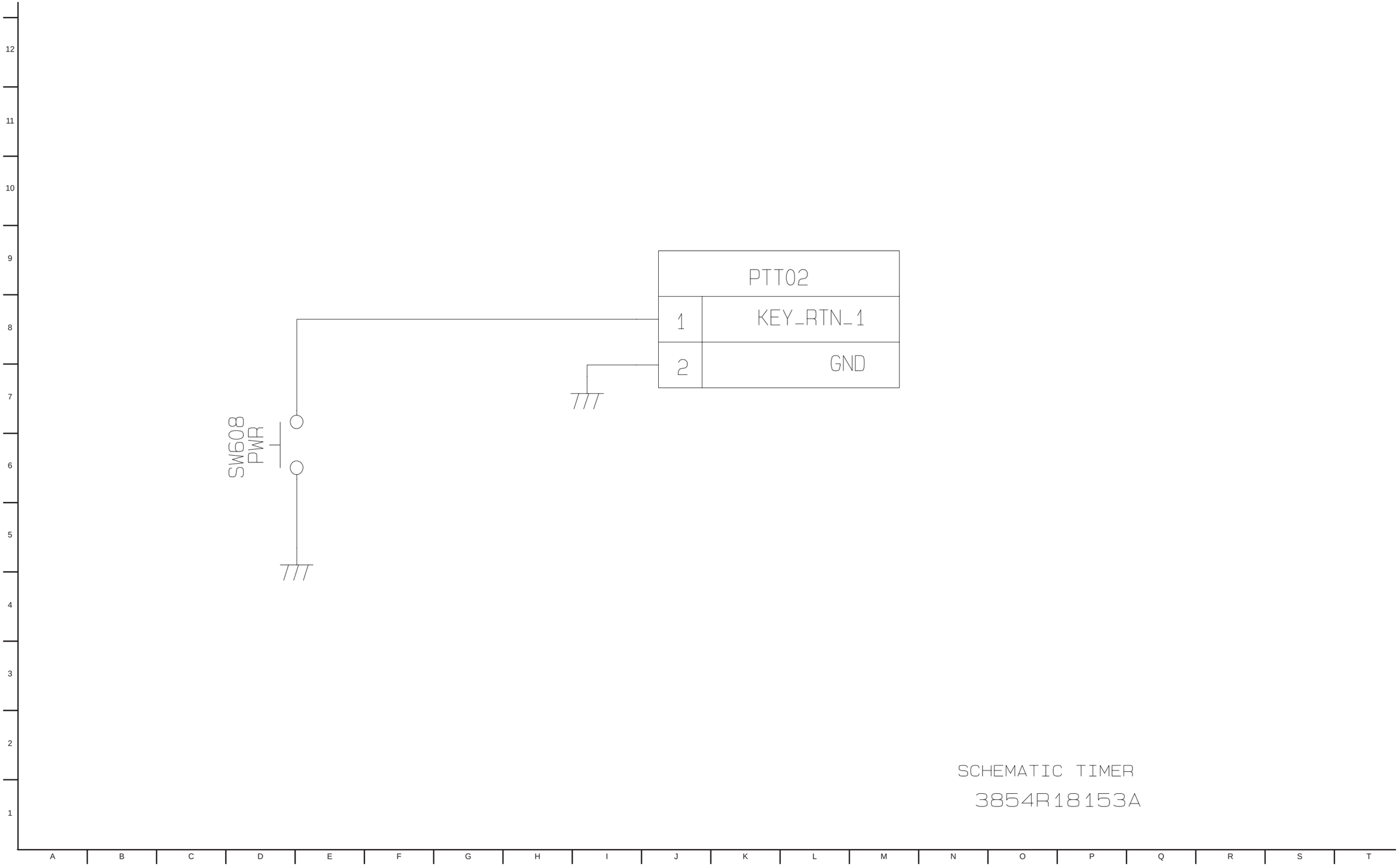
10. TIMER CIRCUIT DIAGRAM



SCHEMATIC TIMER

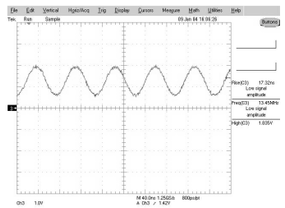
3854R18152A

11. KEY CIRCUIT DIAGRAM



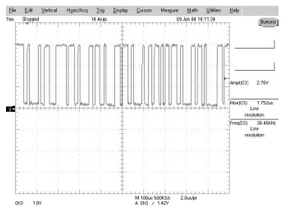
• WAVEFORMS

①



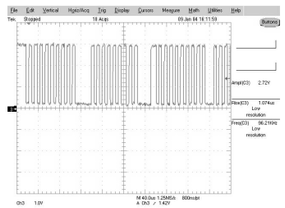
X1101
13.5 MHz

②



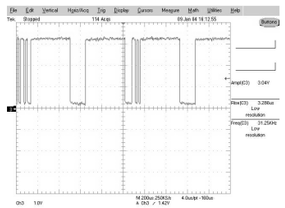
PMV03
PIN1
SDA

③



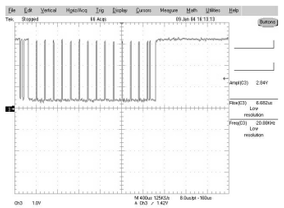
PMV03
PIN3
SCL

④



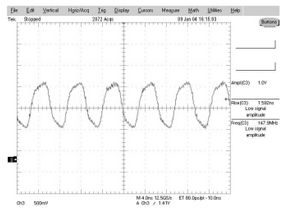
PMV03
PIN29
HOST_RXD

⑤



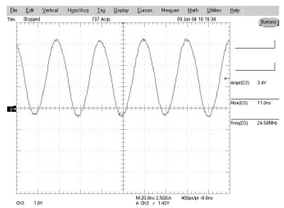
PMV03
PIN26
HOST_TXD

⑥



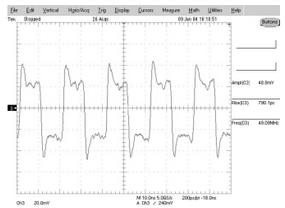
IC1202
PIN45
SDRAM_CLK1

⑦



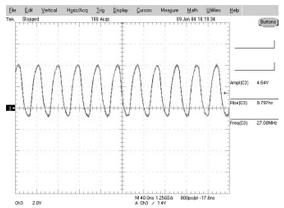
IC1601
24.576MHz

⑧



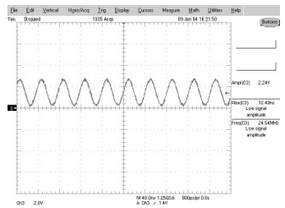
IC1601
PIN1
PHY_CLK

⑨



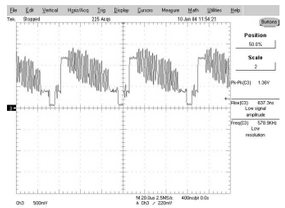
PMV02
PIN9
VIN_CLK

⑩



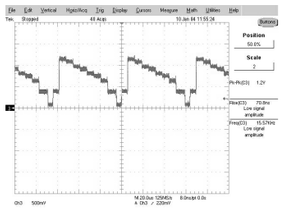
X901
14.31818MHz

⑪



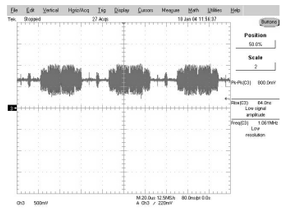
PMV02
PIN18
VOUT_CVBS

⑫



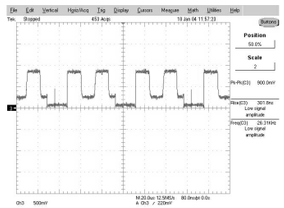
PMV02
PIN10
VOUT_G/Y

⑬



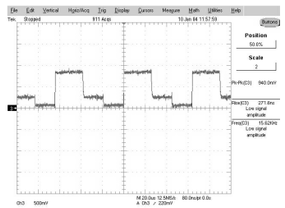
PMV02
PIN22
VOUT_C

⑭



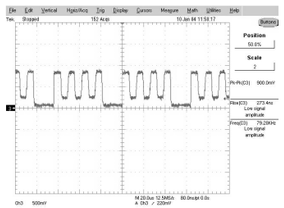
PMV02
PIN2
VOUT_R/Pr

⑭



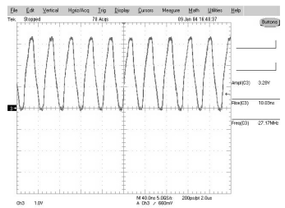
PMV02
PIN10
VOUT_G/Y

⑯



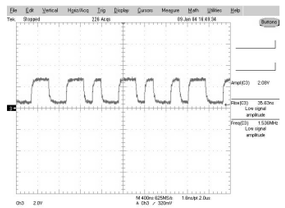
PMV02
PIN06
VOUT_B/Pb

⑰



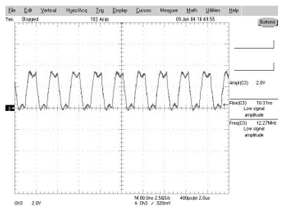
IC901
PIN108
27MHz

⑱



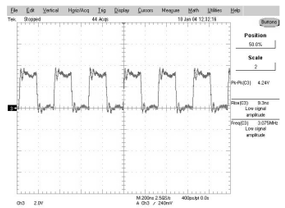
PMV02
PIN01
AOUT_IEC958

⑲



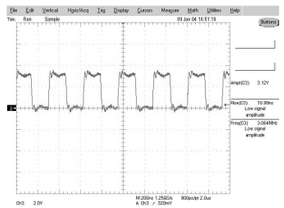
PMV02
PIN10
AIN_MCLKOUT

⑳



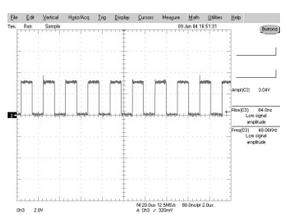
PMV02
PIN07
AIN_SCLK

㉑



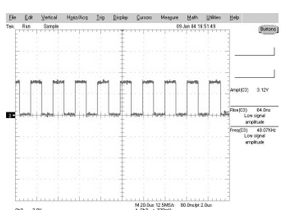
PMV02
PIN24
AOUT_MCLK

㉒



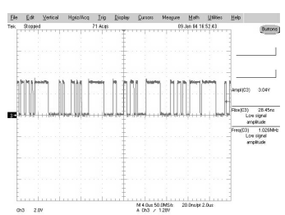
PMV02
PIN05
AIN_FSYNC

㉓



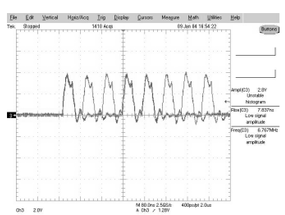
PMV02
PIN_FSYNC
AOUT_FSYNC

㉔



PMV02
PIN26
AOUT_D0

㉕



PMV02
PIN29
VIN_D0

• CIRCUIT VOLTAGE CHART

MODE / PIN NO.	EE	PB	REC
IC151_KIA78R25			
1	3.25	3.24	3.23
2	2.52	2.52	2.52
3	0.00	0.00	0.00
4	4.88	4.88	4.88
IC152_KIA78R33			
1	3.64	3.63	3.62
2	3.28	3.28	3.28
3	0.00	0.00	0.00
4	4.43	4.42	4.41
IC153_KIA78R05			
1	5.28	5.28	5.28
2	4.97	4.97	4.97
3	0.00	0.00	0.00
4	4.88	4.88	4.88
IC154_IP1680			
1	3.25	3.25	3.25
2	3.25	3.25	3.25
3	2.55	2.56	2.55
4	1.12	1.12	1.12
5	1.71	1.72	1.71
6	0.00	0.00	0.00
7	1.25	1.25	1.25
8	3.25	3.25	3.25
IC701_MN101DF10GAF			
1	0.00	0.00	0.00
2	5.12	5.12	5.12
3	0.00	0.00	0.00
4	4.80	4.80	4.80
5	4.86	4.86	4.87
6	0.01	0.01	0.01
7	5.13	5.13	5.13
8	5.15	5.15	5.16
9	0.01	0.01	0.01
10	0.00	0.00	0.00
11	5.16	5.16	5.16
12	0.00	0.00	0.00
13	5.15	5.15	5.16
14	4.82	4.83	4.89
15	0.04	0.04	0.04
16	0.12	0.11	0.08
17	5.05	5.05	5.05
18	5.06	5.06	5.06
19	5.10	5.10	5.11
20	4.91	4.90	4.90
21	0.00	0.00	0.00
22	0.01	0.01	0.01
23	0.01	0.01	0.01
24	0.33	0.31	0.14
25	5.16	5.16	5.16
26	0.05	0.05	0.05
27	0.00	0.00	0.22
28	5.16	5.16	5.16
29	0.01	0.01	0.01
30	0.01	0.01	0.01

MODE / PIN NO.	EE	PB	REC
31	0.01	0.01	0.01
32	0.01	0.01	0.01
33	0.31	0.32	0.15
34	0.33	0.32	0.16
35	0.01	0.01	0.01
36	5.16	5.16	5.16
37	2.53	2.52	2.54
38	2.43	2.42	2.42
39	0.00	0.00	0.00
40	1.99	1.95	1.95
41	2.55	2.55	2.55
42	0.00	0.00	0.00
43	4.88	4.89	4.89
44	4.89	4.90	4.90
45	0.01	0.01	0.01
46	0.64	0.63	0.63
47	0.01	0.01	0.01
48	0.00	0.00	0.00
49	1.04	1.04	1.04
50	2.78	2.90	2.89
51	5.13	5.13	5.13
52	3.01	3.04	3.05
53	2.54	2.54	2.54
54	5.10	5.10	5.10
55	5.10	5.10	5.10
56	0.01	0.01	0.01
57	5.09	5.09	5.09
58	5.00	5.00	5.01
59	5.25	5.02	5.00
60	0.00	0.00	0.00
61	4.94	4.94	4.93
62	0.00	0.00	0.00
63	0.82	0.81	0.81
64	4.83	4.82	4.82
65	0.00	0.00	0.00
66	0.00	0.00	0.00
67	0.00	0.00	0.00
68	0.00	0.00	0.00
69	0.00	0.00	0.00
70	0.00	0.00	0.00
71	0.00	0.00	0.00
72	0.00	0.00	0.00
73	5.25	5.25	5.25
74	0.00	0.00	0.00
75	0.00	0.00	0.00
76	0.01	0.01	0.00
77	0.01	0.01	0.01
78	0.01	0.01	0.01
79	0.01	0.01	0.01
80	0.01	0.01	0.01
81	0.01	0.01	0.01
82	0.24	0.19	0.14
83	0.24	0.19	0.15
84	1.94	1.92	1.93
85	0.00	0.00	0.00

MODE / PIN NO.	EE	PB	REC
86	0.00	0.00	0.00
87	0.00	0.00	0.00
88	5.25	5.25	5.25
89	5.25	5.25	5.25
90	0.01	0.01	0.01
91	0.01	0.01	0.01
92	0.02	0.02	0.02
93	0.01	0.01	0.01
94	0.01	0.01	0.01
95	0.01	0.01	0.01
96	5.16	5.16	5.16
97	0.01	0.01	0.01
98	0.01	0.01	0.01
99	0.01	0.01	0.01
100	5.16	5.16	5.16
IC703_MM1510			
1	2.24	2.24	2.24
2	2.37	2.37	2.38
3	5.13	5.13	5.13
4	1.87	1.87	1.87
5	0.00	0.00	0.00
6	5.13	5.13	5.13
IC704_KIA7042			
1	5.21	5.21	5.21
2	0.00	0.00	0.00
3	4.80	4.80	4.80
IC705_24LC16B			
1	0.00	0.00	0.00
2	0.00	0.00	0.00
3	0.00	0.00	0.00
4	0.00	0.00	0.00
5	5.05	5.05	5.06
6	5.06	5.06	5.06
7	0.00	0.00	0.00
8	5.25	5.25	5.25
IC706_KIA7031			
1	5.17	5.17	5.17
2	0.00	0.00	0.00
3	5.17	5.16	5.16
IC707_SDA5650			
1	0.00	0.00	0.00
2	0.00	0.00	0.00
3	0.00	0.00	0.00
4	5.06	5.06	5.06
5	5.05	5.05	5.06
6	0.00	0.00	0.00
7	0.42	0.42	0.42
8	0.00	0.00	0.00
9	5.25	5.01	5.00
10	2.80	2.79	2.81
11	0.00	0.00	0.00
12	2.47	2.48	2.48
13	0.00	0.00	0.00
14	2.49	2.48	2.49
15	2.47	2.48	2.49

MODE / PIN NO.	EE	PB	REC
16	1.57	1.56	1.57
17	1.48	1.54	1.54
18	0.00	0.00	0.00
19	5.25	5.25	5.25
20	5.25	5.25	5.25
IC801_NJM4580			
1	6.06	6.06	6.07
2	6.06	6.06	6.07
3	6.05	6.05	6.05
4	0.00	0.00	0.00
5	6.05	6.05	6.05
6	6.06	6.06	6.06
7	6.06	6.06	6.06
8	12.12	12.12	12.12
IC802_BH7868FS			
1	5.19	5.19	5.19
2	0.05	0.06	0.06
3	0.05	0.06	0.06
4	2.28	2.27	2.27
5	5.00	5.00	5.00
6	1.78	1.60	1.60
7	5.14	5.14	5.15
8	1.78	1.58	1.54
9	2.27	2.27	2.27
10	0.00	0.00	0.00
11	1.77	1.57	1.56
12	0.00	0.00	0.00
13	2.25	2.25	2.25
14	5.00	5.00	5.00
15	2.24	2.27	2.27
16	5.19	5.19	5.20
17	2.31	2.35	2.34
18	2.32	2.37	2.35
19	0.00	0.00	0.00
20	2.32	2.30	2.32
21	2.33	2.32	2.32
22	0.00	0.00	0.00
23	1.90	1.51	1.46
24	2.29	1.79	1.71
25	0.00	0.00	0.00
26	1.91	1.52	1.45
27	2.31	1.81	1.75
28	0.00	0.00	0.00
29	1.98	1.57	1.49
30	2.39	1.85	1.79
31	0.06	0.06	0.06
32	2.39	2.37	2.37
IC803_MM1443			
1	2.74	2.74	2.74
2	12.15	12.15	12.15
3	2.74	2.74	2.74
4	12.15	12.15	12.15
5	3.06	3.22	3.18
6	5.75	5.75	5.75
7	5.76	5.76	5.76

MODE / PIN NO.	EE	PB	REC
8	5.70	5.70	5.70
9	0.01	0.01	0.01
10	5.70	5.70	5.70
11	11.55	11.55	11.55
12	5.75	5.75	5.75
13	0.01	0.01	0.01
14	5.70	5.70	5.70
15	0.01	0.01	0.01
16	5.70	5.70	5.70
17	0.00	0.00	0.00
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	5.70	5.70	5.70
21	5.81	5.81	5.81
22	5.81	5.80	5.80
23	5.74	5.74	5.73
24	5.70	5.70	5.70
25	5.80	5.80	5.80
26	5.80	5.80	5.80
27	5.73	5.73	5.73
28	3.31	3.26	3.33
29	2.47	2.62	2.35
30	2.47	2.62	2.35
31	1.88	1.88	1.80
32	5.05	5.05	5.05
33	5.07	5.07	5.07
34	0.00	0.00	0.00
IC808_CS4351			
1	1.61	1.61	1.62
2	1.62	1.62	1.61
3	1.62	1.62	1.62
4	1.63	1.63	1.63
5	3.17	3.17	3.17
6	0.00	0.00	0.00
7	3.08	3.08	3.08
8	3.03	3.03	3.03
9	3.23	3.23	3.23
10	3.21	3.20	3.20
11	3.22	3.22	3.22
12	1.25	1.25	1.25
13	4.12	4.12	4.12
14	12.12	12.12	12.12
15	4.11	4.11	4.11
16	0.00	0.00	0.00
17	12.13	12.13	12.13
18	4.12	4.12	4.12
19	12.12	12.12	12.12
20	3.23	3.22	3.22
IC901_SAA7317			
1	0.00	0.00	0.00
2	0.00	0.00	0.00
3	1.88	1.87	1.87
4	2.94	2.96	2.95
5	2.94	2.96	2.94
6	2.94	2.96	2.94

MODE / PIN NO.	EE	PB	REC
7	2.94	2.96	2.94
8	2.94	2.96	2.94
9	2.94	2.95	2.94
10	1.13	1.13	1.16
11	0.00	0.00	0.00
12	2.95	2.97	2.95
13	0.00	0.00	0.00
14	2.94	2.96	2.93
15	0.17	0.89	0.37
16	0.17	0.75	0.37
17	0.57	1.90	0.59
18	0.57	0.40	0.63
19	0.58	0.78	0.71
20	0.00	0.99	2.36
21	2.94	2.96	2.94
22	0.00	0.00	0.00
23	0.00	0.00	0.00
24	2.94	2.96	2.93
25	0.58	0.60	0.57
26	0.58	0.57	0.57
27	0.57	0.47	0.47
28	1.00	1.00	1.00
29	2.94	2.96	2.93
30	0.00	0.00	0.00
31	1.88	1.87	1.87
32	0.00	0.01	0.01
33	0.00	0.01	0.01
34	2.94	2.96	2.93
35	0.00	0.00	0.00
36	0.00	0.00	0.00
37	0.00	0.00	0.00
38	2.94	2.96	2.93
39	0.57	0.58	0.58
40	0.56	0.58	0.63
41	0.97	0.98	1.00
42	0.99	1.00	1.00
43	2.94	2.96	2.93
44	0.00	0.00	0.00
45	0.00	0.00	0.00
46	2.94	2.96	2.93
47	0.05	0.08	0.10
48	0.01	0.01	0.01
49	0.58	0.59	0.59
50	0.58	0.59	0.63
51	1.00	0.99	1.00
52	3.13	2.96	2.93
53	0.00	0.00	0.00
54	0.04	0.04	0.04
55	0.19	1.49	1.83
56	2.95	2.94	2.91
57	0.19	2.16	2.97
58	2.95	2.96	2.91
59	2.98	2.98	2.94
60	2.98	2.98	3.14
61	0.22	0.99	1.65

MODE / PIN NO.	EE	PB	REC
62	0.22	1.28	1.70
63	2.98	3.15	3.14
64	2.98	3.15	3.14
65	0.00	0.00	0.00
66	0.93	0.93	0.93
67	0.94	0.91	0.95
68	1.89	1.89	1.89
69	1.67	1.64	1.64
70	3.12	3.13	3.12
71	3.12	3.12	3.12
72	1.88	1.88	1.89
73	0.02	0.02	0.02
74	1.35	1.29	1.56
75	3.14	3.15	3.14
76	0.31	0.46	1.38
77	0.31	0.22	0.42
78	3.14	3.15	3.13
79	0.31	0.33	0.44
80	0.32	0.52	0.41
81	0.02	0.02	0.02
82	1.88	1.88	1.89
83	0.02	0.02	0.02
84	0.31	0.58	1.30
85	0.31	0.40	1.30
86	1.44	1.32	0.03
87	1.31	1.33	0.03
88	1.43	1.35	0.03
89	2.97	2.97	3.13
90	1.89	1.89	1.89
91	0.02	0.02	0.02
92	0.02	0.02	0.02
93	0.04	1.46	0.04
94	0.04	1.48	0.04
95	0.03	1.09	0.04
96	0.03	1.13	0.04
97	0.04	0.02	0.04
98	3.14	2.96	3.13
99	0.37	1.44	0.43
100	0.35	1.32	0.41
101	0.29	1.34	1.45
102	0.28	1.47	1.43
103	0.28	1.50	1.45
104	3.18	2.96	3.13
105	0.01	1.10	1.41
106	0.01	1.13	1.41
107	0.01	1.52	1.48
108	0.04	1.51	0.04
109	0.03	2.47	0.04
110	3.18	2.96	3.13
111	0.02	0.02	0.02
112	0.04	0.26	0.26
113	0.07	0.07	0.07
114	0.26	1.56	1.58
115	0.27	2.49	2.46
116	0.27	1.47	1.45

MODE / PIN NO.	EE	PB	REC
117	3.19	2.96	2.93
118	0.21	0.33	1.37
119	0.22	0.32	1.35
120	0.27	0.33	1.37
121	0.22	0.34	1.38
122	0.27	0.37	1.37
123	1.88	1.85	1.85
124	0.02	0.02	0.02
125	2.98	2.96	2.93
126	0.43	0.45	1.35
127	0.42	0.44	1.36
128	0.43	0.44	1.38
129	0.43	0.43	1.36
130	0.43	0.44	1.36
131	2.96	2.96	2.93
132	0.51	0.44	1.33
133	0.52	0.35	1.31
134	0.52	0.50	1.33
135	0.41	0.53	1.42
136	1.44	1.44	1.43
137	2.96	2.96	2.93
138	0.02	0.02	0.02
139	1.31	1.31	1.30
140	1.33	1.32	1.36
141	1.48	1.48	1.49
142	1.49	1.52	1.43
143	1.10	1.11	1.10
144	1.85	1.85	1.88
145	0.02	0.02	0.02
146	2.96	2.96	3.20
147	1.13	1.12	0.37
148	1.51	1.53	0.37
149	0.22	0.20	0.23
150	0.49	0.50	0.37
151	0.49	0.45	0.37
152	3.13	2.96	3.20
153	0.52	0.54	0.37
154	0.53	0.38	0.37
155	0.53	0.41	0.35
156	0.53	0.40	1.44
157	0.59	0.52	1.42
158	3.13	2.97	2.93
159	0.51	0.52	1.53
160	0.51	0.52	1.43
161	0.55	0.52	1.40
162	0.59	0.52	1.45
163	0.62	0.52	1.34
164	3.13	2.97	2.93
165	0.02	0.02	0.02
166	0.60	0.54	1.34
167	0.02	0.02	0.02
168	1.88	1.87	1.05
169	0.02	0.02	0.02
170	1.85	1.85	1.87
171	1.50	1.56	1.88

MODE / PIN NO.	EE	PB	REC
172	1.35	1.37	1.68
173	1.27	1.32	1.10
174	1.49	1.49	1.49
175	1.51	1.51	1.49
176	2.98	2.99	2.95
177	2.95	2.95	2.92
178	2.96	2.97	2.93
179	1.50	1.50	1.48
180	1.50	1.51	1.49
181	1.52	1.50	1.48
182	0.02	0.02	0.02
183	0.01	0.01	0.01
184	1.45	1.46	1.46
185	1.45	1.46	1.45
186	2.96	2.97	2.93
187	1.46	1.46	1.45
188	1.46	1.46	1.46
189	0.02	0.02	0.02
190	1.85	1.82	1.85
191	0.00	0.00	0.00
192	0.00	0.00	0.00
193	1.45	1.47	1.44
194	2.96	2.97	2.93
195	0.00	0.00	0.00
196	2.96	2.97	2.93
197	0.00	0.00	0.00
198	1.44	1.44	1.43
199	1.44	1.45	1.43
200	1.44	1.44	1.42
201	1.44	1.45	1.43
202	1.48	1.48	1.46
203	1.44	1.44	1.43
204	1.44	1.44	1.43
205	0.56	1.46	1.16
206	0.57	1.45	1.25
207	0.57	1.46	1.24
208	0.57	1.64	1.12
IC903_NJM2521			
1	7.10	7.09	7.08
2	0.01	0.01	0.01
3	7.22	7.20	7.18
4	0.01	0.01	0.01
5	7.22	7.21	7.19
6	10.70	10.69	10.69
7	7.46	7.45	7.43
8	0.00	0.00	0.00
IC904_NJM2521			
1	7.10	7.09	7.07
2	0.01	0.01	0.01
3	7.22	7.21	7.19
4	0.01	0.01	0.01
5	7.22	7.21	7.19
6	10.70	10.69	10.67
7	7.46	7.45	7.43
8	0.00	0.00	0.00

MODE / PIN NO.	EE	PB	REC
Q151_STB1132_5.2V			
E	5.27	5.27	5.27
C	5.21	5.21	5.21
B	4.52	4.52	4.52
Q155_KTA1271_5VT			
E	5.26	5.27	5.27
C	5.18	5.18	5.18
B	4.48	4.49	4.48
Q158_KTA1268_SW_5.3VA			
E	5.26	5.26	5.26
C	5.20	5.20	5.20
B	4.56	4.56	4.55
Q161_KTA1268_33VT			
E	33.90	33.90	34.00
C	33.80	33.80	33.90
B	33.40	33.30	33.30
Q164_KTC3202_12V			
E	12.12	12.12	12.12
C	12.99	12.99	12.99
B	12.74	12.74	12.74
Q165_KTC3203_SW_12VG			
E	12.16	16.16	12.15
C	12.99	12.98	12.99
B	112.79	12.79	12.80
IC301			
1	0 (GND)	0 (GND)	0 (GND)
2	0.09	0.09	0.09
3	0.09	0.09	0.09
4	0 (GND)	0 (GND)	0 (GND)
5	0.09	0.09	0.09
6	0.09	0.09	0.09
7	3.24	2.65	3.22
8	0.09	0.09	0.09
9	0.09	0.09	0.09
10	0 (GND)	0 (GND)	0 (GND)
11	0.09	0.09	0.09
12	0.09	0.09	0.09
13	0.09	0.09	0.09
14	0.09	0.09	0.09
15	0 (GND)	0 (GND)	0 (GND)
16	0.09	0.09	0.09
17	0.09	0.09	0.09
18	3.24	3.24	3.22
19	0.09	0.09	0.09
20	0.09	0.09	0.09
21	0 (GND)	0 (GND)	0 (GND)
22	0.09	0.09	0.09
23	0.09	0.09	0.09
24	0 (GND)	0 (GND)	0 (GND)
25	0.00	0.00	0.00
26	0.00	0.00	0.00
27	0.00	0.00	0.00
28	0 (GND)	0 (GND)	0 (GND)
29	0.00	0.00	0.00
30	0.00	0.00	0.00

MODE / PIN NO.	EE	PB	REC
31	3.24	3.24	3.22
32	0.00	0.00	0.00
33	0.00	0.00	0.00
34	0 (GND)	0 (GND)	0 (GND)
35	0.00	0.00	0.00
36	0.00	0.00	0.00
37	0.00	0.00	0.00
38	0.00	0.00	0.00
39	0 (GND)	0 (GND)	0 (GND)
40	0.00	0.00	0.00
41	0.00	0.00	0.00
42	3.24	3.24	3.22
43	0.00	0.00	0.00
44	0.00	0.00	0.00
45	0 (GND)	0 (GND)	0 (GND)
46	0.00	0.00	0.00
47	0.00	0.00	0.00
48	0.00	0.00	0.00
IC202/203			
1	2.39	2.36	2.36
2	1.13	1.05	1.13
3	2.39	2.36	2.36
4	1.13	1.06	1.11
5	1.15	1.06	1.15
6	0.00	0.00	0.00
7	1.14	1.09	1.14
8	1.14	1.12	1.12
9	2.39	2.35	2.34
10	1.14	1.09	1.10
11	1.14	1.09	1.10
12	0.00	0.00	0.00
13	1.14	1.13	1.13
14	0.00	0.00	0.00
15	2.39	2.35	2.35
16	1.18	1.16	1.16
17	1.14	1.11	1.14
18	2.39	2.37	2.36
19	0.00	0.00	0.00
20	0.60	0.60	0.60
21	1.78	1.76	1.75
22	1.78	1.71	1.71
23	1.78	1.75	1.75
24	0.00	0.00	0.00
25	0.00	0.00	0.00
26	1.19	1.19	1.19
27	1.19	1.19	1.19
28	1.15	1.11	1.12
29	1.16	1.12	1.12
30	1.16	1.13	1.13
31	1.16	1.13	1.13
32	1.18	1.17	1.17
33	2.39	2.36	2.36
34	0.00	0.00	0.00
35	1.18	1.17	1.17
36	1.18	1.17	1.17

MODE / PIN NO.	EE	PB	REC
37	1.17	1.17	1.17
38	1.18	1.17	1.17
39	1.19	1.17	1.17
40	1.18	1.16	1.16
41	1.15	1.11	1.11
42	1.16	1.12	1.14
43	0.00	0.00	0.00
44	1.82	1.80	1.80
45	1.21	1.20	1.20
46	1.18	1.17	1.17
47	0.60	0.59	0.60
48	0.00	0.00	0.00
49	1.19	1.18	1.18
50	0.00	0.00	0.00
51	1.18	1.16	1.16
52	0.00	0.00	0.00
53	0.00	0.00	0.00
54	1.14	1.06	1.14
55	2.39	2.36	2.36
56	1.15	1.06	1.06
57	1.15	1.05	1.05
58	0.00	0.00	0.00
59	1.14	1.06	1.06
60	1.14	1.06	1.06
61	2.39	2.37	2.36
62	1.16	1.12	1.12
63	1.14	1.04	1.04
64	0.00	0.00	0.00
65	1.15	1.05	1.05
66	0.00	0.00	0.00
IC204			
1	0.00	0.00	0.00
2	0.00	0.00	0.00
3	1.18	1.17	1.17
4	1.18	1.17	1.17
5	2.37	2.34	2.34
6	2.37	2.34	2.34
7	2.37	2.34	2.34
8	1.18	1.17	1.17
IC302			
1	0.00	0.00	0.00
2	0.00	0.00	0.00
3	0.00	0.00	0.00
4	0.00	0.00	0.00
5	0.00	0.00	0.00
6	0.00	0.00	0.00
7	0.00	0.00	0.00
8	0.00	0.00	0.00
9	3.21	3.22	3.21
10	0.00	0.00	0.00
11	3.23	3.24	3.22
12	3.12	3.13	3.11
13	0.00	0.00	0.00
14	3.22	3.23	3.21
15	0.00	0.00	0.00

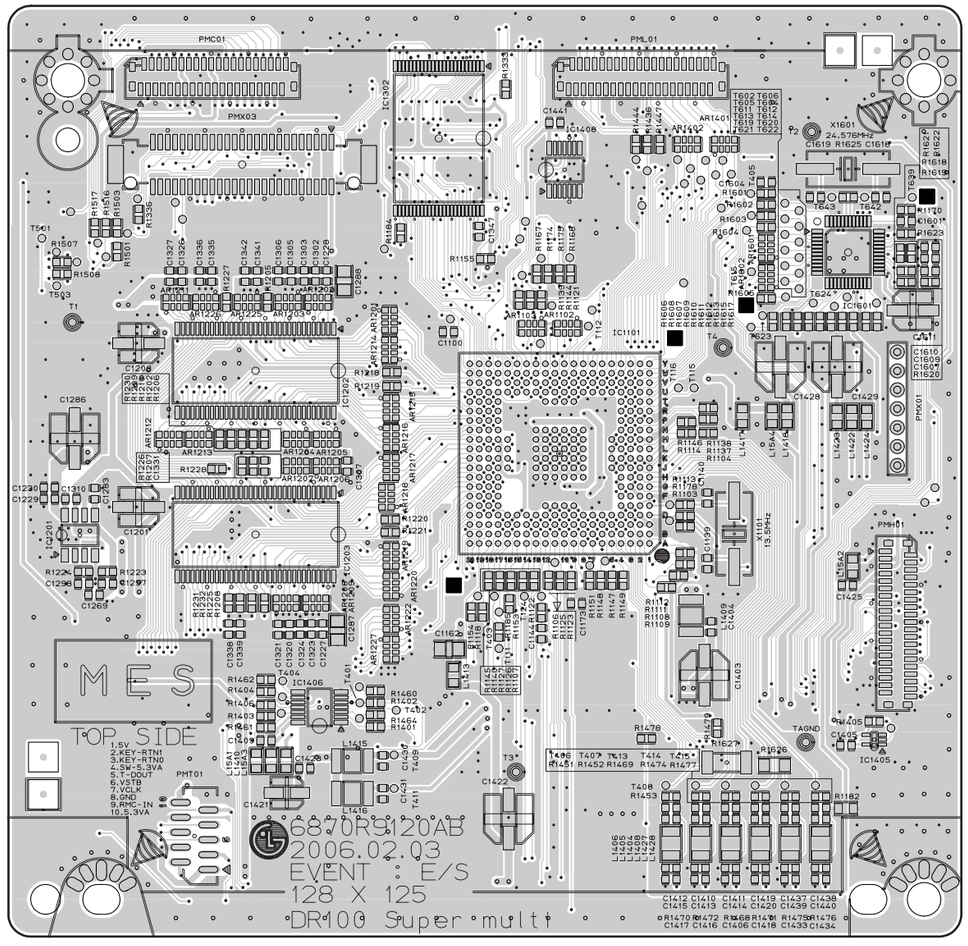
MODE / PIN NO.	EE	PB	REC
16	0.00	0.00	0.00
17	3.21	3.21	3.21
18	0.00	0.00	0.00
19	0.00	0.00	0.00
20	0.00	0.00	0.00
21	0.00	0.00	0.00
22	0.00	0.00	0.00
23	0.00	0.00	0.00
24	0.00	0.00	0.00
25	0.00	0.00	0.00
26	3.23	3.24	3.22
27	0.00	0.00	0.00
28	3.23	3.24	3.22
29	0.00	0.00	0.00
30	2.87	2.89	2.87
31	0.00	0.00	0.00
32	0.00	0.00	0.00
33	0.00	0.00	0.00
34	0.00	0.00	0.00
35	0.00	0.00	0.00
36	0.00	0.00	0.00
37	3.23	3.23	3.22
38	0.00	0.00	0.00
39	0.00	0.00	0.00
40	0.00	0.00	0.00
41	0.00	0.00	0.00
42	0.00	0.00	0.00
43	2.87	2.89	2.88
44	0.00	0.00	0.00
45	0.00	0.00	0.00
46	0.00	0.00	0.00
47	3.23	3.24	3.22
48	3.21	3.21	3.21
IC601			
25	3.22	3.22	3.22
26	0.00	0.00	0.00
27	1.80	1.80	1.80
28	1.80	1.80	1.80
29	1.84	1.84	1.84
30	1.84	1.84	1.84
31	1.85	1.85	1.83
32	0.00	0.00	0.00
33	0.03	0.03	0.03
34	1.23	1.23	1.23
35	3.22	3.22	3.22
36	0.00	0.00	0.00
37	3.23	3.23	3.23
38	0.03	0.03	0.03
39	1.23	1.23	1.23
40	3.23	3.23	3.23
41	0.00	0.00	0.00
42	1.42	1.42	1.42
43	1.42	1.42	1.42
44	3.23	3.23	3.23
45	3.23	3.23	3.23

MODE / PIN NO.	EE	PB	REC
46	0.00	0.00	0.00
47	0.00	0.00	0.00
48	0.03	0.03	0.03
IC304			
1	3.23	3.25	3.23
2	3.23	3.25	3.23
3	3.23	3.25	3.23
4	0 (GND)	0 (GND)	0 (GND)
5	0 (GND)	0 (GND)	0 (GND)
6	NC	NC	NC
7	0 (GND)	0 (GND)	0 (GND)
8	NC	NC	NC
9	0 (GND)	0 (GND)	0 (GND)
10	0 (GND)	0 (GND)	0 (GND)
11	NC	NC	NC
12	0 (GND)	0 (GND)	0 (GND)
13	0 (GND)	0 (GND)	0 (GND)
14	3.23	3.24	3.23
IC305			
1	0 (GND)	0 (GND)	0 (GND)
2	NC	NC	NC
3	3.23	3.24	3.22
4	0.00	0.00	0.00
5	0.00	0.00	0.00
6	3.23	3.24	3.23
7	0 (GND)	0 (GND)	0 (GND)
8	NC	NC	NC
9	0 (GND)	0 (GND)	0 (GND)
10	NC	NC	NC
11	0 (GND)	0 (GND)	0 (GND)
12	3.23	3.24	3.23
13	0.09	0.09	0.10
14	3.23	3.24	3.23
IC306			
1	0 (GND)	0 (GND)	0 (GND)
2	0 (GND)	0 (GND)	0 (GND)
3	NC	NC	NC
4	3.23	3.24	3.23
5	4.86	4.86	4.85
6	3.24	3.24	3.23
7	0 (GND)	0 (GND)	0 (GND)
8	3.23	3.24	3.23
9	3.23	3.24	3.23
10	3.23	3.23	3.23
11	3.23	3.24	3.23
12	3.14	3.01	3.11
13	3.14	3.04	3.12
14	3.23	3.24	3.23
IC503			
1	0.00	0.00	0.00
2	3.24	3.24	3.23
3	3.24	3.24	3.23
4	0.00	0.00	0.00
5	3.24	3.24	3.23
6	3.23	3.23	3.23

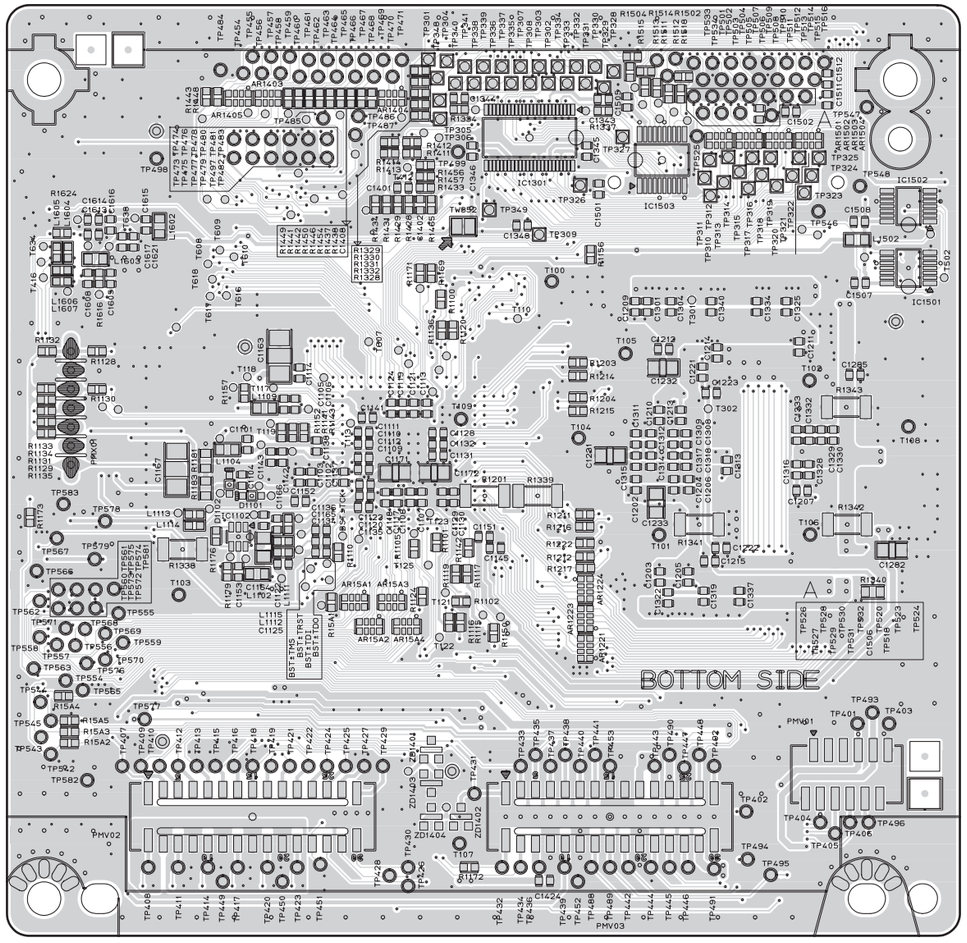
MODE / PIN NO.	EE	PB	REC
7	0.00	0.00	0.00
8	3.24	3.24	3.23
9	NC	NC	NC
10	0.00	0.00	0.00
11	NC	NC	NC
12	3.30	3.30	3.31
13	3.30	3.30	3.31
14	3.31	3.31	3.31
15	3.31	3.31	3.31
16	3.31	3.31	3.31
17	3.31	3.31	3.31
18	3.31	3.31	3.31
19	3.23	3.23	3.23
20	3.23	3.23	3.23

PRINTED CIRCUIT DIAGRAMS

1. MAIN P.C.BOARD(TOP SIDE)

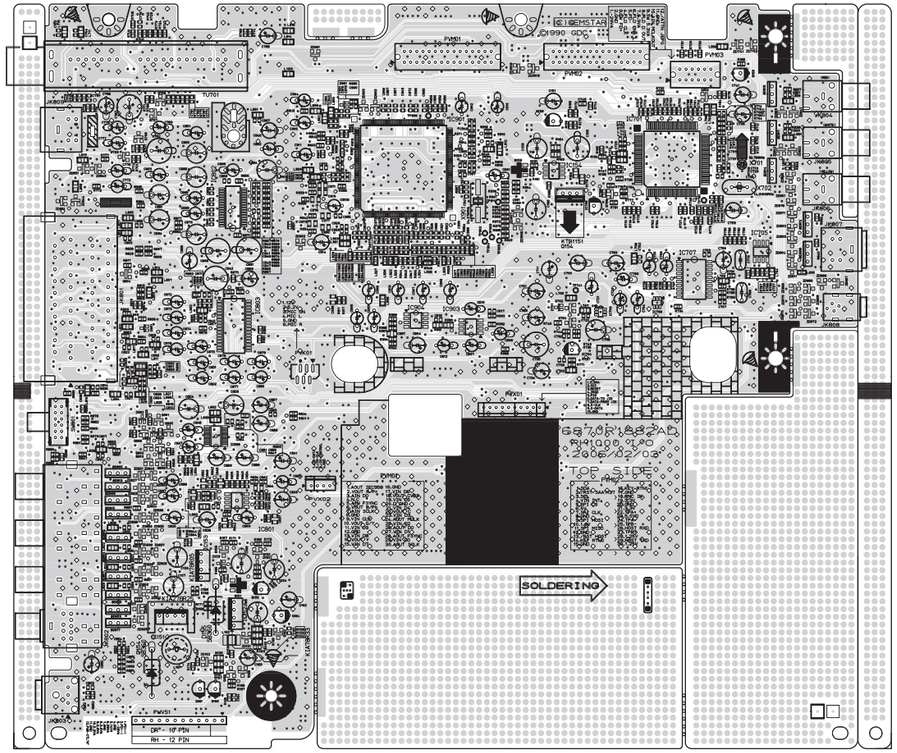


2. MAIN P.C.BOARD(BOTTOM SIDE)

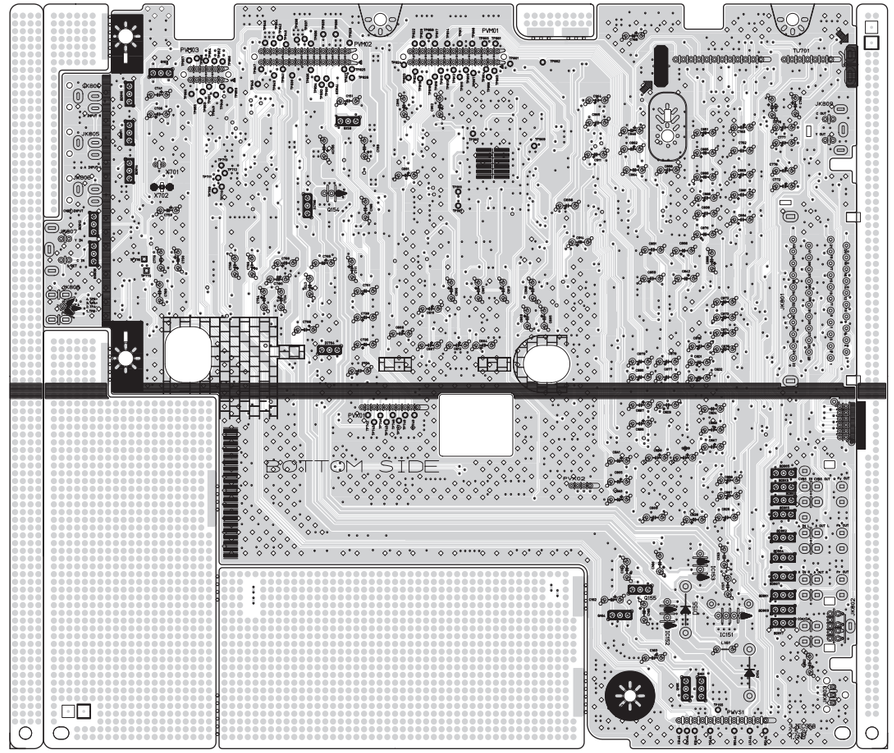


3. I/O P.C.BOARD

(TOP VIEW)

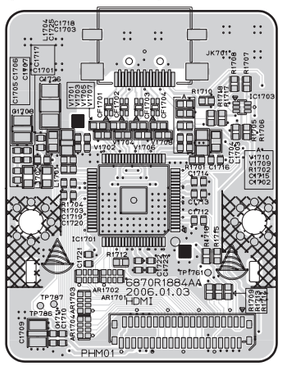


(BOTTOM VIEW)

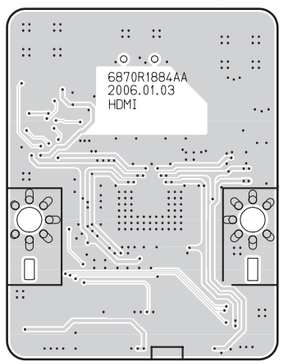


4. HDMI P.C.BOARD(OPTIONAL PARTS)

(TOP VIEW)

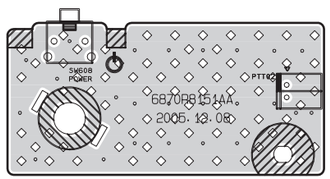


(BOTTOM VIEW)

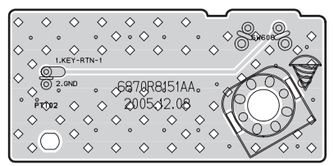


5. KEY P.C.BOARD

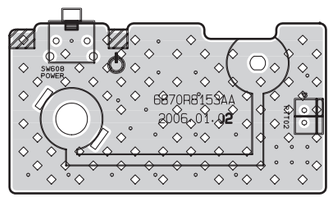
(6, 7 TOOL TOP VIEW)



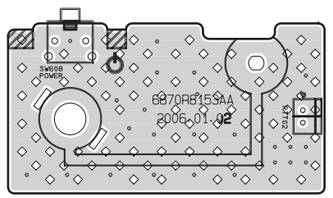
(6, 7 TOOL BOTTOM VIEW)



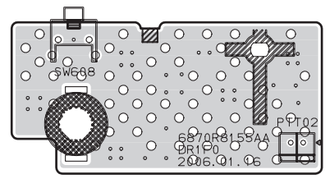
(9 TOOL TOP VIEW)



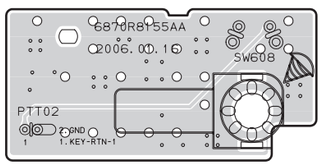
(9 TOOL BOTTOM VIEW)



(F TOOL TOP VIEW)

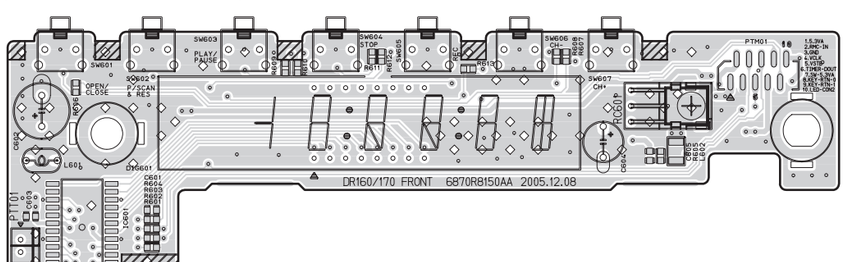


(F TOOL BOTTOM VIEW)

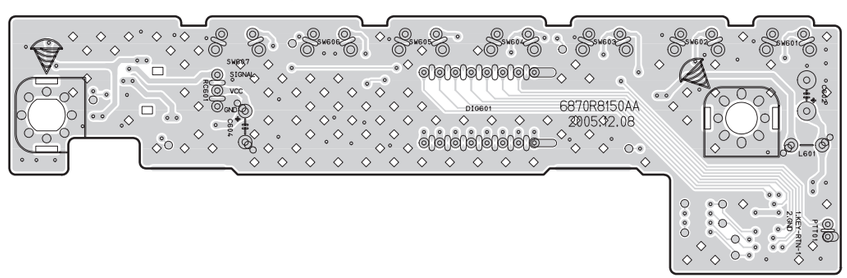


6. TIMER P.C.BOARD

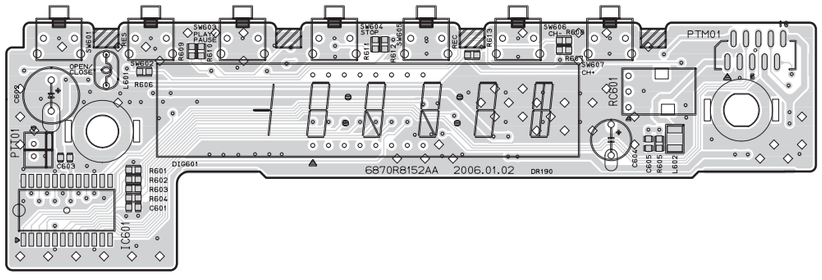
(6, 7 TOOL TOP VIEW)



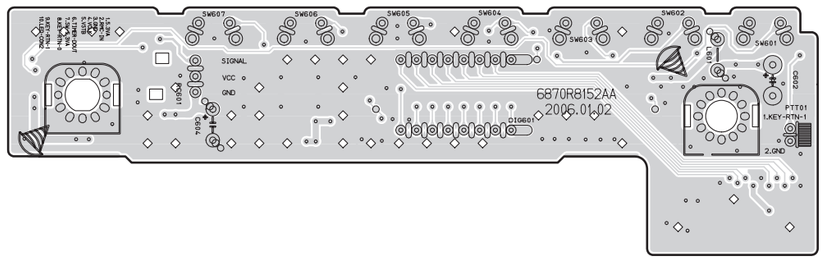
(6, 7 TOOL BOTTOM VIEW)



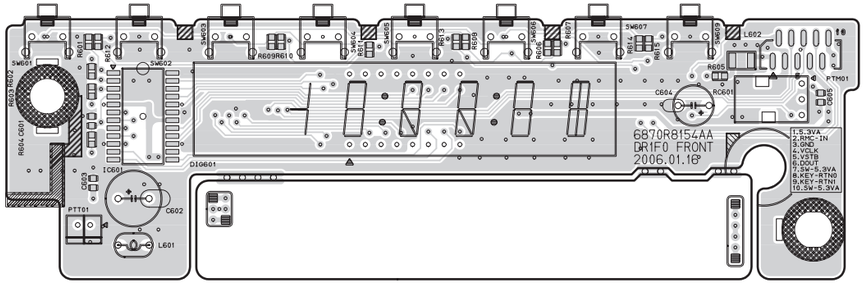
(9 TOOL TOP VIEW)



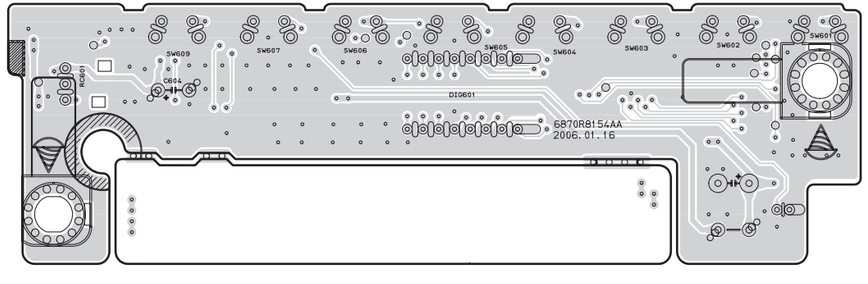
(9 TOOL BOTTOM VIEW)



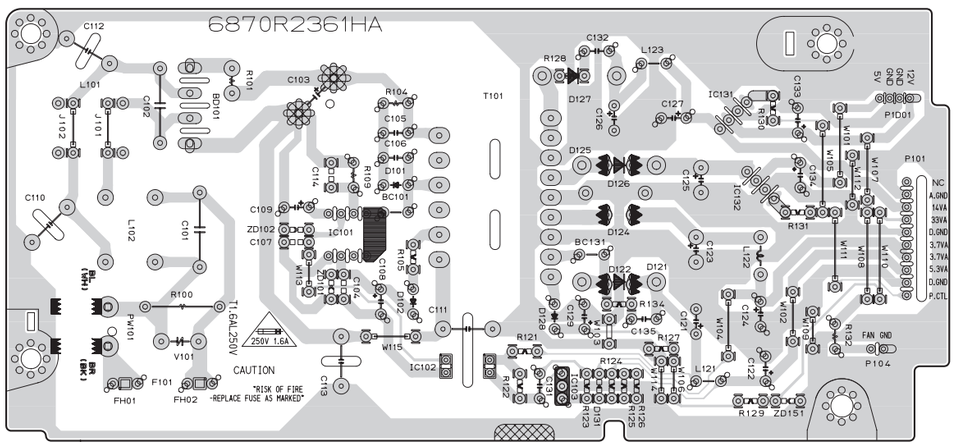
(F TOOL TOP VIEW)



(F TOOL BOTTOM VIEW)



7. POWER P.C.BOARD



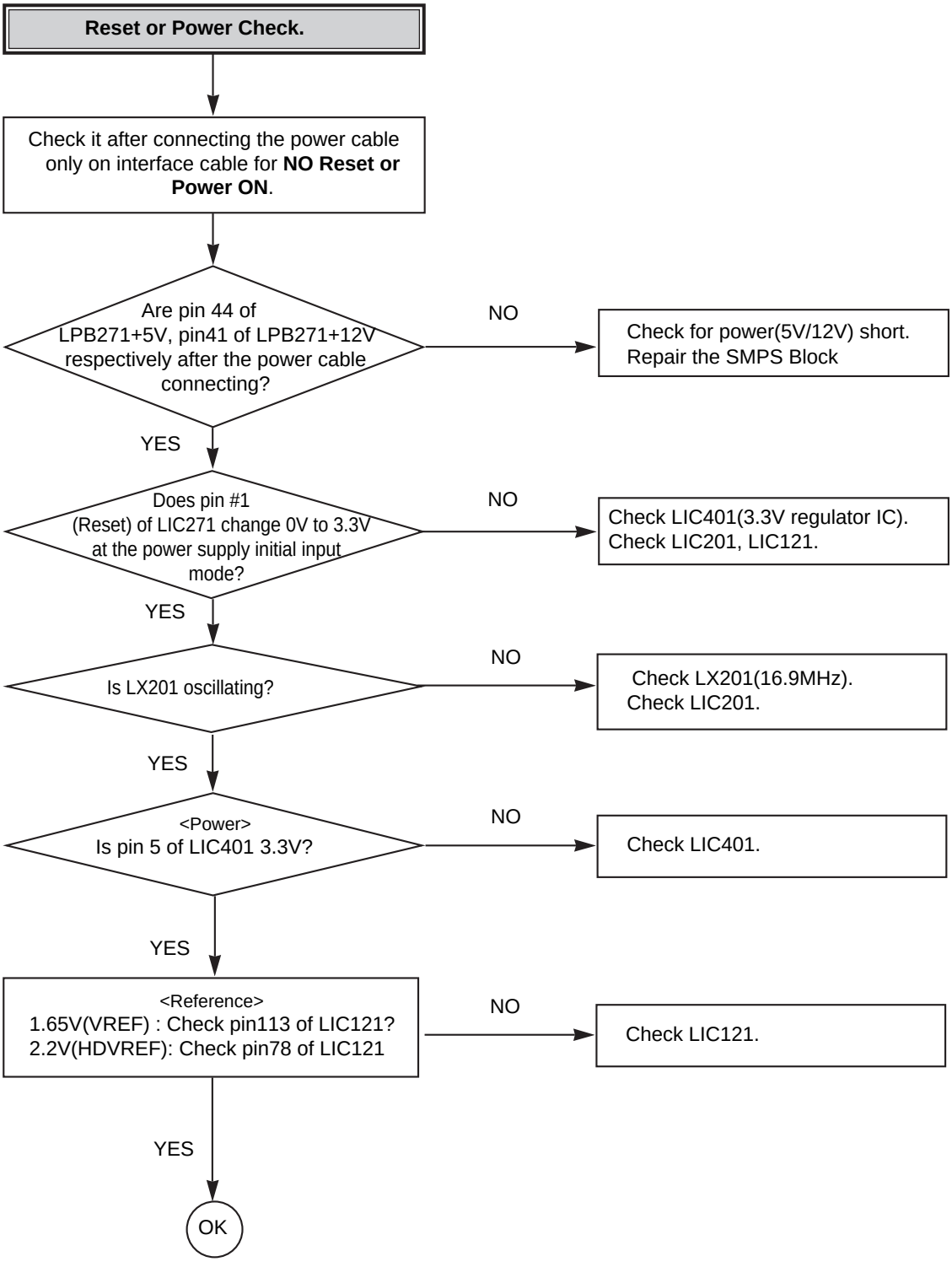
MEMO

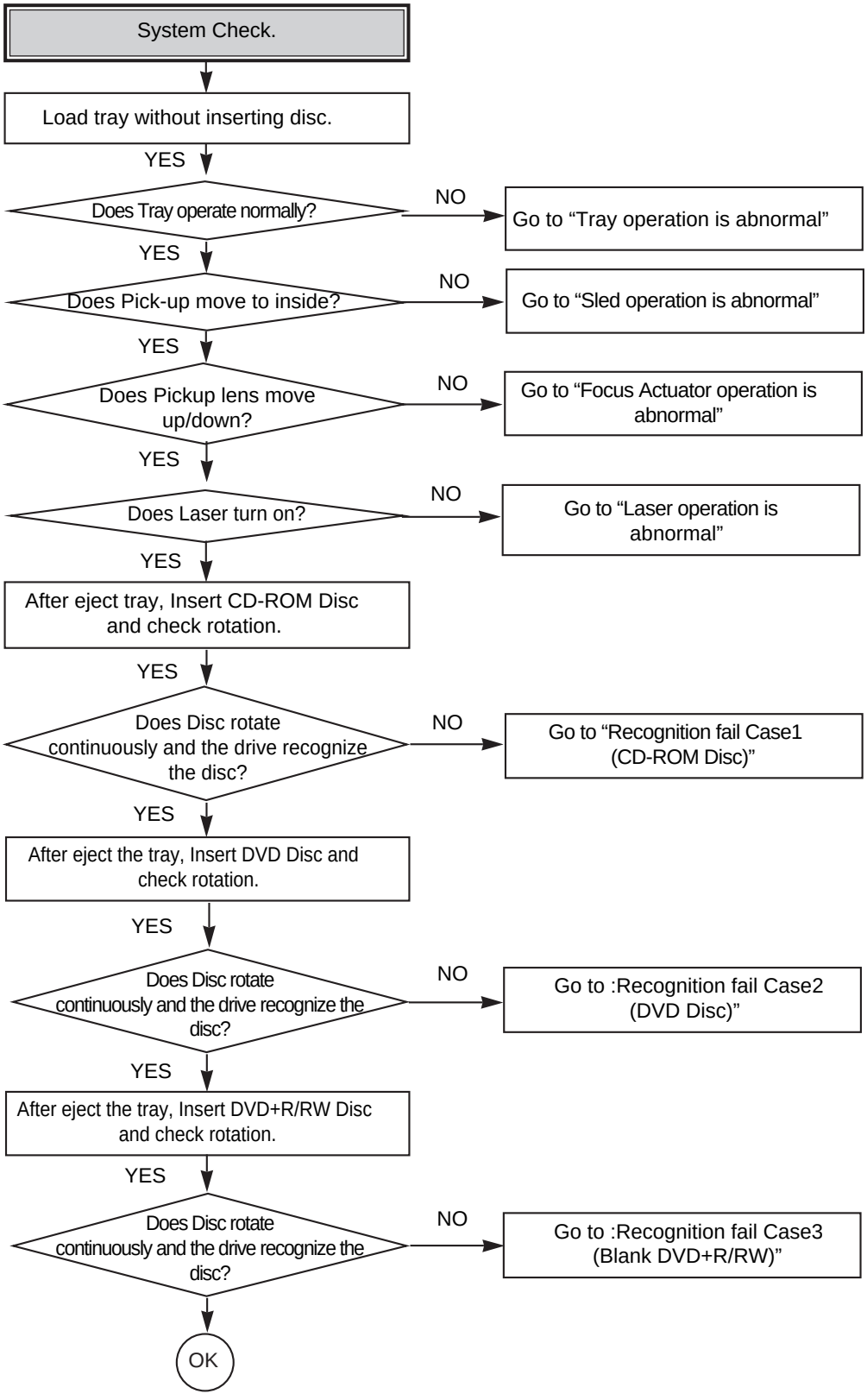
MEMO

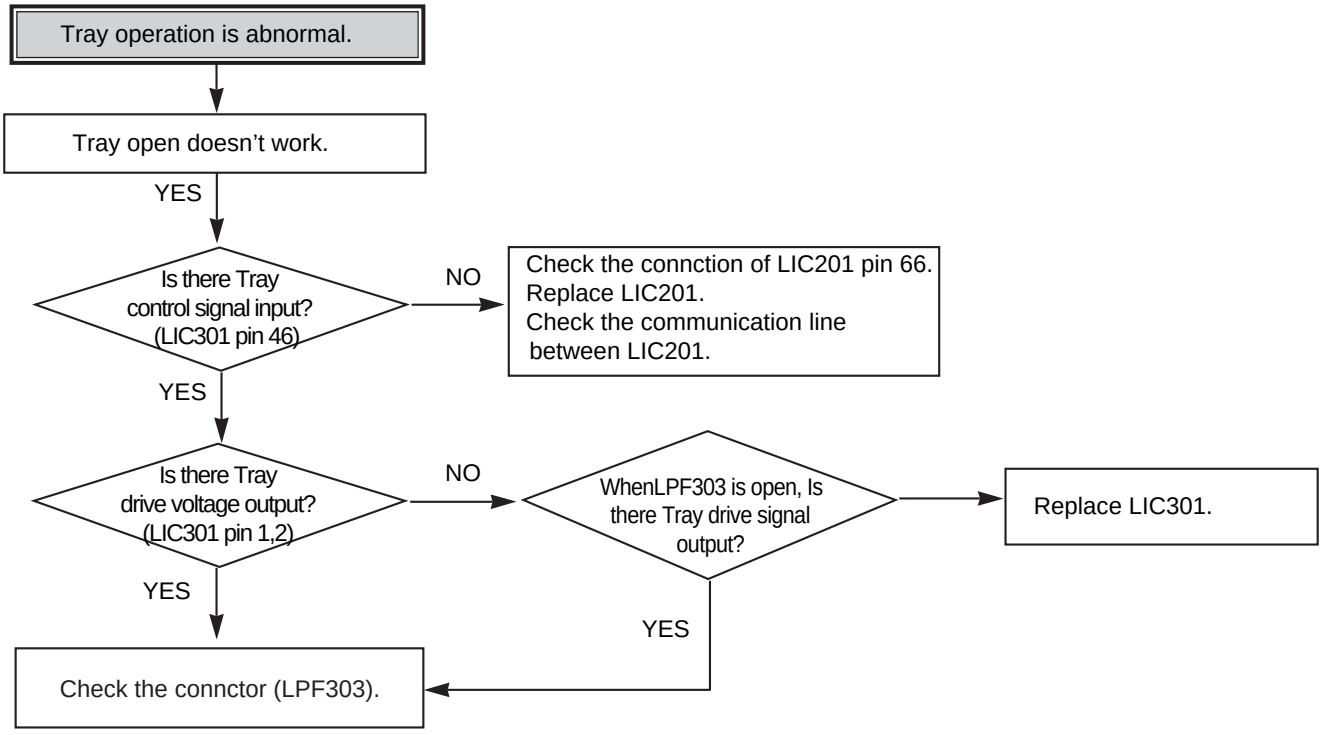
SECTION 4
RS-01A LOADER PART

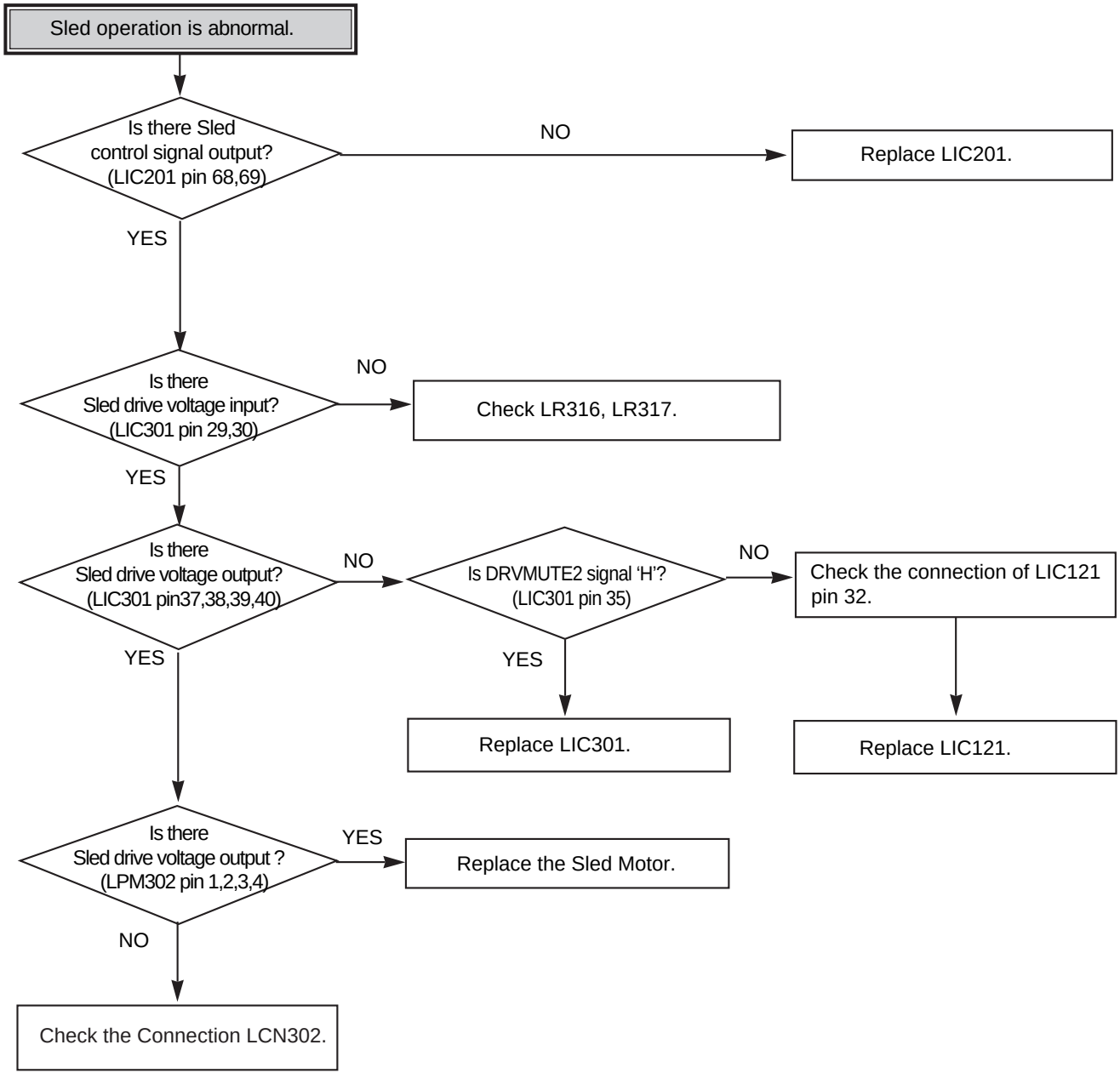
CONTENTS

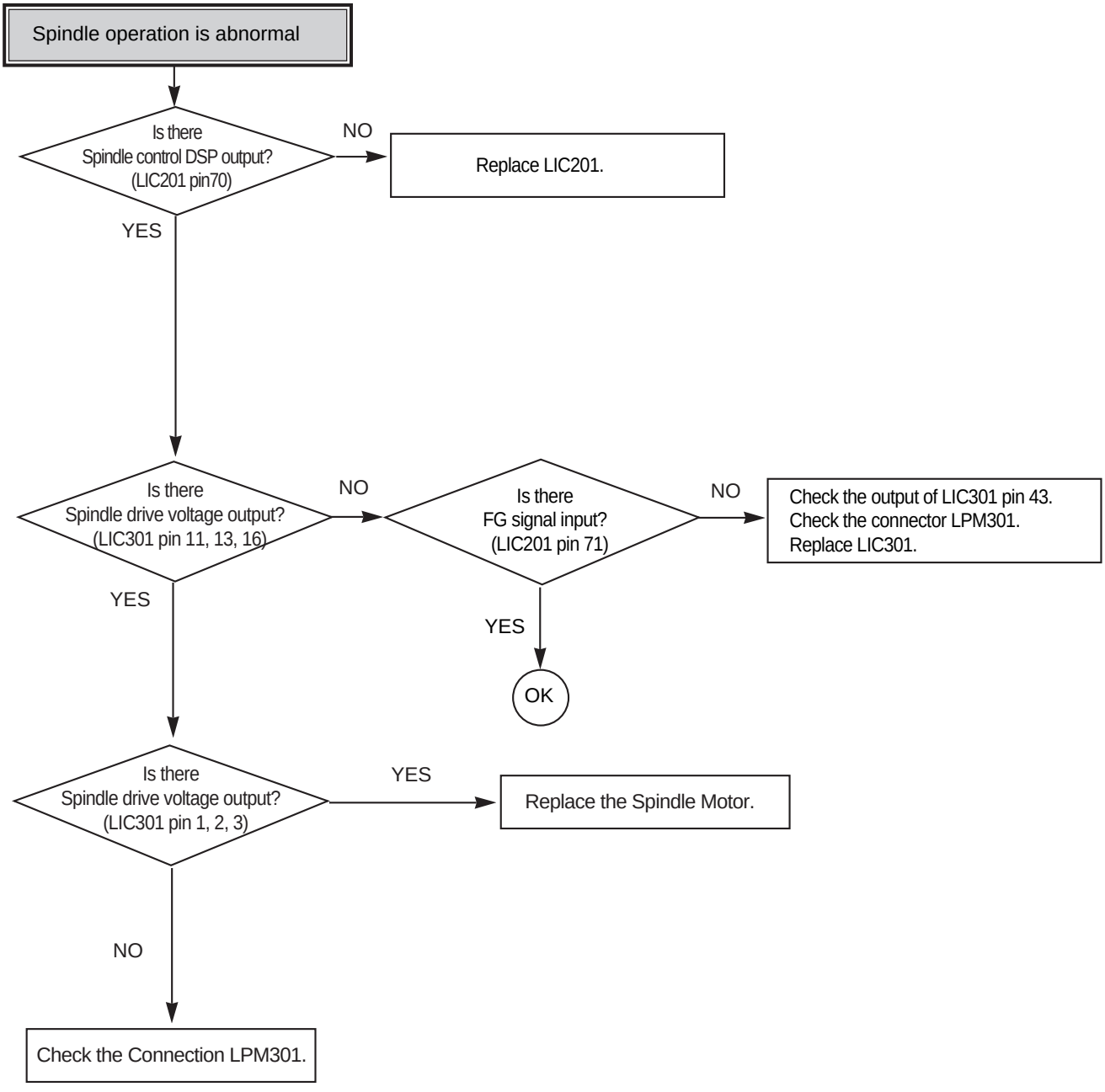
ELECTRICAL TROUBLESHOOTING GUIDE

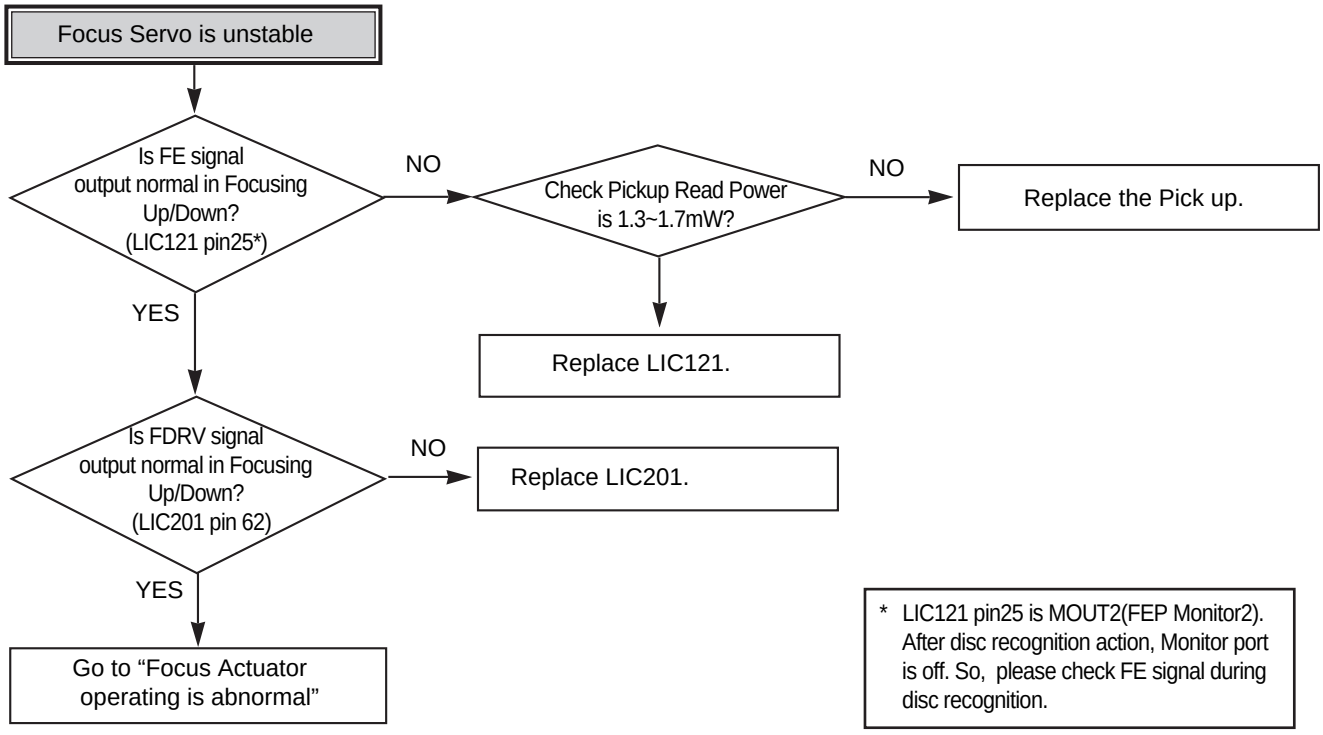


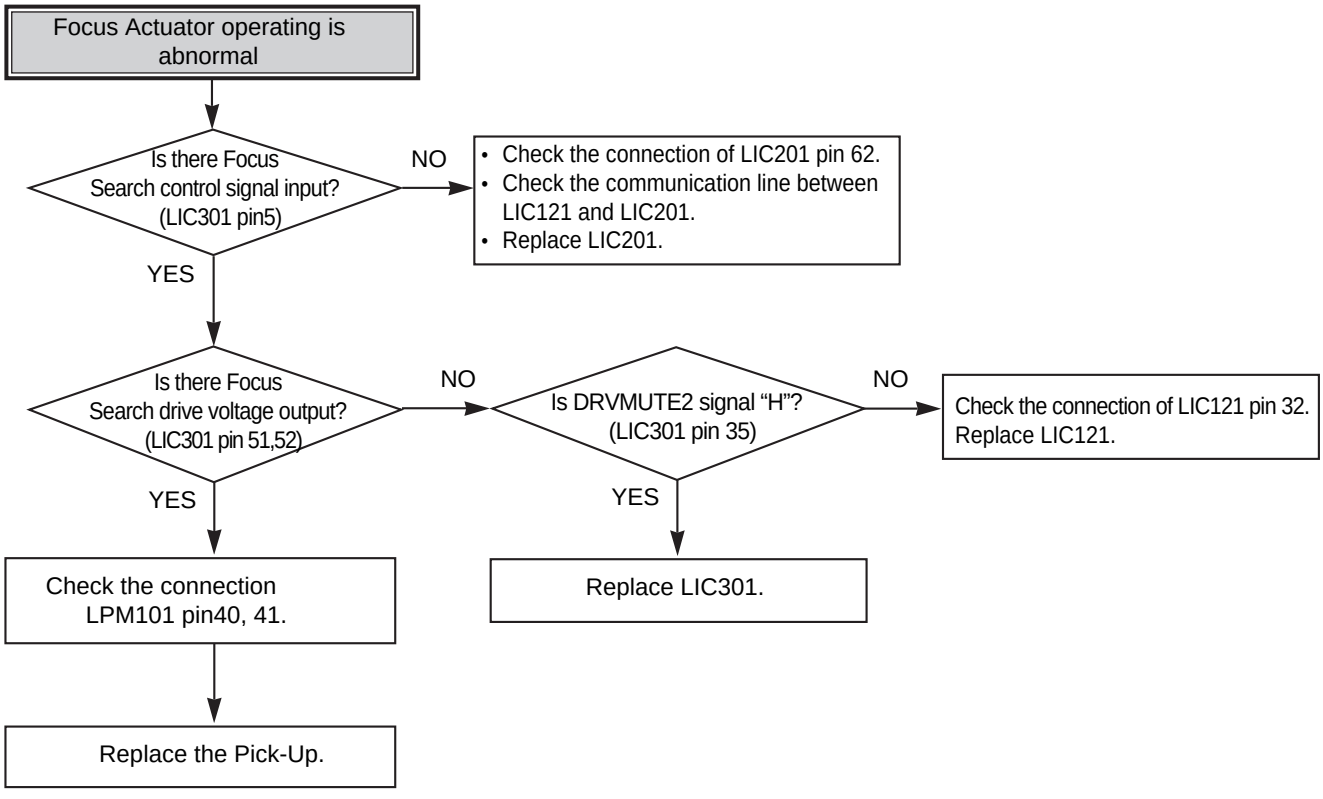

System Check.
Load tray without inserting disc.
YES
Does Tray operate normally?
NO
Go to “Tray operation is abnormal”
YES
Does Pick-up move to inside?
NO
Go to “Sled operation is abnormal”
YES
Does Pickup lens move up/down?
NO
Go to “Focus Actuator operation is abnormal”
YES
Does Laser turn on?
NO
Go to “Laser operation is abnormal”
YES
After eject tray, Insert CD-ROM Disc and check rotation.
YES
Does Disc rotate continuously and the drive recognize the disc?
NO
Go to “Recognition fail Case1 (CD-ROM Disc)”
YES
After eject the tray, Insert DVD Disc and check rotation.
YES
Does Disc rotate continuously and the drive recognize the disc?
NO
Go to :Recognition fail Case2 (DVD Disc)”
YES
After eject the tray, Insert DVD+R/RW Disc and check rotation.
YES
Does Disc rotate continuously and the drive recognize the disc?
NO
Go to :Recognition fail Case3 (Blank DVD+R/RW)”
OK

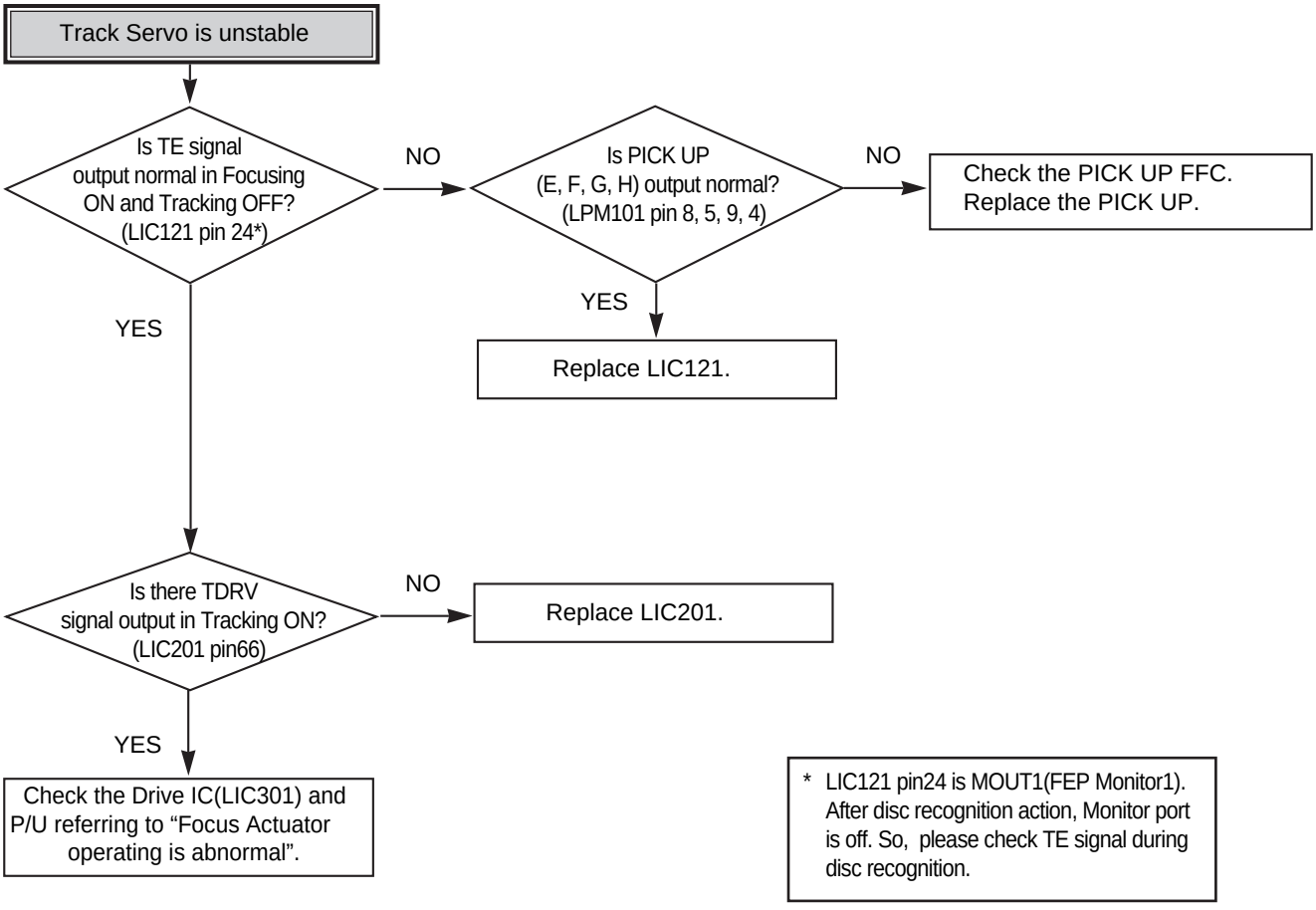

Tray operation is abnormal.
Tray open doesn't work.
YES
Is there Tray control signal input? (LIC301 pin 46)
NO
Check the connction of LIC201 pin 66.
Replace LIC201.
Check the communication line between LIC201.
YES
Is there Tray drive voltage output? (LIC301 pin 1,2)
NO
WhenLPF303 is open, Is there Tray drive signal output?
Replace LIC301.
YES
YES
Check the connctor (LPF303).

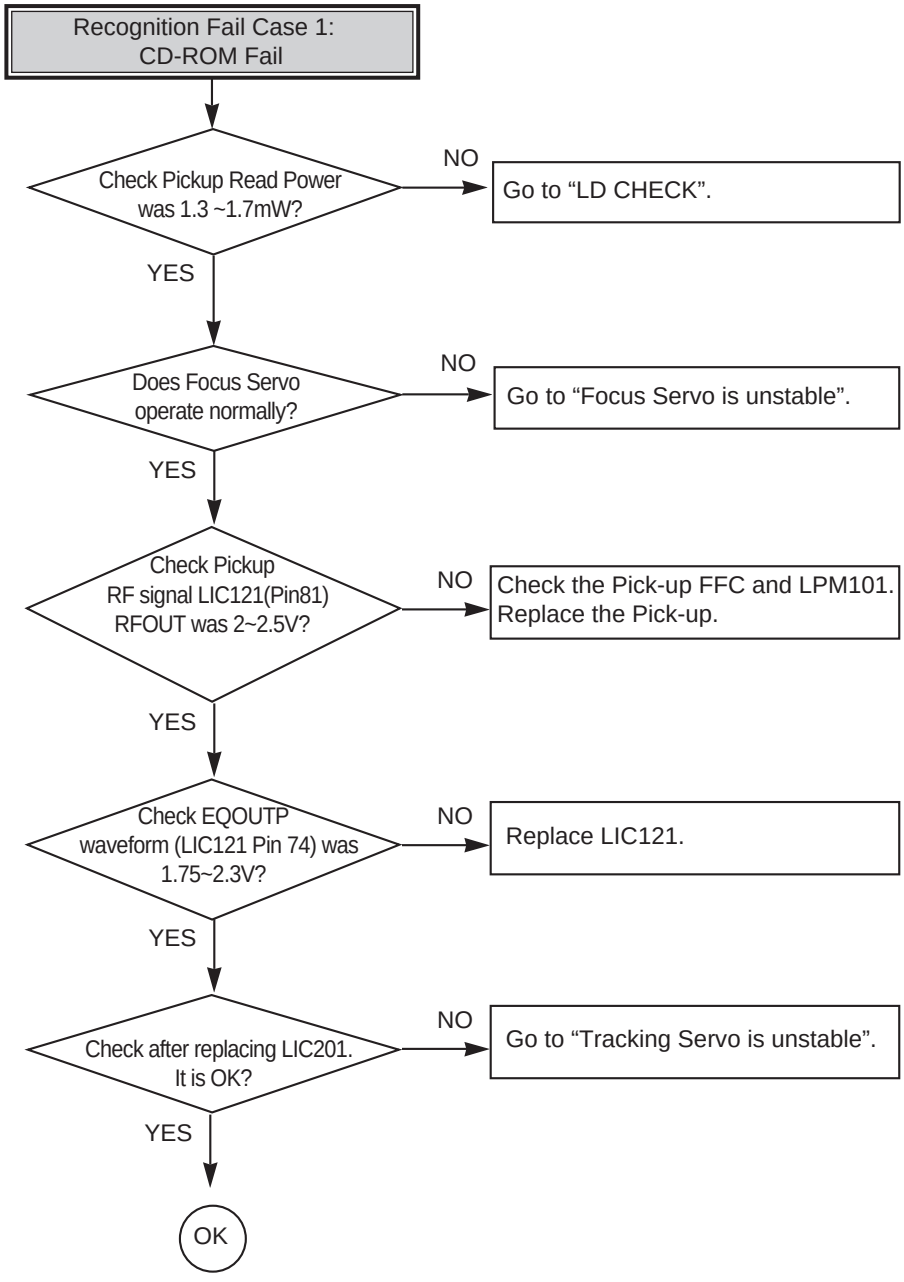

Sled operation is abnormal.
Is there Sled control signal output? (LIC201 pin 68,69)
NO
Replace LIC201.
YES
Is there Sled drive voltage input? (LIC301 pin 29,30)
NO
Check LR316, LR317.
YES
Is there Sled drive voltage output? (LIC301 pin37,38,39,40)
NO
Is DRVMUTE2 signal 'H'? (LIC301 pin 35)
NO
Check the connection of LIC121 pin 32.
YES
YES
Replace LIC301.
Replace LIC121.
Is there Sled drive voltage output ? (LPM302 pin 1,2,3,4)
YES
Replace the Sled Motor.
NO
Check the Connection LCN302.

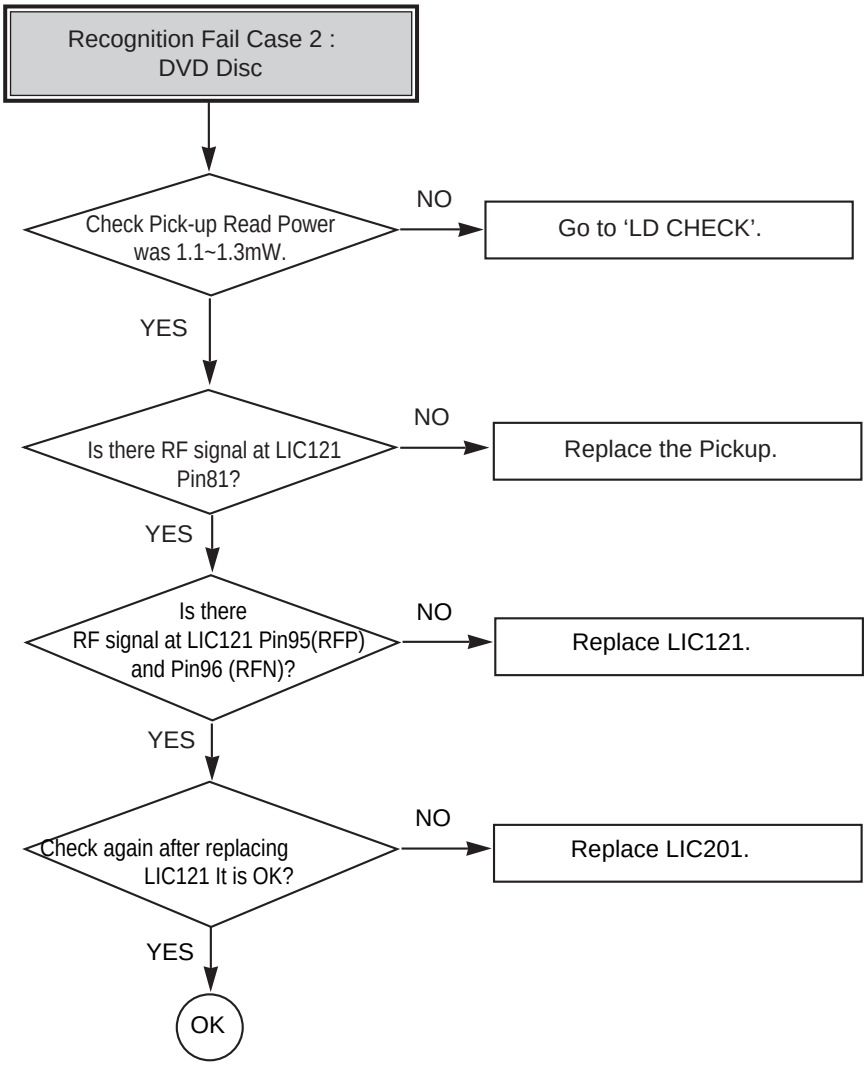

Spindle operation is abnormal
Is there
Spindle control DSP output?
(LIC201 pin70)
NO
Replace LIC201.
YES
Is there
Spindle drive voltage output?
(LIC301 pin 11, 13, 16)
NO
Is there
FG signal input?
(LIC201 pin 71)
NO
Check the output of LIC301 pin 43.
Check the connector LPM301.
Replace LIC301.
YES
YES
OK
Is there
Spindle drive voltage output?
(LIC301 pin 1, 2, 3)
YES
Replace the Spindle Motor.
NO
Check the Connection LPM301.

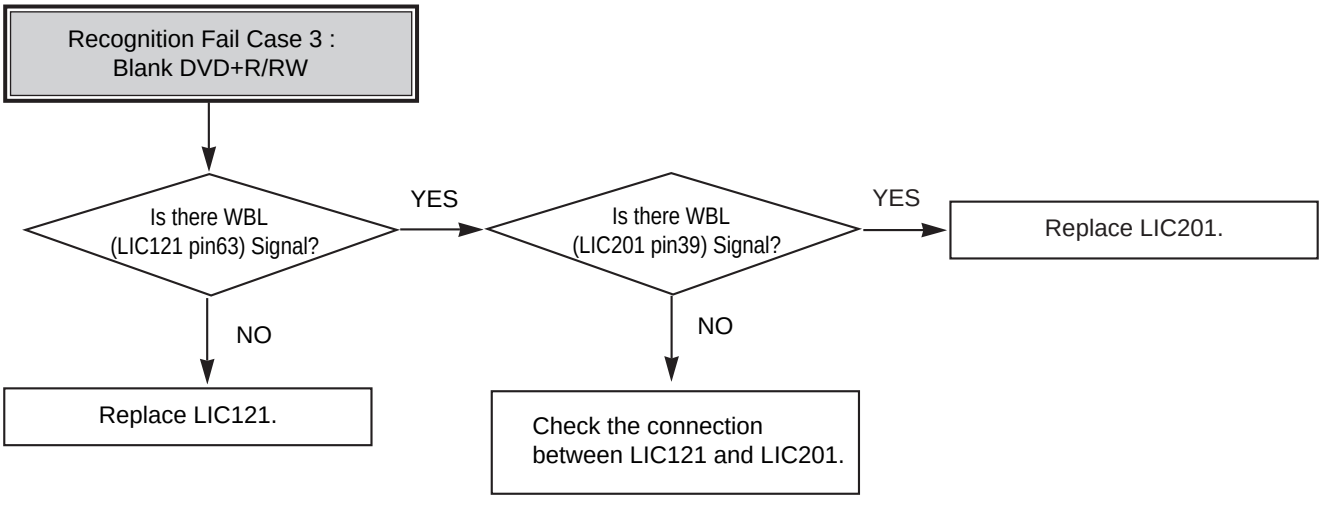

Focus Servo is unstable
Is FE signal output normal in Focusing Up/Down? (LIC121 pin25*)
NO
Check Pickup Read Power is 1.3~1.7mW?
NO
Replace the Pick up.
YES
Replace LIC121.
Is FDRV signal output normal in Focusing Up/Down? (LIC201 pin 62)
NO
Replace LIC201.
YES
Go to "Focus Actuator operating is abnormal"
* LIC121 pin25 is MOUT2(FEP Monitor2). After disc recognition action, Monitor port is off. So, please check FE signal during disc recognition.

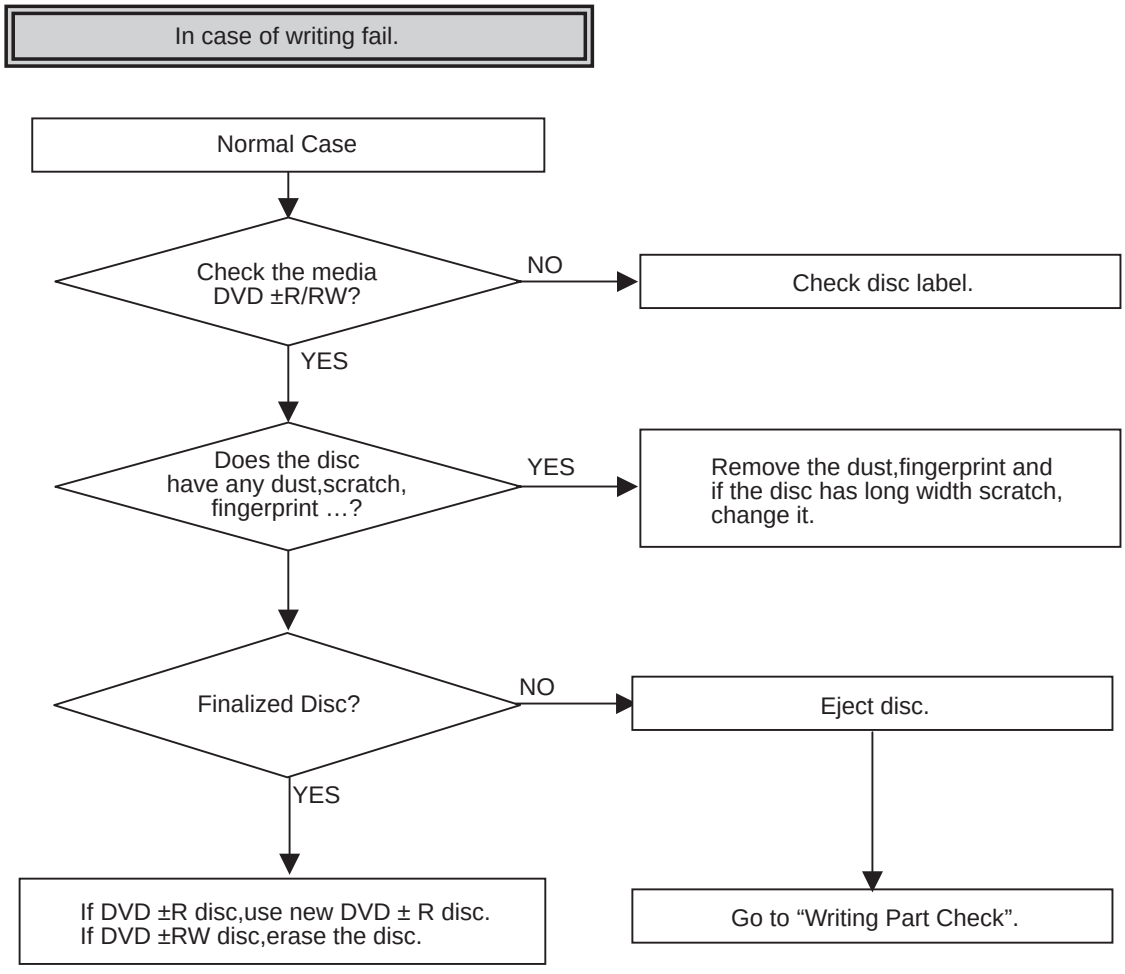

Focus Actuator operating is abnormal
Is there Focus Search control signal input? (LIC301 pin5)
NO
• Check the connection of LIC201 pin 62.
• Check the communication line between LIC121 and LIC201.
• Replace LIC201.
YES
Is there Focus Search drive voltage output? (LIC301 pin 51,52)
NO
Is DRVMUTE2 signal "H"? (LIC301 pin 35)
NO
Check the connection of LIC121 pin 32.
Replace LIC121.
YES
YES
Check the connection LPM101 pin40, 41.
Replace LIC301.
Replace the Pick-Up.

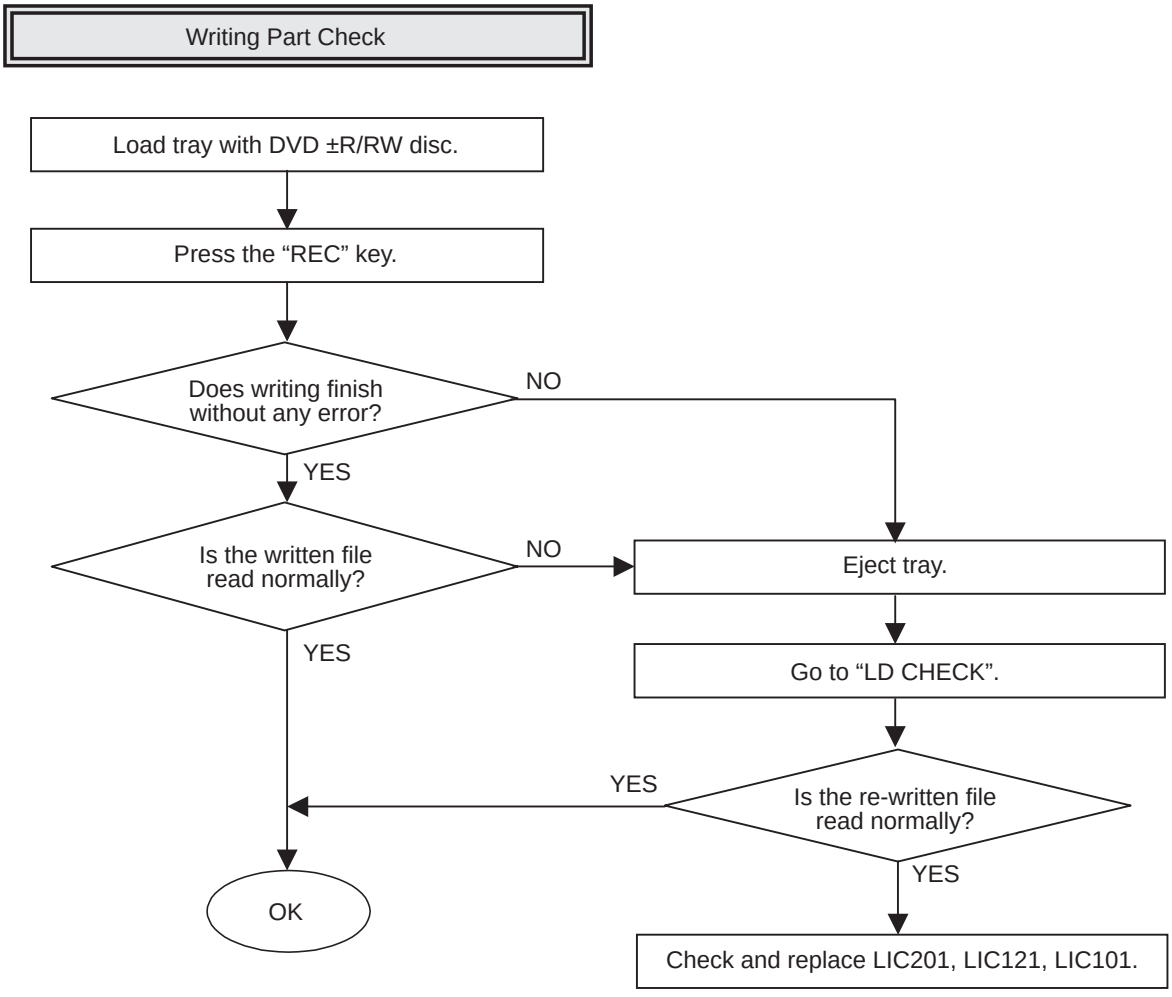

Track Servo is unstable
Is TE signal output normal in Focusing ON and Tracking OFF? (LIC121 pin 24*)
NO
Is PICK UP (E, F, G, H) output normal? (LPM101 pin 8, 5, 9, 4)
NO
Check the PICK UP FFC. Replace the PICK UP.
YES
Replace LIC121.
YES
Is there TDRV signal output in Tracking ON? (LIC201 pin66)
NO
Replace LIC201.
YES
Check the Drive IC(LIC301) and P/U referring to “Focus Actuator operating is abnormal”.
* LIC121 pin24 is MOUT1(FEP Monitor1). After disc recognition action, Monitor port is off. So, please check TE signal during disc recognition.

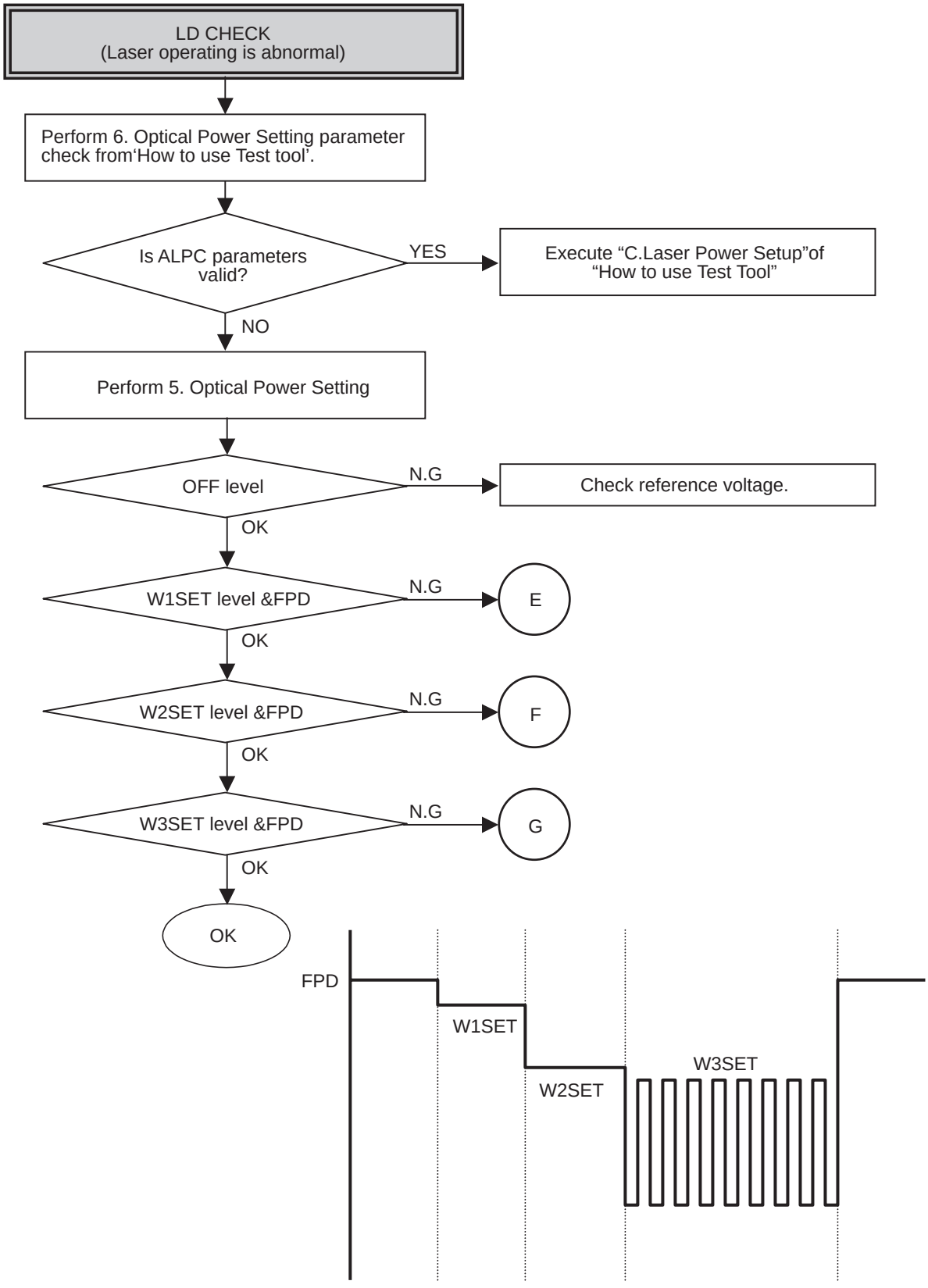

Recognition Fail Case 1:
CD-ROM Fail
Check Pickup Read Power was 1.3 ~1.7mW?
NO
Go to “LD CHECK”.
YES
Does Focus Servo operate normally?
NO
Go to “Focus Servo is unstable”.
YES
Check Pickup RF signal LIC121(Pin81) RFOUT was 2~2.5V?
NO
Check the Pick-up FFC and LPM101. Replace the Pick-up.
YES
Check EQOUTP waveform (LIC121 Pin 74) was 1.75~2.3V?
NO
Replace LIC121.
YES
Check after replacing LIC201. It is OK?
NO
Go to “Tracking Servo is unstable”.
YES
OK

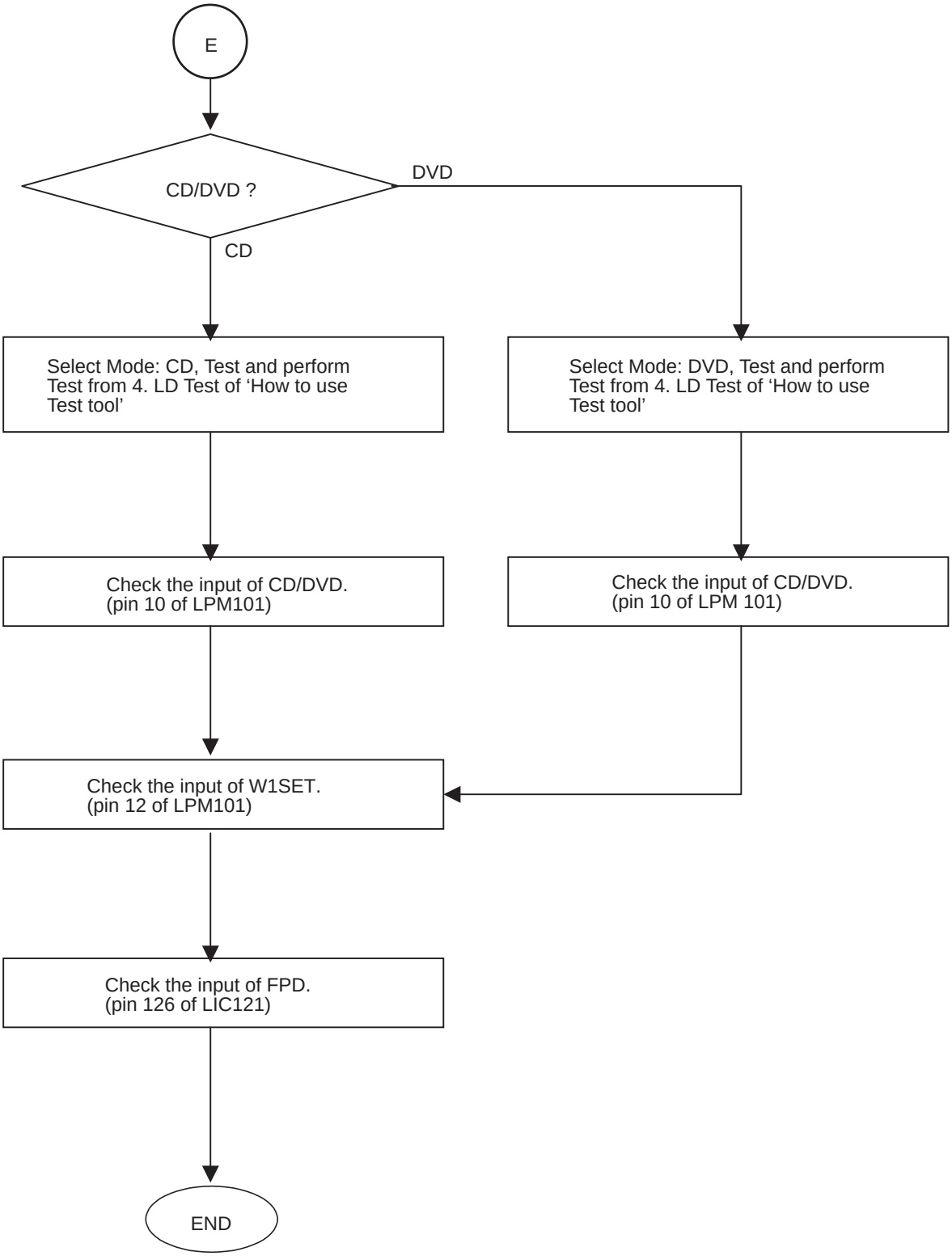

Recognition Fail Case 2 :
DVD Disc
Check Pick-up Read Power was 1.1~1.3mW.
NO
Go to 'LD CHECK'.
YES
Is there RF signal at LIC121 Pin81?
NO
Replace the Pickup.
YES
Is there RF signal at LIC121 Pin95(RFP) and Pin96 (RFN)?
NO
Replace LIC121.
YES
Check again after replacing LIC121 It is OK?
NO
Replace LIC201.
YES
OK

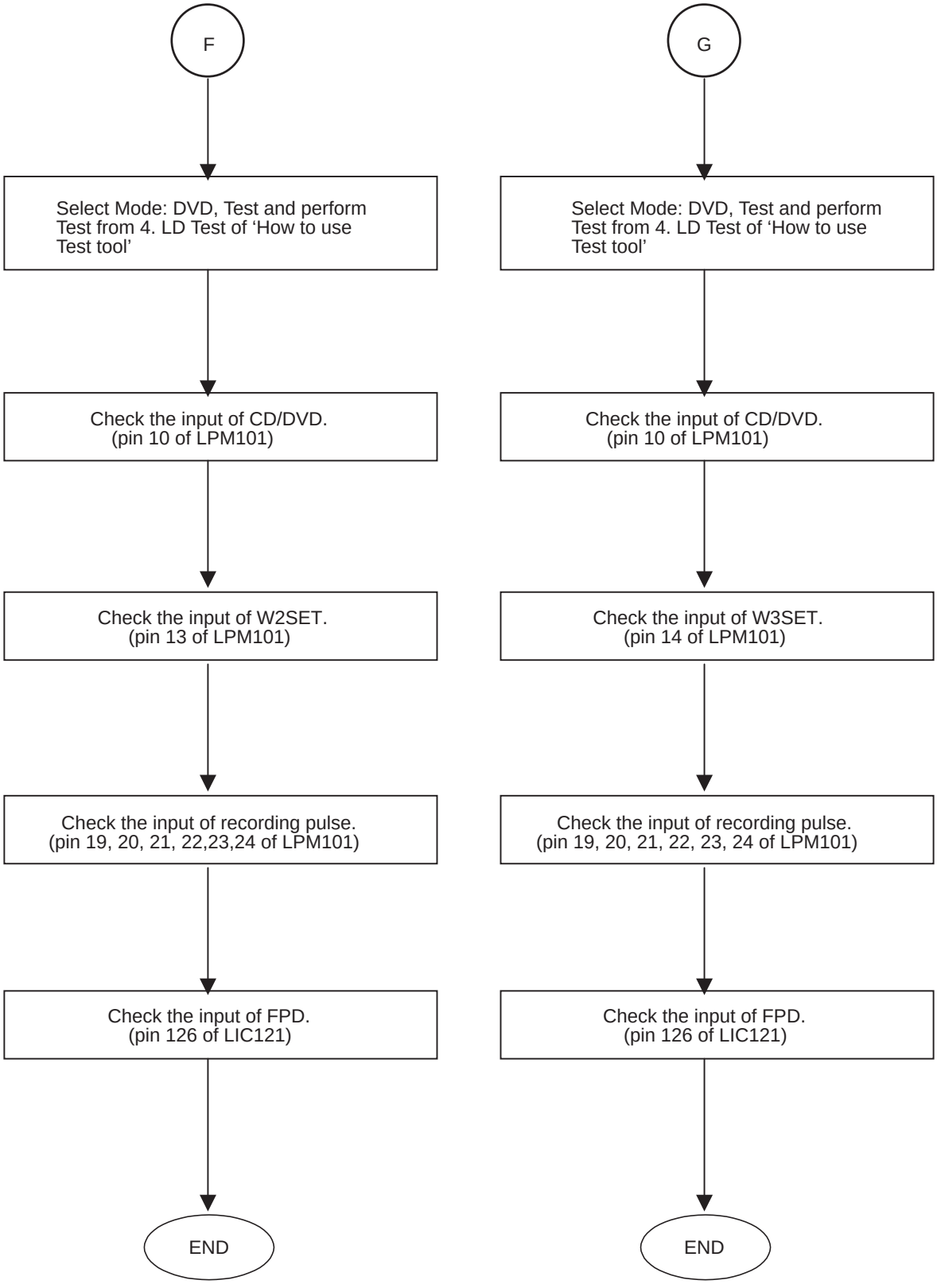

Recognition Fail Case 3 :
Blank DVD+R/RW
Is there WBL (LIC121 pin63) Signal?
YES
Is there WBL (LIC201 pin39) Signal?
YES
Replace LIC201.
NO
Replace LIC121.
NO
Check the connection between LIC121 and LIC201.


In case of writing fail.
Normal Case
Check the media
DVD ±R/RW?
NO
Check disc label.
YES
Does the disc
have any dust,scratch,
fingerprint …?
YES
Remove the dust,fingerprint and
if the disc has long width scratch,
change it.
Finalized Disc?
NO
Eject disc.
YES
If DVD ±R disc,use new DVD ± R disc.
If DVD ±RW disc,erase the disc.
Go to “Writing Part Check”.


Writing Part Check
Load tray with DVD ±R/RW disc.
Press the “REC” key.
Does writing finish without any error?
NO
YES
Is the written file read normally?
NO
Eject tray.
YES
Go to “LD CHECK”.
Is the re-written file read normally?
YES
YES
OK
Check and replace LIC201, LIC121, LIC101.


LD CHECK
(Laser operating is abnormal)
Perform 6. Optical Power Setting parameter check from'How to use Test tool'.
Is ALPC parameters valid?
YES
Execute "C.Laser Power Setup"of "How to use Test Tool"
NO
Perform 5. Optical Power Setting
OFF level
N.G
Check reference voltage.
OK
W1SET level &FPD
N.G
E
OK
W2SET level &FPD
N.G
F
OK
W3SET level &FPD
N.G
G
OK
OK
FPD
W1SET
W2SET
W3SET

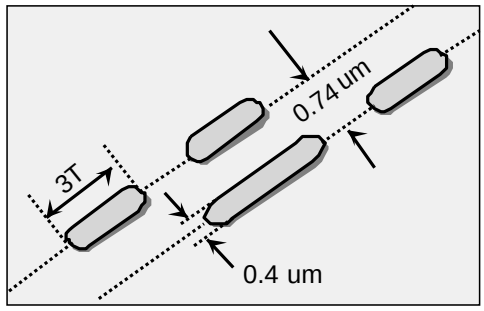

E
CD/DVD ?
DVD
CD
Select Mode: CD, Test and perform Test from 4. LD Test of 'How to use Test tool'
Select Mode: DVD, Test and perform Test from 4. LD Test of 'How to use Test tool'
Check the input of CD/DVD. (pin 10 of LPM101)
Check the input of CD/DVD. (pin 10 of LPM 101)
Check the input of W1SET. (pin 12 of LPM101)
Check the input of FPD. (pin 126 of LIC121)
END

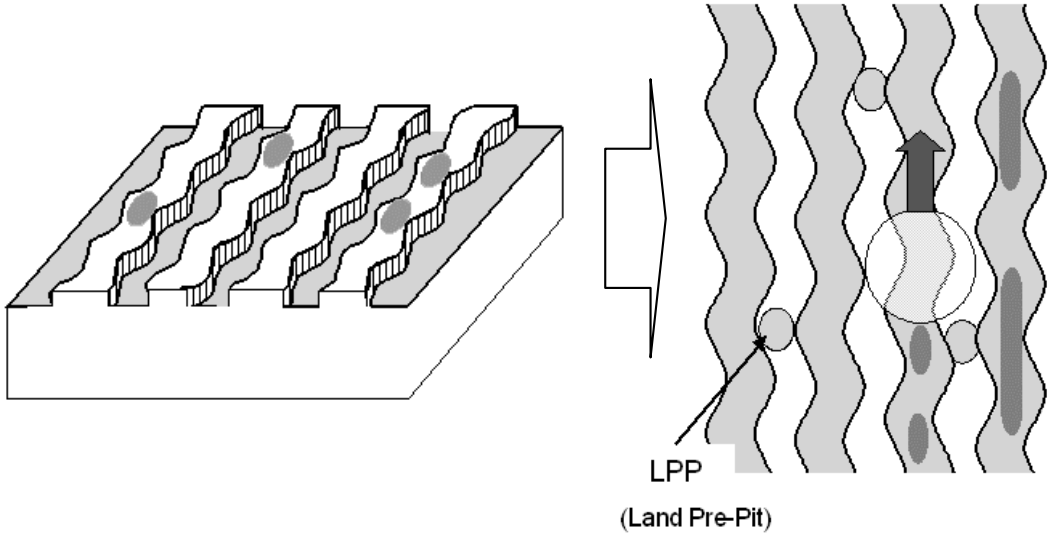

F
Select Mode: DVD, Test and perform Test from 4. LD Test of 'How to use Test tool'
Check the input of CD/DVD. (pin 10 of LPM101)
Check the input of W2SET. (pin 13 of LPM101)
Check the input of recording pulse. (pin 19, 20, 21, 22,23,24 of LPM101)
Check the input of FPD. (pin 126 of LIC121)
END
G
Select Mode: DVD, Test and perform Test from 4. LD Test of 'How to use Test tool'
Check the input of CD/DVD. (pin 10 of LPM101)
Check the input of W3SET. (pin 14 of LPM101)
Check the input of recording pulse. (pin 19, 20, 21, 22, 23, 24 of LPM101)
Check the input of FPD. (pin 126 of LIC121)
END

THE DIFFERENCE OF DVD-R/RW, DVD+R/RW DISCS AND DVD-ROM

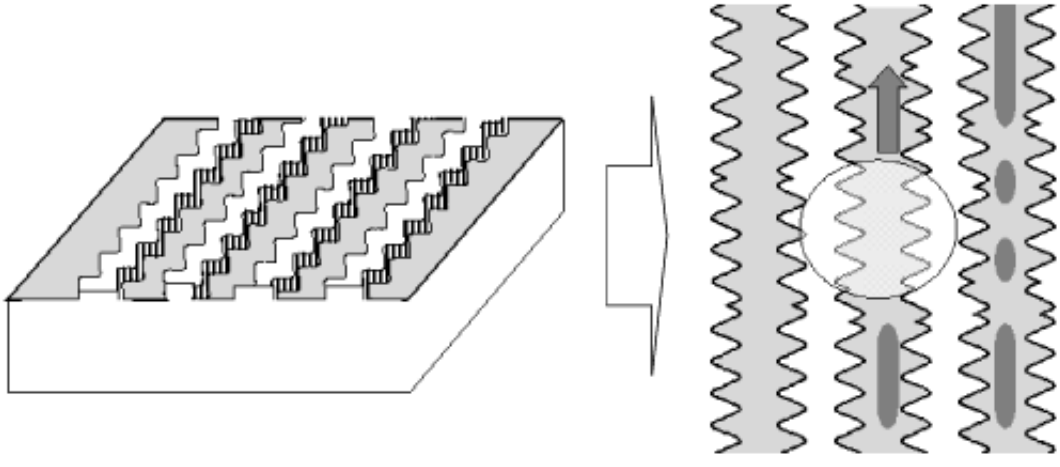
1. RECORDING LAYER

- **DVD-ROM (Read Only Disc)**





- **DVD+R/RW Disc**



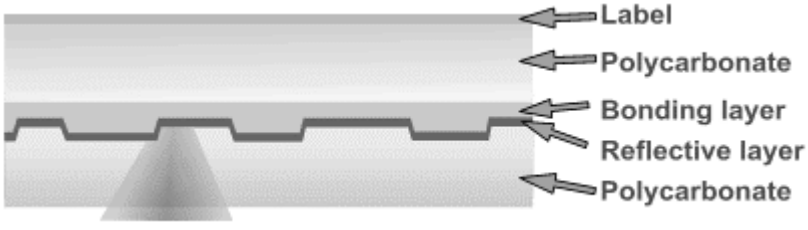
2. DISC SPECIFICATION

	DVD-ROM		DVD-R	DVD-RW	DVD+R	DVD+RW
	Single-Layer	Dual-Layer				
Media Type	Read Only	Read Only	Dye	Phase change	Dye	Phase change
User data capacity	4.7GB	8.54GB	4.7GB	4.7GB	4.7GB	4.7GB
Wavelength	650nm	650nm	650nm	650nm	650nm	650nm
Reflectivity	45~85%	18~30nm	45~85%	18~30%	45~85%	18~30nm
Track pitch	0.74μm	0.74μm	0.74μm	0.74μm	0.74μm	0.74μm
Minimum pit length	0.4μm	0.4μm	0.4μm	0.4μm	0.4μm	0.4μm
Modulation	>0.6	>0.6	>0.6	>0.6	>0.6	>0.6
Channel bit-rate	26.16MHz	26.16MHz	26.16MHz	26.16MHz	26.16MHz	26.16MHz
Wobble Frequency	–	–	140KHz	140KHz	817.4KHz	817.4KHz
Addressing	26.16MHz	26.16MHz	Wobble & LPP	Wobble & LPP	Wobble(ADIP)	Wobble(ADIP)
Read Power (mW)					0.7 ± 0.1	0.7 ± 0.1
Write Power (mW)	–					
JItter	<8%	<8%	<8%	<8%	<9%	<9%

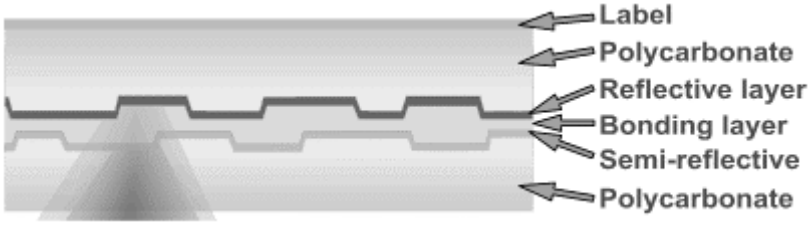
3. DISC MATERIALS

1) DVD-ROM

< Single Layer >



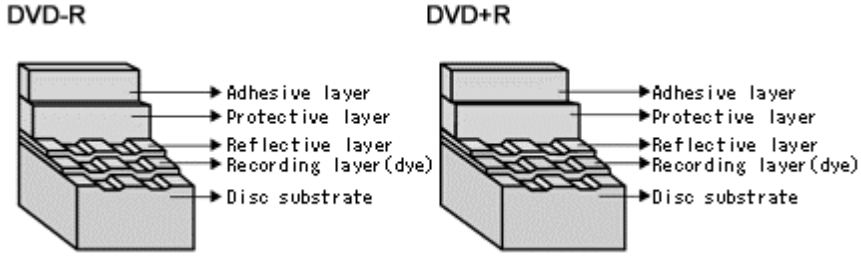
< Dual Layer >



2) Recording format using organic dye material (DVD-R / DVD+R)

The format that records data through the creation of recorded marks by changing the organic dye material with a laser beam.

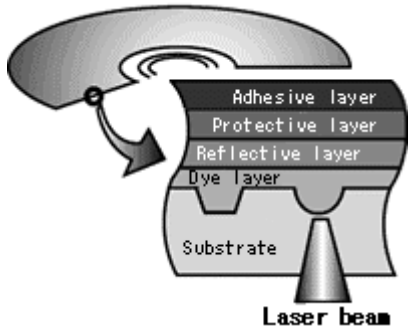
► Disc structure



► Recording principles

[Recording]
Recording is done by changing the organic dye layer and the substrate with a laser When a strong laser is applied to a disc, the temperature of the organic dye material goes up, the dye is decomposed and the substrate changes at the same time. At this time, a durable bit is created as is the case with a CD-ROM.

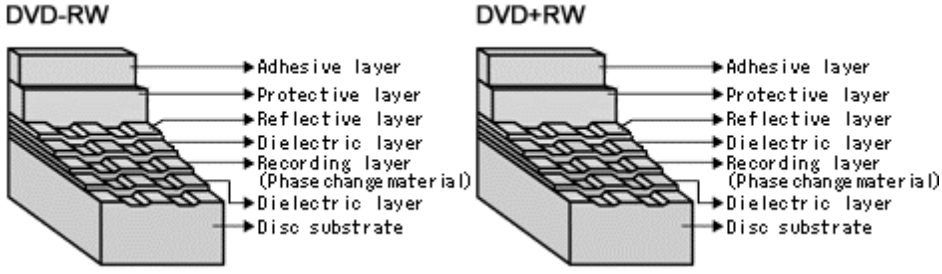
[Playback]
Signals are read with the differences of the reflection of a laser from pits.



3) Recording format using phase-change recording material (DVD-RW / DVD+RW)

• Data is recorded by changing the recording layer from the amorphous status to the crystalline status, and played back by reading the difference of the reflection coefficient.
Amorphous: Non-crystalline.

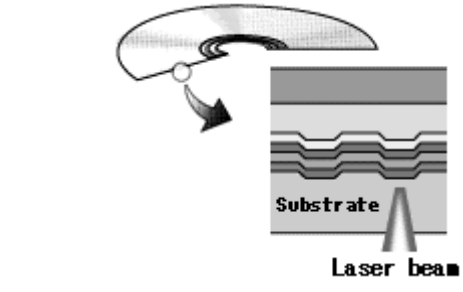
► Disc structure

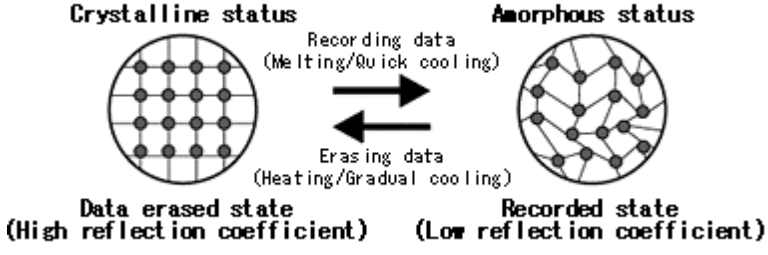


► Recording principles

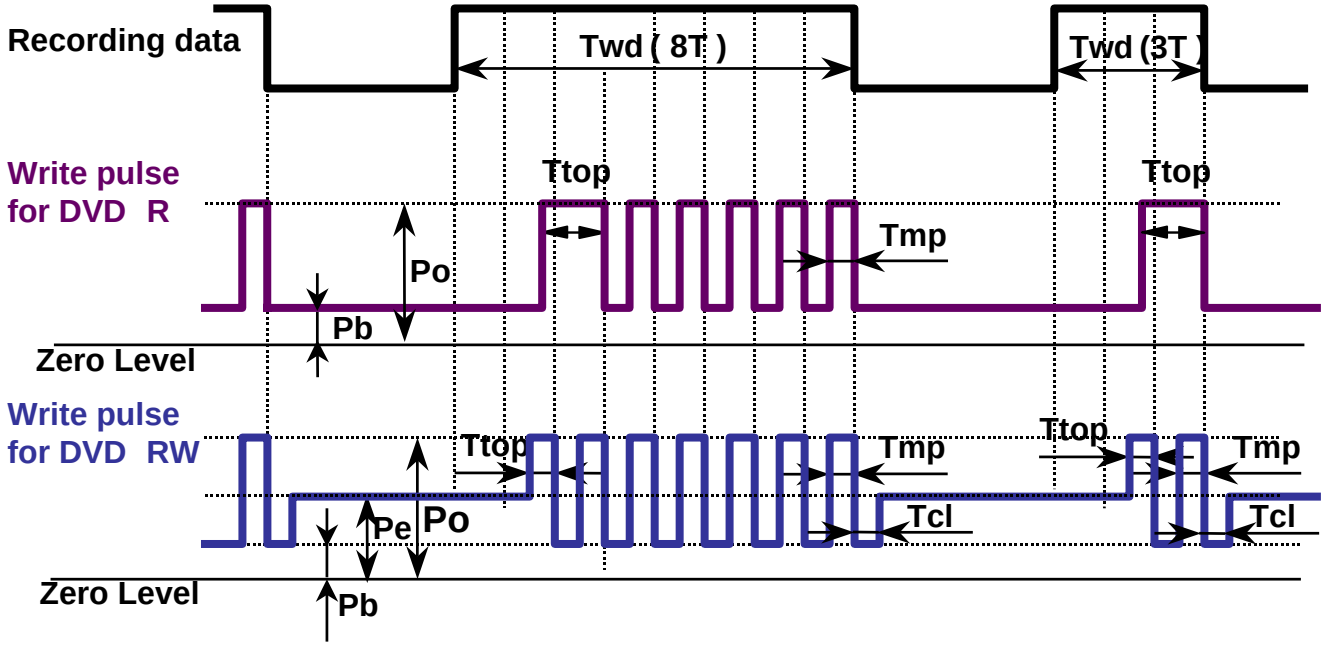
[Recording]
When a high-power laser is applied to the recording material, it melts and then becomes amorphous with a low reflection coefficient when it quickly cools off. When a mid-power laser is applied to heat gradually the recording material and then gradually cools it off, it becomes crystal with a high reflection coefficient.

[Playback]
A low-power laser is used for playback. The amount of reflected light depends on the status (amorphous or crystalline) of the recording material. This is detected by an optical sensor.





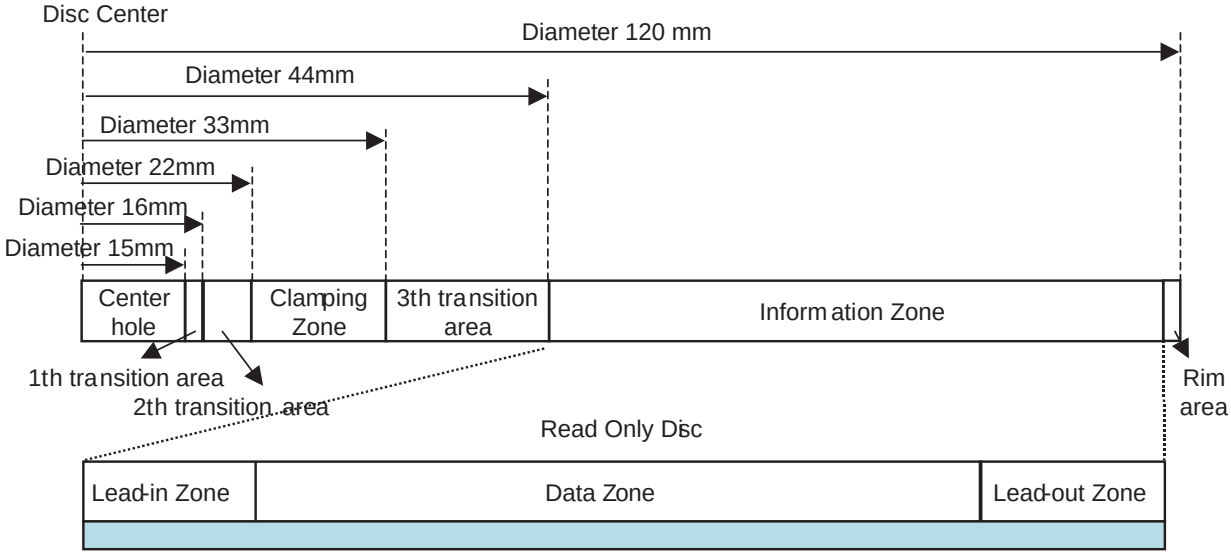
To make recordings, it is necessary to modulate the write pulse, which is called “Write Strategy”.
There can be many types in Write Strategy. Typically Write Strategy for DVD ±R has NMP(Non Multi-Pulse) type and MP(Multi-Pulse) type. In NMP type each single mark is created by subsequent separated short pulses. In MP type each single mark is created by one continuous pulse.
Write Strategy for DVD ±RW has Type 1 and Type2. In Type 1 the mark with nT width is created by one top pulse and (n-2) multi-pulses. Thus mark 3T is made by one top pulse and one multi-pulse. In Type 2 the mark with nT width is created by one top pulse and (n-3) multi-pulses. Thus mark 3T is made by one top pulse only.
RL-02A uses MP type Write Strategy for DVD ±R and Type 1 for DVD ±RW as shown below.



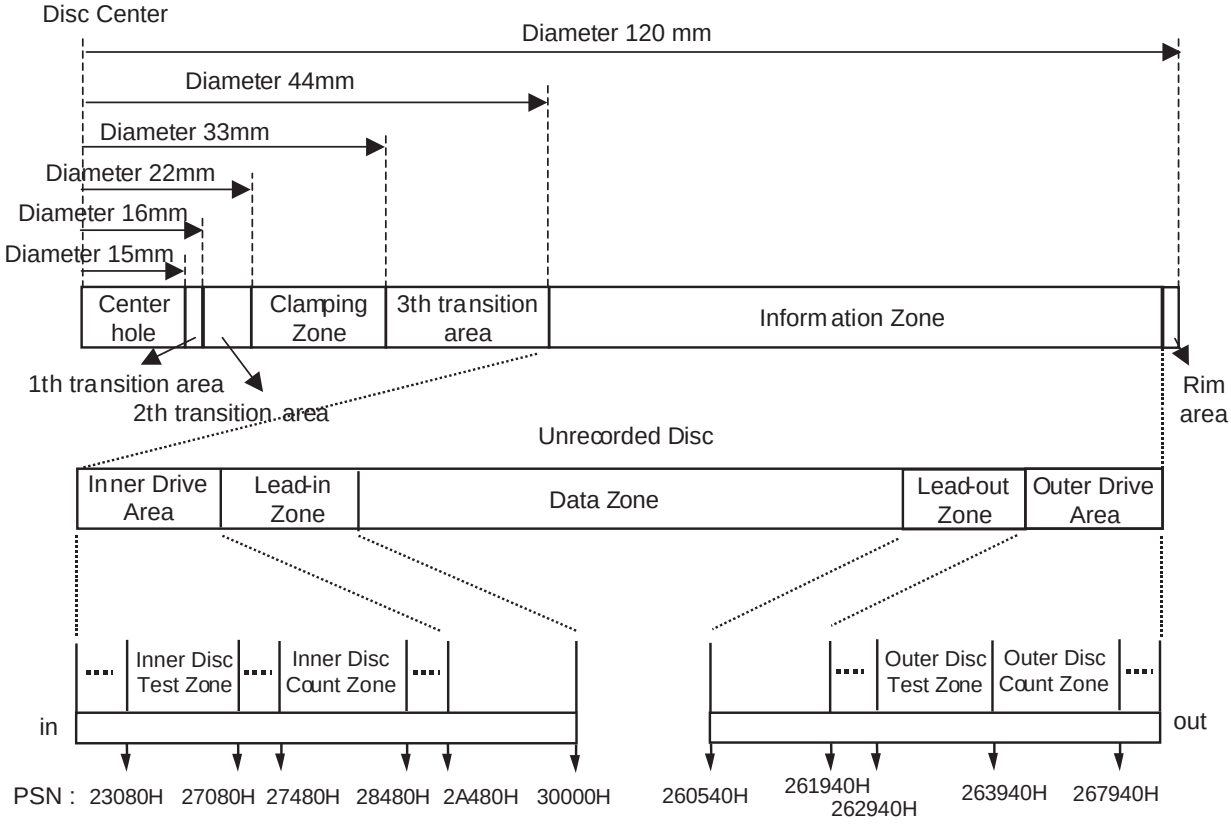
Po :Write Power (Peak Power)
Pe :Erase Power
Pb :Bias Power

4. ORGANIZATION OF THE INNER DRIVE AREA, OUTER DRIVE AREA, LEAD-IN ZONE AND LEAD-OUT ZONE

1) Layout of DVD-ROM disc

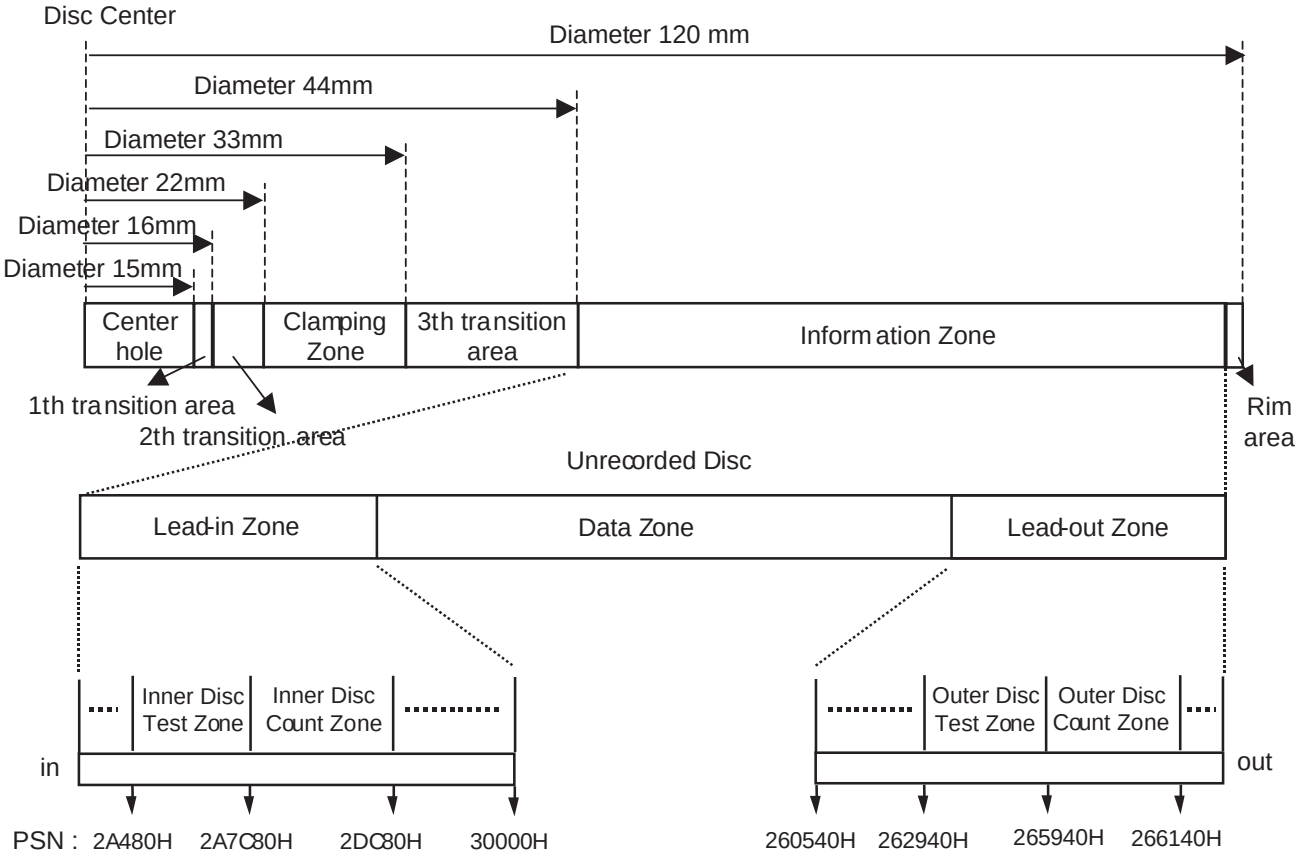


2) Layout of DVD+R disc



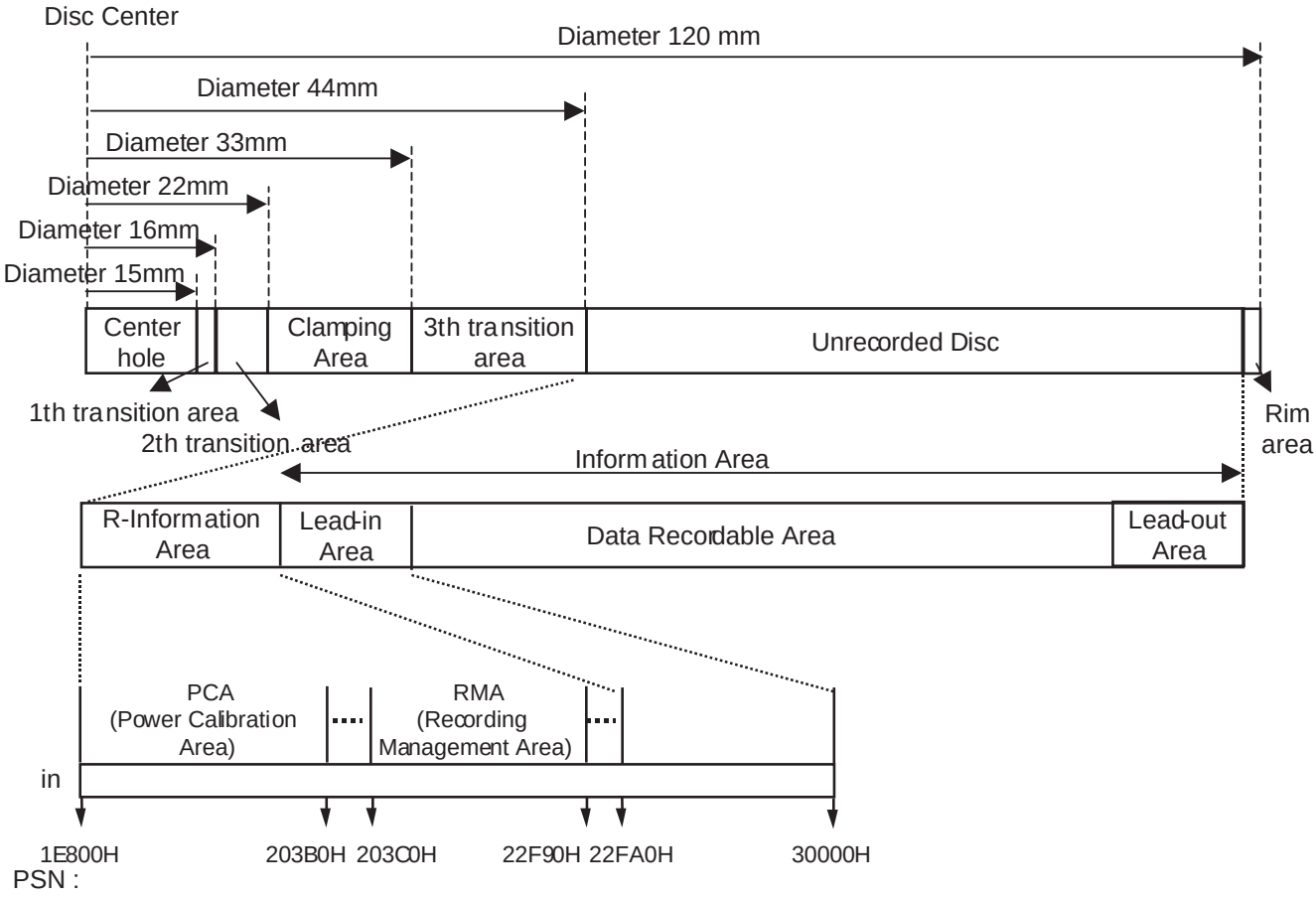
Inner Disc Test Zone : for performing OPC procedures.
Inner Disc Count Zone : For counting the number of OPC algorithm performed in IDT Zone.
Outer Disc Test Zone : for performing OPC procedures.
Outer Disc Count Zone : For counting the number of OPC algorithm performed in IDT Zone.

3) Layout of DVD+RW disc



Inner Disc Test Zone : for performing OPC procedures.
Inner Disc Count Zone : For counting the number of OPC algorithm performed in IDT Zone.
Outer Disc Test Zone : for performing OPC procedures.
Outer Disc Count Zone : For counting the number of OPC algorithm performed in IDT Zone.

4) Layout of DVD-R/RW disc



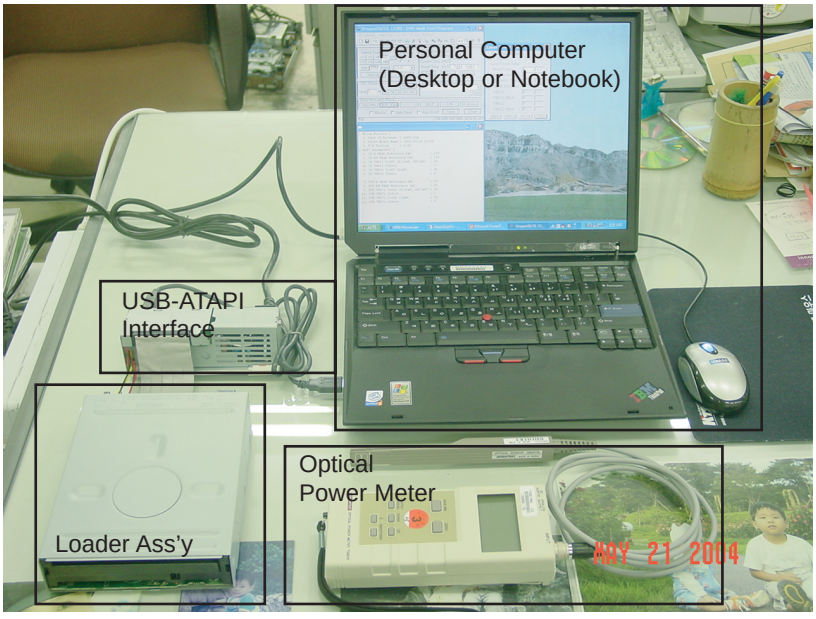
HOW TO USE TEST TOOL

1. ALPC MEASUREMENT SYSTEM

We need basically several measurement instrument to adjust Optical Power of CD and DVD Disc

- **ESSENTIAL INSTRUMENT**
  1) Optical Power meter & Sensor (ADVANTEST, TQ8230/Q82014A)
  2) Personal Computer
  3) Adjustment Program (Dragon or ALPC) --> being recommended ALPC Program in case of SVC

- **OPTIONAL INSTRUMENT**
  1) USB-ATAPI Interface (if you don't have Notebook which has ATAPI Interface or use PC USB Port)
  2) Connector-ATAPI Interface Board



2. ALPC PROGRAM

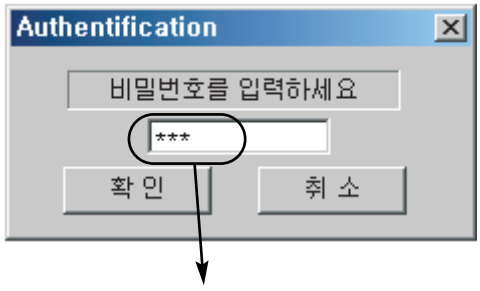
Use the ALPC program in Dragon tool for Optical power setting. It is consist of total 4 files.

Dragon_JW3P.exe
dragon.cfg
blue.dat
WNASPI32.DLL

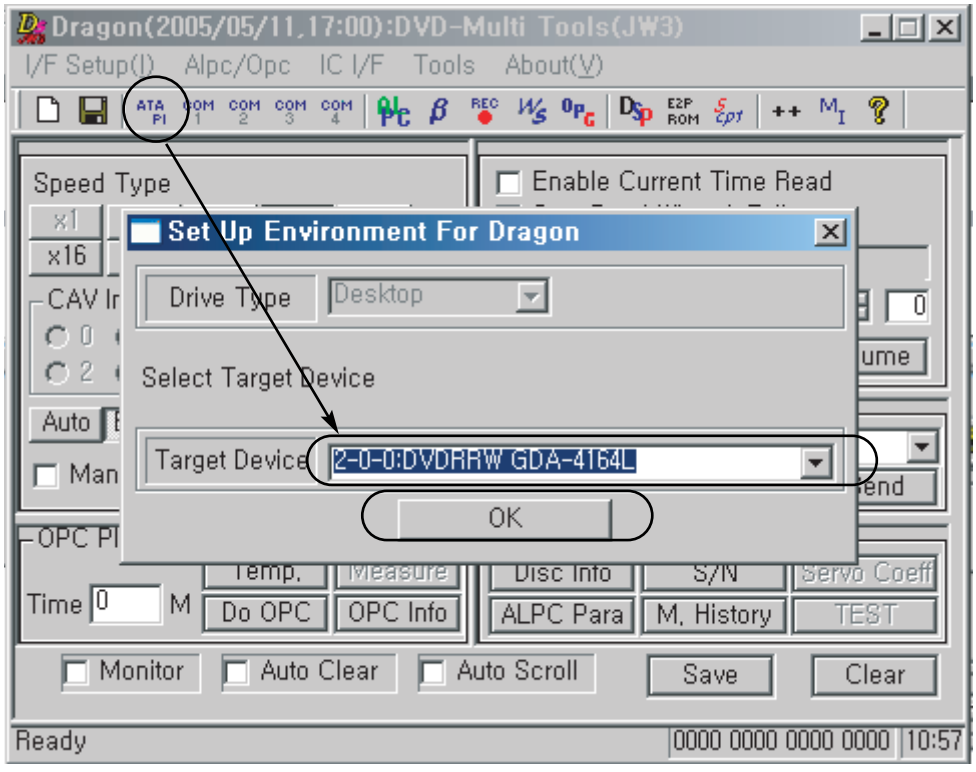
Four files must exist in same Directory.

3. EXECUTE ALPC PROGRAM

1) Execute Dragon_JW3P.exe file.

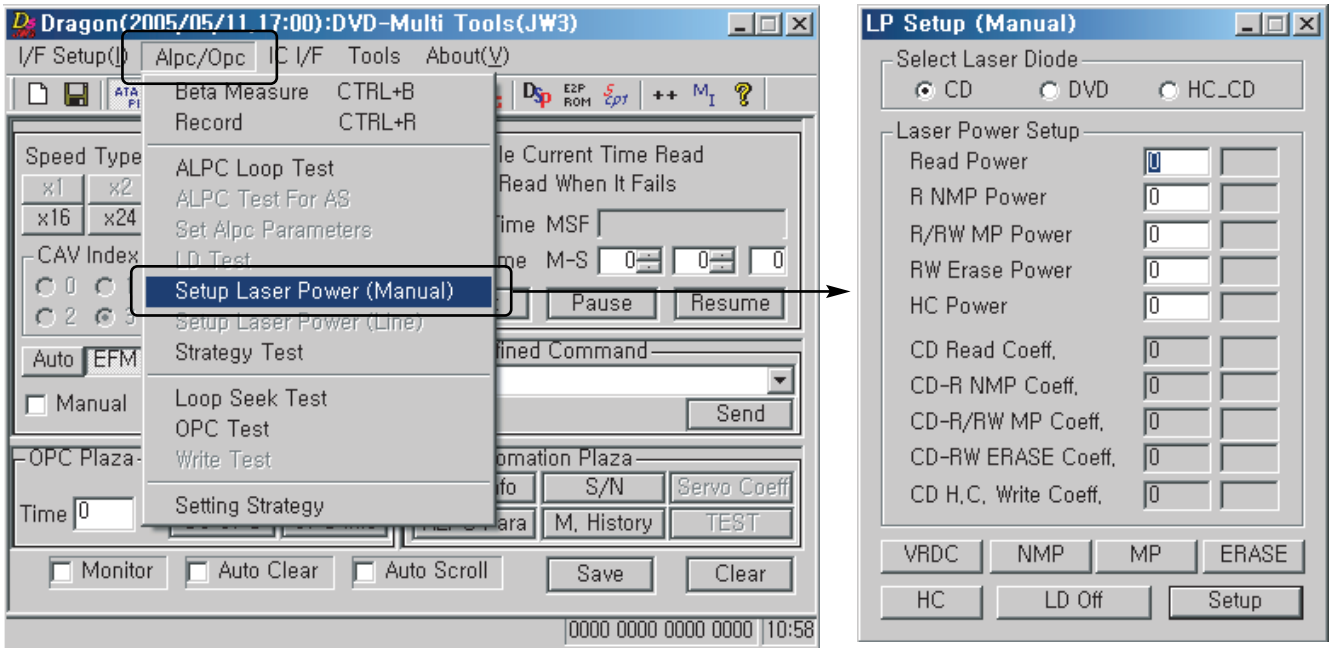


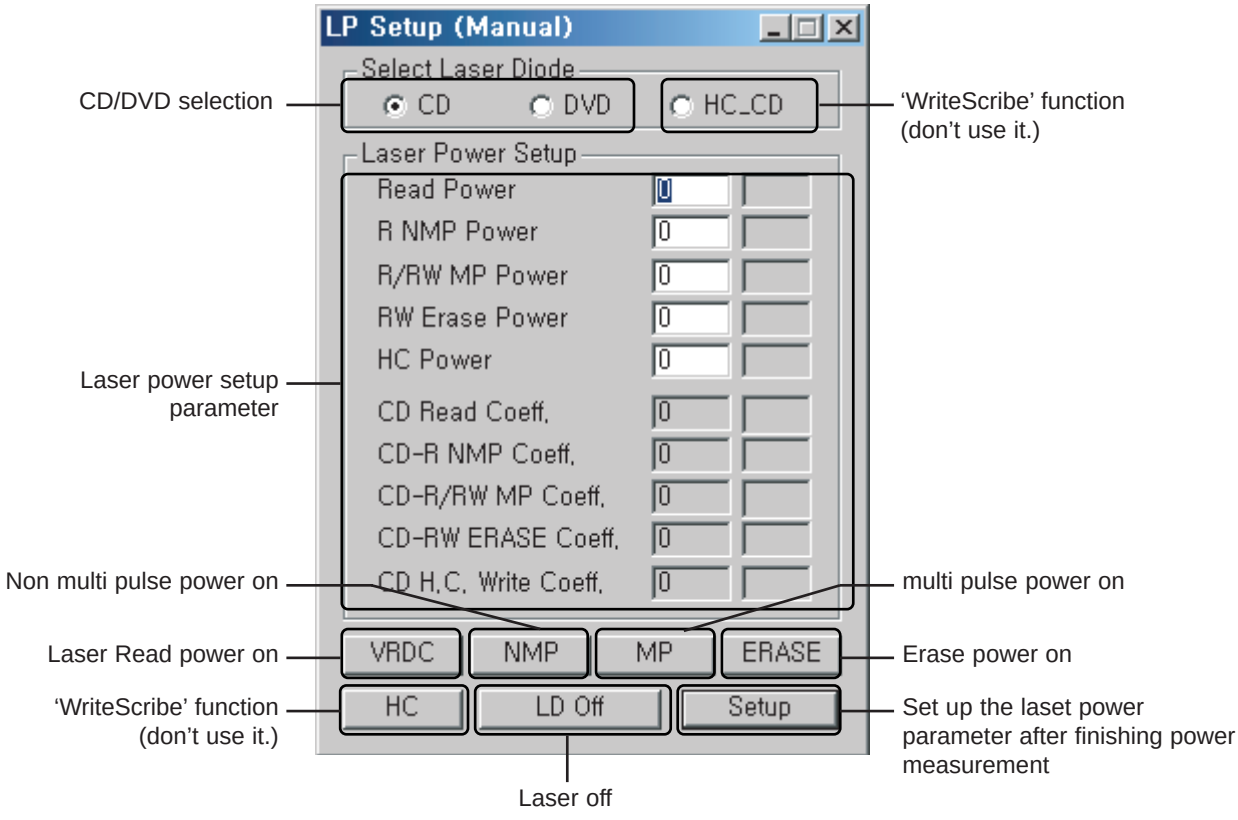
2) Enter the password. It is ‘qaz’.
When you enter the password, turn off the ‘Caps lock’ in your keyboard.



3) Set up the target device.
Press ‘ATAPI’ button on the main dialog of Dragon tool. And find the target device which is GDA-4164L.

4) If the target device setting is completed, execute the ‘Setup Laser Power(Manual)’ in the ‘Alpc/Opc’ menu.



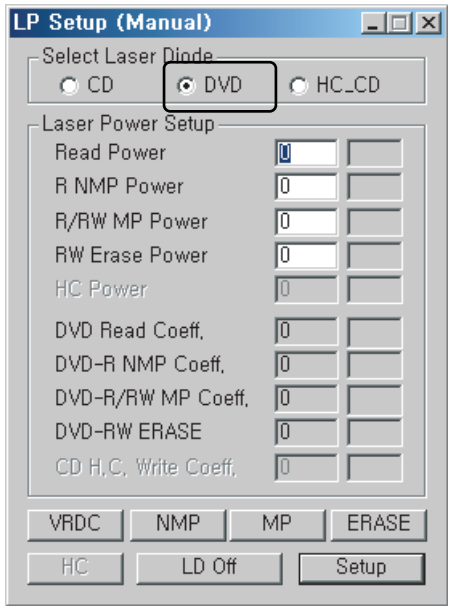


4. OPTICAL POWER SETTING

<Test for checking DVD LD and CD LD>

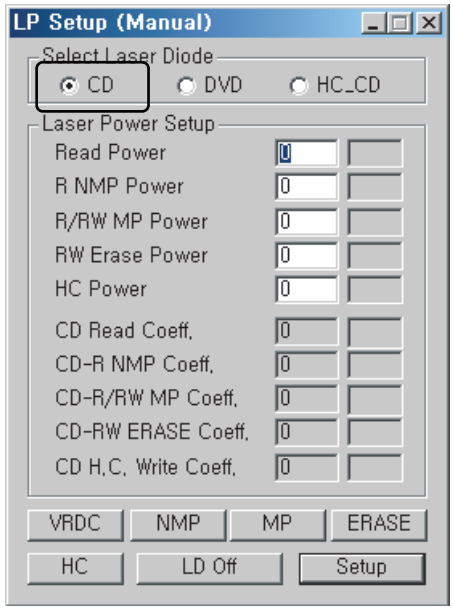
When you change the Travers ass°Øy(including pick-up) or loader PCB, you must do the laser power setting to match pick-up and loader PCB.

1) DVD LD power setting



- Select the DVD in the 'Select Laser Diode'
- Press VRDC (Read Power On, Strong Read light)
- Measure optical read Power.
- Write read power value.
- In case of NMP MP ERASE ,
  you are able to measure the power through same procedure.
  (caution) Don't watch light directly.
- When you finish optical power measurement,
  press LD Off button(LD Off).
- Press Setup button.(save to ERPROM)

2) CD LD Power Setting



- Select the CD in the 'Select Laser Diode'
- Press VRDC .
- Measure optical read Power.
- Write Read Power value.
- Press Setup button(save to ERPROM)

*** In case of CD power setting of RS-01A, loader don't need to set up write power.
Although NMP, MP,Erase and HC power is N.G when you press setup, please ignore the N.G message.
Because of RS-01A only support reading function about CD-R/RW.

* Look at reference sheet to test Optical Power.
**Power value is ß— unit. Value is read power X 100.

5. CONFIRM OPTICAL POWER SETTING PARAMETER

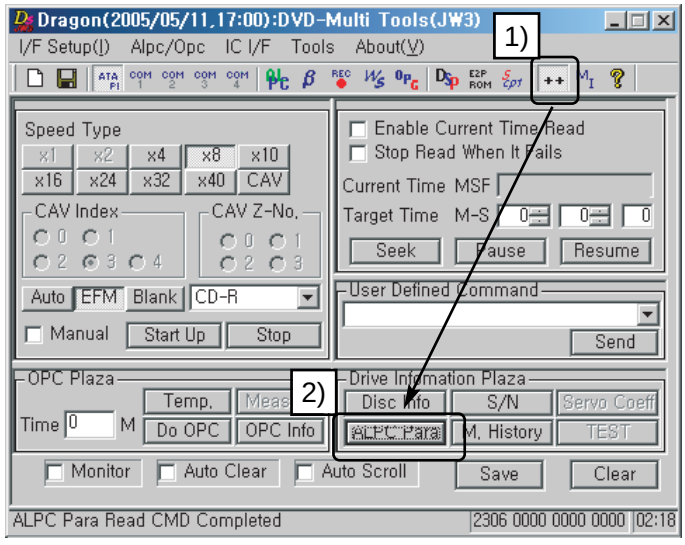
LD Test result is ok, but Loader performance is bad.

1. Check ALPC parameter value

   1) Press [++] button to open 'Results Display' dialog.

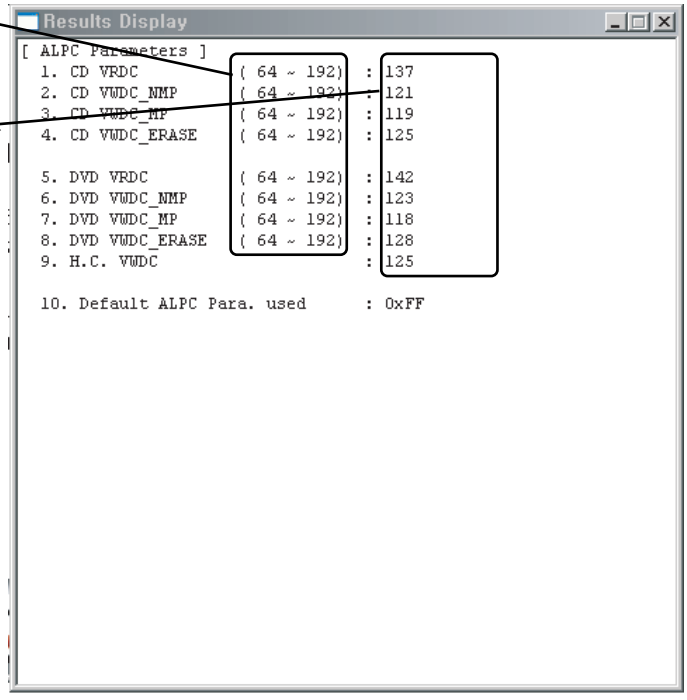
   2) Press [ALPC Para] button.

   - We can see optical power setting value.
   - Write optical Power Setting value to paper.
   - Adjust power setting again.
   - Compare original parameter to new parameter.
   - if parameter value is different highly, original value is wrong or optical power may change.
   - But pick-up LD test is all ok , just adjust optical power setting again.

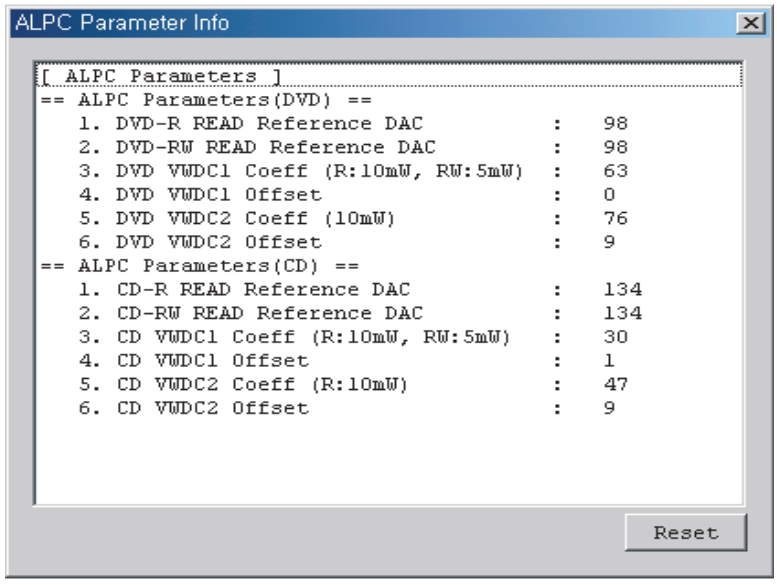


Normal range of ALPC parameter

Optical power value which has been saved in the EEPROM



6. OPTICAL POWER SETTING PARAMETER RANGE



[VALID ALPC Parameters]

< CD >

1) CD-R READ Reference DAC	: 30 ~150
2) CD-RW READ Reference DAC	: 80 ~ 250
3) VWDC1	: 10 ~ 39
4) VWDC1 Offset	: 0 ~ 20
5) VWDC2	: 20 ~ 57
6) VWDC2 Offset	: 0 ~ 20

<DVD>

1) DVD-R READ Reference DAC	: 40 ~145
2) DVD-RW READ Reference DAC	: 40 ~145
3) VWDC1	: 30 ~ 100
4) VWDC1 Offset	: 0 ~ 20
5) VWDC2	: 40 ~ 140
6) VWDC2 Offset	: 0 ~ 20

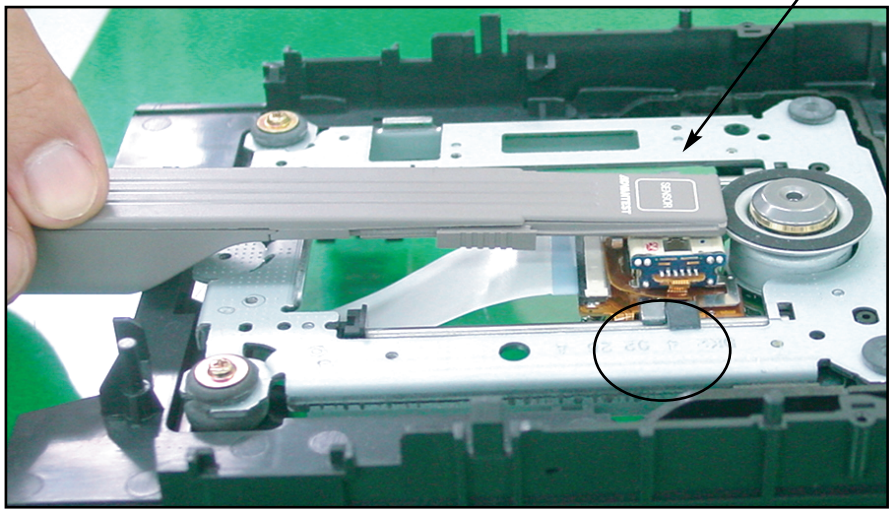
7. ATTACHMENT. OPTICAL POWER MEASUREMENT

Optical Power measurement is to adjust LD power from Pick-up
To measure optical power, LD status is on. Other light affects to optical power.
Avoid other light to measure exact power
Generally headlight power is about 50μW, Sun power is about 100mW.

Optical Power measurement method

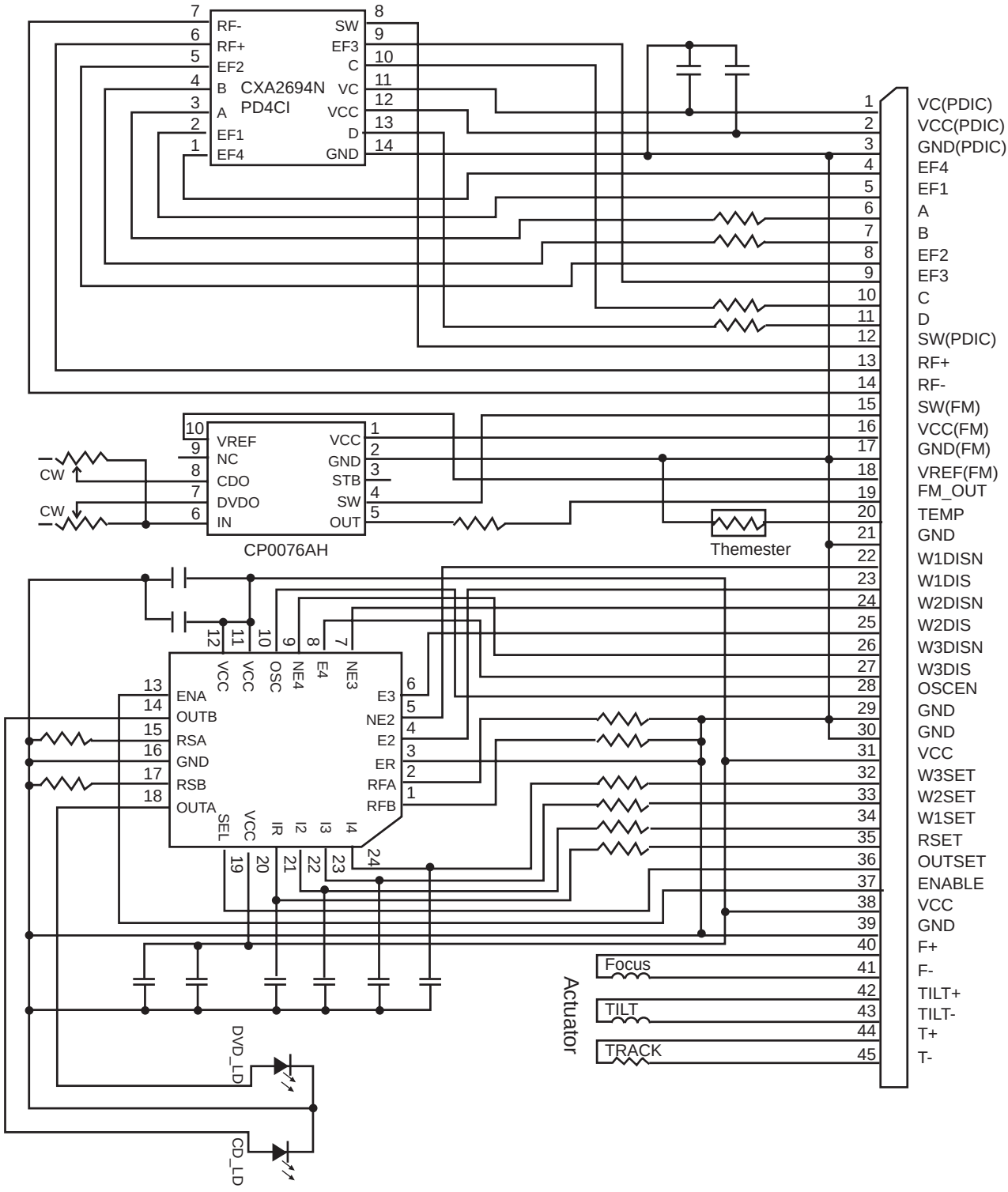
1. Fit optical Power Meter λ(wavelength) value to DVD.(generally 660nm)
2. DVD LD On.
3. Approach power sensor to Pick-up Lens about 3mm vertically. Fix Lens and Sensor ☐ mark position.
4. Read Monitor value. (move sensor read just a little and read max value.)
   (caution) unit is mW.
5. Write monitoring value x 100. Only an integer.
6. Fit opticcal Power Meter λ(wavelength) value to CD.(generally 780nm)
7. CD LD On.
8. 3 ~ 5 recheck.

☐ Display Part



INTERNAL STRUCTURE OF THE PICK-UP

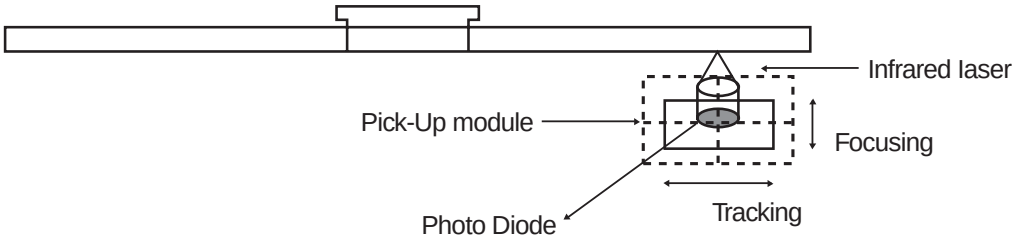
1. BLOCK DIAGRAM OF THE PICK-UP(LPC-812R)



2. PICK UP PIN ASSIGNMENT

No.	Pin Name	Signal Description
45	T-	Tracking Actuator drive signal-
44	T+	Tracking Actuator drive signal+
43	Tilt-	Tilting Actuator drive signal-
42	Tilt+	Tilting Actuator drive signal+
41	F-	Focusing Actuator drive signal-
40	F+	Focusing Actuator drive signal+
39	GND(LDD)	Ground connection for LDD
38	VCC(LDD)	Power supply for LDD
37	ENABLE	Disables output current regardless of OUTEN(ENABLE Low:No lout)
36	OUTSEL	High:selects DVD LD, Low:CD LD
35	RSET	Input voltage for current amplifier
34	W1SET	Input voltage for current amplifier
33	W2SET	Input voltage for current amplifier
32	W3SET	Input voltage for current amplifier
31	VCC(LDD)	Power supply for LDD
30	GND(LDD)	Ground connection for LDD
29	GND(LDD)	Ground connection for LDD
28	OSCEN	TTL control for Oscillator Enable (High Enable)
27	W3DIS	LVDS control for output current (High Enable)
26	W3DISN	LVDS control for output current (Low Enable)
25	W2DIS	LVDS control for output current (High Enable)
24	W2DISN	LVDS control for output current (Low Enable)
23	W1DIS	LVDS control for output current (High Enable)
22	W1DISN	LVDS control for output current (Low Enable)
21	GND(FPD)	Ground connection for PDIC, FPD, TEMP
20	TEMP	Output voltage for controlling temperature
19	FPD-OUT	APC amplifier output
18	VREF(FPD)	APC amplifier reference voltage output
17	GND(TEMP)	Ground connection for PDIC, FPD, TEMP
16	VCC(FPD)	Power supply for FPD
15	SW2(FPD)	FPD output gain Select (High : CD, Low:DVD)
14	RF-	Signal PDIC RF negative differential output
13	RF+	Signal PDIC RF positive differential output
12	SW1(PDIC)	PDIC output gain Select (L/M/H)
11	D	Signal PDIC output D
10	C	Signal PDIC output C
9	EF3	Signal PDIC output EF3
8	EF2	Signal PDIC output EF2
7	B	Signal PDIC output B
6	A	Signal PDIC output A
5	EF1	Signal PDIC output EF1
4	EF4	Signal PDIC output EF4
3	GND(PDIC)	Ground connection for PDIC, FPD, TEMP, LDD
2	VCC(PDIC)	Power supply for PDIC(+5V)
1	VC(PDIC)	Reference voltage input for PDIC)

3. SIGNAL DETECTION OF THE P/U



1) Focus Error Signal ==> (A+C)-(B+D)

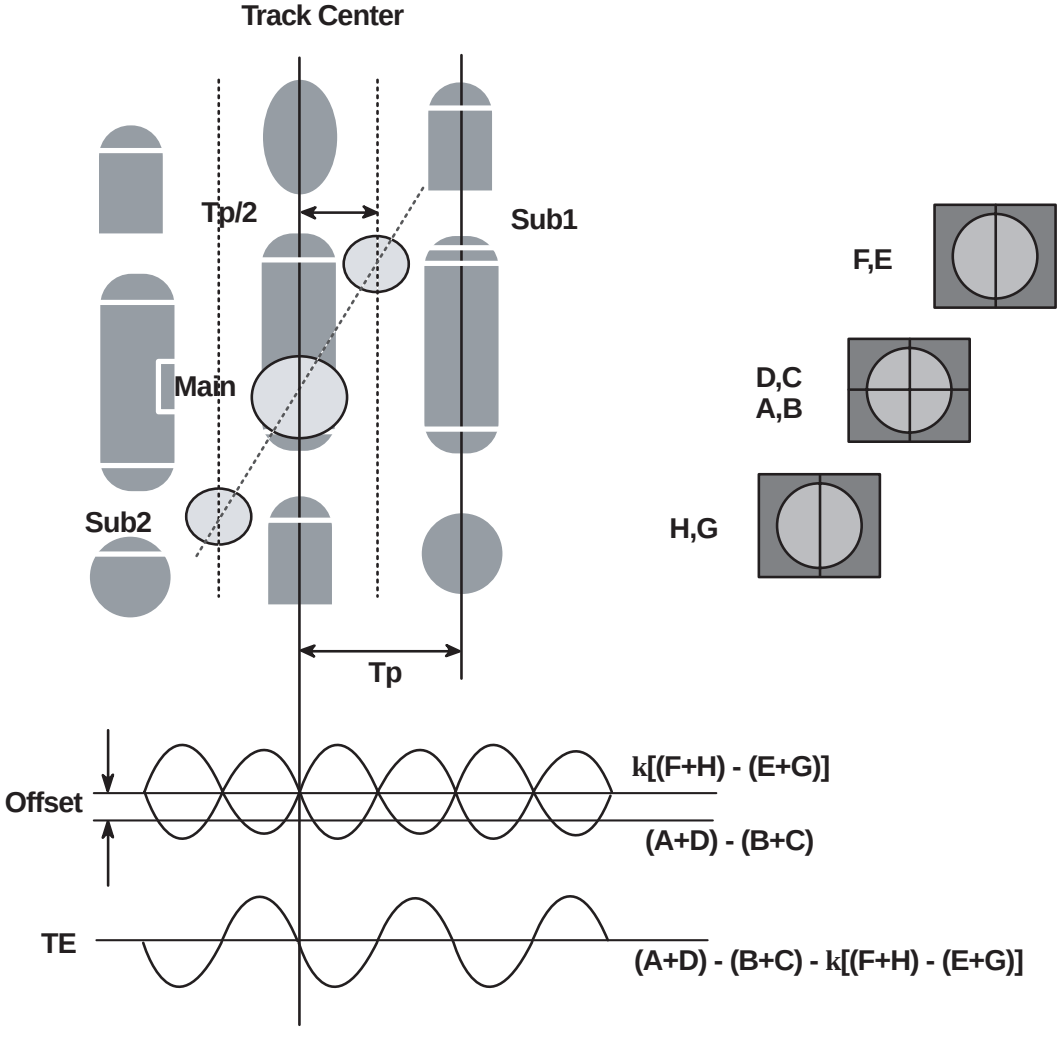
This signal is generated in RF IC (LIC121 : AN22113A) and controls the pick-up's up and down to focus on Disc.

2) Tracking Error Signal (DPP Method) ==> {(A+D)-(B+C)}- *k* x {(EF_1+EF_4)-(EF_2+EF_3)}

This signal is generated in RF IC (LIC121 : AN22113A) and controls the pick-up's left and right shift to find to track on Disc.

3) RF Signal ==> (A+B+C+D)

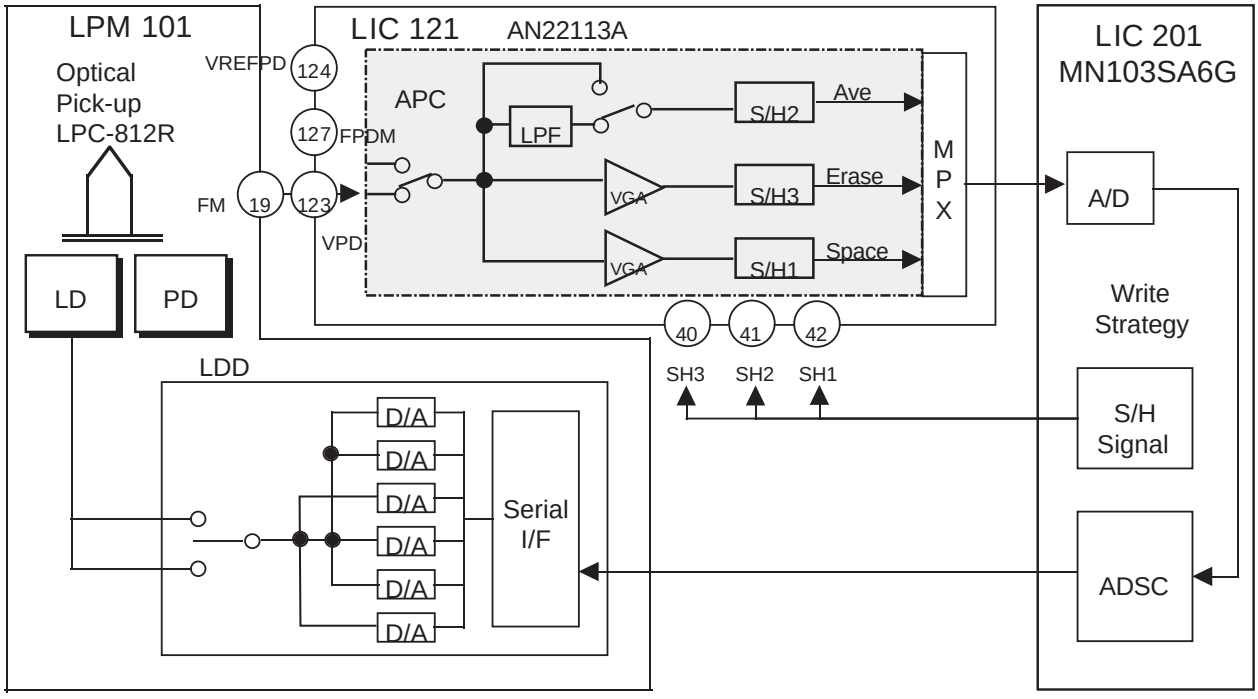
This signal is converted to DATA signal in DSP IC (LIC201 : MN103SA6G).



DESCRIPTION OF CIRCUIT

1. ALPC (AUTOMATIC LASER POWER CONTROL) CIRCUIT

1-1. BLOCK DIAGRAM

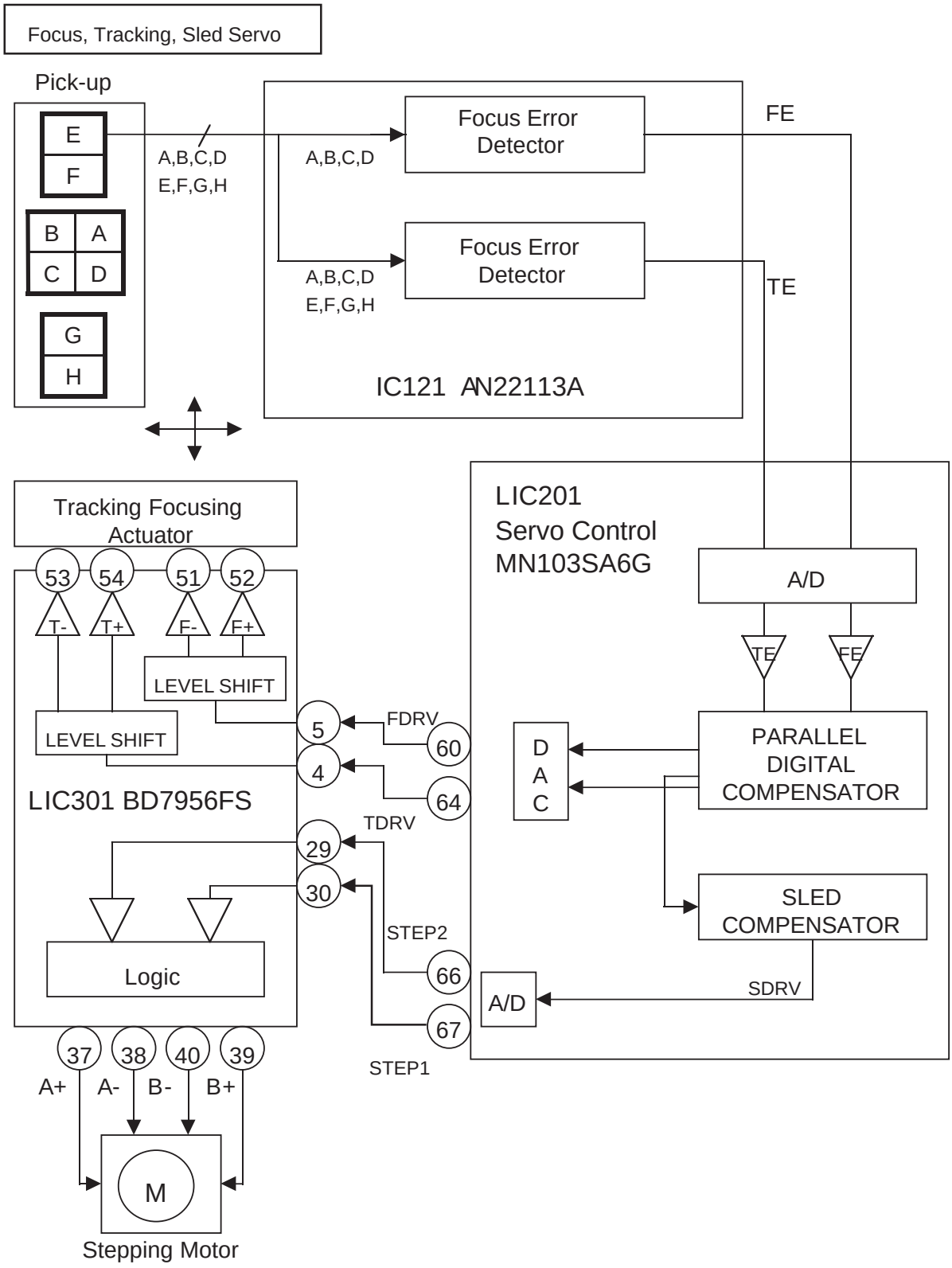


1-2. ALPC (AUTOMATIC LASER POWER CONTROL) CIRCUIT OPERATION

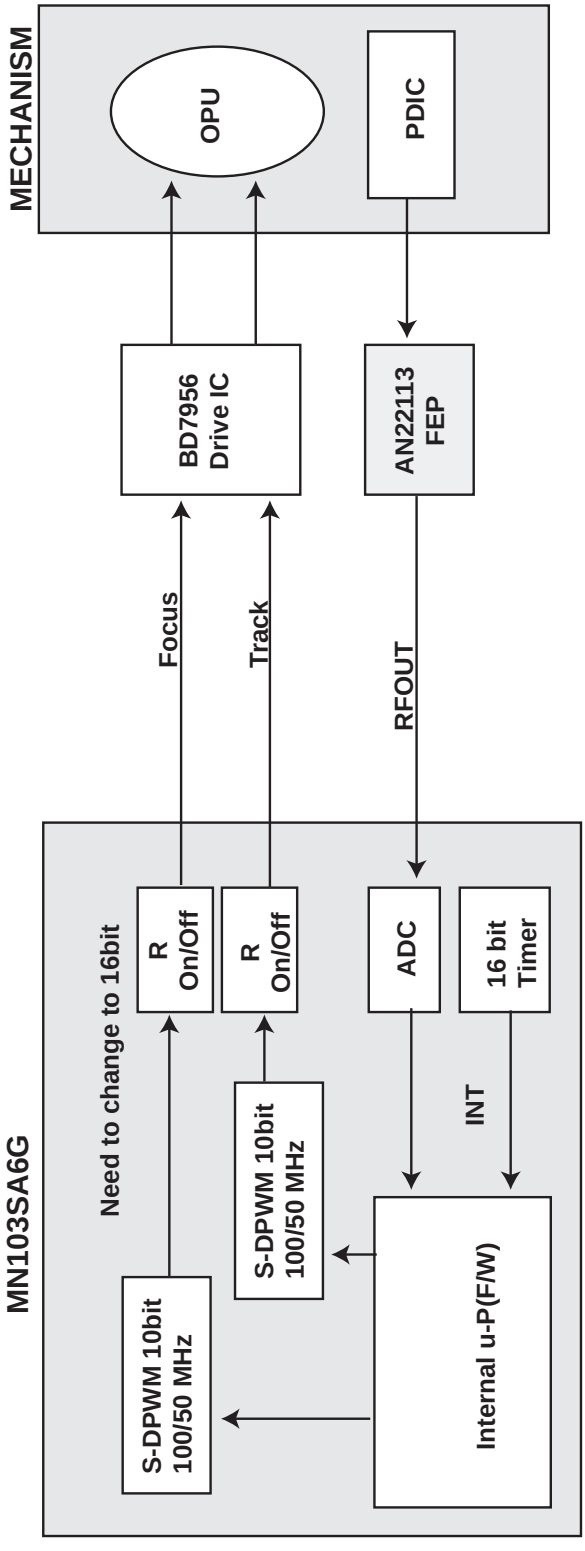
THE ALPC BLOCK DETECTS THE LASER OUTPUT POWER OF THE FRONT MONITOR. THE POWER SIGNAL DETECTED WITH THE PD FOR FRONT MONITOR
DETECTION IS INPUT THE VOLTAGE FROM THE VPD PIN(123PIN) OR THE FPDM PIN(127PIN), THE REFERENCE SIGNAL OF THE INPUT SIGNAL IS
INPUT FROM THE VREFPD PIN(124PIN). THE ALPC BLOCK GENERATES THE SINGALS FROM THE INPUT LASER POWER SIGNALS IN THE
FOLLOWING DETECTION SYSTEMS. THIS BLOCK HAS FOUR DETECTION PATHS:ALL AVERAGE VALUE PATH, MULTI PULSE AVERAGE/PEAK VALUE
DETECTION PATH, ERASE/BOTTOM VALUE DETECTION PATH, SPACE/PLAYBACK POWER VALUE DETECTION PATH.

2. FOCUS/TRACKING/SLED SERVO CIRCUIT

2-1. FOCUS, TRACKING & SLED SERVO PROCESS

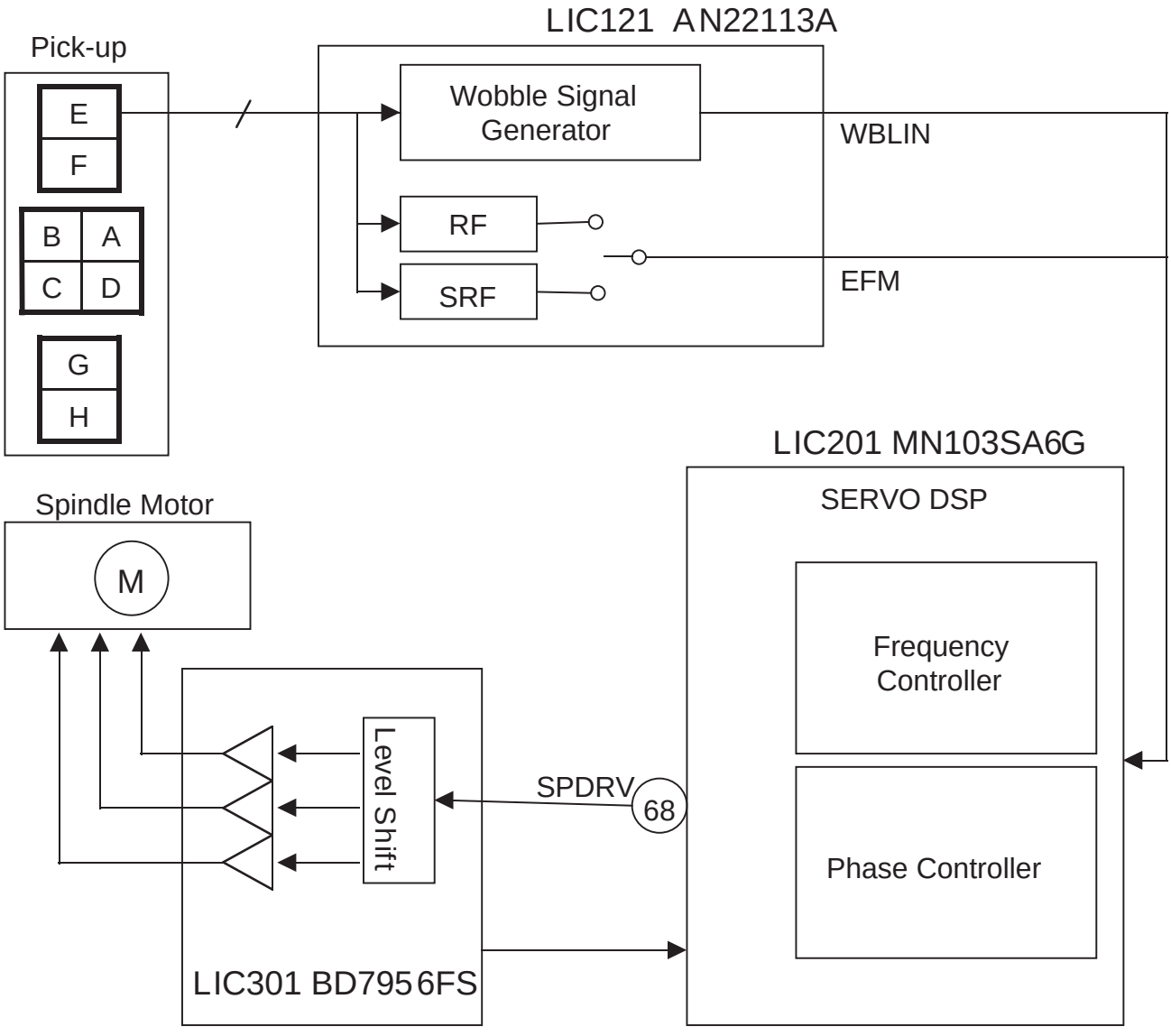


2-1. FOCUS, TRACKING & SLED SERVO PROCESS



3. SPINDLE SERVO CIRCUIT

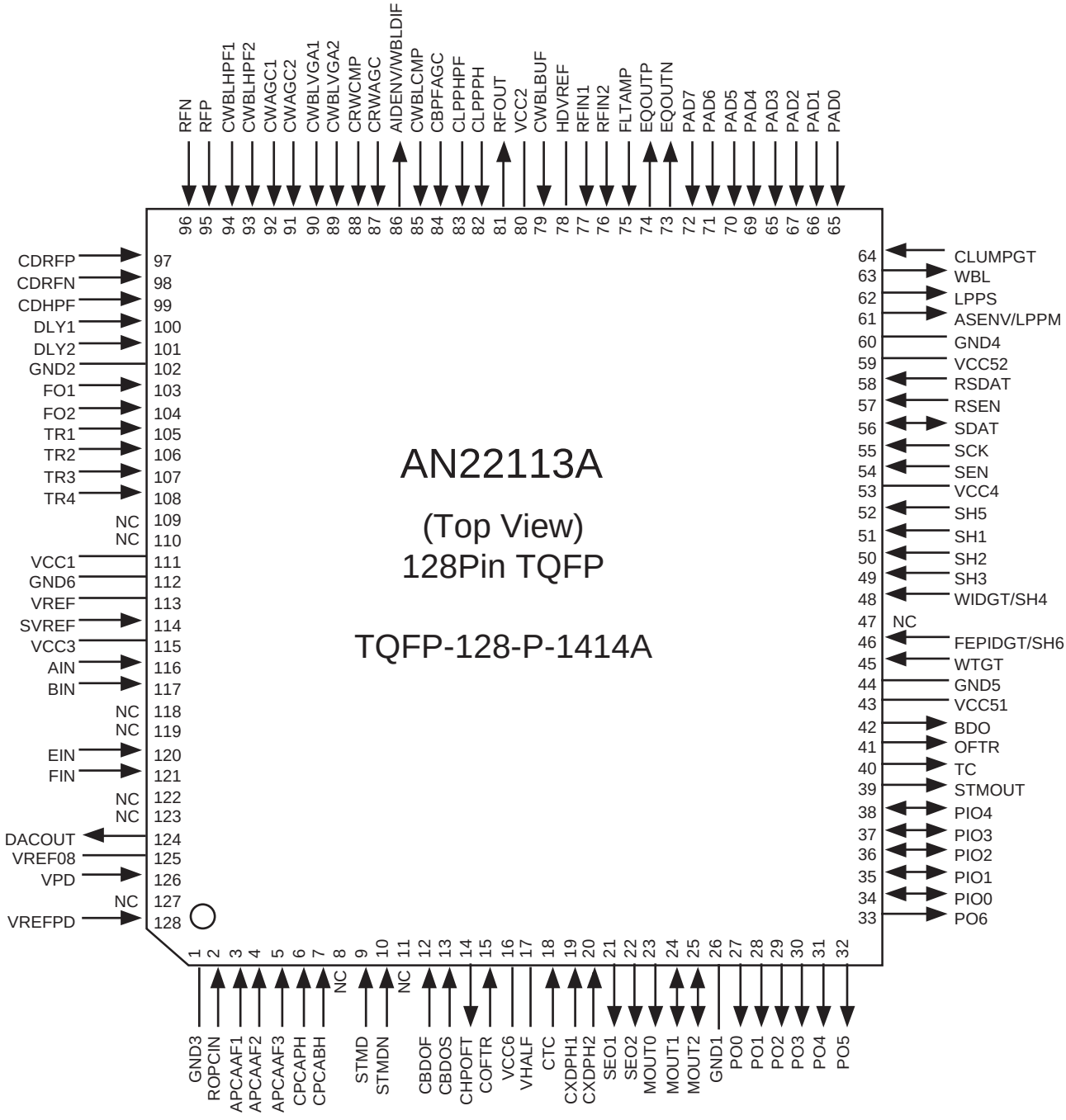
3-1. SPINDLE SERVO PROCESS



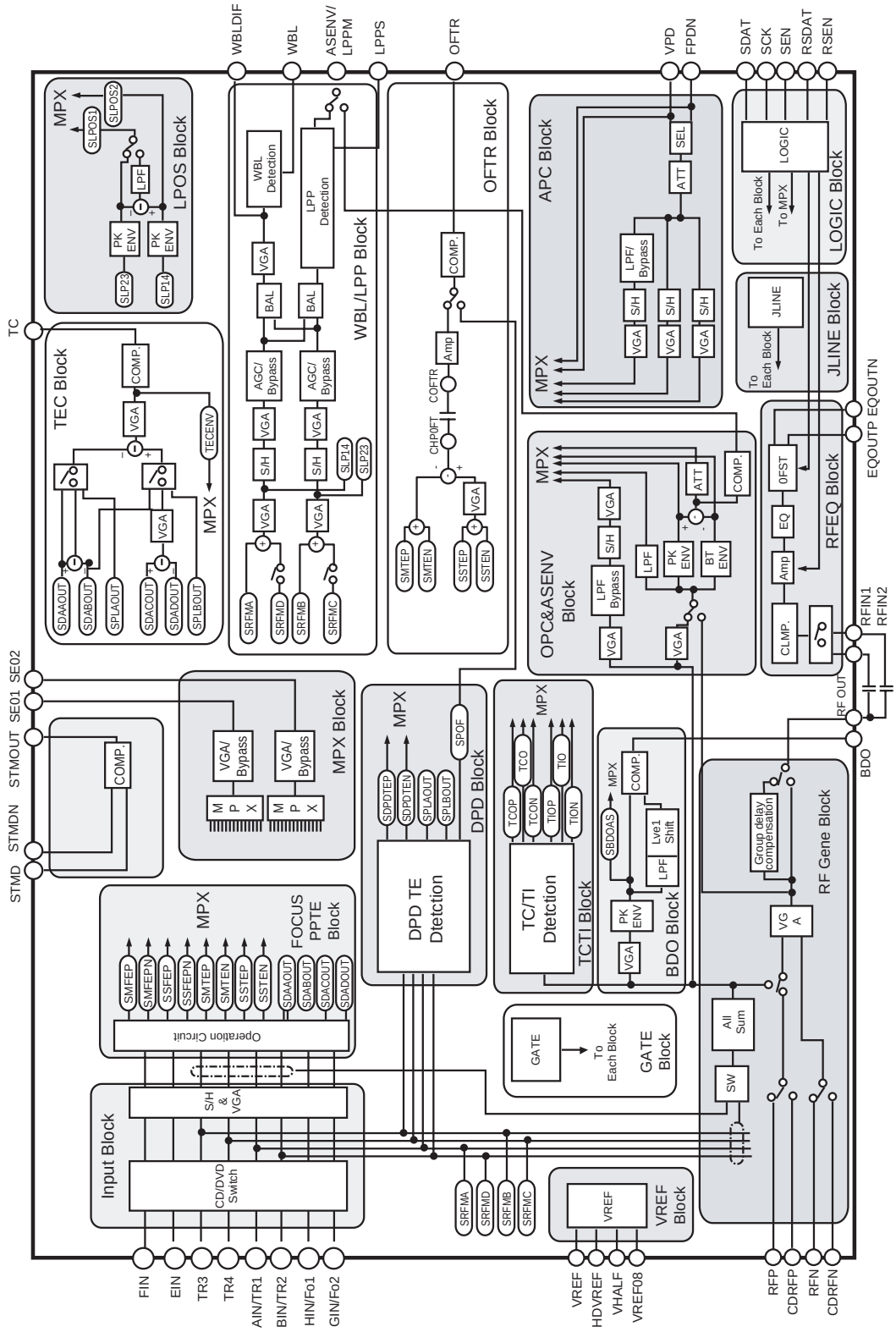
MAJOR IC INTERNAL BLOCK DIAGRAM

LIC121 (AN22113A) : FEP(RF) ANALOG SIGNAL PROCESSOR

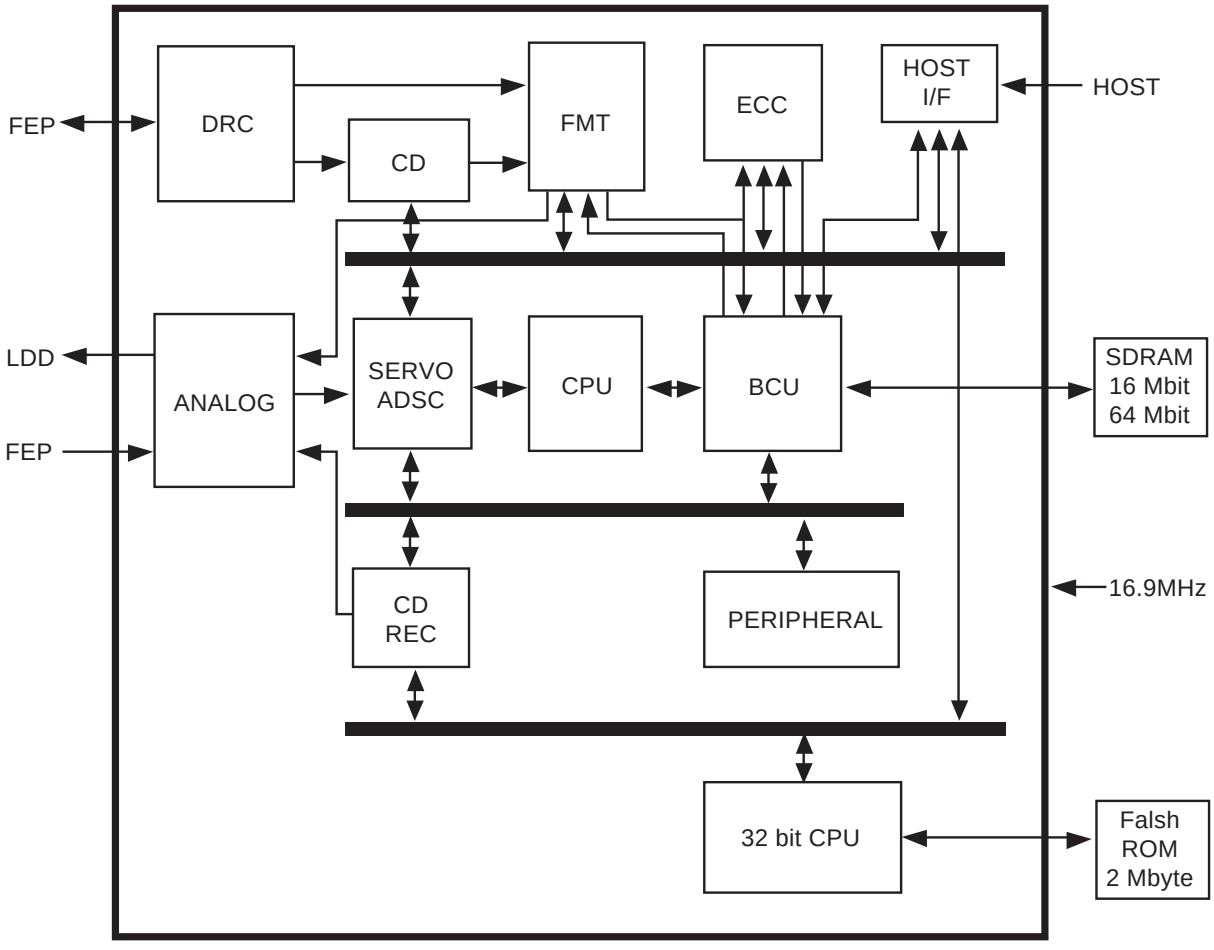
• PIN ASSIGNMENT



• BLOCK DIAGRAM

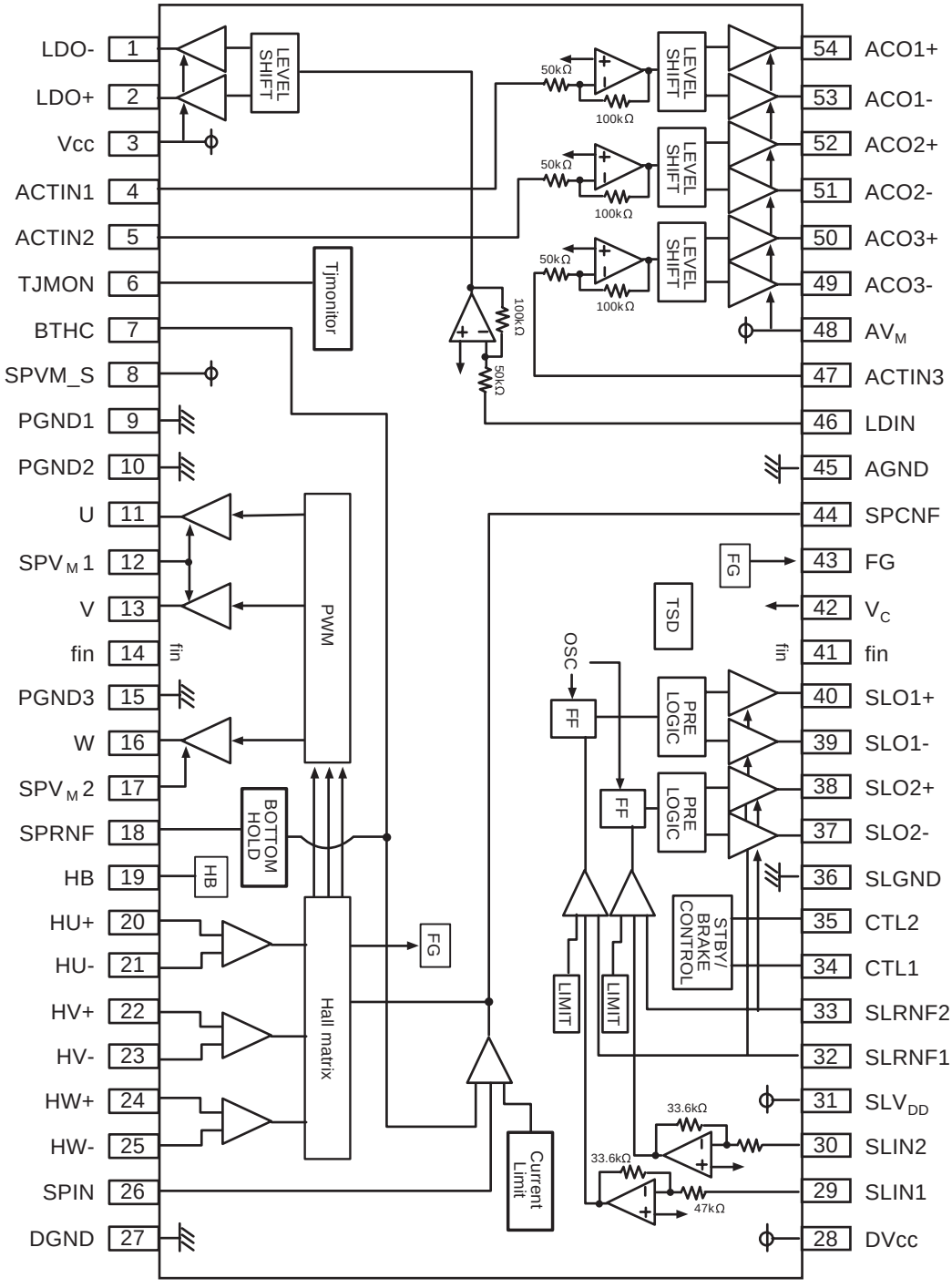


• BLOCK DIAGRAM



IC301 (BD7956FS) : CD-ROM/DVD-ROM 7CH POWER DRIVER

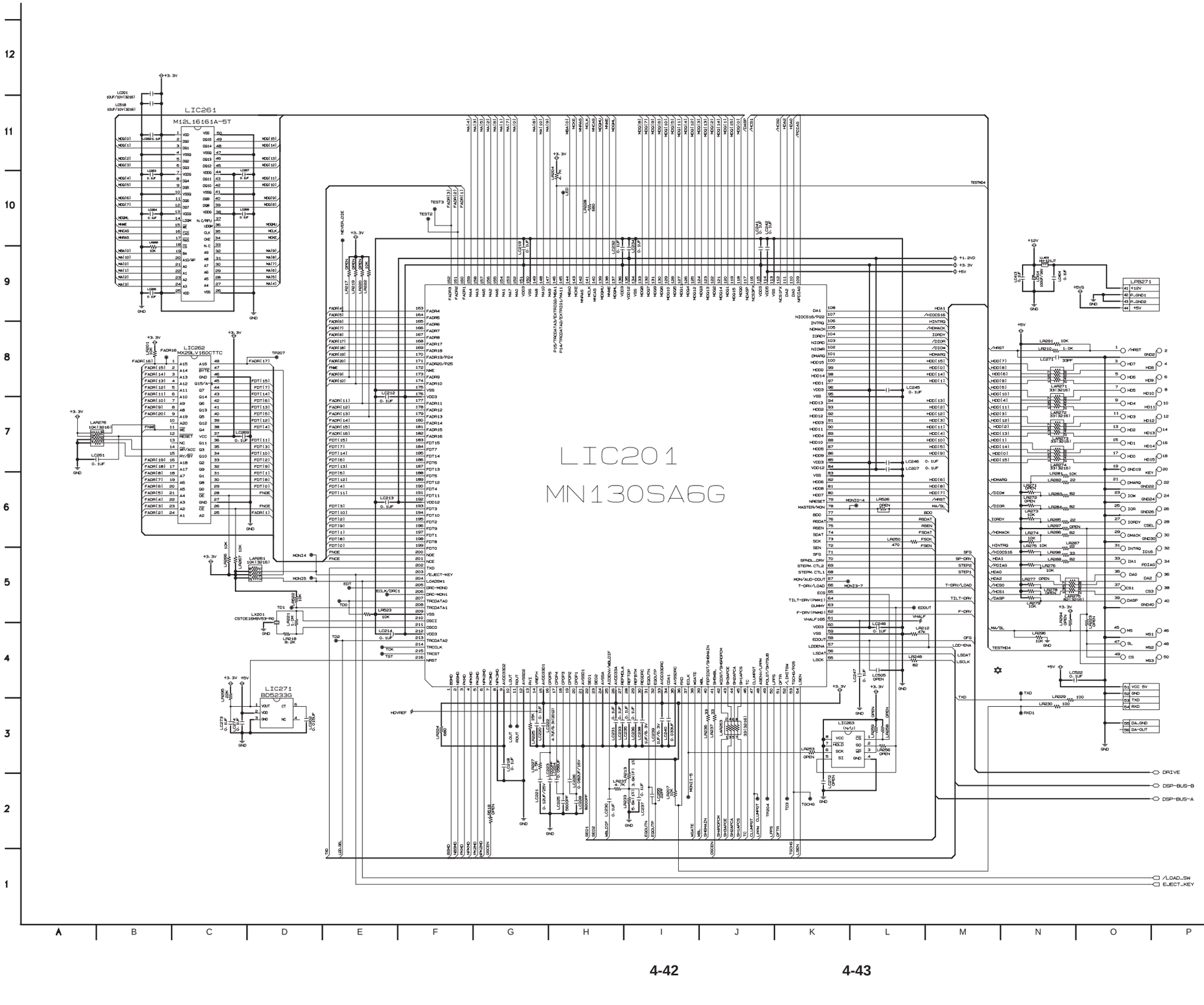
• BLOCK DIAGRAM



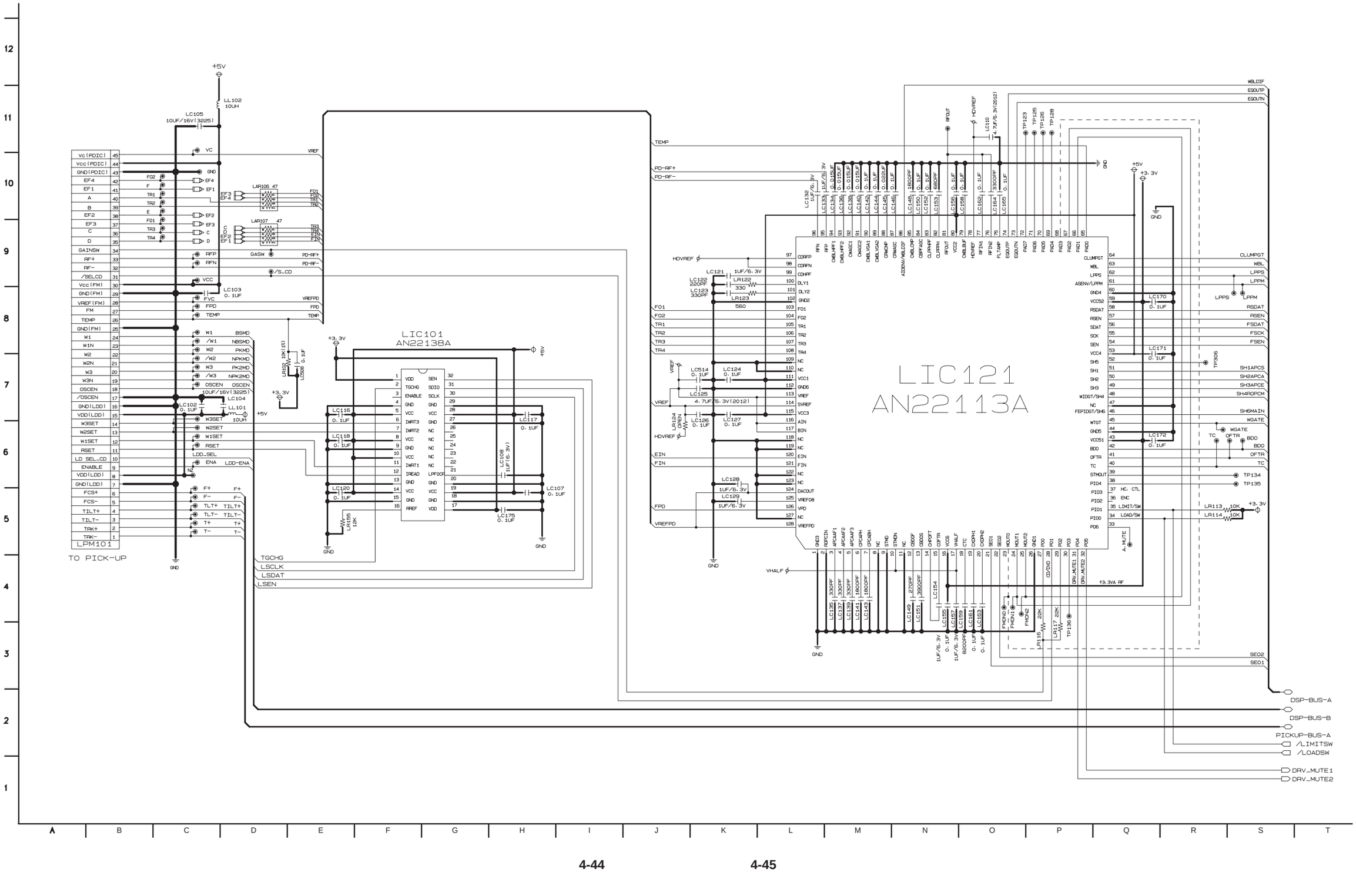
MEMO

CIRCUIT DIAGRAMS

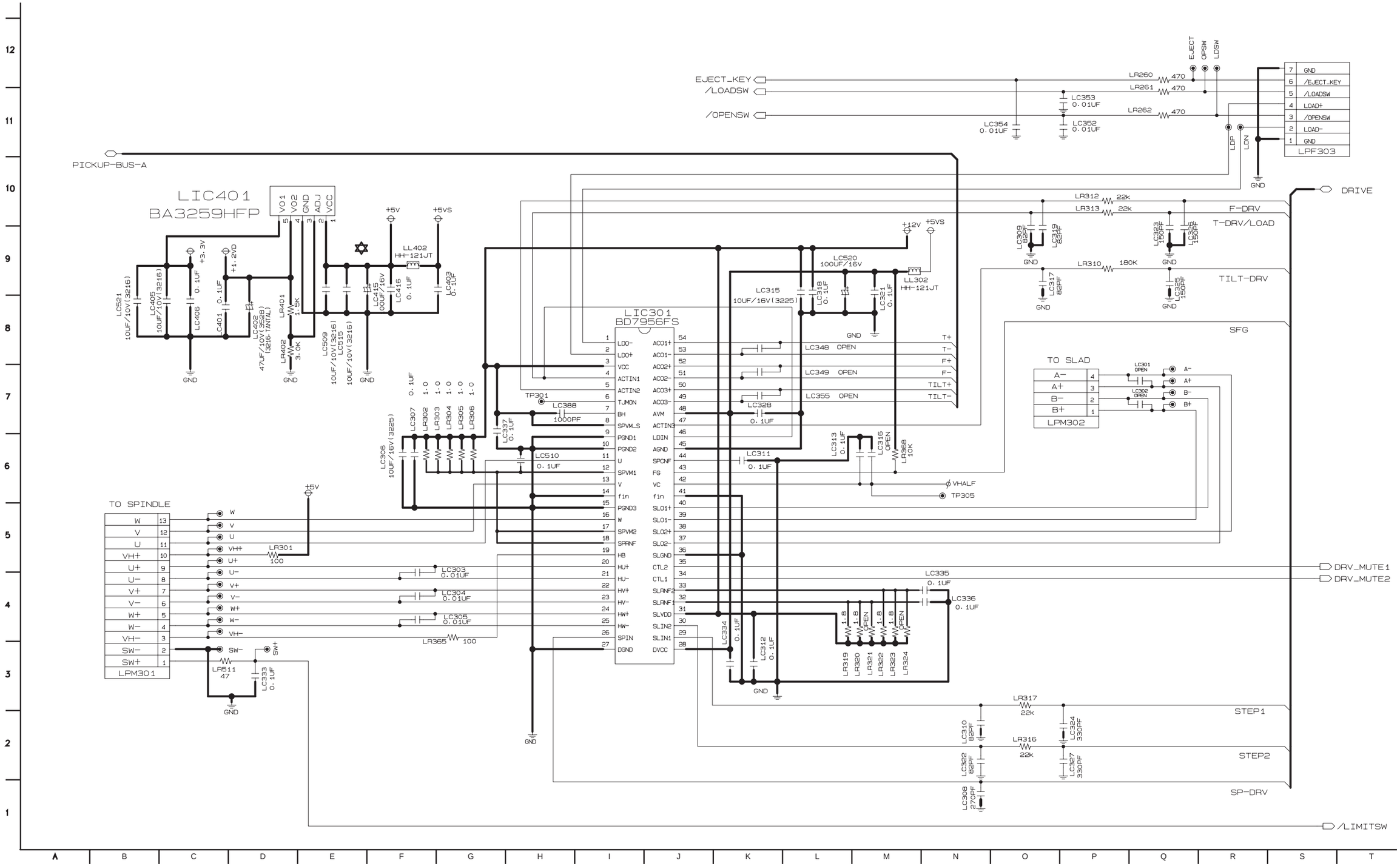
1. DSP CIRCUIT DIAGRAM



2. RF CIRCUIT DIAGRAM



3. DRIVE CIRCUIT DIAGRAM



CIRCUIT VOLTAGE CHART

MODE / PIN NO.	STATE
LIC101	
1	3.29
2	0.00
3	3.28
4	0.00
5	4.99
6	0.00
7	0.00
8	4.98
9	0.00
10	4.99
11	0.00
12	0.00
13	0.00
14	4.99
15	0.00
16	1.09
17	3.28
18	0.00
19	4.99
20	0.00
21	0.00
22	0.00
23	0.00
24	4.97
25	0.00
26	0.00
27	0.00
28	4.97
29	0.00
30	3.29
31	0.36
32	0.00
LIC121	
1	0.00
2	0.00
3	1.69
4	1.64
5	1.66
6	2.67
7	2.60
8	0.00
9	0.00
10	1.65
11	0.00
12	0.25
13	1.58
14	1.82
15	2.20
16	3.29
17	1.65
18	1.56
19	0.00
20	2.50
21	1.42

MODE / PIN NO.	STATE
22	1.57
23	1.33
24	1.10
25	1.33
26	0.00
27	0.00
28	3.30
29	0.00
30	0.00
31	0.00
32	0.00
33	0.00
34	0.00
35	3.20
36	3.29
37	0.00
38	0.00
39	0.00
40	0.00
41	1.61
42	3.29
43	3.30
44	0.00
45	0.00
46	0.00
47	0.00
48	0.00
49	0.00
50	0.00
51	0.00
52	0.00
53	4.96
54	1.23
55	1.65
56	1.62
57	1.65
58	0.61
59	3.29
60	0.00
61	0.00
62	0.00
63	2.95
64	3.29
65	1.21
66	1.34
67	1.16
68	1.34
69	1.35
70	0.50
71	0.70
72	0.00
73	2.03
74	2.03
75	2.14
76	0.30

MODE / PIN NO.	STATE
77	2.19
78	2.19
79	2.16
80	4.98
81	2.18
82	2.96
83	2.14
84	2.79
85	2.21
86	2.49
87	2.85
88	2.20
89	2.16
90	2.19
91	2.19
92	1.68
93	1.67
94	2.37
95	2.37
96	2.19
97	2.19
98	2.19
99	1.62
100	1.49
101	1.44
102	0.00
103	1.65
104	1.65
105	1.65
106	1.65
107	1.65
108	1.65
109	0.00
110	0.00
111	4.96
112	0.00
113	1.65
114	1.65
115	4.96
116	1.65
117	1.65
118	0.00
119	0.00
120	1.65
121	1.66
122	0.00
123	0.00
124	2.51
125	0.81
126	2.50
127	0.00
128	2.50
LIC201	
1	1.65
2	1.19

MODE / PIN NO.	STATE
3	1.64
4	1.18
5	1.65
6	1.19
7	0.14
8	0.00
9	3.30
10	1.65
11	1.65
12	0.00
13	1.50
14	2.19
15	3.30
16	0.27
17	0.27
18	0.23
19	0.00
20	0.25
21	0.00
22	1.43
23	1.57
24	0.00
25	2.01
26	3.29
27	3.28
28	2.24
29	1.73
30	1.29
31	2.02
32	2.03
33	3.28
34	0.85
35	0.00
36	3.28
37	0.00
38	0.00
39	2.95
40	0.00
41	0.00
42	0.00
43	0.00
44	0.00
45	0.00
46	3.29
47	3.29
48	0.00
49	0.00
50	0.00
51	0.00
52	0.70
53	0.00
54	0.00
55	3.29
56	0.56
57	0.00

MODE / PIN NO.	STATE
58	1.17
59	0.00
60	3.27
61	1.65
62	1.65
63	1.06
64	0.00
65	0.20
66	1.65
67	0.00
68	1.69
69	1.52
70	1.65
71	5.00
72	1.23
73	1.63
74	1.60
75	1.50
76	0.61
77	3.28
78	0.00
79	3.26
80	2.80
81	2.14
82	2.67
83	0.00
84	1.17
85	3.27
86	2.82
87	2.20
88	2.40
89	2.70
90	2.20
91	2.70
92	2.20
93	2.20
94	2.20
95	0.00
96	3.28
97	2.20
98	2.18
99	2.18
100	2.17
101	0.00
102	3.27
103	2.15
104	0.00
105	3.27
106	0.00
107	4.96
108	0.00
109	4.96
110	0.00
111	1.66
112	0.00

MODE / PIN NO.	STATE
113	0.00
114	4.96
115	3.28
116	3.25
117	0.00
118	PULSE
119	PULSE
120	PULSE
121	PULSE
122	PULSE
123	PULSE
124	PULSE
125	PULSE
126	PULSE
127	PULSE
128	PULSE
129	PULSE
130	PULSE
131	PULSE
132	PULSE
133	PULSE
134	0.00
135	1.17
136	3.29
137	3.29
138	3.29
139	3.29
140	3.29
141	2.68
142	3.28
143	0.00
144	0.00
145	0.00
146	PULSE
147	PULSE
148	PULSE
149	PULSE
150	0.00
151	3.29
152	PULSE
153	PULSE
154	PULSE
155	PULSE
156	PULSE
157	PULSE
158	PULSE
159	PULSE
160	PULSE
161	PULSE
162	PULSE
163	PULSE
164	PULSE
165	PULSE
166	PULSE
167	PULSE

MODE / PIN NO.	STATE
168	PULSE
169	PULSE
170	PULSE
171	PULSE
172	PULSE
173	PULSE
174	PULSE
175	0.00
176	3.29
177	PULSE
178	PULSE
179	PULSE
180	PULSE
181	PULSE
182	PULSE
183	PULSE
184	PULSE
185	PULSE
186	PULSE
187	PULSE
188	PULSE
189	PULSE
190	PULSE
191	PULSE
192	1.17
193	PULSE
194	PULSE
195	PULSE
196	PULSE
197	PULSE
198	PULSE
199	PULSE
200	PULSE
201	PULSE
202	PULSE
203	3.28
204	0.00
205	3.26
206	3.26
207	0.00
208	0.00
209	0.00
210	OSC
211	OSC
212	3.28
213	0.00
214	0.00
215	0.00
216	3.28
LIC261	
1	3.29
2	PULSE
3	PULSE
4	0.00
5	PULSE

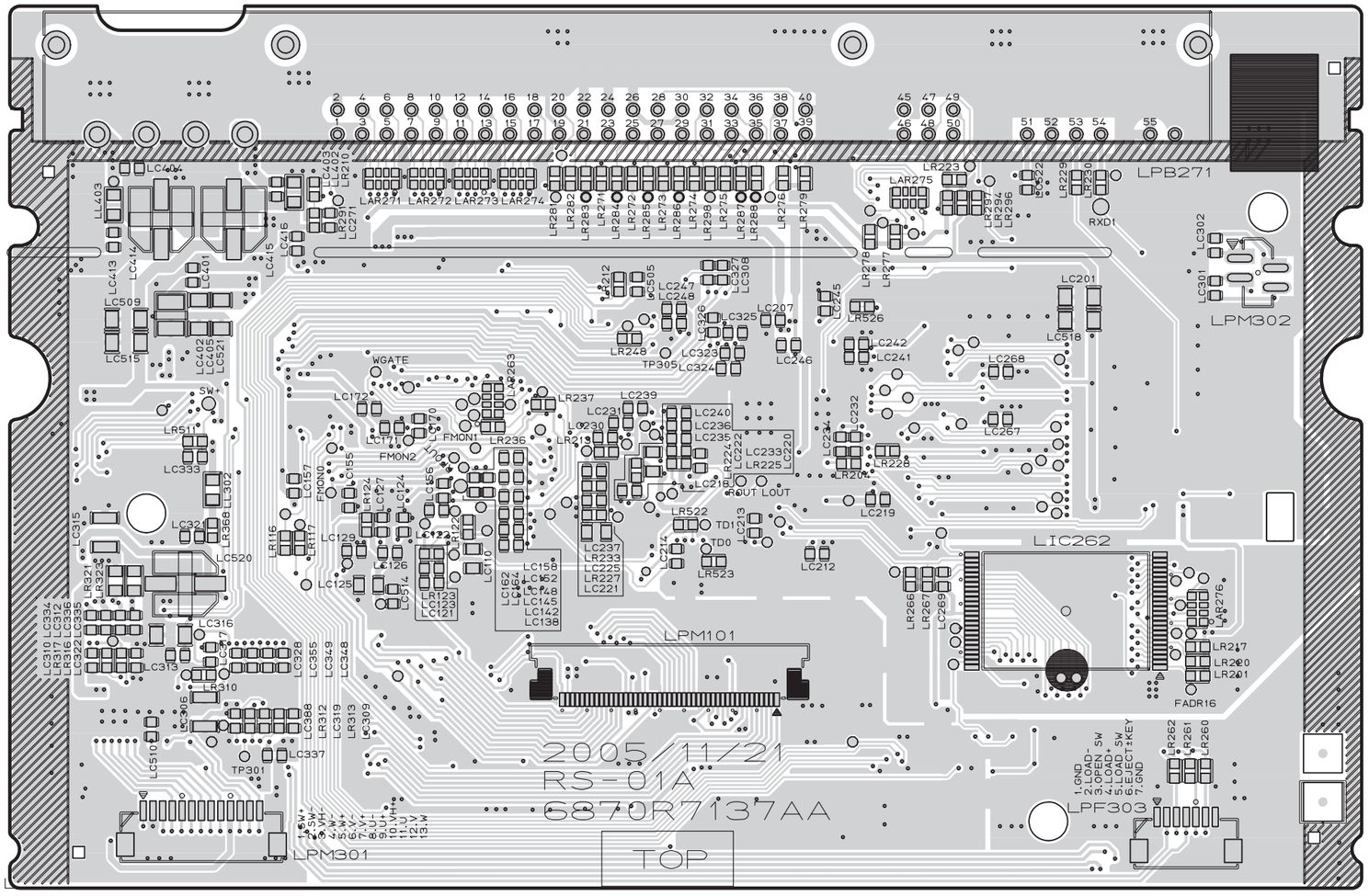
MODE / PIN NO.	STATE
6	PULSE
7	3.29
8	PULSE
9	PULSE
10	0.00
11	PULSE
12	PULSE
13	3.29
14	PULSE
15	PULSE
16	PULSE
17	PULSE
18	0.00
19	PULSE
20	PULSE
21	PULSE
22	PULSE
23	PULSE
24	PULSE
25	3.28
26	0.00
27	PULSE
28	PULSE
29	PULSE
30	PULSE
31	PULSE
32	PULSE
33	PULSE
34	PULSE
35	PULSE
36	PULSE
37	PULSE
38	3.29
39	PULSE
40	PULSE
41	PULSE
42	PULSE
43	PULSE
44	PULSE
45	PULSE
46	PULSE
47	PULSE
48	3.29
49	PULSE
50	PULSE
51	PULSE
52	0.00
LIC262	
1	PULSE
2	PULSE
3	PULSE
4	PULSE
5	PULSE
6	PULSE
7	PULSE
8	PULSE
9	PULSE

MODE / PIN NO.	STATE
10	
11	
12	
13	
14	
15	
16	PULSE
17	PULSE
18	PULSE
19	PULSE
20	PULSE
21	PULSE
22	PULSE
23	PULSE
24	PULSE
25	PULSE
26	PULSE
27	0.00
28	PULSE
29	PULSE
30	PULSE
31	PULSE
32	PULSE
33	PULSE
34	PULSE
35	PULSE
36	PULSE
37	
38	PULSE
39	PULSE
40	PULSE
41	PULSE
42	PULSE
43	PULSE
44	PULSE
45	PULSE
46	0.00
47	
48	PULSE
LIC271	
1	3.28
2	4.99
3	0.00
4	0.00
5	3.00
LIC301	
1	-
2	-
3	12.65
4	1.65
5	1.65
6	0.58
7	11.80
8	12.64
9	0.00

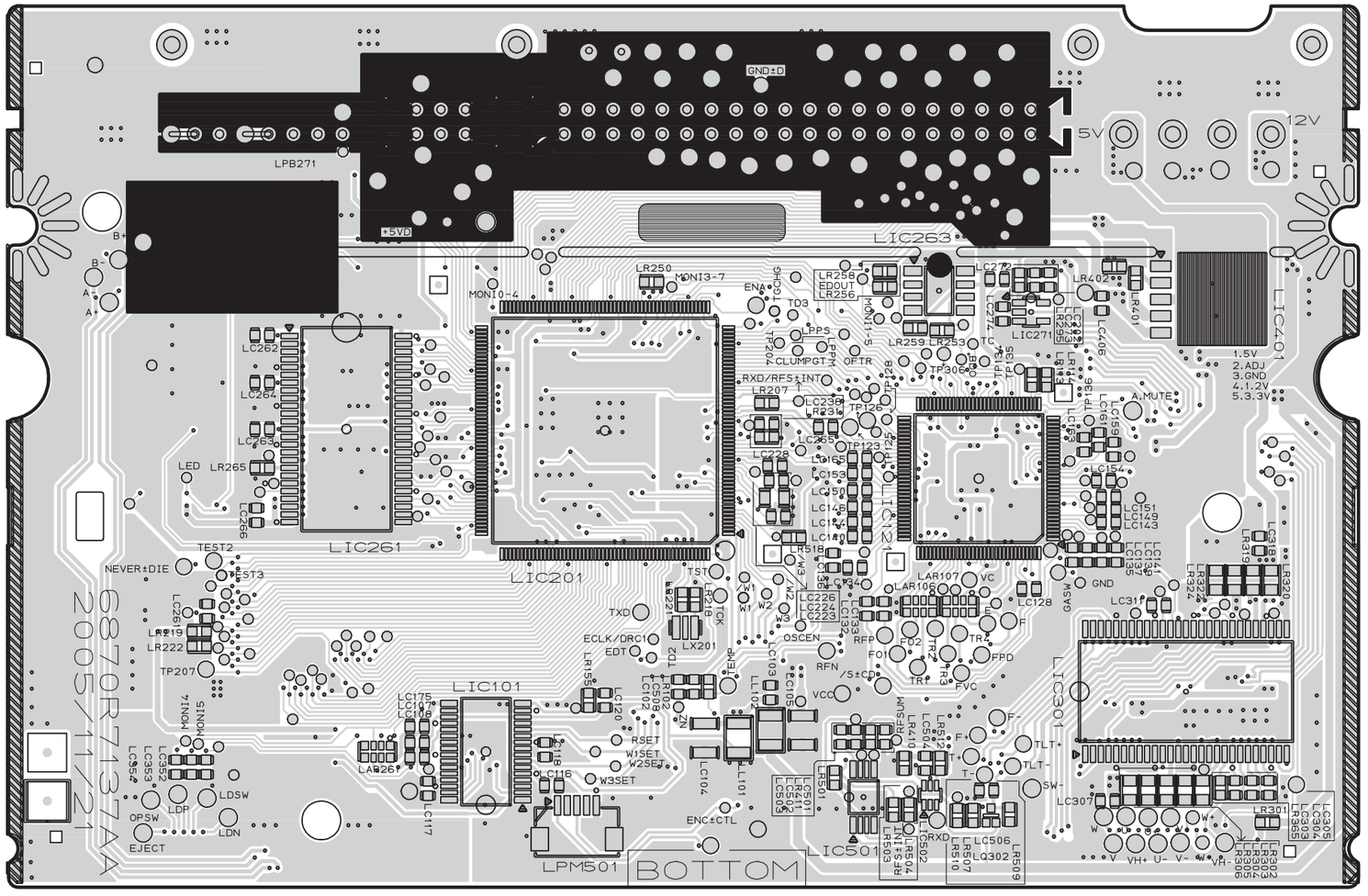
MODE / PIN NO.	STATE
10	0.00
11	-
12	12.65
13	-
14	0.00
15	0.00
16	-
17	12.65
18	12.65
19	4.99
20	4.98
21	4.99
22	4.98
23	4.98
24	4.98
25	4.98
26	1.65
27	0.00
28	5.00
29	1.69
30	1.52
31	12.64
32	12.64
33	12.64
34	0.00
35	0.00
36	0.00
37	0.37
38	1.09
39	1.10
40	1.11
41	0.00
42	1.65
43	4.99
44	0.00
45	0.00
46	1.65
47	1.62
48	4.99
49	0.32
50	0.33
51	0.32
52	0.32
53	0.32
54	0.33
LIC401	
1	4.99
2	0.79
3	0
4	1.17
5	3.29

PRINTED CIRCUIT DIAGRAMS

1. MAIN P.C.BOARD (TOP VIEW)



2. MAIN P.C.BOARD (BOTTOM VIEW)



NOTES) If you want to purchase Flash memory, you must order " IC1302A "

NOTES) ⚠ Warning
Parts that are shaded are critical with respect to risk of fire or electrical shock.

SECTION 5 REPLACEMENT PARTS LIST

MODEL : DR1F9H(LGEUS)

RUN DATE : 17-FEBRUARY-06

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		***	**INDIVIDUAL PARTS**	***		
		250	3110R-D034G	CASE	DR1000 PRESS TOP S-MULTI B6432	
		251	5040R-0069Q	RUBBER	DVD DV9000S OTHER 05 NEW FOOT	
		253	4810R-8002A	BRACKET	DVD RH1000 PRESS HDMI	
		272	4811R-8001B	BRACKET ASSEMBLY	DVD RH1000/DR100 JACK	
		273	4811R-8003C	BRACKET ASSEMBLY	DVD DR100 MEMORY (W/ PCB) NEW	
⚠		300	6410RAHK02D	POWER CORD	KJ-10W/NISPT-2(ST-HS:80MM) WIT	
		463	1SZZR-0098G	SCREW,DRAWING	+ 2 D3.0 L8.0 MSWR3/FZMCW-1 3C	
		463	1SZZR-0098G	SCREW,DRAWING	+ 2 D3.0 L8.0 MSWR3/FZMCW-1 3C	
		465	1SZZR-0097N	SCREW,DRAWING	+ 2 D3.0 L8.0 MSWR3/FZB 3CR BK	
		468	1SZZR-0098J	SCREW,DRAWING	+ 2 D3.0 L6.5 MSWR3/FZMCY-1 3	
		468	1SZZR-0098J	SCREW,DRAWING	+ 2 D3.0 L6.5 MSWR3/FZMCY-1 3	
		471	1SZZR-0098Y	SCREW,DRAWING	+ 2 D3.0 L24.0 MSWR3/FZB 3CR B	
		801	3835RD0087T	INSTRUCTION ASSEMBLY	DVD DR1F9M-AA1ULL	
		802	3890R-C333Y	BOX	DR1F9M AA1ULL SWM3-A	
		803	3920R-E193A	PACKING	VCR RH18 RH19 . VIDEO	
		804	3858R-S001A	SHEET (MECH)	Packing LDPE 600M 630MM 0.5 VC	NSP
		808	534-008C	BATTERY,MANGANESE	AAAM(R03) SEOTONG 1-5 V - 1PA	
		832	3008R-0010J	DISC	DVD CMCW02(DVD-RW) CMC FOR PAP	
		900	6711R1N206A	REMOTE CONTROLLER ASSEMBLY	V2 MBR DR199M SUPER MULTI LG	
		A56	6871RZ8974C	PWB(PCB) ASSEMBLY,OTHERS	ATA16V2M2C-LGDAV19(C) DR100 SE	
		CABLE3	6850R-EA08V	CABLE,FLAT	P=0.5 FFC UL2896 SPECIAL 80 C-	
		CABLE5	6850R-EA18Y	CABLE,FLAT	P=0.5 FFC UL2896 SPECIAL 180 C	
		CABLE9	6631R-H007A	CONNECTOR ASSEMBLY	CH6A7/JE201-04P 4P 80M/M UL100	
		***	**CABLE ASSEMBLY**	***		
		810	6851R-0039A	CABLE ASSEMBLY	NTSC RF 1.8M + 1W YELLOW 1.8M	
		806	6850R-CAA8E	CABLE,COAXIAL	RF CABLE NTSC KOREA/AMERICA/JA	
		811	6850R-PAA8F	CABLE,COAXIAL	1 WAY COAXIAL DT_HY_HIT_SEIL 1	
		812	6850R-PBA8H	CABLE,COAXIAL	2 WAY COAXIAL RED_WHITE DT_HY	
		***	**BOARD ASSEMBLY**	***		
		A52	3501R-1893S	BOARD ASSEMBLY	DVD DR1F9M.AA1ULL SUPER MULTI	
		BD801	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD802	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD803	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD804	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD805	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD807	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD808	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD809	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD811	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD812	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD813	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD814	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD815	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD816	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		BD817	6200HJC901A	FILTER(CIRC),EMC	CF106B1H101MF SAMHWA TAPING 2.	
		C151	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C153	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C154	0CE477CD638	CAPACITOR,FIXED ELECTROLYTIC	470UF SHL,SD 10V 20% FM5 TP 5	
		C155	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C157	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C159	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C160	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C162	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C165	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C166	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C601	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C606	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C701	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C705	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C706	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C708	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C711	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C721	0CZZR00034A	CAPACITOR,DRAWING	22UF SRA,SS 16V 20% FM5 TP 5 (	
		C734	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C735	0CE4775C618	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FL TP 5	
		C739	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C741	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C767	0CE4775C618	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FL TP 5	
		C768	0CE4754K638	CAPACITOR,FIXED ELECTROLYTIC	4.7UF SRA,SS 50V 20% FM5 TP 5	
		C772	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C776	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C777	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C778	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C780	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C805	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C809	0CZZR00034A	CAPACITOR,DRAWING	22UF SRA,SS 16V 20% FM5 TP 5 (	
		C825	0CZZR00034A	CAPACITOR,DRAWING	22UF SRA,SS 16V 20% FM5 TP 5 (	
		C828	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C839	0CZZR00034A	CAPACITOR,DRAWING	22UF SRA,SS 16V 20% FM5 TP 5 (	
		C846	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C851	0CZZR00034A	CAPACITOR,DRAWING	22UF SRA,SS 16V 20% FM5 TP 5 (	
		C862	0CZZR00034A	CAPACITOR,DRAWING	22UF SRA,SS 16V 20% FM5 TP 5 (	
		C863	0CZZR00034A	CAPACITOR,DRAWING	22UF SRA,SS 16V 20% FM5 TP 5 (	
		C864	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C865	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C866	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C868	0CZZR00034A	CAPACITOR,DRAWING	22UF SRA,SS 16V 20% FM5 TP 5 (	
		C870	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C881	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C882	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C884	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C885	0CZZR00034A	CAPACITOR,DRAWING	22UF SRA,SS 16V 20% FM5 TP 5 (	
		C887	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C888	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C8A7	0CZZR00034A	CAPACITOR,DRAWING	22UF SRA,SS 16V 20% FM5 TP 5 (	
		C8A8	0CZZR00034A	CAPACITOR,DRAWING	22UF SRA,SS 16V 20% FM5 TP 5 (	
		C8B6	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C8B7	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C8B8	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C8B9	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		C8D3	0CE3364F638	CAPACITOR,FIXED ELECTROLYTIC	33UF SRA,SS 16V 20% FM5 TP 5	
		C8D4	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C902	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C904	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C905	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C906	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C907	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C908	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C910	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C911	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C913	0CE1064F638	CAPACITOR,FIXED ELECTROLYTIC	10UF SRA,SS 16V 20% FM5 TP 5	
		C914	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		IC704	0IKE704200B	IC,POWER MANAGEMENT	KIA7042P(AT) TO-92 4.2V RESET	
		IC706	0IKE703100A	IC,LINEAR	KIA7031P 3P 3.1V RESET(TAPING)	
		Q155	0TR127109AA	TRANSISTOR,BIPOLARS	KTA1271Y (KTA950) KEC TP TO92	
		Q158	0TR126809BA	TRANSISTOR,BIPOLARS	KTA1268-BL TP KEC - -	
		Q161	0TR126809BA	TRANSISTOR,BIPOLARS	KTA1268-BL TP KEC - -	
		Q164	0TR320309AA	TRANSISTOR,BIPOLARS	KTC3203 KEC TP TO92 50V 150MA	
		X702	6212AA2148F	RESONATOR,CRYSTAL	HC-49S KITELCO 14.31818MHZ +/-	
		C161	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C168	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C602	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C618	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C707	0CH4561K412	CAPACITOR,FIXED CERAMIC(HIGH D	560PF 50V 5% NP0 1608 R/TP	
		C709	0CH4240K412	CAPACITOR,FIXED CERAMIC(HIGH D	24PF 50V 5% NP0 1608 R/TP	
		C710	0CH1105F942	CAPACITOR,FIXED CERAMIC(TEMP.C	1000000PF 16V 80%,-20% Y5V(F)	
		C712	0CH1102K562	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% X7R(X) 1608 R/T	
		C713	0CH4150K412	CAPACITOR,FIXED CERAMIC(HIGH D	15PF 50V 5% NP0 1608 R/TP	
		C714	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C715	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C720	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C722	0CH1103K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% B(5YP) 1608 R/T	
		C723	0CH1102K562	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% X7R(X) 1608 R/T	
		C727	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C729	0CH4150K412	CAPACITOR,FIXED CERAMIC(HIGH D	15PF 50V 5% NP0 1608 R/TP	
		C730	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C731	0CH4270K412	CAPACITOR,FIXED CERAMIC(HIGH D	27PF 50V 5% NP0 1608 R/TP	
		C732	0CH1102K562	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% X7R(X) 1608 R/T	
		C733	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C749	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C761	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C764	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C765	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C771	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C774	0CH1105F942	CAPACITOR,FIXED CERAMIC(TEMP.C	1000000PF 16V 80%,-20% Y5V(F)	
		C781	0CH1105D942	CAPACITOR,FIXED CERAMIC(TEMP.C	1UF 10V 80%,-20% Y5V(F) 1608 R	
		C804	0CH4151K412	CAPACITOR,FIXED CERAMIC(HIGH D	150PF 50V 5% NP0 1608 R/TP	
		C808	0CH4681K416	CAPACITOR,FIXED CERAMIC(HIGH D	680PF 50V 5% NP0 2012 R/TP	
		C811	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C820	0CH1102K562	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% X7R(X) 1608 R/T	
		C821	0CH1102K562	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% X7R(X) 1608 R/T	
		C829	0CH4681K416	CAPACITOR,FIXED CERAMIC(HIGH D	680PF 50V 5% NP0 2012 R/TP	
		C832	0CH4681K416	CAPACITOR,FIXED CERAMIC(HIGH D	680PF 50V 5% NP0 2012 R/TP	
		C834	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C835	0CH4151K412	CAPACITOR,FIXED CERAMIC(HIGH D	150PF 50V 5% NP0 1608 R/TP	
		C837	0CH4681K416	CAPACITOR,FIXED CERAMIC(HIGH D	680PF 50V 5% NP0 2012 R/TP	
		C840	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C841	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C843	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C844	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C847	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C848	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C849	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C852	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C853	0CH4270K412	CAPACITOR,FIXED CERAMIC(HIGH D	27PF 50V 5% NP0 1608 R/TP	
		C854	0CH4101K412	CAPACITOR,FIXED CERAMIC(HIGH D	100PF 50V 5% NP0 1608 R/TP	
		C855	0CH4101K412	CAPACITOR,FIXED CERAMIC(HIGH D	100PF 50V 5% NP0 1608 R/TP	
		C856	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C858	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C860	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C861	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C867	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C883	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C889	0CH1102K562	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% X7R(X) 1608 R/T	
		C890	0CH1102K562	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% X7R(X) 1608 R/T	
		C8B1	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C8B2	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C8B3	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C8B4	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C8B5	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C901	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C915	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C916	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C917	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C918	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C919	0CH1225F946	CAPACITOR,FIXED CERAMIC(TEMP.C	2.2UF 16V 80%,-20% Y5V(F) 2012	
		C920	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C921	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C922	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C923	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C924	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C925	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C926	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C927	0CH4560K412	CAPACITOR,FIXED CERAMIC(HIGH D	56PF 50V 5% NP0 1608 R/TP	
		C928	0CK225CF94A	CAPACITOR,FIXED CERAMIC(HIGH D	2.2UF 1608 16V 80%,-20% F(Y5V)	
		C929	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C930	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C931	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C932	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C933	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C934	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C935	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C936	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C937	0CH1474K942	CAPACITOR,FIXED CERAMIC(TEMP.C	470000PF 50V 80%,-20% Y5V(F) 1	
		C938	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C939	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C940	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C941	0CH4270K412	CAPACITOR,FIXED CERAMIC(HIGH D	27PF 50V 5% NP0 1608 R/TP	
		C943	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C944	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C945	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C946	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C949	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C950	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C951	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C952	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C953	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C956	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C957	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C960	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C961	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C963	0CK225CF94A	CAPACITOR,FIXED CERAMIC(HIGH D	2.2UF 1608 16V 80%,-20% F(Y5V)	
		C965	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C966	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C967	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C968	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C970	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C971	0CH1225F946	CAPACITOR,FIXED CERAMIC(TEMP.C	2.2UF 16V 80%,-20% Y5V(F) 2012	
		C972	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C973	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C975	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C976	0CH1225F946	CAPACITOR,FIXED CERAMIC(TEMP.C	2.2UF 16V 80%,-20% Y5V(F) 2012	
		C977	0CH1225F946	CAPACITOR,FIXED CERAMIC(TEMP.C	2.2UF 16V 80%,-20% Y5V(F) 2012	
		C979	0CH1225F946	CAPACITOR,FIXED CERAMIC(TEMP.C	2.2UF 16V 80%,-20% Y5V(F) 2012	
		C980	0CH1225F946	CAPACITOR,FIXED CERAMIC(TEMP.C	2.2UF 16V 80%,-20% Y5V(F) 2012	
		C981	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C985	0CH1474K942	CAPACITOR,FIXED CERAMIC(TEMP.C	470000PF 50V 80%,-20% Y5V(F) 1	
		C986	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C987	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C988	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C989	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C990	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C991	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C992	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		C993	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C995	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		C999	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		D152	0DS121009AA	DIODE,SWITCHING	KDS121 TP KEC UMT 85V - - 1.6N	
		D153	0DS121009AA	DIODE,SWITCHING	KDS121 TP KEC UMT 85V - - 1.6N	
		D701	0DS121009AA	DIODE,SWITCHING	KDS121 TP KEC UMT 85V - - 1.6N	
		D802	0DS121009AA	DIODE,SWITCHING	KDS121 TP KEC UMT 85V - - 1.6N	
		D803	0DS121009AA	DIODE,SWITCHING	KDS121 TP KEC UMT 85V - - 1.6N	
		D901	0DS121009AA	DIODE,SWITCHING	KDS121 TP KEC UMT 85V - - 1.6N	
		IC154	0IPMG78350A	IC,POWER MANAGEMENT	I1680L-TP INTERPION 8PIN,SOP R	
		IC701	0IMCR02254A	IC,MICRO CONTROLLER	MN101D10F LS MATSUSHITA 100PIN	
		IC703	0IPRPMT002A	IC,PERIPHERALS	MM1510XNRE MITSUMI 6,SOT-26A R	
		IC705	0ISS241610B	IC,SAMSUNG ELECTRONICS	S524A60X51-SCT0 8P SOP TP EEPR	
		IC801	0IJR458000B	IC,JRC	NJM4580M 8,DMP8 TP OP AMP 2K/R	
		IC802	0IPRPRH017A	IC,PERIPHERALS	BH7868FS ROHM 32PIN SSOP R/TP	
		IC808	0IPRP00015A	IC,PERIPHERALS	CS4351-CZZR CIRRUS LOGIC 20PIN	
		IC901	0ILNR00182A	IC,LINEAR	SAA7137BHS PHILIPS 208PIN,QFP	
		L162	6140H-A001A	FILTER(CIRC),EMC	BEAD C,HH-1H4532-121JT.CERATEH	
		L163	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L704	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L705	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L706	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L707	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L711	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L712	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		L713	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		L801	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L803	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L808	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L813	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L822	0LCCE00004E	INDUCTOR,CHIP	FI-C2012-103KJT (10UH) CERATEC	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		L823	0LCCE00004E	INDUCTOR,CHIP	FI-C2012-103KJT (10UH) CERATEC	
		L824	0LCCE00004E	INDUCTOR,CHIP	FI-C2012-103KJT (10UH) CERATEC	
		L828	0LCCE00004E	INDUCTOR,CHIP	FI-C2012-103KJT (10UH) CERATEC	
		L830	0LCCE00004E	INDUCTOR,CHIP	FI-C2012-103KJT (10UH) CERATEC	
		L831	0LCCE00004E	INDUCTOR,CHIP	FI-C2012-103KJT (10UH) CERATEC	
		L832	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L833	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L834	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L835	0LC11608C01	INDUCTOR,CHIP	HB-1M1608-102JT CERATECH R/TP	
		L901	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L902	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L903	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L904	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L905	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L906	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L908	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L909	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L910	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L912	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L914	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		L915	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		L916	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		L922	0LC11608C01	INDUCTOR,CHIP	HB-1M1608-102JT CERATECH R/TP	
		L923	0LC11608C01	INDUCTOR,CHIP	HB-1M1608-102JT CERATECH R/TP	
		L924	0LC11608C01	INDUCTOR,CHIP	HB-1M1608-102JT CERATECH R/TP	
		L925	0LC11608C01	INDUCTOR,CHIP	HB-1M1608-102JT CERATECH R/TP	
		L926	0LC11608C01	INDUCTOR,CHIP	HB-1M1608-102JT CERATECH R/TP	
		L927	0LC11608C01	INDUCTOR,CHIP	HB-1M1608-102JT CERATECH R/TP	
		L928	0LC11608C01	INDUCTOR,CHIP	HB-1M1608-102JT CERATECH R/TP	
		L929	0LC11608C01	INDUCTOR,CHIP	HB-1M1608-102JT CERATECH R/TP	
		L930	0LC11608C01	INDUCTOR,CHIP	HB-1M1608-102JT CERATECH R/TP	
		Q151	0TRAU80040A	TRANSISTOR,BIPOLARS	STB1132Y AUK KOREA REEL TAPING	
		Q152	0TR387509AC	TRANSISTOR,BIPOLARS	CHIP KTC3875S-GR-T1(ALG) TP KE	
		Q152	0TRAU80017A	TRANSISTOR,BIPOLARS	2SC5343SG AUK KOREA R/TP SOT23	ALTERNATE
		Q152	0TRON80009A	TRANSISTOR,BIPOLARS	BC846ALT1 ON SEMI(MOTOROLA) R/	ALTERNATE
		Q156	0TR387509AC	TRANSISTOR,BIPOLARS	CHIP KTC3875S-GR-T1(ALG) TP KE	
		Q156	0TRAU80017A	TRANSISTOR,BIPOLARS	2SC5343SG AUK KOREA R/TP SOT23	ALTERNATE
		Q156	0TRON80009A	TRANSISTOR,BIPOLARS	BC846ALT1 ON SEMI(MOTOROLA) R/	ALTERNATE
		Q159	0TRAU80040A	TRANSISTOR,BIPOLARS	STB1132Y AUK KOREA REEL TAPING	
		Q162	0TR103009AC	TRANSISTOR,BIPOLARS	KRA103S-T1(PC)22-22 CHIP TP KE	
		Q162	0TRAU80012A	TRANSISTOR,BIPOLARS	SRA2203S AUK KOREA R/TP SOT23	ALTERNATE
		Q162	0TRON80007A	TRANSISTOR,BIPOLARS	MMUN2112LT1 ON SEMI(MOTOROLA)	ALTERNATE
		Q702	0TR103709BB	TRANSISTOR,BIPOLARS	2SA1037K-Q CHIP TP ROHM - -	
		Q704	0TR387509AC	TRANSISTOR,BIPOLARS	CHIP KTC3875S-GR-T1(ALG) TP KE	
		Q704	0TRON80009A	TRANSISTOR,BIPOLARS	BC846ALT1 ON SEMI(MOTOROLA) R/	ALTERNATE
		Q704	0TRAU80017A	TRANSISTOR,BIPOLARS	2SC5343SG AUK KOREA R/TP SOT23	ALTERNATE
		Q708	0TR103709BB	TRANSISTOR,BIPOLARS	2SA1037K-Q CHIP TP ROHM - -	
		Q708	0TRAU80008A	TRANSISTOR,BIPOLARS	AUK KOREA 2SA1980SY R/TP SOT23	ALTERNATE
		Q708	0TRON80008A	TRANSISTOR,BIPOLARS	MSA1162YT1G ON SEMI(MOTOROLA)	ALTERNATE
		Q708	0TR150409AC	TRANSISTOR,BIPOLARS	KTA1504 TP KEC - -GR-T1(ASG) C	ALTERNATE
		Q709	0TR103709BB	TRANSISTOR,BIPOLARS	2SA1037K-Q CHIP TP ROHM - -	
		Q709	0TRON80008A	TRANSISTOR,BIPOLARS	MSA1162YT1G ON SEMI(MOTOROLA)	ALTERNATE
		Q709	0TRAU80008A	TRANSISTOR,BIPOLARS	AUK KOREA 2SA1980SY R/TP SOT23	ALTERNATE
		Q709	0TR150409AC	TRANSISTOR,BIPOLARS	KTA1504 TP KEC - -GR-T1(ASG) C	ALTERNATE
		Q802	0TR387509AC	TRANSISTOR,BIPOLARS	CHIP KTC3875S-GR-T1(ALG) TP KE	
		Q802	0TRON80009A	TRANSISTOR,BIPOLARS	BC846ALT1 ON SEMI(MOTOROLA) R/	ALTERNATE
		Q802	0TRAU80017A	TRANSISTOR,BIPOLARS	2SC5343SG AUK KOREA R/TP SOT23	ALTERNATE

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		Q803	0TR387509AC	TRANSISTOR,BIPOLARS	CHIP KTC3875S-GR-T1(ALG) TP KE	
		Q803	0TRON80009A	TRANSISTOR,BIPOLARS	BC846ALT1 ON SEMI(MOTOROLA) R/	ALTERNATE
		Q803	0TRAU80017A	TRANSISTOR,BIPOLARS	2SC5343SG AUK KOREA R/TP SOT23	ALTERNATE
		Q806	0TR103709BB	TRANSISTOR,BIPOLARS	2SA1037K-Q CHIP TP ROHM - -	
		Q806	0TR150409AC	TRANSISTOR,BIPOLARS	KTA1504 TP KEC - -GR-T1(ASG) C	ALTERNATE
		Q806	0TRAU80008A	TRANSISTOR,BIPOLARS	AUK KOREA 2SA1980SY R/TP SOT23	ALTERNATE
		Q806	0TRON80008A	TRANSISTOR,BIPOLARS	MSA1162YT1G ON SEMI(MOTOROLA)	ALTERNATE
		Q807	0TR103009AC	TRANSISTOR,BIPOLARS	KRA103S-T1(PC)22-22 CHIP TP KE	
		Q807	0TRAU80012A	TRANSISTOR,BIPOLARS	SRA2203S AUK KOREA R/TP SOT23	ALTERNATE
		Q807	0TRON80007A	TRANSISTOR,BIPOLARS	MMUN2112LT1 ON SEMI(MOTOROLA)	ALTERNATE
		Q808	0TR103009AC	TRANSISTOR,BIPOLARS	KRA103S-T1(PC)22-22 CHIP TP KE	
		Q808	0TRAU80012A	TRANSISTOR,BIPOLARS	SRA2203S AUK KOREA R/TP SOT23	ALTERNATE
		Q808	0TRON80007A	TRANSISTOR,BIPOLARS	MMUN2112LT1 ON SEMI(MOTOROLA)	ALTERNATE
		R152	0RH1002D622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R153	0RH1002D622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R154	0RH1802C622	RESISTOR,METAL GLAZED(CHIP)	18K OHM 1 / 16 W 1608 5.00% D	
		R156	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R157	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R158	0RH1002D622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 10 W 2012 5.00% D	
		R161	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R163	0RH1801D422	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 10 W 2012 1.00% D	
		R164	0RJ3601E472	RESISTOR,METAL GLAZED(CHIP)	3.6K OHM 1/8 W 1% 2012 R/TP	
		R165	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R166	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R168	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R169	0RH1001D422	RESISTOR,METAL GLAZED(CHIP)	1000 OHM 1/10 W 0.01 2012 R/TP	
		R170	0RH0512D422	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 10 W 2012 1.00% D	
		R171	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R172	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R173	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R174	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R177	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R178	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R179	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R180	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R181	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R183	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R185	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R191	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R192	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R193	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R195	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R198	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R701	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R702	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R703	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R704	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R705	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R706	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R708	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R709	0RH1004C622	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1 / 16 W 1608 5.00% D	
		R710	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R711	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R712	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R714	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R715	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R716	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R717	0RH0752C422	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 1.00% D	
		R718	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R719	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R720	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R722	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R725	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R726	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R727	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R728	0RH4703C622	RESISTOR,METAL GLAZED(CHIP)	470K OHM 1 / 16 W 1608 5.00% D	
		R729	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R730	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R731	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R732	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R733	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R735	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R736	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R737	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R738	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R739	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R740	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R741	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R743	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R744	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R745	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R746	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R747	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R751	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R752	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R753	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R754	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R762	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R764	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R766	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R767	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R768	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R769	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R771	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R772	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R773	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R774	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R775	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R777	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R779	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R781	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R782	0RH1004C622	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1 / 16 W 1608 5.00% D	
		R784	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R787	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R789	0RH0472C622	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 16 W 1608 5.00% D	
		R798	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R799	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R7T2	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R7T4	0RH3303C622	RESISTOR,METAL GLAZED(CHIP)	330K OHM 1 / 16 W 1608 5.00% D	
		R7T5	0RH3303C622	RESISTOR,METAL GLAZED(CHIP)	330K OHM 1 / 16 W 1608 5.00% D	
		R7T6	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R7T7	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R7T8	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R7U1	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R7U2	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R7U3	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R7U4	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R7U7	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R811	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R812	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R814	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R815	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R816	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R819	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R820	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R821	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R822	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R823	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R824	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R825	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R826	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R827	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R834	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R837	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R838	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R839	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R842	0RH1003C622	RESISTOR,METAL GLAZED(CHIP)	100K OHM 1 / 16 W 1608 5.00% D	
		R844	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R845	0RH1502C622	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R849	0RH1502C622	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		R850	0RH0752C422	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 1.00% D	
		R851	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R852	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R853	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R854	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R855	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R858	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R860	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R861	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R864	0RH0752C422	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 1.00% D	
		R866	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R870	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R871	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R874	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R875	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R877	0RH0752C422	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 1.00% D	
		R878	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R879	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R880	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R881	0RH0752C422	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 1.00% D	
		R882	0RH0752C422	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 1.00% D	
		R883	0RH0752C422	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 1.00% D	
		R884	0RH0752C422	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 1.00% D	
		R885	0RH0752C422	RESISTOR,METAL GLAZED(CHIP)	75 OHM 1 / 16 W 1608 1.00% D	
		R8A1	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R8A2	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R8A3	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R8A4	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R8A5	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R8A7	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R8A8	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R8A9	0RH0471C622	RESISTOR,METAL GLAZED(CHIP)	4.7 OHM 1 / 16 W 1608 5.00% D	
		R8U1	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R8U2	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R8U3	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R8U4	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R8U5	0RH7501C622	RESISTOR,METAL GLAZED(CHIP)	7.5K OHM 1 / 16 W 1608 5.00% D	
		R8U6	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R901	0RH0102C622	RESISTOR,METAL GLAZED(CHIP)	10 OHM 1 / 16 W 1608 5.00% D	
		R902	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R903	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R905	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R909	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R910	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R911	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R913	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R914	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R916	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R918	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R919	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R920	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R923	0RH0472C622	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 16 W 1608 5.00% D	
		R924	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R925	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R926	0RH0472C622	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 16 W 1608 5.00% D	
		R928	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R930	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R932	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R933	0RH1202C622	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R934	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R938	0RH1202C622	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R939	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R940	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R941	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R942	0RH1202C622	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R943	0RH0472C622	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 16 W 1608 5.00% D	
		R944	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R945	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R946	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		R947	0RH0472C622	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 16 W 1608 5.00% D	
		R948	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R950	0RH0472C622	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 16 W 1608 5.00% D	
		R951	0RH1202C622	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R952	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R953	0RH2401C622	RESISTOR,METAL GLAZED(CHIP)	2.4K OHM 1 / 16 W 1608 5.00% D	
		R954	0RH1202C622	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	
		R955	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R956	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R962	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R964	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R965	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R969	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R970	0RH0472C622	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 16 W 1608 5.00% D	
		R971	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R976	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R977	0RH3001C622	RESISTOR,METAL GLAZED(CHIP)	3K OHM 1 / 16 W 1608 5.00% D	
		R978	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R979	0RH1202C622	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R981	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R982	0RH0562C622	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 5.00% D	
		R985	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R987	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R988	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R989	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R994	0RH0472C622	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 16 W 1608 5.00% D	
		R995	0RH0272C622	RESISTOR,METAL GLAZED(CHIP)	27 OHM 1 / 16 W 1608 5.00% D	
		R996	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R997	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R999	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		X901	6212AB2246C	RESONATOR,CRYSTAL	HC-49/SM BUBANG 24.576MHZ +/-	
		ZD151	0DZ021209BA	DIODE,ZENERS	Z02W12Y(CHIP) KEC	
		ZD701	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD701	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD702	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD702	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD801	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD801	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD802	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD802	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD803	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD803	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD804	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD804	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD805	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD805	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD811	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD811	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD821	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD821	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD822	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD822	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD823	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD823	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD824	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD824	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD825	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD825	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD826	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD826	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD827	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD827	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD828	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD828	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD829	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD829	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD830	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD830	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD834	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD834	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD836	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD836	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD837	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD837	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD838	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD838	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		ZD839	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD839	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD840	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD840	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD841	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD841	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD842	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD842	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD843	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD843	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD844	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD844	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD847	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD847	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD850	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD850	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD851	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD851	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD853	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD853	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD861	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD861	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD863	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD863	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD865	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD865	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD866	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD866	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD867	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD867	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD868	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD868	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD869	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD869	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD870	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD870	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD871	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD871	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD872	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD872	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD875	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD875	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD876	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD876	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD906	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD906	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD907	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD907	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD908	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD908	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD909	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD909	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		D154	0DSGF00030A	DIODE,SWITCHING	SB360-24A GULF BK DO201AD 60V	
		D155	0DSGF00030A	DIODE,SWITCHING	SB360-24A GULF BK DO201AD 60V	
		IC151	0IPMGKE045A	IC,POWER MANAGEMENT	KIA278R25PI 2.5V 2A KEC TO220I	
		IC152	0ISH313000C	IC,POWER MANAGEMENT	PQ3RD13LJ000H 4PIN TO-220 ST 3	
		IC152	0IPMGKE006B	IC,POWER MANAGEMENT	KIA78R33PI CU KEC 4P TO-220IS	ALTERNATE

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		IC152	0IPMGFA015A	IC,POWER MANAGEMENT	KA78R33TSTU FAIRCHILD 4P TO-22	ALTERNATE
		IC152	0IPMGGM002A	IC,POWER MANAGEMENT	G9133 GMT 4PIN,TO 220F-4L ST 1	ALTERNATE
		IC153	0IPMGFA032A	IC,POWER MANAGEMENT	KA78R05TSTU FAIRCHILD 4P TO-22	
		IC153	0IPMGKE018A	IC,POWER MANAGEMENT	KIA78R05API CU KEC 4P TO-220IS	ALTERNATE
		JK802	6612J00048G	JACK,RCA	ATT-6dB YUQIU RCA-1204B-04-01	
		JK803	6612K00003D	JACK,FIBER OPTIC	JST1164 SOLTEAM	
		JK804	6612JH002NB	JACK,RCA	RCA-104-03(RED) YUQIU	
		JK805	6612JH002NA	JACK,RCA	RCA-104-02(WHITE) YUQIU	
		JK806	6612JH002NC	JACK,RCA	RCA-104-05(YELLOW) YUQIU	
		JK807	6612B00010A	JACK,DIN	PSJ 007B(S-VHS-JACK) PARK ELE	
		JK808	6630SD01104	CONNECTOR (CIRC),USB	YFK45-5002 JALCO 4P 0.8MM	
		JK809	6612BBBHN5A	JACK,DIN	SCN556S4GTTB000 S-VIDEO HYUSUN	
		PVM01	6630R-BE024	CONNECTOR (CIRC),BOARD TO BOAR	2254-30P-T/JE611-A2T-30T POWER	
		PVM02	6630R-BE024	CONNECTOR (CIRC),BOARD TO BOAR	2254-30P-T/JE611-A2T-30T POWER	
		PVM03	6630R-BE01L	CONNECTOR (CIRC),BOARD TO BOAR	JE612-12 JAE EUN 12P 2.0MM	
		PVX02	561-711D	CONNECTOR (CIRC),HOUSING	GIL-S-04P-S2T2-EF LG CABLE 4PI	
		PWVS1	6630R-BF07J	CONNECTOR (CIRC),BOARD TO BOAR	117-A8T-10 JAE EUN 10PIN 2-54M	
		Q154	0TR115100AC	TRANSISTOR,BIPOLARS	KTB1151-Y BK KEC TO126 -	
		Q154	0TR115100AA	TRANSISTOR,BIPOLARS	KSB1151-Y BK SAMSUNG - TO-126	ALTERNATE
		TU701	6700NFNL08A	TUNER	BTF-PH472Z LGIT NTSC FS TADS-H	
		X701	6202R-DA01B	RESONATOR,CRYSTAL	CFS-308 CITIZEN 32.768KHZ +/-	
		274	3300R-D089A	PLATE	RH1000 PRESS GROUND	
		*** SUB PWB(PCB) ASSEMBLY ***				
		A46	6885R-9120D	SUB PWB(PCB) ASSEMBLY	DR100S MAIN NTSC SUPER-MULTI W	
		IC1302A	6957R-9120B	PROGRAM	DR100S NTSC SUPER-MULTI	
		AR1102	0RRZVTA001J	RESISTOR,DRAWING	4.7K OHM 1 / 16 W 3216 5% R/TP	
		AR1103	0RRZVTA001J	RESISTOR,DRAWING	4.7K OHM 1 / 16 W 3216 5% R/TP	
		AR1201	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1202	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1203	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1204	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1205	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1206	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1207	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1208	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1209	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1211	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1212	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1213	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1214	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1215	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1216	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1217	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1218	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1219	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1220	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1222	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1225	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1226	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1227	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1401	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1402	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1601	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1602	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		C1100	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1144	0CH4220K412	CAPACITOR,FIXED CERAMIC(HIGH D	22PF 50V 5% NP0 1608 R/TP	
		C1162	0CS226ED6DC	CAPACITOR,FIXED TANTALUM	22UF 3216 10V 20% SMD R/TP(SMD	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C1173	0CH4180K412	CAPACITOR,FIXED CERAMIC(HIGH D	18PF 50V 5% NP0 1608 R/TP	
		C1201	0CH8476C611	CAPACITOR,FIXED ELECTROLYTIC	47UF 6.3V 20% 85STD (CYL) R/TP	
		C1208	0CH8476C611	CAPACITOR,FIXED ELECTROLYTIC	47UF 6.3V 20% 85STD (CYL) R/TP	
		C1227	0CH1105D942	CAPACITOR,FIXED CERAMIC(TEMP.C	1UF 10V 80%,-20% Y5V(F) 1608 R	
		C1269	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1283	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1286	0CH8227C621	CAPACITOR,FIXED ELECTROLYTIC	220UF 6.3V 20% - R/TP	
		C1287	0CS226ED6DC	CAPACITOR,FIXED TANTALUM	22UF 3216 10V 20% SMD R/TP(SMD	
		C1288	0CS226ED6DC	CAPACITOR,FIXED TANTALUM	22UF 3216 10V 20% SMD R/TP(SMD	
		C1297	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1298	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1302	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1305	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1307	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1309	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1310	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1312	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1320	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1321	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1323	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1324	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1326	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1331	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1333	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1335	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1338	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1339	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1341	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1347	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1403	0CH8227C621	CAPACITOR,FIXED ELECTROLYTIC	220UF 6.3V 20% - R/TP	
		C1404	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1405	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1406	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1409	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1410	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1411	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1412	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1413	0CH4100K412	CAPACITOR,FIXED CERAMIC(HIGH D	10PF 50V 5% NP0 1608 R/TP	
		C1414	0CH4100K412	CAPACITOR,FIXED CERAMIC(HIGH D	10PF 50V 5% NP0 1608 R/TP	
		C1415	0CH4100K412	CAPACITOR,FIXED CERAMIC(HIGH D	10PF 50V 5% NP0 1608 R/TP	
		C1416	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1417	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1418	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1419	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1420	0CH4100K412	CAPACITOR,FIXED CERAMIC(HIGH D	10PF 50V 5% NP0 1608 R/TP	
		C1421	0CH8106F611	CAPACITOR,FIXED ELECTROLYTIC	10UF 16V 20% 85STD (CYL) R/TP	
		C1422	0CH8227C621	CAPACITOR,FIXED ELECTROLYTIC	220UF 6.3V 20% - R/TP	
		C1423	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1425	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1428	0CH8227C621	CAPACITOR,FIXED ELECTROLYTIC	220UF 6.3V 20% - R/TP	
		C1429	0CH8227C621	CAPACITOR,FIXED ELECTROLYTIC	220UF 6.3V 20% - R/TP	
		C1430	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1431	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1433	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1434	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1437	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1438	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C1439	0CH4100K412	CAPACITOR,FIXED CERAMIC(HIGH D	10PF 50V 5% NP0 1608 R/TP	
		C1440	0CH4100K412	CAPACITOR,FIXED CERAMIC(HIGH D	10PF 50V 5% NP0 1608 R/TP	
		C1441	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1601	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1604	0CH4560K412	CAPACITOR,FIXED CERAMIC(HIGH D	56PF 50V 5% NP0 1608 R/TP	
		C1607	0CH4221K412	CAPACITOR,FIXED CERAMIC(HIGH D	220PF 50V 5% NP0 1608 R/TP	
		C1609	0CH1105D942	CAPACITOR,FIXED CERAMIC(TEMP.C	1UF 10V 80%,-20% Y5V(F) 1608 R	
		C1610	0CH1224K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.22UF 50V 10% B(5YP) 1608 R/T	
		C1611	0CH8476C611	CAPACITOR,FIXED ELECTROLYTIC	47UF 6.3V 20% 85STD (CYL) R/TP	
		C1618	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		C1619	0CH4360K412	CAPACITOR,FIXED CERAMIC(HIGH D	36PF 50V 5% NP0 1608 R/TP	
		IC1101	0ILNR00159A	IC,LINEAR	DMN-8603(B1) LSI LOGIC 308PIN,	
		IC1201	0IPMG00017A	IC,POWER MANAGEMENT	G2995F1UF GMT 8PIN,SOP-8L R/TP	
		IC1202	0IMMRIH038A	IC,MEMORIES	HYB25D(C)256160CE-6 INFINEON 6	
		IC1202	0IMMR00055A	IC,MEMORIES	EDD2516AKTA-6B-E ELPIDA 66PIN,	ALTERNATE
		IC1203	0IMMRIH038A	IC,MEMORIES	HYB25D(C)256160CE-6 INFINEON 6	
		IC1203	0IMMR00055A	IC,MEMORIES	EDD2516AKTA-6B-E ELPIDA 66PIN,	ALTERNATE
		IC1408	0ISTLPH040A	IC,STANDARD LOGIC	74LVC08APW PHILIPS 14PIN TSSOP	
		IC1601	0IPRPTI044A	IC,PERIPHERALS	TSB41AB1PHPG4 TEXAS INSTRUMENT	
		L1404	0LC1700005B	INDUCTOR,CHIP	NLV32T-1R8J-PF TDK R/TP	
		L1405	0LC1700005B	INDUCTOR,CHIP	NLV32T-1R8J-PF TDK R/TP	
		L1406	0LC1700005B	INDUCTOR,CHIP	NLV32T-1R8J-PF TDK R/TP	
		L1408	0LC1700003C	INDUCTOR,CHIP	NLV32T-R47J-PF TDK R/TP	
		L1409	6140H-A001A	FILTER(CIRC),EMC	BEAD C,HH-1H4532-121JT.CERATEH	
		L1410	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1413	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1415	6140H-A001A	FILTER(CIRC),EMC	BEAD C,HH-1H4532-121JT.CERATEH	
		L1416	6140H-A001A	FILTER(CIRC),EMC	BEAD C,HH-1H4532-121JT.CERATEH	
		L1417	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1418	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1422	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1423	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1424	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1427	0LC1700003C	INDUCTOR,CHIP	NLV32T-R47J-PF TDK R/TP	
		L1428	0LC1700003C	INDUCTOR,CHIP	NLV32T-R47J-PF TDK R/TP	
		L15A1	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L15A2	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L15A3	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L15A4	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		PMC01	6630X60142A	CONNECTOR (CIRC),FFC/FPC	04-6263-040-000-894+ KYCERA EL	
		PMH01	6630X60142A	CONNECTOR (CIRC),FFC/FPC	04-6263-040-000-894+ KYCERA EL	
		PML01	6630X60142A	CONNECTOR (CIRC),FFC/FPC	04-6263-040-000-894+ KYCERA EL	
		PMT01	6630XE00110	CONNECTOR (CIRC),FFC/FPC	04-6232-010-010-801+ ELCO 10P	
		R1103	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1104	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R1106	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	
		R1107	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1108	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1109	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1111	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1112	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1113	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1114	0RH1101C422	RESISTOR,METAL GLAZED(CHIP)	1.1K OHM 1 / 16 W 1608 1.00% D	
		R1118	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1121	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1122	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	
		R1123	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R1125	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	
		R1126	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1127	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1137	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1138	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1139	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1140	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1144	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1145	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1146	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1147	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1148	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1149	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1151	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1153	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1154	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1167	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1168	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1170	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1174	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1175	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1182	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R1184	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1202	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1205	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1206	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1207	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1208	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1209	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1210	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1218	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1219	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1220	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1221	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1223	0RH2002C422	RESISTOR,METAL GLAZED(CHIP)	20K OHM 1 / 16 W 1608 1.00% D	
		R1224	0RH2002C422	RESISTOR,METAL GLAZED(CHIP)	20K OHM 1 / 16 W 1608 1.00% D	
		R1225	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1226	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1227	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1228	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1230	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1231	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1232	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1333	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1336	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1401	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1402	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1403	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R1404	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1405	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1406	0RH2701C622	RESISTOR,METAL GLAZED(CHIP)	2.7K OHM 1 / 16 W 1608 5.00% D	
		R1436	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1444	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1447	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1468	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R1470	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R1471	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R1472	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R1474	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R1475	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R1476	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R1477	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R1478	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1479	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1501	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1503	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1508	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1516	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1517	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1601	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	
		R1602	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1603	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1604	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1605	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R1606	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1607	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1608	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1609	0RH6800C622	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R1610	0RH6800C622	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R1611	0RH6800C622	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R1612	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1613	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1615	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R1617	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R1618	0RH0562C422	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 1.00% D	
		R1619	0RH0562C422	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 1.00% D	
		R1620	0RH5101C622	RESISTOR,METAL GLAZED(CHIP)	5100 OHM 1 / 16 W 1608 5.00% D	
		R1621	0RH0562C422	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 1.00% D	
		R1622	0RH0562C422	RESISTOR,METAL GLAZED(CHIP)	56 OHM 1 / 16 W 1608 1.00% D	
		R1623	0RH6341C422	RESISTOR,METAL GLAZED(CHIP)	6.34K OHM 1 / 16 W 1608 1.00%	
		R1625	0RH1004C622	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1 / 16 W 1608 5.00% D	
		R1626	0RH0000E622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 8 W 3216 5.00% D	
		R1627	0RJ0000H680	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1/2 W 5% 5025 R/TP	
		X1101	6212AB2136C	RESONATOR,CRYSTAL	HC-49/SM BUBANG 13.5MHZ +/- 15	
		X1601	6212AB2246C	RESONATOR,CRYSTAL	HC-49/SM BUBANG 24.576MHZ +/-	
		AR1221	0RR1002Q62C	RESISTOR,DRAWING	100 OHM 1/16W 5.00% 3216 8	
		AR1223	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1224	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1403	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1404	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1405	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1501	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1502	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1503	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR1504	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR15A1	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR15A2	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR15A3	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		AR15A4	0RR0222Q62A	RESISTOR,DRAWING	22 OHM 1/16 W 3216 5.00% R/TP	
		C1101	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1102	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1103	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1104	0CH1105D942	CAPACITOR,FIXED CERAMIC(TEMP.C	1UF 10V 80%,-20% Y5V(F) 1608 R	
		C1105	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C1106	0CH1105D942	CAPACITOR,FIXED CERAMIC(TEMP.C	1UF 10V 80%,-20% Y5V(F) 1608 R	
		C1107	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1108	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1109	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1110	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1111	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1112	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1113	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1114	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1117	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1118	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1119	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1120	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1121	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1122	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1123	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1124	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1125	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1128	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1129	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1130	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1131	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1132	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1134	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1135	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1136	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1137	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1138	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1141	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1142	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1143	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1145	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1151	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1152	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1163	0CH7476D651	CAPACITOR,FIXED TANTALUM	47UF 10V 20% 6032 TP(-)	
		C1164	0CS226ED6DC	CAPACITOR,FIXED TANTALUM	22UF 3216 10V 20% SMD R/TP(SMD	
		C1165	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1166	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1167	0CH7476D651	CAPACITOR,FIXED TANTALUM	47UF 10V 20% 6032 TP(-)	
		C1171	0CS226ED6DC	CAPACITOR,FIXED TANTALUM	22UF 3216 10V 20% SMD R/TP(SMD	
		C1172	0CS226ED6DC	CAPACITOR,FIXED TANTALUM	22UF 3216 10V 20% SMD R/TP(SMD	
		C1202	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1203	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1204	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1205	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1206	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1207	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1209	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1210	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1211	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1212	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1213	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1214	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1215	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1221	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1222	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1223	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C1228	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1231	0CS226ED6DC	CAPACITOR,FIXED TANTALUM	22UF 3216 10V 20% SMD R/TP(SMD	
		C1232	0CS226ED6DC	CAPACITOR,FIXED TANTALUM	22UF 3216 10V 20% SMD R/TP(SMD	
		C1233	0CS226ED6DC	CAPACITOR,FIXED TANTALUM	22UF 3216 10V 20% SMD R/TP(SMD	
		C1282	0CS226ED6DC	CAPACITOR,FIXED TANTALUM	22UF 3216 10V 20% SMD R/TP(SMD	
		C1285	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1301	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1303	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1304	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1306	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1308	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1311	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1313	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1314	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1315	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1316	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1317	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1318	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1319	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1322	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1325	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1327	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1328	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1329	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1330	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1332	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1334	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1336	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1337	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1340	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1342	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1343	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1344	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1345	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1346	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1348	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1401	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1402	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1408	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1424	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1501	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1502	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1505	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1506	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1507	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1508	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1511	0CH4100K412	CAPACITOR,FIXED CERAMIC(HIGH D	10PF 50V 5% NP0 1608 R/TP	
		C1512	0CH4100K412	CAPACITOR,FIXED CERAMIC(HIGH D	10PF 50V 5% NP0 1608 R/TP	
		C1605	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1608	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1613	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1614	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1615	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C1616	0CC102CK41A	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 1608 50V 5% R/TP NP0	
		C1617	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		C1621	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		D1101	0DSRM00148A	DIODE,SWITCHING	1SS355 ROHM R/TP SOD323 90V 22	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		D1102	0DSRM00148A	DIODE,SWITCHING	1SS355 ROHM R/TP SOD323 90V 22	
		IC1301	0ISTLPH043A	IC,STANDARD LOGIC	74LVT16373A DGG PHILIPS 48PIN	
		IC1501	0ISTLPH049A	IC,STANDARD LOGIC	74LVC32APW PHILIPS 14 TSSOP R/	
		IC1502	0ISTLPH039A	IC,STANDARD LOGIC	74LVC04APW PHILIPS 14PIN TSSOP	
		IC1503	0ISTLPH018A	IC,STANDARD LOGIC	74LVC541A DB PHILIPS 20 SSOP R	
		L1104	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1109	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1111	6200RJC003A	FILTER(CIRC),EMC	HB-1S1608-121 CERATECH TP	
		L1112	6200RJC003A	FILTER(CIRC),EMC	HB-1S1608-121 CERATECH TP	
		L1113	6200RJC003A	FILTER(CIRC),EMC	HB-1S1608-121 CERATECH TP	
		L1114	6200RJC003A	FILTER(CIRC),EMC	HB-1S1608-121 CERATECH TP	
		L1115	6200RJC003A	FILTER(CIRC),EMC	HB-1S1608-121 CERATECH TP	
		L1502	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1602	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1603	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1604	6200RJC003A	FILTER(CIRC),EMC	HB-1S1608-121 CERATECH TP	
		L1605	6200RJC003A	FILTER(CIRC),EMC	HB-1S1608-121 CERATECH TP	
		L1606	6200RJC003A	FILTER(CIRC),EMC	HB-1S1608-121 CERATECH TP	
		L1607	6200RJC003A	FILTER(CIRC),EMC	HB-1S1608-121 CERATECH TP	
		PMV01	6630B00147A	CONNECTOR (CIRC),BOARD TO BOAR	JE611-B2T-12S JAE EUN 12P 2.0M	
		PMV02	6630R-BE034	CONNECTOR (CIRC),BOARD TO BOAR	2254-30S-T/JE611-B2G-30R POWER	
		PMV03	6630R-BE034	CONNECTOR (CIRC),BOARD TO BOAR	2254-30S-T/JE611-B2G-30R POWER	
		R1100	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1101	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	
		R1102	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R1105	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	
		R1110	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1115	0RH1801C622	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R1116	0RH1801C622	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R1117	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1119	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1120	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1124	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	
		R1128	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1129	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1130	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1131	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1132	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1133	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1134	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1135	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1136	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1141	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1142	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1143	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1150	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1152	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1156	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1157	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1169	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1171	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1172	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1181	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R1183	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R1201	0RJ0000H680	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1/2 W 5% 5025 R/TP	
		R1203	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1204	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		R1211	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1212	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1214	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	
		R1215	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	
		R1216	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	
		R1217	0RH0512C622	RESISTOR,METAL GLAZED(CHIP)	51 OHM 1 / 16 W 1608 5.00% D	
		R1222	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1330	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1332	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1334	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R1337	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		R1338	0RJ0000H680	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1/2 W 5% 5025 R/TP	
		R1339	0RJ0000H680	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1/2 W 5% 5025 R/TP	
		R1340	0RH0000D622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 10 W 2012 5.00% D	
		R1341	0RJ0000H680	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1/2 W 5% 5025 R/TP	
		R1342	0RJ0000H680	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1/2 W 5% 5025 R/TP	
		R1343	0RJ0000H680	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1/2 W 5% 5025 R/TP	
		R1411	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1412	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1413	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1414	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1428	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1429	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1433	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1436	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1437	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1438	0RH6800C622	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R1441	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1442	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1443	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1446	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1448	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1449	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1450	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1454	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R1456	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1457	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1465	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1502	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		R1504	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1511	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1512	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1513	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1514	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1515	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R1518	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R15A1	0RH0682C622	RESISTOR,METAL GLAZED(CHIP)	68 OHM 1 / 16 W 1608 5.00% D	
		R15A2	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R15A3	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		R15A4	0RH1500C622	RESISTOR,METAL GLAZED(CHIP)	150 OHM 1 / 16 W 1608 5.00% D	
		R15A5	0RH2200C622	RESISTOR,METAL GLAZED(CHIP)	220 OHM 1 / 16 W 1608 5.00% D	
		R1616	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		ZD1401	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD1401	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD1402	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD1402	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD1403	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		ZD1403	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		ZD1404	0DZ026809CA	DIODE,ZENERS	Z02W6.8V TP KEC SOT23 20W 6.8V	
		ZD1404	0DZAU00038A	DIODE,ZENERS	SDZ6V8 AUK KOREA R/TP SOT23 25	ALTERNATE
		*** PWB(PCB) ASSEMBLY,TOTAL ***				
		A47	6871R-2361B	PWB(PCB) ASSEMBLY,TOTAL	DR100 EVENT SMPS NARROW	
		BC101	636-004D	FILTER(CIRC),EMC	BEAD CORE BFD3514R2F,R T/P	
		BC131	636-004C	FILTER(CIRC),EMC	BEAD CORE BFS3550R2FD8,R T/P	
		BD101	0DRVH00060A	DIODE,RECTIFIERS	GBL08L-5701E3-22 VISHAY BK GBL	
		BD101	0DRDI00201A	DIODE,RECTIFIERS	GBL206L-01 DIODES STICK GBL 6	ALTERNATE
		BD101	0DRDI00211A	DIODE,RECTIFIERS	GBL408-01 DIODES STICK GBL 800	ALTERNATE
⚠		C101	624-088L	CAPACITOR,DRAWING	435D SUNIL ELECTRONICS 0.1UF/2	
⚠		C101	624-088F	CAPACITOR,DRAWING	PCX2 275V 0.1UF,M (PILKO)	ALTERNATE
⚠		C101	624-088J	CAPACITOR,DRAWING	ECQU2A104ML 0.1UF/275VAC 4.0 C	ALTERNATE
⚠		C101	624-088N	CAPACITOR,DRAWING	MPX104K 275VAC BULK ETR	ALTERNATE
		C102	624-088L	CAPACITOR,DRAWING	435D SUNIL ELECTRONICS 0.1UF/2	
		C102	624-088F	CAPACITOR,DRAWING	PCX2 275V 0.1UF,M (PILKO)	ALTERNATE
		C102	624-088J	CAPACITOR,DRAWING	ECQU2A104ML 0.1UF/275VAC 4.0 C	ALTERNATE
		C102	624-088N	CAPACITOR,DRAWING	MPX104K 275VAC BULK ETR	ALTERNATE
		C103	0CE227JR6A0	CAPACITOR,FIXED ELECTROLYTIC	220UF SMH,HC 250V 20% BULK VNS	
		C104	0CN1040K948	CAPACITOR,FIXED TUBULAR(HIGH D	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C105	0CQ1031Y519	CAPACITOR,FIXED FILM	0.01UF D 630V 10% PE NI TP5	
		C106	624-087G	CAPACITOR,FIXED CERAMIC(HIGH D	HIGH-VOL 68PF/1KV SMPS SAMHWA	
		C107	0CN2220K518	CAPACITOR TUBULA(HIGH DIELE)	2200F 50V K X TA26 S	
		C108	0CE336BH638	CAPACITOR,FIXED ELECTROLYTIC	33UF KME TYPE 25V 20% FM5 TP 5	
		C109	0CE1054K638	CAPACITOR,FIXED ELECTROLYTIC	1UF SRA,SS 50V 20% FM5 TP 5	
⚠		C110	0CG1020U630	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF D 400V 20% E(Z5U) R	
⚠		C111	0CG1020U630	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF D 400V 20% E(Z5U) R	
		C114	0CN1040K948	CAPACITOR,FIXED TUBULAR(HIGH D	0.1UF D 50V 80%,-20% F(Y5V) TA	
		C121	0CE108BF630	CAPACITOR,FIXED ELECTROLYTIC	1000UF KME TYPE 16V 20% FM5 BU	
		C122	0CE3376D638	CAPACITOR,FIXED ELECTROLYTIC	330UF SMS,SG 10V 20% FM5 TP 5	
		C123	0CE2282F611	CAPACITOR,FIXED ELECTROLYTIC	2200UF KMF 16V 20% BK7.5 FL	
		C124	624-082H	CAPACITOR,FIXED ELECTROLYTIC	CE 1000UF/10V SHL(10*12.5)T/P	
		C125	0CE228BF630	CAPACITOR,FIXED ELECTROLYTIC	2200UF KME TYPE 16V 20% FM5 BU	
		C126	0CE108EH610	CAPACITOR,FIXED ELECTROLYTIC	1000UF KMG 25V 20% BULK FL	
		C127	624-082G	CAPACITOR,FIXED ELECTROLYTIC	CE 470UF/25V SHL(10*12.5)T/P	
		C129	624-085D	CAPACITOR,FIXED ELECTROLYTIC	CE 47UF/50V KME (SMPS)	
		C131	0CQ1042K409	CAPACITOR,FIXED FILM	0.1UF S 50V 5% PE TP5	
		C133	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C134	0CE1074F638	CAPACITOR,FIXED ELECTROLYTIC	100UF SRA,SS 16V 20% FM5 TP 5	
		C135	624-087J	CAPACITOR,FIXED CERAMIC(HIGH D	HIGH-VOL 102PF/1KV CERAMIC	
		D101	0DD221009AA	DIODE,RECTIFIERS	ERA22-10 KFLB,TP ,R T/P,FUJI	
		D101	0DRRE00163A	DIODE,RECTIFIERS	1F7(U FORMING) RECTRON BK NON	ALTERNATE
		D102	0DR104009BA	DIODE,RECTIFIERS	RL104F TP RECTRON - 400V 1A 30	
		D102	0DRGF00239A	DIODE,RECTIFIERS	FR104E GULF TP NON 400V 1A 30A	ALTERNATE
		D121	0DRSD00210A	DIODE,RECTIFIERS	D3S6M SHINDENGEN BK AX14 60V 1	
		D121	0DSDI00090A	DIODE,SWITCHING	SB360 DIODES BK DO201AD 60V 3A	ALTERNATE
		D124	0DR104510AA	DIODE,RECTIFIERS	B10A45V1 BK KEC TO220 45V 10A	
		D124	0DRSA00020B	DIODE,RECTIFIERS	FMB-G24H LF651D 7.5MM SANKEN	ALTERNATE
		D125	0DRSD00210A	DIODE,RECTIFIERS	D3S6M SHINDENGEN BK AX14 60V 1	
		D125	0DSDI00090A	DIODE,SWITCHING	SB360 DIODES BK DO201AD 60V 3A	ALTERNATE
		D127	0DSGF00040A	DIODE,SWITCHING	UF5402-M11 GULF BK DO201AD 200	
		D127	0DSDI00110A	DIODE,SWITCHING	UF3003 DIODES BK DO201AD 200V	ALTERNATE
		D128	0DR104009BA	DIODE,RECTIFIERS	RL104F TP RECTRON - 400V 1A 30	
		D128	0DRGF00239A	DIODE,RECTIFIERS	FR104E GULF TP NON 400V 1A 30A	ALTERNATE
⚠		F101	0FS1601B51D	FUSE,SLOW BLOW	1600MA 250 V 5.2X20 CY/GL KS/J	
⚠		FH01	586-008B	HOLDER	FUSE CLIP TP SINSUNG	
⚠		FH02	586-008B	HOLDER	FUSE CLIP TP SINSUNG	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		IC101	0IPMG00047B	IC,POWER MANAGEMENT	ICE3B1565J INFINEON DIP 8PIN T	
⚠		IC102	657-063A	SENSOR	LTV-817B,PHOTO COUPLER(LITEON)	
⚠		IC102	6500RDB010A	SENSOR,PHOTO	PC123YN2J00F SHARP PHOTOCOUPLE	ALTERNATE
⚠		IC102	6500RDB011B	SENSOR	K1010B COSMO 4PIN PHOTOCOUPLER	ALTERNATE
⚠		IC102	6500RDT008A	SENSOR	LTV-817BN LITE ON RGB PHOTO CO	ALTERNATE
		IC103	0IKE431000A	IC,LINEAR	KIA431 3 PIN TP - -	
		IC103	0ISS431000A	IC,LINEAR	KA431AZ (LM431AZ) - - - -	ALTERNATE
		IC131	0IKE781200S	IC,KEC	KIA78R12PI CU 4P TO-220IS ST 1	
		IC131	0IPMGFA017A	IC,POWER MANAGEMENT	KA78R12TSTU FAIRCHILD 4P TO-22	ALTERNATE
		IC132	0IPMGFA050A	IC,POWER MANAGEMENT	KA278R05TSTU FAIRCHILD 4PIN,TO	
		IC132	0IPMGKE047A	IC,POWER MANAGEMENT	KIA278R05PI-CU KEC 4PIN,TO220I	ALTERNATE
		L102	616-145E	FILTER(CIRC),DRAWING	KSE-145E KSE LINE FILTER SQ211	
		L102	6200JB8012B	FILTER(CIRC),EMC	SQ2116 FEELUX BK 25MH	ALTERNATE
		L121	633-088G	COIL,CHOKE	22MH TOKO 5MM TP	
		L121	6140R-C011A	COIL,RF	CHOKE COIL TDK 22UH(=633-088G	ALTERNATE
		L122	6140RCC009A	COIL,RF	BAR CHOKE COIL 2 PIN 10 UHCCAR	
		L123	633-088G	COIL,CHOKE	22MH TOKO 5MM TP	
		L123	6140R-C011A	COIL,RF	CHOKE COIL TDK 22UH(=633-088G	ALTERNATE
		P101	6630R-BF03J	CONNECTOR (CIRC),BOARD TO BOAR	JE121-10 JAE EUN 10PIN 2.54MM	
		P104	561-661B	CONNECTOR (CIRC),HOUSING	5267-02A MOLEX 2PIN 2-54MM STR	
		P1D01	6630VK20604	CONNECTOR (CIRC),WAFER	SMW200-04 YEONHO 4P 2.0MM 1 RO	
⚠		PW101	561-292B	CONNECTOR(CIRC),DRAWING	GP390 LGC 3P 3.96 STRAIGHT SN	
		R100	0RD1504H632	RESISTOR,FIXED CARBON FILM	1.5M OHM 1/2 W 5.00% MF10	
		R101	614-007A	RESISTOR,FIXED CEMENT	2.7/2W CEMENT SMPS V	
		R104	0RS5602K619	RESISTOR,FIXED METAL OXIDE FIL	56K OHM 2 W 5.00% TR	
		R105	0RD0102F608	RESISTOR,FIXED CARBON FILM	10 OHM 1/6 W 5% TA26	
		R109	0RS0510K619	RESISTOR,FIXED METAL OXIDE FIL	0.51 OHM 2 W 5.00% TR	
		R121	0RD2200F608	RESISTOR,FIXED CARBON FILM	220 OHM 1/6 W 5% TA26	
		R122	0RD2201F608	RESISTOR,FIXED CARBON FILM	2.2K OHM 1/6 W 5% TA26	
		R123	0RD1001F608	RESISTOR,FIXED CARBON FILM	1K OHM 1/6 W 5% TA26	
		R124	0RN3301F408	RESISTOR,FIXED METAL FILM	3.3K OHM 1/6 W 1% TA26	
		R125	0RN2701F408	RESISTOR,FIXED METAL FILM	2.7K OHM 1/6 W 1% TA26	
		R126	0RD2700F608	RESISTOR,FIXED CARBON FILM	270 OHM 1/6 W 5% TA26	
		R127	0RD1003F608	RESISTOR,FIXED CARBON FILM	100K OHM 1/6 W 5% TA26	
		R130	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R131	0RD4701F608	RESISTOR,FIXED CARBON FILM	4.7K OHM 1/6 W 5% TA26	
		R132	0RS1000K619	RESISTOR,FIXED METAL OXIDE FIL	100 OHM 2 W 5% TR	
		R134	0RD0102F608	RESISTOR,FIXED CARBON FILM	10 OHM 1/6 W 5% TA26	
⚠		T101	6170RNGW23P	TRANSFORMER,SMPS[COIL]	EER2828 KESAN,FEELUX DR10000 F	
⚠		V101	656-004C	VARISTOR,DRAWING	SVC681D-10A SAMHWA 4.O CUT	
		ZD101	0DZ200009BB	DIODE,ZENERS	MTZ20B TP ROHM - - - - -	
		ZD101	0DZ202609AA	DIODE,ZENERS	UZ-20BSB 26MM TP PYUNG CHANG D	ALTERNATE
		ZD102	0DZ332609AA	DIODE,ZENERS	GDZJ33B 26MM TP GRANDE DO34 0	
		ZD102	0DZ332609BA	DIODE,ZENERS	UZ-33BSB 26MM TP PYUNG CHANG D	ALTERNATE
		***	**PWB(PCB) ASSEMBLY,TOTAL**	***		
		A54	6871R-1884B	PWB(PCB) ASSEMBLY,TOTAL	DR100 HDMI DAUGHTER BOARD TOTA	
		AR1701	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR1702	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR1703	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		AR1704	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		C1701	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1702	0CH1102K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% B(5YP) 1608 R/T	
		C1703	0CH1102K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% B(5YP) 1608 R/T	
		C1704	0CH7106D611	CAPACITOR,FIXED TANTALUM	10UF 10V 20% 3216 TP(-)	
		C1705	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1706	0CH1102K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% B(5YP) 1608 R/T	
		C1707	0CH1102K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% B(5YP) 1608 R/T	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		C1708	0CH7226D621	CAPACITOR,FIXED TANTALUM	22UF 10V 20% 3528 TP(-)	
		C1709	0CH7226D621	CAPACITOR,FIXED TANTALUM	22UF 10V 20% 3528 TP(-)	
		C1710	0CH1102K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% B(5YP) 1608 R/T	
		C1711	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1712	0CH1102K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% B(5YP) 1608 R/T	
		C1713	0CH1102K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% B(5YP) 1608 R/T	
		C1714	0CH1102K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% B(5YP) 1608 R/T	
		C1715	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1716	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1717	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1718	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1719	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1720	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1721	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1722	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1723	0CH1104K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% B(5YP) 1608 R/TP	
		C1725	0CH7106D611	CAPACITOR,FIXED TANTALUM	10UF 10V 20% 3216 TP(-)	
		C1726	0CH7476D651	CAPACITOR,FIXED TANTALUM	47UF 10V 20% 6032 TP(-)	
		CF1701	6200J000039	FILTER(CIRC),EMC	VC TDK R/TP ACM2012H-900-2P ,0	
		CF1701	6200J000148	FILTER(CIRC),EMC	ECS21P2-900 ABCO REEL TAPING	ALTERNATE
		CF1702	6200J000039	FILTER(CIRC),EMC	VC TDK R/TP ACM2012H-900-2P ,0	
		CF1702	6200J000148	FILTER(CIRC),EMC	ECS21P2-900 ABCO REEL TAPING	ALTERNATE
		CF1703	6200J000039	FILTER(CIRC),EMC	VC TDK R/TP ACM2012H-900-2P ,0	
		CF1703	6200J000148	FILTER(CIRC),EMC	ECS21P2-900 ABCO REEL TAPING	ALTERNATE
		CF1704	6200J000039	FILTER(CIRC),EMC	VC TDK R/TP ACM2012H-900-2P ,0	
		CF1704	6200J000148	FILTER(CIRC),EMC	ECS21P2-900 ABCO REEL TAPING	ALTERNATE
		IC1701	0IPRP00666A	IC,PERIPHERALS	SIL9030 SILICON IMAGE 80PIN,TQ	
		IC1703	0IPRP00664A	IC,PERIPHERALS	UPA672T NEC 5PIN,SC70 REEL TAP	
		JK701	6630R-SY08W	CONNECTOR(CIRC),DRAWING	HDMI,HMR48-AK5210,FRANGE TYPE,	
		L1701	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1702	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1703	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		L1704	6200HJC102A	FILTER(CIRC),EMC	HB-1M2012-102JT CERATECH TP 3K	
		PHM01	6630X60142A	CONNECTOR (CIRC),FFC/FPC	04-6263-040-000-894+ KYCERA EL	
		R1701	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R1702	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		R1704	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R1705	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R1706	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R1707	0RH1801C622	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R1708	0RH1801C622	RESISTOR,METAL GLAZED(CHIP)	1.8K OHM 1 / 16 W 1608 5.00% D	
		R1709	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1710	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R1712	0RH0332C622	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1 / 16 W 1608 5.00% D	
		R1713	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1714	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R1715	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R1716	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R1717	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		R1718	0RH0000C622	RESISTOR,METAL GLAZED(CHIP)	0 OHM 1 / 16 W 1608 5.00% D	
		V1701	6102R7E001A	VARISTOR,DRAWING	AVRL161A1R1NT , TDK , 90V , 16	
		V1702	6102R7E001A	VARISTOR,DRAWING	AVRL161A1R1NT , TDK , 90V , 16	
		V1703	6102R7E001A	VARISTOR,DRAWING	AVRL161A1R1NT , TDK , 90V , 16	
		V1704	6102R7E001A	VARISTOR,DRAWING	AVRL161A1R1NT , TDK , 90V , 16	
		V1705	6102R7E001A	VARISTOR,DRAWING	AVRL161A1R1NT , TDK , 90V , 16	
		V1706	6102R7E001A	VARISTOR,DRAWING	AVRL161A1R1NT , TDK , 90V , 16	
		V1707	6102R7E001A	VARISTOR,DRAWING	AVRL161A1R1NT , TDK , 90V , 16	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		V1708	6102R7E001A	VARISTOR,DRAWING	AVRL161A1R1NT , TDK , 90V , 16	
		***	DECK ASSEMBLY,DVD ***			
		A60	6721R-N021A	DECK ASSEMBLY,DVD	DECK/MECHA RS-01A, MD(DR-09)+M	
		1030	6850R-EA78Z	CABLE,FLAT	P=0.5 FFC UL2896 SPECIAL 78 D-	
		1439	1SZZH-1007B	SCREW,DRAWING	+ D2.0 6MM SWRCH16A/ZNBK 4MM 1	
		A002	6721R-D021A	DECK ASSEMBLY,DVD	DECK/MECHA DR-09 MD	
		1011	3040H-1138A	BASE	UP DOWN NM LUPOS GP2100	
		1012	4974H-1117A	GUIDE	UP DOWN NM KEPITAL F20-03	
		1013	4470H-1164A	GEAR	LOADING NM KEPITAL F20-03	
		1014	4510H-1070A	LEVER	EMERGENCY NM KEPITAL F20-03	
		1015	4400H-1014A	BELT	LOADING NM	
		1016	4560H-1018A	PULLEY	GEAR NM KEPITAL F20-03	
		1017	4470H-1163A	GEAR	IDLE NM KEPITAL F20-03	
		1018	4680R-E009A	MOTOR(MECH)	FEEDING RF300EH-1D390 MABUCHI	
		1019	4560H-1005A	PULLEY	MOTOR(GM-R512)	
		1020	3040R-D026A	BASE	MAIN(DR-09) MOLD (RS-01A)	
		1025	5040H-1104C	RUBBER	REAR NM(DVDW) 30 - KEEPER	
		1026	3390R-0037A	TRAY	DVD DISC(DR-09) MOLD (RS-01A)	
		1036	4680HP5025C	MOTOR(MECH)	SPS-15RF-172KPA MOATECH STEPPI	
		1038	4930H-1127A	HOLDER	SHAFT NM(DVDW) POM	
		1041	5040H-1103C	RUBBER	FRONT NM(DVDW) 35 - KEEPER	
		1432	1SZZH-1072D	SCREW,DRAWING	+ D2.0 4.5MM SWRCH16A/ZNW 4MM	
		1437	1SZZH-1003E	SCREW,DRAWING	+ D2.0 13MM SWRCH16A/NIY 4.5M	
		1032	4810H-1105A	BRACKET	DVA NM(DVDW) 2T SECC DVDW	
		1033	4810H-1108A	BRACKET	BRACKET W/B JW3 SECC 1.6T -	
		1034	5040H-1078A	RUBBER	ANTI-SHOCK GCC-4120B ,	
		1434	1SZZH-1072E	SCREW,DRAWING	+ D2.0 6MM SWRCH16A/ZNW 4MM	
		A005	6871R-0P54A	PWB(PCB) ASSEMBLY,TOTAL	RS-01A FRONT	
		1042	558-026I	SWITCH,TACT	JTP-1236A JEIL - - TACT	
		1043	6600HXF102A	SWITCH,DETECTOR	MPU20160MLB0 MIC DC 5-0 V 0-	
		1043	6600KW3004C	SWITCH,MICRO	SW2AB-254-10 SHINMEI 5VDC 10MA	ALTERNATE
		1044	6630X60119A	CONNECTOR (CIRC),FFC/FPC	FCZ100E-07RSK YEON HO 7P 1.0MM	
		1045	6850R-GG64Z	CABLE,FLAT	P=1.0 FFC UL2896(0.05X0.65) 7	
		A001	3551R-0677A	COVER ASSEMBLY	DECK/MECHA RS-01A TOP	
		1001	3550H-1116A	COVER	COVER-CABINET XENON COMMON USE	
		1002	3550R-2003A	COVER	DVD TOP(DR-09) PRESS 0.6T(RS-0	
		1003	4861R-0021A	CLAMP ASSEMBLY	DECK/MECHA DR-09 (RS-01A)	
		1048	3551R-0678A	COVER ASSEMBLY	DECK/MECHA RS-01A BOTTOM	
		1046	5040H-1074D	RUBBER	JW1 GWA-4083B GR-D 12X12XT1 1.	
		1047	3550R-2004A	COVER	DVD BTM(DR-09) PRESS 0.5T(RS-0	
		1431	1SZZR-0098G	SCREW,DRAWING	+ 2 D3.0 L8.0 MSWR3/FZMCW-1 3C	
		LAR106	0RRZVTA0018	RESISTOR,DRAWING	47 OHM 1 / 16 W 1608*4 5% R/TP	
		LAR107	0RRZVTA0018	RESISTOR,DRAWING	47 OHM 1 / 16 W 1608*4 5% R/TP	
		LAR261	0RRZVTA0014	RESISTOR,DRAWING	10K OHM 1/16W 3216 5% R/TR 8T4	
		LC102	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC103	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC104	0CK106FF94A	CAPACITOR,FIXED CERAMIC(HIGH D	10UF 3225 16V 80%,-20% R/TP F(	
		LC105	0CK106FF94A	CAPACITOR,FIXED CERAMIC(HIGH D	10UF 3225 16V 80%,-20% R/TP F(	
		LC107	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC108	0CK105CC56A	CAPACITOR,FIXED CERAMIC(HIGH D	1UF 1608 6.3V 10% R/TP X7R	
		LC116	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC117	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC118	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC120	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC128	0CK105CC56A	CAPACITOR,FIXED CERAMIC(HIGH D	1UF 1608 6.3V 10% R/TP X7R	
		LC132	0CK105CC56A	CAPACITOR,FIXED CERAMIC(HIGH D	1UF 1608 6.3V 10% R/TP X7R	
		LC133	0CK105CC56A	CAPACITOR,FIXED CERAMIC(HIGH D	1UF 1608 6.3V 10% R/TP X7R	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		LC134	0CH1153K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.015UF 50V 10% X7R(X) 1608 R/	
		LC135	0CH4331K412	CAPACITOR,FIXED CERAMIC(HIGH D	330PF 50V 5% NP0 1608 R/TP	
		LC136	0CH1153K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.015UF 50V 10% X7R(X) 1608 R/	
		LC137	0CH4331K412	CAPACITOR,FIXED CERAMIC(HIGH D	330PF 50V 5% NP0 1608 R/TP	
		LC139	0CH4331K412	CAPACITOR,FIXED CERAMIC(HIGH D	330PF 50V 5% NP0 1608 R/TP	
		LC140	0CH1153K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.015UF 50V 10% X7R(X) 1608 R/	
		LC141	0CH1182K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1800PF 50V 10% B(5YP) 1608 R/T	
		LC143	0CH1182K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1800PF 50V 10% B(5YP) 1608 R/T	
		LC144	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC146	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC149	0CH4271K412	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		LC150	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC151	0CH4392K412	CAPACITOR,FIXED CERAMIC(HIGH D	3900PF 50V 5% NP0 1608 R/TP	
		LC153	0CH4681K412	CAPACITOR,FIXED CERAMIC(HIGH D	680PF 50V 5% NP0 1608 R/TP	
		LC154	0CK105CC56A	CAPACITOR,FIXED CERAMIC(HIGH D	1UF 1608 6.3V 10% R/TP X7R	
		LC159	0CH1822K562	CAPACITOR,FIXED CERAMIC(TEMP.C	8200PF 50V 10% X7R(X) 1608 R/T	
		LC161	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC163	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC165	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC175	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC202	0CH1153K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.015UF 50V 10% X7R(X) 1608 R/	
		LC223	0CH1102K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% B(5YP) 1608 R/T	
		LC224	0CH1563K516	CAPACITOR,FIXED CERAMIC(TEMP.C	0.056UF 50V 10% B(5YP) 2012 R/	
		LC226	0CH1823F562	CAPACITOR,FIXED CERAMIC(TEMP.C	82000PF 16V 10% X7R(X) 1608 R/	
		LC228	0CH1822K562	CAPACITOR,FIXED CERAMIC(TEMP.C	8200PF 50V 10% X7R(X) 1608 R/T	
		LC238	0CK105CC56A	CAPACITOR,FIXED CERAMIC(HIGH D	1UF 1608 6.3V 10% R/TP X7R	
		LC255	0CH4220K412	CAPACITOR,FIXED CERAMIC(HIGH D	22PF 50V 5% NP0 1608 R/TP	
		LC261	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC262	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC263	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC264	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC266	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC273	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC274	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC303	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		LC304	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		LC305	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		LC307	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC311	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC318	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC352	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		LC353	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		LC354	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		LC406	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC508	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LIC101	0ILNR00023A	IC,LINEAR	AN22138A-VT MATSUSHITA 32 PIN,	
		LIC121	0ILNR00022A	IC,LINEAR	AN22113A-VT MATSUSHITA 128 PIN	
		LIC201	0IMCR02031A	IC,MICRO CONTROLLER	MN103SA6GSJ MATSUSHITA 216 PIN	
		LIC261	0IMMRHY001G	IC,MEMORIES	HY57V161610ETCP-7(0.15UM) HYNI	
		LIC261	0IMMREB006C	IC,MEMORIES	M12L16161A-7T ESMT 50PIN,TSOP	ALTERNATE
		LIC261	0IMMREO002A	IC,MEMORIES	EM636165TS-7G ETRON 54PIN,TSOP	ALTERNATE
		LIC271	0IPMGRH014A	IC,POWER MANAGEMENT	BD5233G-TR ROHM SMP5C2 R/TP 3.	
		LIC301	0ILNR00045A	IC,LINEAR	BD7956FS ROHM 54PIN,HSOP R/TP	
		LIC401	0IPMGRH015B	IC,POWER MANAGEMENT	BA3259HFP ROHM 5PIN/HRP5 R/TP	
		LL101	6140R-G006A	COIL,TRAP FM	LEMC3225T100K SMD TAIYO TP	
		LL102	6140R-G006A	COIL,TRAP FM	LEMC3225T100K SMD TAIYO TP	
		LR102	0RH1002C422	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 1.00% D	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		LR113	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR114	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR155	0RH1202C422	RESISTOR,METAL GLAZED(CHIP)	12K OHM 1 / 16 W 1608 1.00% D	
		LR207	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR218	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		LR221	0RJ1004C677	RESISTOR,METAL GLAZED(CHIP)	1M OHM 1/16 W 5% 1608 R/TP	
		LR222	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR231	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		LR250	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		LR265	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR295	0RJ2202D477	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1/10 W 1% 1608 R/TP	
		LR301	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		LR302	0RH0101D622	RESISTOR,METAL GLAZED(CHIP)	1 OHM 1 / 10 W 2012 5.00% D	
		LR303	0RH0101D622	RESISTOR,METAL GLAZED(CHIP)	1 OHM 1 / 10 W 2012 5.00% D	
		LR304	0RH0101D622	RESISTOR,METAL GLAZED(CHIP)	1 OHM 1 / 10 W 2012 5.00% D	
		LR305	0RH0101D622	RESISTOR,METAL GLAZED(CHIP)	1 OHM 1 / 10 W 2012 5.00% D	
		LR306	0RH0101D622	RESISTOR,METAL GLAZED(CHIP)	1 OHM 1 / 10 W 2012 5.00% D	
		LR319	0RH0181D622	RESISTOR,METAL GLAZED(CHIP)	1.8 OHM 1 / 10 W 2012 5.00% D	
		LR320	0RH0181D622	RESISTOR,METAL GLAZED(CHIP)	1.8 OHM 1 / 10 W 2012 5.00% D	
		LR322	0RH0181D622	RESISTOR,METAL GLAZED(CHIP)	1.8 OHM 1 / 10 W 2012 5.00% D	
		LR365	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		LR401	0RH1501C622	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 16 W 1608 5.00% D	
		LR402	0RH3001C622	RESISTOR,METAL GLAZED(CHIP)	3K OHM 1 / 16 W 1608 5.00% D	
		LX201	6212BB3241A	RESONATOR,CERAMIC	CSTCE16M9V53R-0 MURATA 16.934M	
		LAR263	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		LAR271	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		LAR272	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		LAR273	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		LAR274	0RRZVTA001F	RESISTOR,DRAWING	33 OHM 1 / 16 W 3216 5% R/TP 8	
		LAR275	0RRZVTA001V	RESISTOR,DRAWING	82 OHM 1 / 16 W 3216 5% R/TP 8	
		LAR276	0RRZVTA0014	RESISTOR,DRAWING	10K OHM 1/16W 3216 5% R/TR 8T4	
		LC110	0CK475DC6CA	CAPACITOR,FIXED CERAMIC(HIGH D	4.7UF 2012 6.3V 20% R/TP JB	
		LC121	0CK105CC56A	CAPACITOR,FIXED CERAMIC(HIGH D	1UF 1608 6.3V 10% R/TP X7R	
		LC122	0CH4221K412	CAPACITOR,FIXED CERAMIC(HIGH D	220PF 50V 5% NP0 1608 R/TP	
		LC123	0CH4331K412	CAPACITOR,FIXED CERAMIC(HIGH D	330PF 50V 5% NP0 1608 R/TP	
		LC124	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC125	0CK475DC6CA	CAPACITOR,FIXED CERAMIC(HIGH D	4.7UF 2012 6.3V 20% R/TP JB	
		LC126	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC127	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC129	0CK105CC56A	CAPACITOR,FIXED CERAMIC(HIGH D	1UF 1608 6.3V 10% R/TP X7R	
		LC138	0CH1153K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.015UF 50V 10% X7R(X) 1608 R/	
		LC142	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC145	0CH1223K562	CAPACITOR,FIXED CERAMIC(TEMP.C	22000PF 50V 10% X7R(X) 1608 R/	
		LC148	0CH1182K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1800PF 50V 10% B(5YP) 1608 R/T	
		LC152	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC155	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC156	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC157	0CK105CC56A	CAPACITOR,FIXED CERAMIC(HIGH D	1UF 1608 6.3V 10% R/TP X7R	
		LC158	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC162	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC164	0CH1332K562	CAPACITOR,FIXED CERAMIC(TEMP.C	3300PF 50V 10% X7R(X) 1608 R/T	
		LC170	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC171	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC172	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC201	0CK106EDD7A	CAPACITOR,FIXED CERAMIC(HIGH D	10UF 3216 10V 15% X5R R/TP	
		LC207	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC212	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		LC213	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC214	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC218	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC219	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC220	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC221	0CK124DH56A	CAPACITOR,FIXED CERAMIC(HIGH D	0.12UF 2012 25V 10% R/TP X7R	
		LC222	0CK475DC6CA	CAPACITOR,FIXED CERAMIC(HIGH D	4.7UF 2012 6.3V 20% R/TP JB	
		LC225	0CH1562K562	CAPACITOR,FIXED CERAMIC(TEMP.C	5600PF 50V 10% X7R(X) 1608 R/T	
		LC230	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC231	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC232	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC233	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC234	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC235	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC236	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC237	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC239	0CK105CC56A	CAPACITOR,FIXED CERAMIC(HIGH D	1UF 1608 6.3V 10% R/TP X7R	
		LC240	0CH1333K512	CAPACITOR,FIXED CERAMIC(TEMP.C	0.033UF 50V 10% B(5YP) 1608 R/	
		LC241	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC242	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC245	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC246	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC247	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC248	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC267	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC268	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC269	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC271	0CH4330K412	CAPACITOR,FIXED CERAMIC(HIGH D	33PF 50V 5% NP0 1608 R/TP	
		LC306	0CK106FF94A	CAPACITOR,FIXED CERAMIC(HIGH D	10UF 3225 16V 80%,-20% R/TP F(	
		LC308	0CH4271K412	CAPACITOR,FIXED CERAMIC(HIGH D	270PF 50V 5% NP0 1608 R/TP	
		LC309	0CH4820K412	CAPACITOR,FIXED CERAMIC(HIGH D	82PF 50V 5% NP0 1608 R/TP	
		LC310	0CH4820K412	CAPACITOR,FIXED CERAMIC(HIGH D	82PF 50V 5% NP0 1608 R/TP	
		LC312	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC313	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC315	0CK106FF94A	CAPACITOR,FIXED CERAMIC(HIGH D	10UF 3225 16V 80%,-20% R/TP F(	
		LC317	0CH4820K412	CAPACITOR,FIXED CERAMIC(HIGH D	82PF 50V 5% NP0 1608 R/TP	
		LC319	0CH4820K412	CAPACITOR,FIXED CERAMIC(HIGH D	82PF 50V 5% NP0 1608 R/TP	
		LC321	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC322	0CH4820K412	CAPACITOR,FIXED CERAMIC(HIGH D	82PF 50V 5% NP0 1608 R/TP	
		LC323	0CH4151K412	CAPACITOR,FIXED CERAMIC(HIGH D	150PF 50V 5% NP0 1608 R/TP	
		LC324	0CH4331K412	CAPACITOR,FIXED CERAMIC(HIGH D	330PF 50V 5% NP0 1608 R/TP	
		LC325	0CH4151K412	CAPACITOR,FIXED CERAMIC(HIGH D	150PF 50V 5% NP0 1608 R/TP	
		LC326	0CH4151K412	CAPACITOR,FIXED CERAMIC(HIGH D	150PF 50V 5% NP0 1608 R/TP	
		LC327	0CH4331K412	CAPACITOR,FIXED CERAMIC(HIGH D	330PF 50V 5% NP0 1608 R/TP	
		LC328	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC333	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC334	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC335	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC336	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC337	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC388	0CH1102K512	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% B(5YP) 1608 R/T	
		LC401	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC402	0CS476HD6DC	CAPACITOR,FIXED TANTALUM	47UF 3528 10V 20% SMD R/TP(SMD	
		LC403	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC404	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC405	0CK106EDD7A	CAPACITOR,FIXED CERAMIC(HIGH D	10UF 3216 10V 15% X5R R/TP	
		LC413	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		LC414	0CH8107F621	CAPACITOR,FIXED ELECTROLYTIC	100UF 16V 20% - R/TP	
		LC415	0CH8107F621	CAPACITOR,FIXED ELECTROLYTIC	100UF 16V 20% - R/TP	
		LC416	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC509	0CK106EDD7A	CAPACITOR,FIXED CERAMIC(HIGH D	10UF 3216 10V 15% X5R R/TP	
		LC510	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC514	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LC515	0CK106EDD7A	CAPACITOR,FIXED CERAMIC(HIGH D	10UF 3216 10V 15% X5R R/TP	
		LC518	0CK106EDD7A	CAPACITOR,FIXED CERAMIC(HIGH D	10UF 3216 10V 15% X5R R/TP	
		LC520	0CH8107F621	CAPACITOR,FIXED ELECTROLYTIC	100UF 16V 20% - R/TP	
		LC521	0CK106EDD7A	CAPACITOR,FIXED CERAMIC(HIGH D	10UF 3216 10V 15% X5R R/TP	
		LC522	0CH1104K942	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 80%,-20% Y5V(F) 1608	
		LIC262	0IMMRMR019F	IC,MEMORIES	MX29LV160CBTC-70G MACRONIX 48P	
		LL302	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 3K	
		LL402	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 3K	
		LL403	6200HJC106A	FILTER(CIRC),EMC	HH-1M2012-121JT CERATECH TP 3K	
		LPF303	6630X60074D	CONNECTOR (CIRC),FFC/FPC	04 6232 107 111 801+ KYCERA EL	
		LPM101	6630HXE440E	CONNECTOR (CIRC),FFC/FPC	04 6240 045 013 894+ ELCO 45P	
		LPM301	6630X60108A	CONNECTOR (CIRC),FFC/FPC	04-6232-113-111-801 KYCERA ELC	
		LPM302	6630XE00204	CONNECTOR (CIRC),FFC/FPC	04-6232-504-015-800 ELCO 4P 1.	
		LR116	0RH2202C622	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		LR117	0RH2202C622	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		LR122	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		LR123	0RH5600C622	RESISTOR,METAL GLAZED(CHIP)	560 OHM 1 / 16 W 1608 5.00% D	
		LR201	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR204	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		LR210	0RH1001C622	RESISTOR,METAL GLAZED(CHIP)	1K OHM 1 / 16 W 1608 5.00% D	
		LR212	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		LR213	0RJ3601C477	RESISTOR,METAL GLAZED(CHIP)	3.6KOHM 1/16 W 1% 1608 R/TP	
		LR224	0RH6800C622	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		LR225	0RH1502C622	RESISTOR,METAL GLAZED(CHIP)	15K OHM 1 / 16 W 1608 5.00% D	
		LR227	0RJ1501C477	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1/16 W 1% 1608 R/TP	
		LR228	0RH6800C622	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		LR229	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		LR230	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		LR233	0RJ5601C477	RESISTOR,METAL GLAZED(CHIP)	5.6K OHM 1/16 W 1% 1608 R/TP	
		LR236	0RJ0332C477	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1/16 W 1% 1608 R/TP	
		LR237	0RJ0332C477	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1/16 W 1% 1608 R/TP	
		LR248	0RH0822C622	RESISTOR,METAL GLAZED(CHIP)	82 OHM 1 / 16 W 1608 5.00% D	
		LR260	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		LR261	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		LR262	0RH4700C622	RESISTOR,METAL GLAZED(CHIP)	470 OHM 1 / 16 W 1608 5.00% D	
		LR266	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR267	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR273	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR274	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR275	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR276	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR279	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR281	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR282	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		LR283	0RH0822C622	RESISTOR,METAL GLAZED(CHIP)	82 OHM 1 / 16 W 1608 5.00% D	
		LR284	0RH0822C622	RESISTOR,METAL GLAZED(CHIP)	82 OHM 1 / 16 W 1608 5.00% D	
		LR285	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		LR286	0RH0822C622	RESISTOR,METAL GLAZED(CHIP)	82 OHM 1 / 16 W 1608 5.00% D	
		LR287	0RH0222C622	RESISTOR,METAL GLAZED(CHIP)	22 OHM 1 / 16 W 1608 5.00% D	
		LR288	0RH0822C622	RESISTOR,METAL GLAZED(CHIP)	82 OHM 1 / 16 W 1608 5.00% D	
		LR291	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		LR296	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR298	0RJ0332C477	RESISTOR,METAL GLAZED(CHIP)	33 OHM 1/16 W 1% 1608 R/TP	
		LR310	0RH1803C622	RESISTOR,METAL GLAZED(CHIP)	180K OHM 1 / 16 W 1608 5.00% D	
		LR312	0RH2202C622	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		LR313	0RH2202C622	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		LR316	0RH2202C622	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		LR317	0RH2202C622	RESISTOR,METAL GLAZED(CHIP)	22K OHM 1 / 16 W 1608 5.00% D	
		LR323	0RH0181D622	RESISTOR,METAL GLAZED(CHIP)	1.8 OHM 1 / 10 W 2012 5.00% D	
		LR368	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR511	0RH0472C622	RESISTOR,METAL GLAZED(CHIP)	47 OHM 1 / 16 W 1608 5.00% D	
		LR522	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LR523	0RH1002C622	RESISTOR,METAL GLAZED(CHIP)	10K OHM 1 / 16 W 1608 5.00% D	
		LPB271	6630B00077F	CONNECTOR (CIRC),BOARD TO BOAR	AA3G88-G2K2L-P P-TWO 55PIN 2.5	
		*** PWB(PCB) ASSEMBLY,TOTAL ***				
		A55	6871R-1888A	PWB(PCB) ASSEMBLY,TOTAL	RH1000 LOADER JUNCTION PCB TOT	
		PLL1604	6630VL1004Z	CONNECTOR (CIRC),WAFER	JE610C-A2.54-G40-ST JAE EUN 40	
		PLM1603	6630X60142A	CONNECTOR (CIRC),FFC/FPC	04-6263-040-000-894+ KYCERA EL	
		*** BOARD ASSEMBLY ***				
		A43	3501R-7931S	BOARD ASSEMBLY	DVD DR1F9M AA1ULL FRONT BOARD	
		275	3300R-0211A	PLATE	TIMER GND(DVD-2200'S)	
		280	3721R-F980S	PANEL ASSEMBLY,FRONT	DVD DR1F9M AA1ULL CHANGE STICK	NSP
		452	1SZZR-0098A	SCREW,DRAWING	+ 2 D3.0 L10.0 MSWR3/FZMCY-1 3	
		A50	6871R-8154A	PWB(PCB) ASSEMBLY,TOTAL	DR1F0 F TOOL TIMER	
		C602	0CE4775C618	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FL TP 5	
		C602	0CE4775C638	CAPACITOR,FIXED ELECTROLYTIC	470UF SR,SV 6.3V 20% FM5 TP 5	ALTERNATE
		C604	0CE4764F638	CAPACITOR,FIXED ELECTROLYTIC	47UF SRA,SS 16V 20% FM5 TP 5	
		L601	0LR4700K035	INDUCTOR,RADIAL LEAD	470UH 10% TP 6 X 6 TR5 -	
		C601	0CH1102K562	CAPACITOR,FIXED CERAMIC(TEMP.C	1000PF 50V 10% X7R(X) 1608 R/T	
		C603	0CH1104K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.1UF 50V 10% X7R(X) 1608 R/TP	
		C605	0CH1103K562	CAPACITOR,FIXED CERAMIC(TEMP.C	0.01UF 50V 10% X7R(X) 1608 R/T	
		IC601	0ILNRPY001B	IC,LINEAR	PT6955 PTC 24PIN SOP R/TP LED	
		L602	6140H-B003G	INDUCTOR,CHIP	NLC322522T-100K 10MH TDK	
		PTM01	6630XE00110	CONNECTOR (CIRC),FFC/FPC	04-6232-010-010-801+ ELCO 10P	
		R601	0RH4702C622	RESISTOR,METAL GLAZED(CHIP)	47K OHM 1 / 16 W 1608 5.00% D	
		R602	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R603	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R604	0RH1000C622	RESISTOR,METAL GLAZED(CHIP)	100 OHM 1 / 16 W 1608 5.00% D	
		R605	0RH3300C622	RESISTOR,METAL GLAZED(CHIP)	330 OHM 1 / 16 W 1608 5.00% D	
		R606	0RH6800C622	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R607	0RH8200C622	RESISTOR,METAL GLAZED(CHIP)	820 OHM 1 / 16 W 1608 5.00% D	
		R608	0RH1201C622	RESISTOR,METAL GLAZED(CHIP)	1.2K OHM 1 / 16 W 1608 5.00% D	
		R609	0RH1501C622	RESISTOR,METAL GLAZED(CHIP)	1.5K OHM 1 / 16 W 1608 5.00% D	
		R610	0RH2201C622	RESISTOR,METAL GLAZED(CHIP)	2.2K OHM 1 / 16 W 1608 5.00% D	
		R611	0RH3301C622	RESISTOR,METAL GLAZED(CHIP)	3.3K OHM 1 / 16 W 1608 5.00% D	
		R612	0RH4701C622	RESISTOR,METAL GLAZED(CHIP)	4.7K OHM 1 / 16 W 1608 5.00% D	
		R613	0RH6800C622	RESISTOR,METAL GLAZED(CHIP)	680 OHM 1 / 16 W 1608 5.00% D	
		R614	0RH8200C622	RESISTOR,METAL GLAZED(CHIP)	820 OHM 1 / 16 W 1608 5.00% D	
		R615	0RH8201C622	RESISTOR,METAL GLAZED(CHIP)	8.2K OHM 1 / 16 W 1608 5.00% D	
		CABLE1	6631R-E116L	CONNECTOR ASSEMBLY	GIL-S/GIL-S 2P 250M/M RC100 SE	
		CABLE3	6850R-GJ10Z	CABLE,FLAT	P=1.0 FFC UL2896(0.05X0.65) 10	
		DIG601	6301R2U017E	LED ASSEMBLY	TOS-4602AHG-B4 ADD OASIS UNIVE	
		PTT01	561-711B	CONNECTOR (CIRC),WAFER	GIL-S-02P-S2T2-EF LG CABLE 2PI	
		PTT02	561-711B	CONNECTOR (CIRC),WAFER	GIL-S-02P-S2T2-EF LG CABLE 2PI	
		RC601	6712R1638GB	REMOTE CONTROLLER RECEIVER	TSOP4438RF1 VISHAY 38KHZ =TSOP	
		SW601	6600R000028	SWITCH,TACT	TSHB-2V HUA JIE 12VDC DC 50MA	
		SW602	6600R000028	SWITCH,TACT	TSHB-2V HUA JIE 12VDC DC 50MA	
		SW603	6600R000028	SWITCH,TACT	TSHB-2V HUA JIE 12VDC DC 50MA	

S	AL	LOCA. NO.	PART NO.	DESCRIPTION	SPECIFICATION	REMARKS
		SW604	6600R000028	SWITCH,TACT	TSHB-2V HUA JIE 12VDC DC 50MA	
		SW605	6600R000028	SWITCH,TACT	TSHB-2V HUA JIE 12VDC DC 50MA	
		SW606	6600R000028	SWITCH,TACT	TSHB-2V HUA JIE 12VDC DC 50MA	
		SW607	6600R000028	SWITCH,TACT	TSHB-2V HUA JIE 12VDC DC 50MA	
		SW608	6600R000028	SWITCH,TACT	TSHB-2V HUA JIE 12VDC DC 50MA	
		SW609	6600R000028	SWITCH,TACT	TSHB-2V HUA JIE 12VDC DC 50MA	
		***	**CHASSIS ASSEMBLY**	***		
		A44	3141R-D088E	CHASSIS ASSEMBLY	DR19/1F MAIN(HDMI/AMERICA)	
		260	3140R-D030B	CHASSIS	DR100 PRESS MAIN	NSP
		261	5040R-0069Q	RUBBER	DVD DV9000S OTHER 05 NEW FOOT	
		264	4930R-8001A	HOLDER	DVD RH1000 MOLD MAIN PCB	
		265	4930R-0348A	HOLDER	POWER CORD (DV6000)	
		267	4930R-0558A	HOLDER	DVD DR7000 MOLD FAN	
		268	5900R-D023C	FAN,DC	FD124015LS(1N2K) YSTECH 40X40X	
		320	3720R-D148E	PANEL,VIDEO	DVD DR AMERICA PRESS BACK(HDMI	
		465	1SZZR-0097N	SCREW,DRAWING	+ 2 D3.0 L8.0 MSWR3/FZB 3CR BK	
		467	1SZZR-0098X	SCREW,DRAWING	+ 2 D3.0 L20.0 MSWR3/FZB 3CR	