



# DVD RECEIVER AMP

## HT-DL100

# **SERVICE** Manual

### DVD RECEIVER AMP SYSTEM



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## 8. IC Block Diagrams

### 8-1 Main

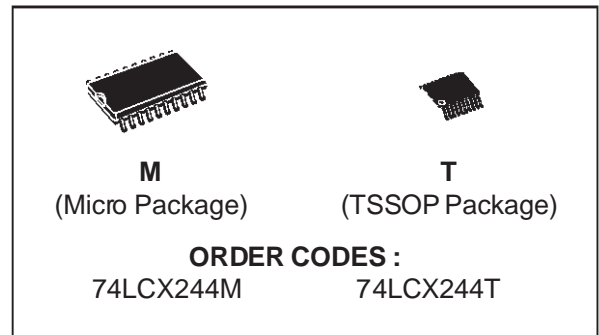
#### 1. 74CX244

## LOW VOLTAGE CMOS OCTAL BUS BUFFER (3-STATE) WITH 5V TOLERANT INPUTS AND OUTPUTS

- 5V TOLERANT INPUTS AND OUTPUTS
- HIGH SPEED:  
 $t_{PD} = 6.5 \text{ ns (MAX.) at } V_{CC} = 3\text{V}$
- POWER-DOWN PROTECTION ON INPUTS AND OUTPUTS
- SYMMETRICAL OUTPUT IMPEDANCE:  
 $|I_{OH}| = I_{OL} = 24 \text{ mA (MIN)}$
- PCI BUS LEVELS GUARANTEED AT 24mA
- BALANCED PROPAGATION DELAYS:  
 $t_{PLH} \cong t_{PHL}$
- OPERATING VOLTAGE RANGE:  
 $V_{CC} \text{ (OPR)} = 2.0\text{V to } 3.6\text{V (1.5V Data Retention)}$
- PIN AND FUNCTION COMPATIBLE WITH 74 SERIES 244
- LATCH-UP PERFORMANCE EXCEEDS 500mA
- ESD PERFORMANCE:  
 $\text{HBM} > 2000\text{V}; \text{MM} > 200\text{V}$

#### DESCRIPTION

The LCX244 is a low voltage CMOS OCTAL BUS BUFFER (NON-INVERTED) fabricated with sub-micron silicon gate and double-layer metal wiring C<sup>2</sup>MOS technology. It is ideal for low power and high speed 3.3V applications; it can be interfaced to 5V signal environment for both



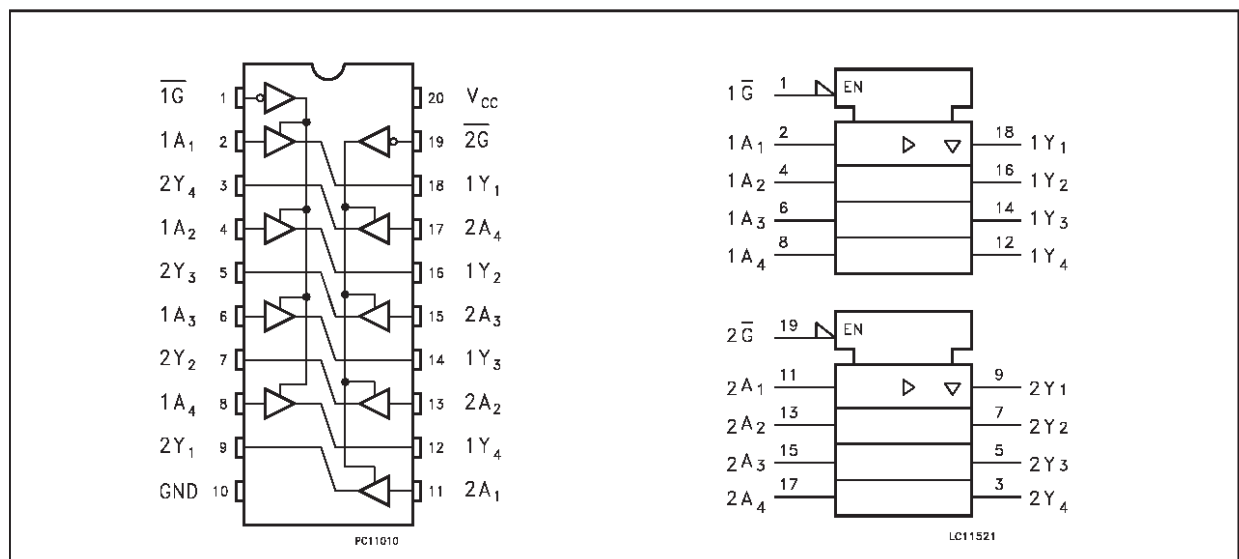
inputs and outputs.

It has same speed performance at 3.3V than 5V AC/ACT family, combined with a lower power consumption.

This device is designed to be used with 3 state memory address drivers, etc.

All inputs and outputs are equipped with protection circuits against static discharge, giving them 2KV ESD immunity and transient excess voltage.

#### PIN CONNECTION AND IEC LOGIC SYMBOLS



## 2. 74VHC244

### 74VHC244

#### Octal Buffer/Line Driver with 3-STATE Outputs

##### General Description

The VHC244 is an advanced high speed CMOS octal bus buffer fabricated with silicon gate CMOS technology. It achieves high speed operation similar to equivalent Bipolar Schottky TTL while maintaining the CMOS low power dissipation. The VHC244 is a non-inverting 3-STATE buffer having two active-LOW output enables. These devices are designed to be used as 3-STATE memory address drivers, clock drivers, and bus oriented transmitter/receivers.

An input protection circuit ensures that 0V to 7V can be applied to the input pins without regard to the supply voltage. This device can be used to interface 5V to 3V systems and two supply systems such as battery back up. This circuit prevents device destruction due to mismatched supply and input voltages.

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##### Features

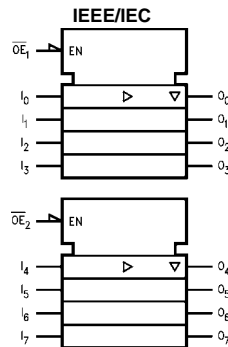
- High Speed:  $t_{PD} = 3.9\text{ns}$  (typ) at  $V_{CC} = 5\text{V}$
- High noise immunity:  $V_{NIH} = V_{NIL} = 28\% V_{CC}$  (min)
- Power down protection is provided on all inputs
- Low noise:  $V_{OLP} = 0.6\text{V}$  (typ)
- Low power dissipation:  $I_{CC} = 4 \mu\text{A}$  (max) @  $T_A = 25^\circ\text{C}$
- Pin and function compatible with 74HC244

##### Ordering Code:

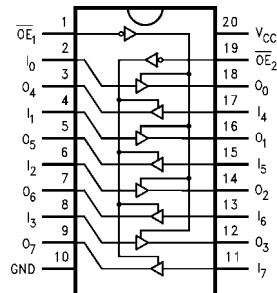
Order Number	Package Number	Package Description
74VHC244M	M20B	20-Lead Small Outline Integrated Circuit (SOIC), JEDEC MS-013, 0.300i Wide
74VHC244SJ	M20D	20-Lead Small Outline Package (SOP), EIAJ TYPE II, 5.3mm Wide
74VHC244MTC	MTC20	20-Lead Thin Shrink Small Outline Package (TSSOP), JEDEC MO-153, 4.4mm Wide
74VHC244N	N20A	20-Lead Plastic Dual-In-Line Package (PDIP), JEDEC MS-001, 0.300i Wide

Surface mount packages are also available on Tape and Reel. Specify by appending the suffix letter iX1 to the ordering code.

##### Logic Symbol



##### Connection Diagram



##### Pin Descriptions

Pin Names	Description
$\overline{OE}_1, \overline{OE}_2$	3-STATE Output Enable Inputs
$I_0\bar{n}I_7$	Inputs
$O_0\bar{n}O_7$	3-STATE Outputs

### 3. 74VHCT244A

## 74VHCT244A Octal Buffer/Line Driver with 3-STATE Outputs

### General Description

The VHCT244A is an advanced high speed CMOS octal bus transceiver fabricated with silicon gate CMOS technology. It achieves high speed operation similar to equivalent Bipolar Schottky TTL while maintaining the CMOS low power dissipation. The VHCT244A is a non-inverting 3-STATE buffer having two active-LOW output enables. This device is designed to be used as 3-STATE memory address drivers, clock drivers, and bus oriented transmitter/receivers.

Protection circuits ensure that 0V to 7V can be applied to the input and output (Note 1) pins without regard to the supply voltage. These circuits prevent device destruction

due to mismatched supply and input/output voltages. This device can be used to interface 5V to 3V systems and two supply systems such as battery back up.

**Note 1:** Outputs in OFF-State

### Features

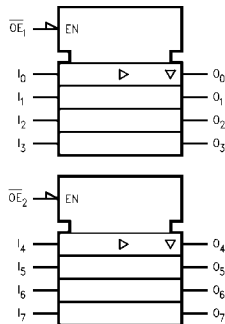
- High Speed:  $t_{PD} = 5.9$  ns (typ) at  $V_{CC} = 5V$
- Power down protection is provided on inputs and outputs
- Low power dissipation:  $I_{CC} = 4$   $\mu A$  (max) @  $T_A = 25^\circ C$
- Pin and function compatible with 74HCT244

### Ordering Code:

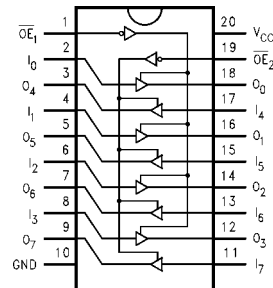
Order Number	Package Number	Package Description
74VHCT244AM	M20B	20-Lead Small Outline Integrated Circuit (SOIC), JEDEC MS-013, 0.300 Wide
74VHCT244ASJ	M20D	20-Lead Small Outline Package (SOP), EIAJ TYPE II, 5.3mm Wide
74VHCT244AMTC	MTC20	20-Lead Thin Shrink Small Outline Package (TSSOP), JEDEC MO-153, 4.4mm Wide
74VHCT244AN	N20A	20-Lead Plastic Dual-In-Line Package (PDIP), JEDEC MS-001, 0.300 Wide

Surface mount packages are also available on Tape and Reel. Specify by appending the suffix letter iX1 to the ordering code.

### Logic Symbol



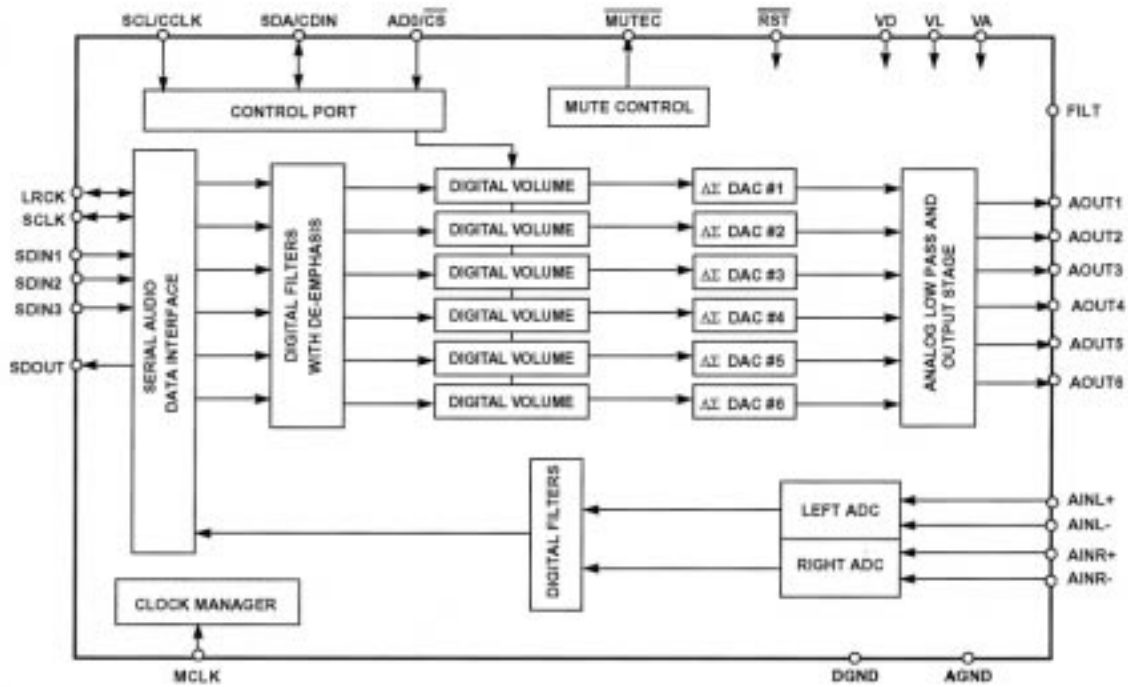
### Connection Diagram



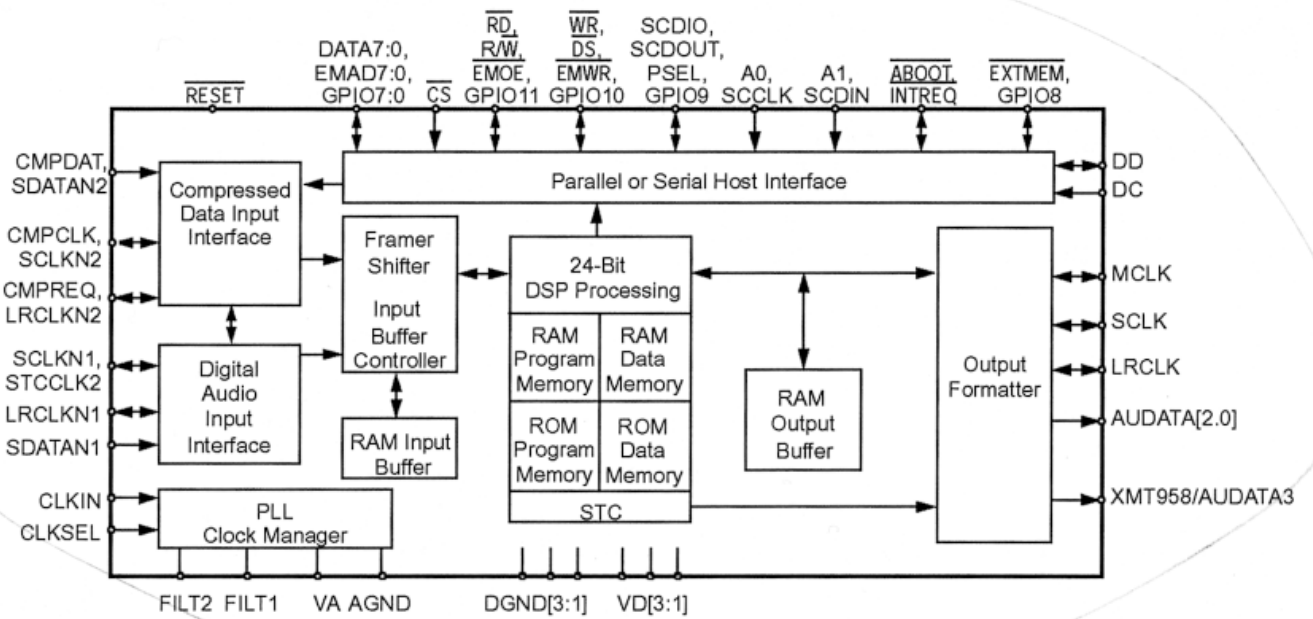
### Pin Descriptions

Pin Names	Description
$\overline{OE}_1, \overline{OE}_2$	3-STATE Output Enable Inputs
$I_0 \bar{I}_7$	Inputs
$O_0 \bar{O}_7$	3-STATE Outputs

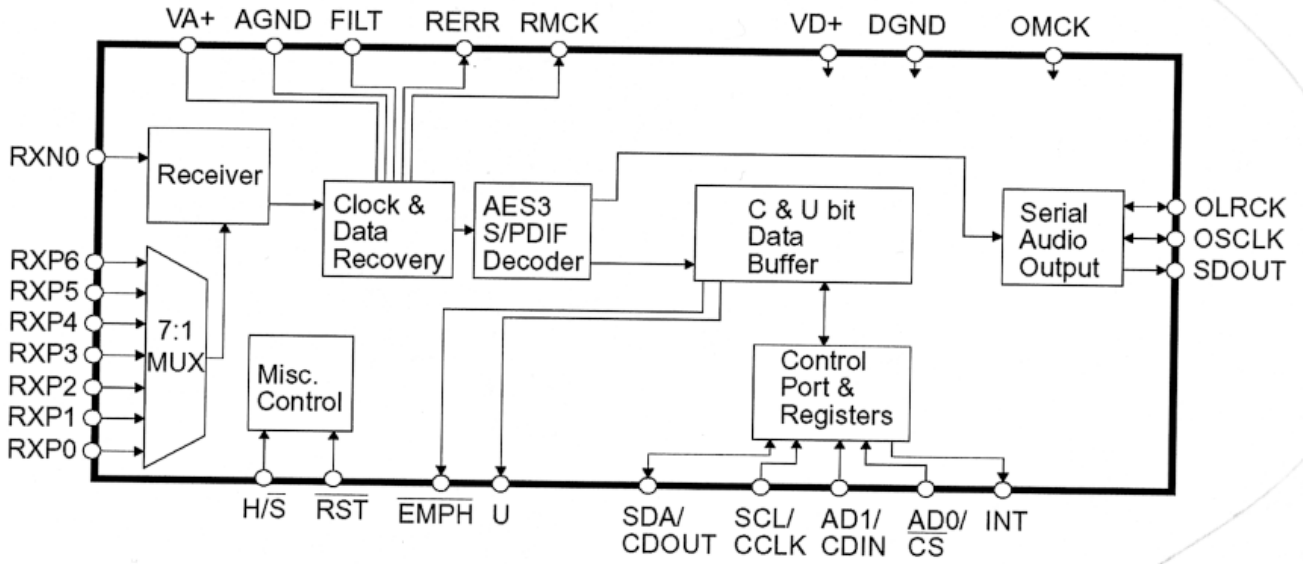
#### 4. CS4228



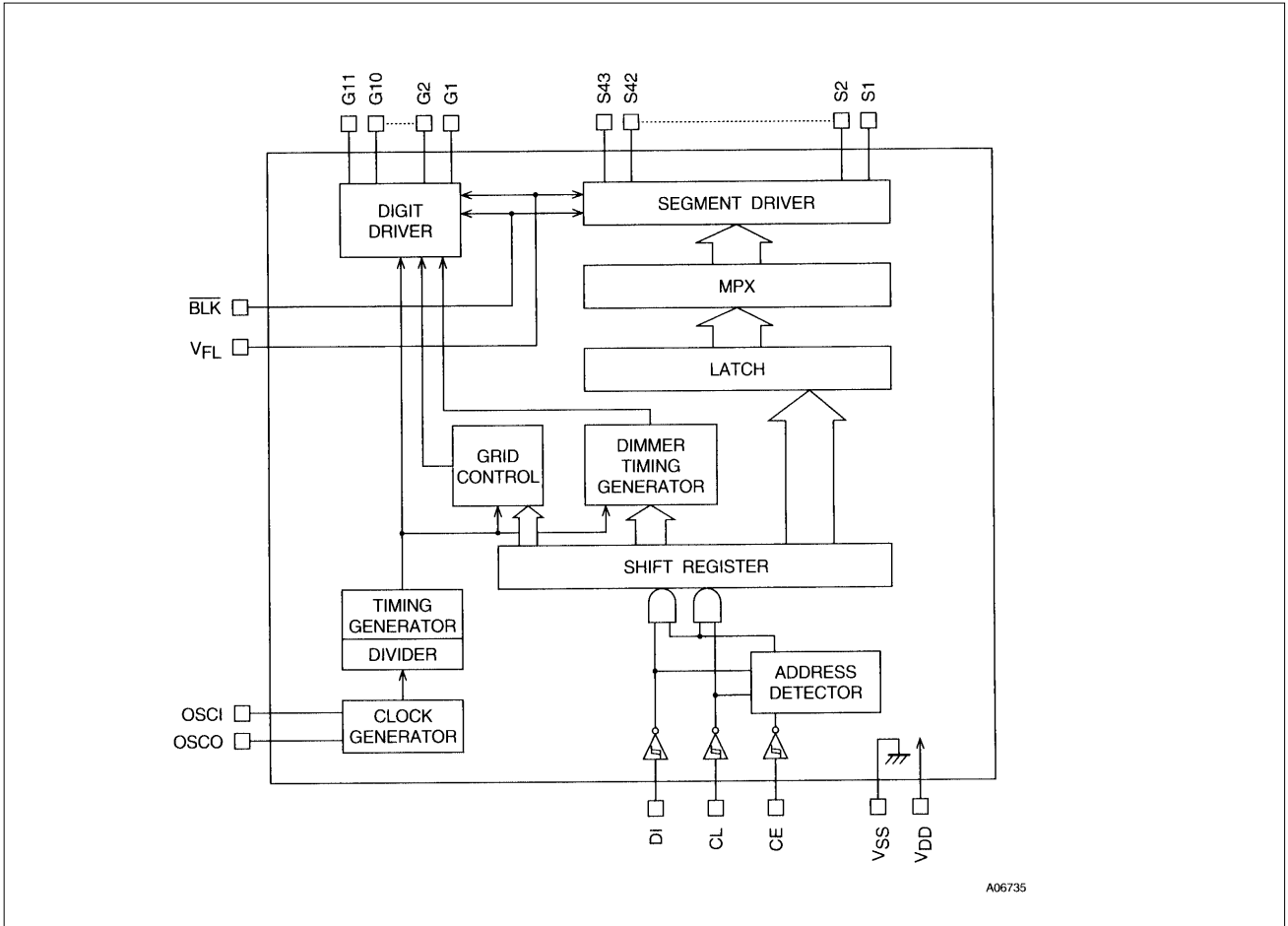
#### 5. CS49300



## 6. CS8415A



## 7.LC75275A



### Pin Functions

Pin	Pin No.	Function	I/O	Handling when unused
V <sub>FL</sub>	1, 13	Driver block power supply connection. (Both pins must be connected.)	—	—
V <sub>DD</sub>	60	Logic block power supply connection. Provide a voltage between 4.5 and 5.5 V.	—	—
V <sub>SS</sub>	57	Power supply connection. Connect to the ground.	—	—
OSC1	59	Oscillator connection. An oscillator circuit is formed by connecting an external resistor and capacitor to these pins.	I	GND
OSCO	58		O	OPEN
BLK	61	Display off control input. BLK = Low (V <sub>SS</sub> ) ... Display off. (S1 to S43 and G1 to G11 at V <sub>FL</sub> level.) BLK = High (V <sub>DD</sub> ) ... Display on. Note that serial data can be transferred while the display is turned off.	I	GND
CL	63	Serial data transfer inputs. These pins must be connected to the system microcontroller. CL: Synchronization clock DI: Transfer data CE: Chip enable	I	GND
DI	64			
CE	62			
G1 to G11	2 to 12	Digit outputs. These pins are P-channel open drain outputs with pull-down resistors.	O	OPEN
S1 to S43	56 to 14	Segment outputs for displaying the display data transferred by serial data input. These pins are P-channel open drain outputs with pull-down resistors.	O	OPEN

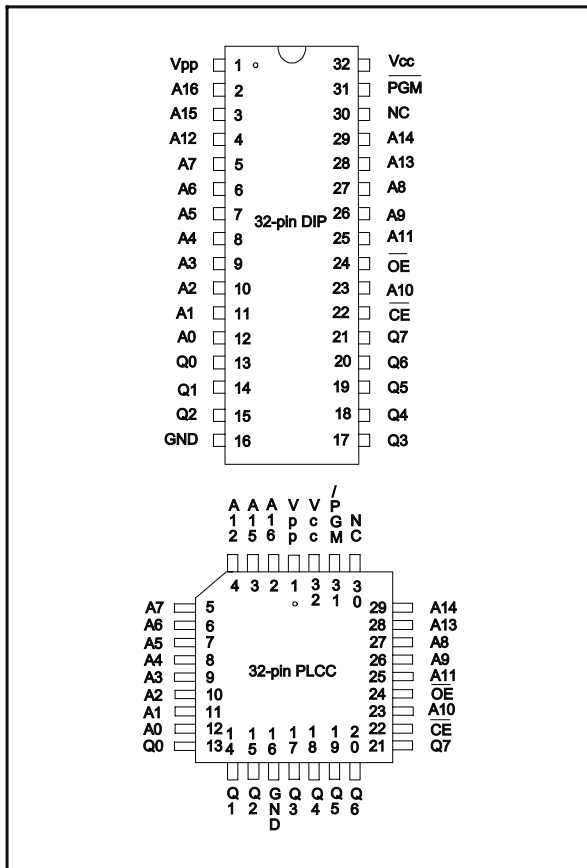
# 8.W271010

## FEATURES

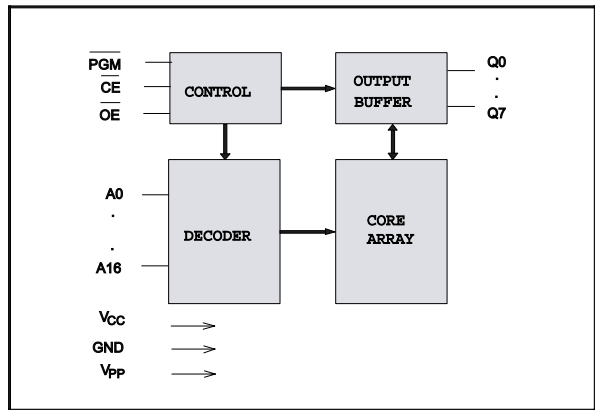
- High speed access time: 120/150 nS (max.)
- Read operating current: 10 mA (max.)
- Erase/Programming operating current: 30 mA (max.)
- Standby current: 20  $\mu$ A (max.)
- Low voltage power supply range, 3.0V to 3.6V

- +14V erase/+12V programming voltage
- Fully static operation
- All inputs and outputs directly TTL/CMOS compatible
- Three-state outputs
- Available packages: 32-pin 600 mil DIP, 450 mil SOP and PLCC

## PIN CONFIGURATIONS



## BLOCK DIAGRAM



## PIN DESCRIPTION

SYMBOL	DESCRIPTION
A0-A16	Address Inputs
Q0-Q7	Data Inputs/Outputs
CE	Chip Enable
OE	Output Enable
PGM	Program Enable
VPP	Program/Erase Supply Voltage
Vcc	Power Supply
GND	Ground
NC	No Connection

# 8-2 DVD

## 1. ZIVA- 5 DVD CONTROLER

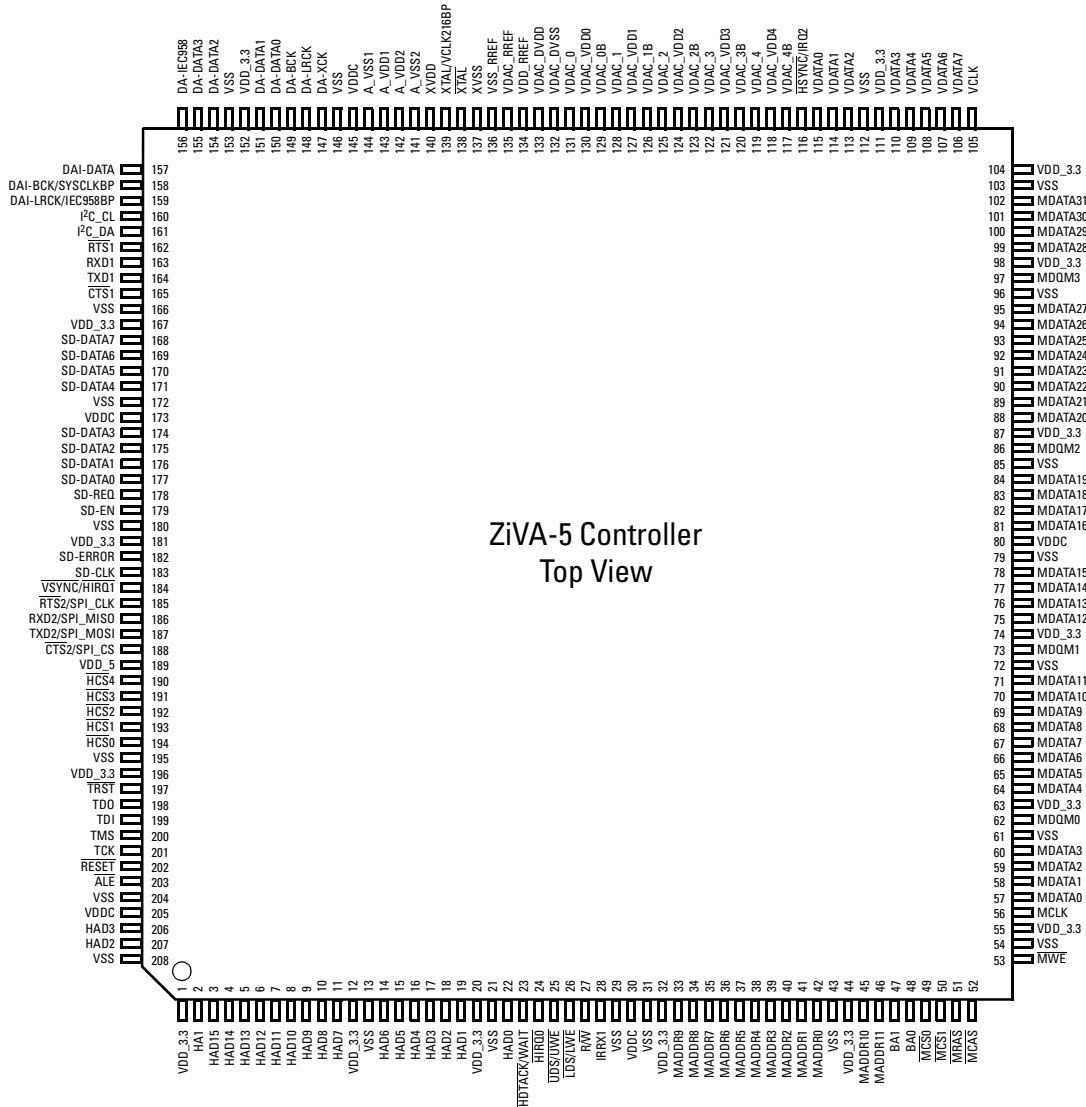


Figure 1 ZiVA-5 controller Pinout (208-pin PQFP)

Table 1 ZIVA-5 controller Pin List

Pin No.	Pin Name	I/O Voltage	I/O Type
1	VDDP	3.3V	o
2	HA1	3.3V*	I/O
3	HA15	3.3V*	I/O
4	HA14	3.3V*	I/O
5	HA13	3.3V*	I/O
6	HA12	3.3V*	I/O

**Table 1 ZiVA-5 controller Pin List (Continued)**

Pin No.	Pin Name	I/O Voltage	I/O Type
7	HA11	3.3V*	I/O
8	HA10	3.3V*	I/O
9	HA9	3.3V*	I/O
10	HA8	3.3V*	I/O
11	HA7	3.3V*	I/O
12	VDDP	3.3V	ó
13	GNDP	GROUND	ó
14	HA6	3.3V*	I/O
15	HA5	3.3V*	I/O
16	HA4	3.3V*	I/O
17	HA3	3.3V*	I/O
18	HA2	3.3V*	I/O
19	HA1	3.3V*	I/O
20	VDDP	3.3V	ó
21	GNDP	GROUND	ó
22	HA0	3.3V*	I/O
23	HDTACK/WAIT	3.3V*	I/OD
24	HIRQ0	3.3V*	I/O
25	HUDS/UWE	3.3V*	I/O
26	HLDS/LWE	3.3V*	I/O
27	HREAD	3.3V*	I/O
28	IRRX1/GPIO[0]	3.3V*	I
29	GND	GROUND	ó
30	VDD	1.8V	ó
31	GND25	GROUND	ó
32	VDD25	3.3V	ó
33	MA9	3.3V	0
34	MA8	3.3V	0
35	MA7	3.3V	0
36	MA6	3.3V	0
37	MA5	3.3V	0
38	MA4	3.3V	0
39	MA3	3.3V	0
40	MA2	3.3V	0
41	MA1	3.3V	0
42	MA0	3.3V	0
43	GND25	GROUND	ó
44	VDD25	3.3V	ó
45	MA10	3.3V	0
46	MA11	3.3V	0
47	BA1	3.3V	0
48	BA0	3.3V	0
49	MCS0	3.3V	0
50	MCS1	3.3V	0
51	MRAS	3.3V	0
52	MCAS	3.3V	0
53	MWE	3.3V	0

**Table 1 ZiVA-5 controller Pin List (Continued)**

Pin No.	Pin Name	I/O Voltage	I/O Type
54	GND25	GROUND	ó
55	VDD25	3.3V	ó
56	MCLK		0
57	MD0	3.3V	I/O
58	MD1	3.3V	I/O
59	MD2	3.3V	I/O
60	MD3	3.3V	I/O
61	GND25	GROUND	ó
62	MDQM0	3.3V	0
63	VDD25	3.3V	ó
64	MD4	3.3V	I/O
65	MD5	3.3V	I/O
66	MD6	3.3V	I/O
67	MD7	3.3V	I/O
68	MD8	3.3V	I/O
69	MD9	3.3V	I/O
70	MD10	3.3V	I/O
71	MD11	3.3V	I/O
72	GND25	GROUND	ó
73	MDQM1	3.3V	0
74	VDD25	3.3V	ó
75	MD12	3.3V	I/O
76	MD13	3.3V	I/O
77	MD14	3.3V	I/O
78	MD15	3.3V	I/O
79	GND	GROUND	ó
80	VDD	1.8V	ó
81	MD16	3.3V	I/O
82	MD17	3.3V	I/O
83	MD18	3.3V	I/O
84	MD19	3.3V	I/O
85	GND25	GROUND	ó
86	MDQM2	3.3V	0
87	VDD25	3.3V	ó
88	MD20	3.3V	I/O
89	MD21	3.3V	I/O
90	MD22	3.3V	I/O
91	MD23	3.3V	I/O
92	MD24	3.3V	I/O
93	MD25	3.3V	I/O
94	MD26	3.3V	I/O
95	MD27	3.3V	I/O
96	GND25	GROUND	ó
97	MDQM3	3.3V	0
98	VDD25	3.3V	ó
99	MD28	3.3V	I/O
100	MD29	3.3V	I/O

**Table 1 ZiVA-5 controller Pin List (Continued)**

Pin No.	Pin Name	I/O Voltage	I/O Type
101	MD30	3.3V	I/O
102	MD31	3.3V	I/O
103	GND25	GROUND	ó
104	VDD25	3.3V	ó
105	VCLK	3.3V*	I/O
106	VDATA7/GPIO[1]	3.3V*	I/O
107	VDATA6/GPIO[2]	3.3V*	I/O
108	VDATA5/GPIO[3]	3.3V*	I/O
109	VDATA4/GPIO[4]	3.3V*	I/O
110	VDATA3/GPIO[5]	3.3V*	I/O
111	VDDP	3.3V	ó
112	GNDP	GROUND	ó
113	VDATA2/GPIO[6]	3.3V*	I/O
114	VDATA1/GPIO[7]	3.3V*	I/O
115	VDATA0/GPIO[8]	3.3V*	I/O
116	HSYNC/HIRQ2/GPIO[9]	3.3V*	I/O
117	VDAC_4B	ANALOG	0
118	VDAC_VDD4	3.3V ANALOG	ó
119	VDAC_4	ANALOG	0
120	VDAC_3B	ANALOG	0
121	VDAC_VDD3	3.3V ANALOG	ó
122	VDAC_3	ANALOG	0
123	VDAC_2B	ANALOG	0
124	VDAC_VDD2	3.3V ANALOG	ó
125	VDAC_2	ANALOG	0
126	VDAC_1B	ANALOG	0
127	VDAC_VDD1	3.3V ANALOG	ó
128	VDAC_1	ANALOG	0
129	VDAC_0B	ANALOG	0
130	VDAC_VDD0	3.3V ANALOG	ó
131	VDAC_0	ANALOG	0
132	VDAC_DVSS	GROUND	
133	VDAC_DVDD 3.	3V	
134	VAC_REFVDD	3.3V	
135	VDAC_REF	ANALOG	I
136	VDAC_REFVSS	GROUND	
137	XVSS	GROUND	
138	XOUT	ANALOG	
139	XIN/bypass clk_216	ANALOG	
140	XVDD	3.3V	
141	AVSS2	GROUND	
142	AVDD2	3.3V	
143	AVDD1	3.3V	
144	AVSS1	GROUND	
145	VDD	1.8V	ó
146	GND	GROUND	ó
147	XCK	3.3V*	I/O

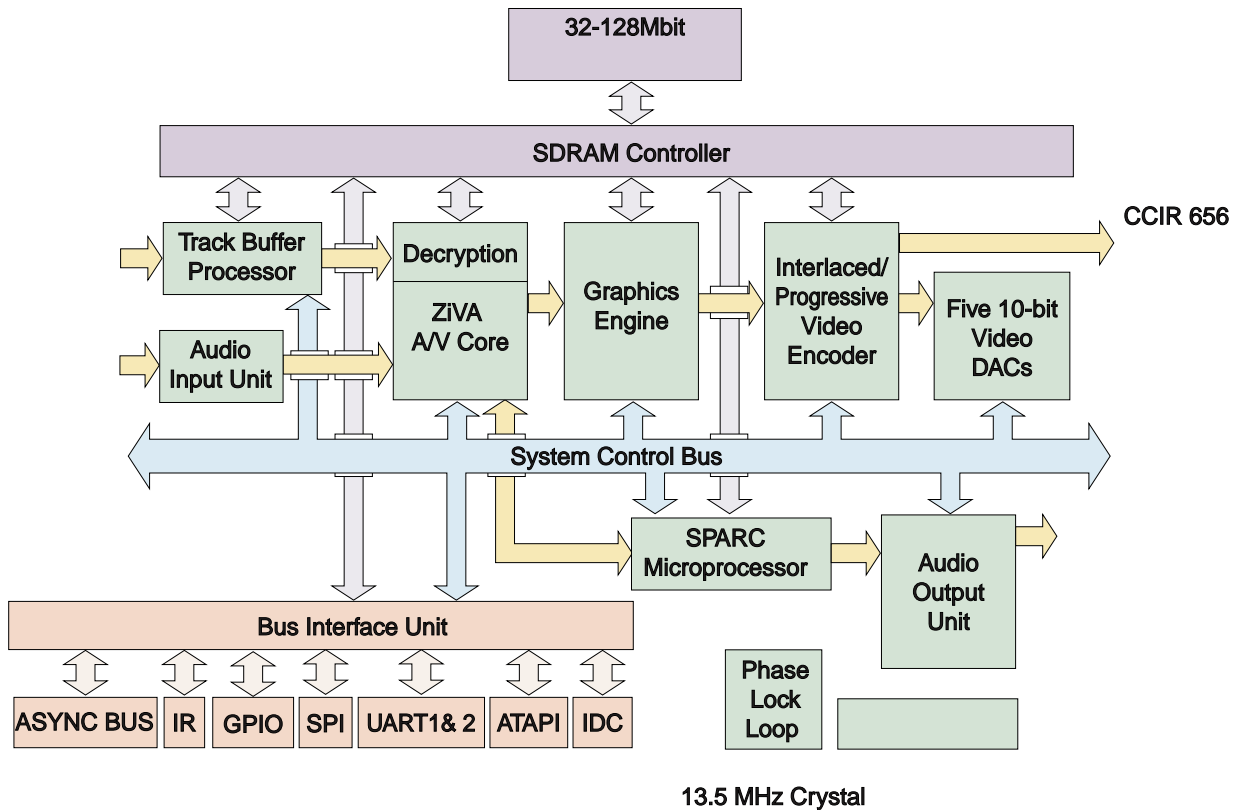
**Table 1 ZiVA-5 controller Pin List (Continued)**

Pin No.	Pin Name	I/O Voltage	I/O Type
148	LRCK	3.3V*	0
149	BCK	3.3V*	0
150	ADATA0/GPIO[10]	3.3V*	0
151	ADATA1/GPIO[11]	3.3V*	0
152	VDDP	3.3V	ó
153	GNDP	GROUND	ó
154	ADATA2/GPIO[12]	3.3V*	0
155	ADATA3/GPIO[13]	3.3V*	0
156	IEC958/GPIO[14]	3.3V*	0
157	DAI_DATA/GPIO[15]	3.3V*	I
158	DAI_BCK/bypass_sysclk/ GPIO[16]	3.3V*	I
159	DAI_LRCK/iec958bp/GPIO[17]	3.3V*	I
160	I2C_CL/GPIO[18]	3.3V*	I/OD
161	I2C_DA/GPIO[19]	3.3V*	I/OD
162	RTS1/GPIO[20]	3.3V*	0
163	RXD1/GPIO[21]	3.3V*	I
164	TXD1/GPIO[22]	3.3V*	0
165	CTS1/GPIO[23]	3.3V*	I
166	GNDP	GROUND	ó
167	VDDP	3.3V	ó
168	SDDATA7/VDATA2[7]/ HDMARQ/GPIO[24]	3.3V	I
169	SDDATA6/VDATA2[6]/HXCVR_ EN/ GPIO[25]	3.3V*	I
170	SDDATA5/VDATA2[5]/ HDMACK/GPIO[26]	3.3V*	I
171	SDDATA4/VDATA2[4]/GPIO[27]	3.3V*	I
172	GND	GROUND	ó
173	VDD	1.8V	ó
174	SDDATA3/VDATA2[3]/GPIO[28]	3.3V*	I
175	SDDATA2/VDATA2[2]/GPIO[29]	3.3V*	I
176	SDDATA1/VDATA2[1]/GPIO[30]	3.3V*	I
177	SDDATA0/VDATA2[0] /GPIO[31]	3.3V*	I
178	SDREQ/GPIO[32]	3.3V*	0
179	SDEN/GPIO[33]	3.3V*	I
180	GNDP	GROUND	ó
181	VDDP	3.3V	ó
182	SDERROR/GPIO[34]	3.3V*	I
183	SDCLK/GPIO[35]	3.3V*	I
184	VSYNC/HIRQ1/GPIO[36]	3.3V*	I/O
185	RTS2/SPI_CLK/GPIO[37]	3.3V*	0
186	RXD2/SPI_MISO/GPIO[38]	3.3V*	I
187	TXD2/SPI_MOSI/GPIO[39]	3.3V*	0
188	CTS2/SPI_CS/GPIO[40]	3.3V*	I
189	VNW	5V	ó

**Table 1 ZiVA-5 controller Pin List (Continued)**

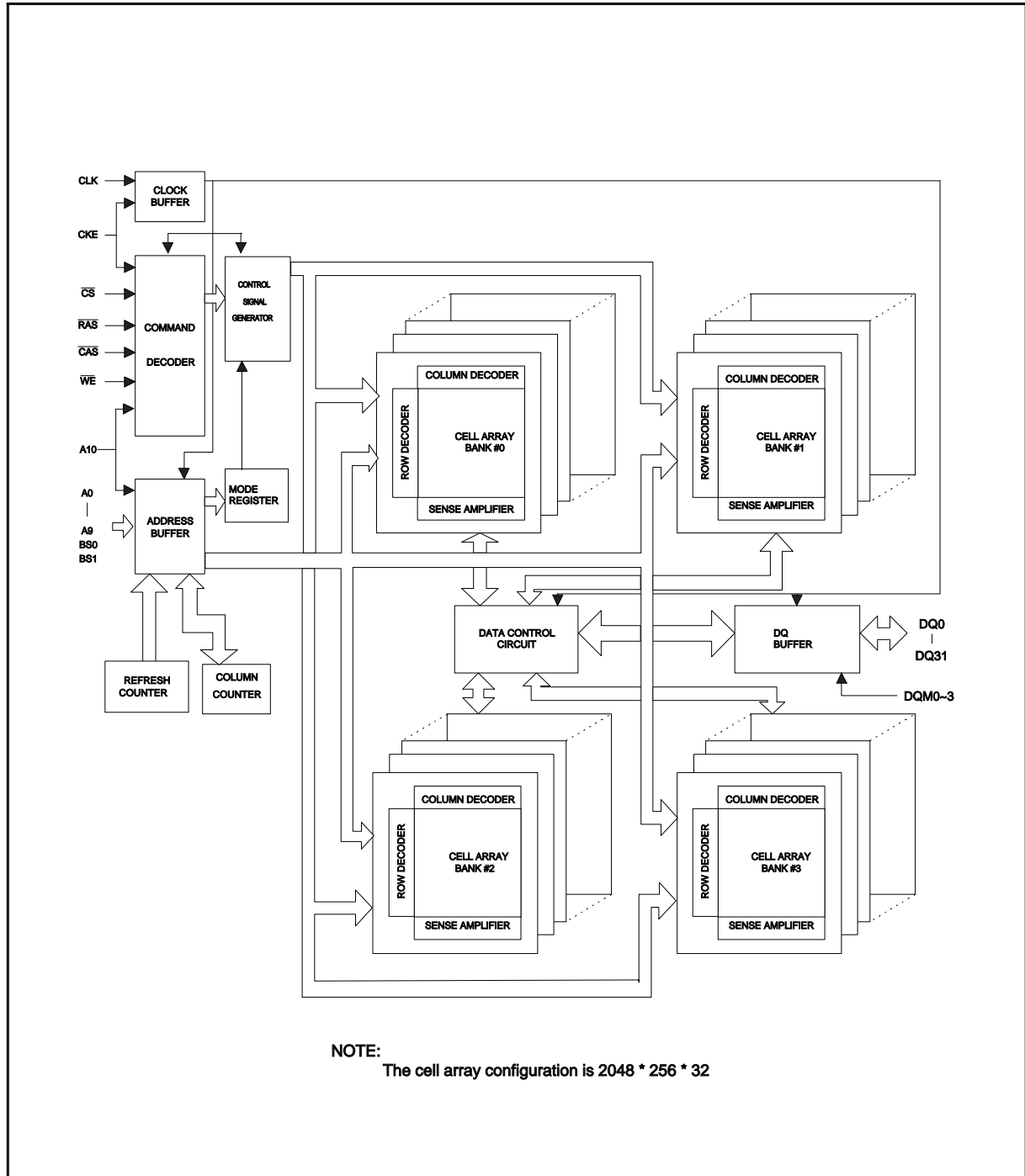
Pin No.	Pin Name	I/O Voltage	I/O Type
190	$\overline{\text{HCS4}}$ /GPIO[41]	3.3V*	I
191	$\overline{\text{HCS3}}$ /GPIO[42]	3.3V*	I
192	$\overline{\text{HCS2}}$ /GPIO[43]	3.3V*	I
193	$\overline{\text{HCS1}}$	3.3V*	I/O
194	$\overline{\text{HCS0}}$	3.3V*	I/O
195	GNDP	GROUND	ó
196	VDDP	3.3V	ó
197	$\overline{\text{TRST}}$	3.3V*	I
198	TDO	3.3V*	O
199	TDI/GPI[0]	3.3V*	I
200	TMS/GPI[1]	3.3V*	I
201	TCK	3.3V*	I
202	$\overline{\text{RESET}}$	3.3V*	I
203	$\overline{\text{ALE}}$	3.3V*	I/O
204	GND	GROUND	ó
205	VDD	1.8V	ó
206	HA3	3.3V*	I
207	HA2	3.3V*	I
208	GNDP	GROUND	ó

Note: The ZiVA-5 core operates at 1.8V ± 10%. Most I/O interface pins can be interfaced with 3.3-V or 5-V devices depending on the voltage applied to the VDD pins associated with them. Refer to the Application Note for more information.

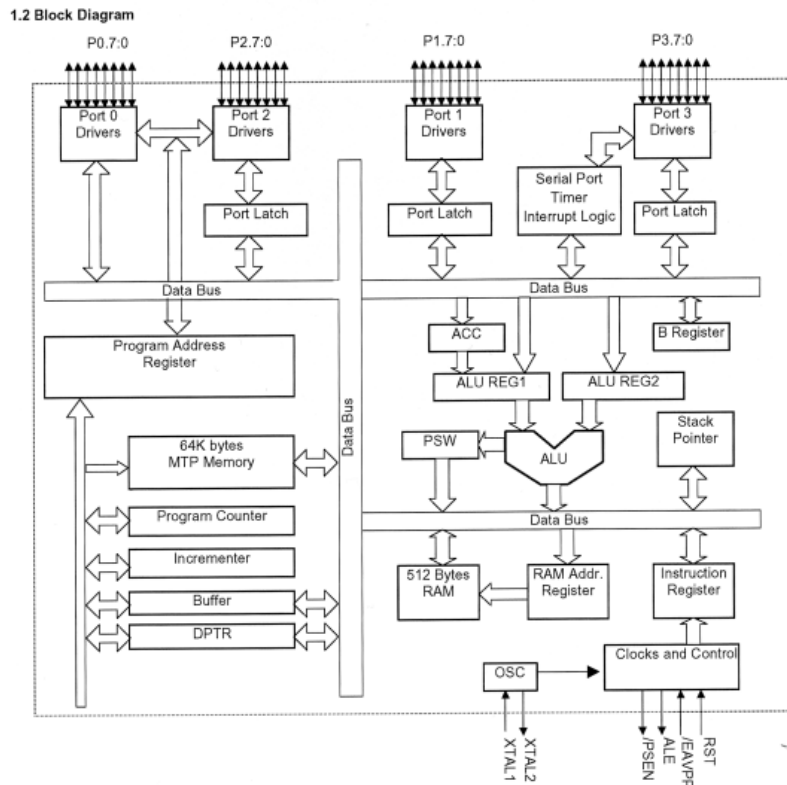


# 2.W986432DH

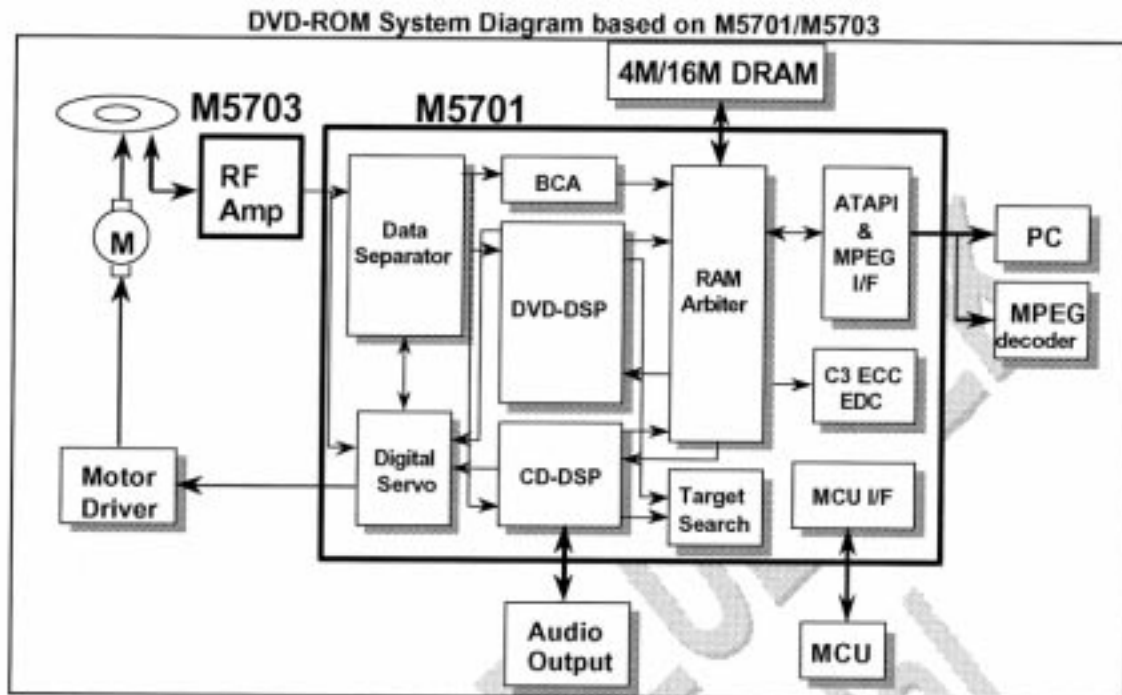
## BLOCK DIAGRAM



### 3. M6759 ; 8BIT MTP micro controller

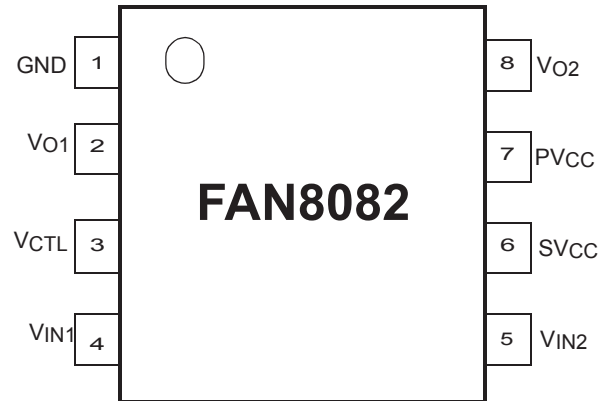


### 4. M5701 ; DVD ROM controller



## 5. FAN8082

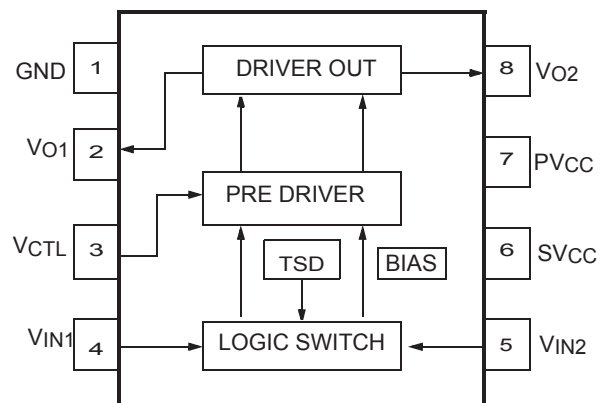
### Pin Assignments



### Pin Definitions

Pin Number	Pin Name	I/O	Pin Function Description
1	GND	-	Ground
2	VO1	O	Output 1
3	VCTL	I	Motor speed control
4	VIN1	I	Input 1
5	VIN2	I	Input 2
6	SVCC	-	Supply voltage (Signal)
7	PVCC	-	Supply voltage (Power)
8	VO2	O	Output 2

### Internal Block Diagram

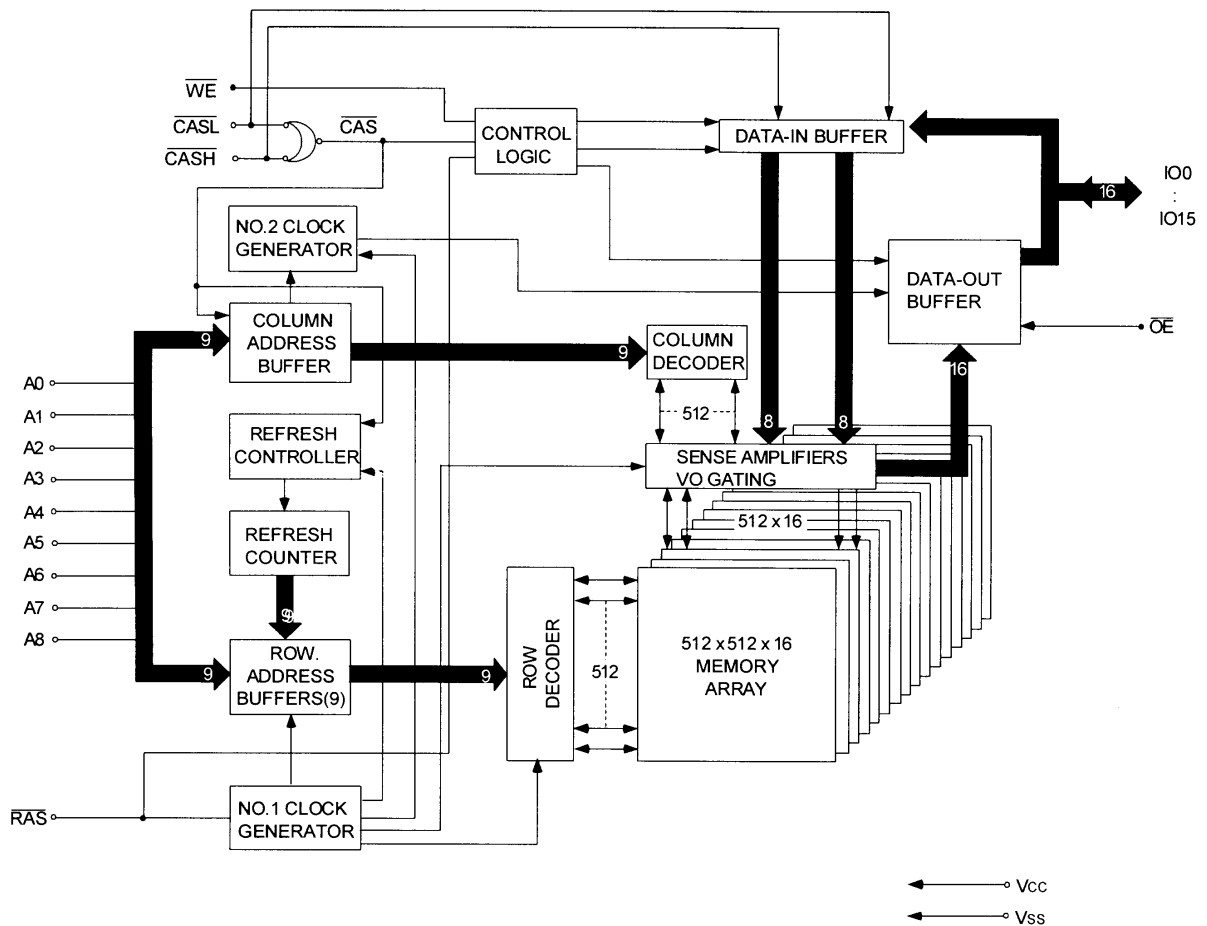


## 6. M11B416256A

**EliteMT**

Preliminary M11B416256A

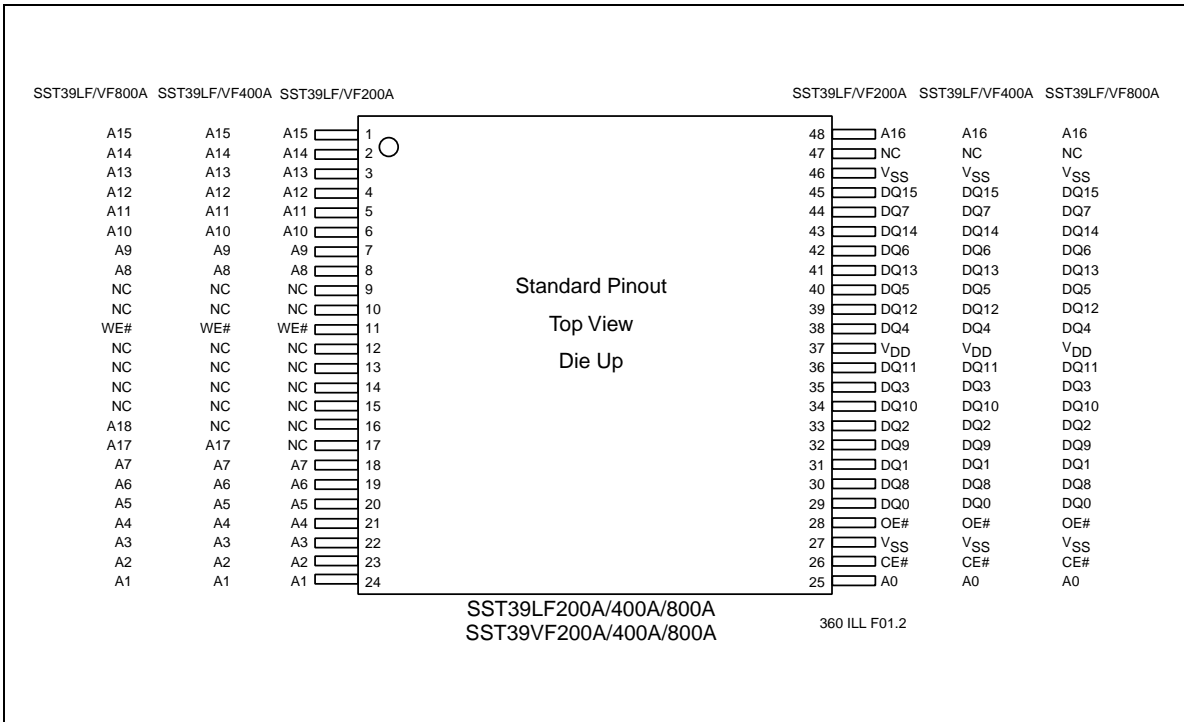
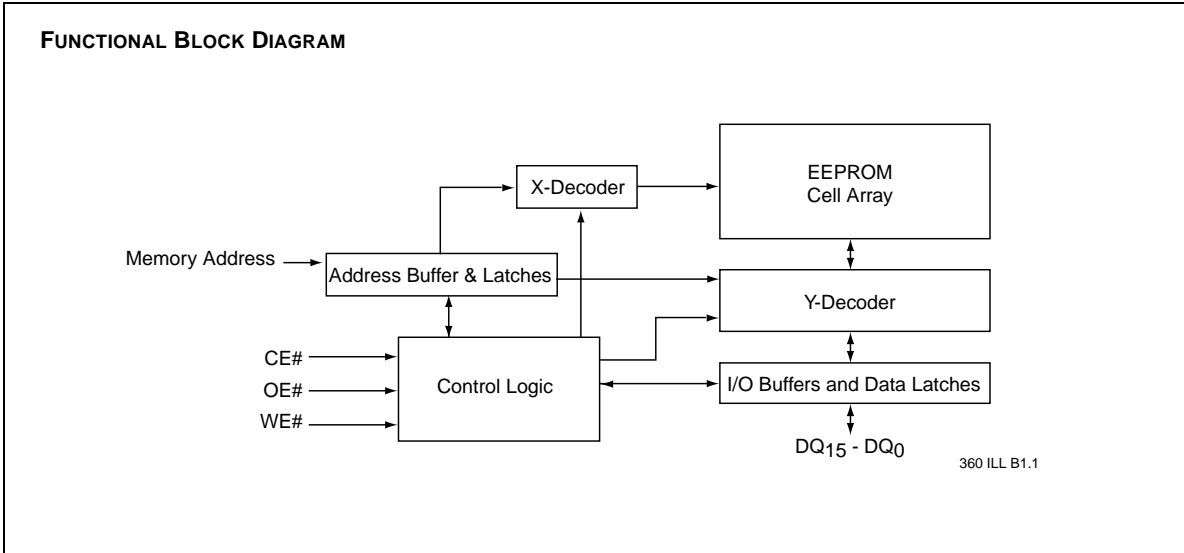
### FUNCTIONAL BLOCK DIAGRAM



### PIN DESCRIPTIONS

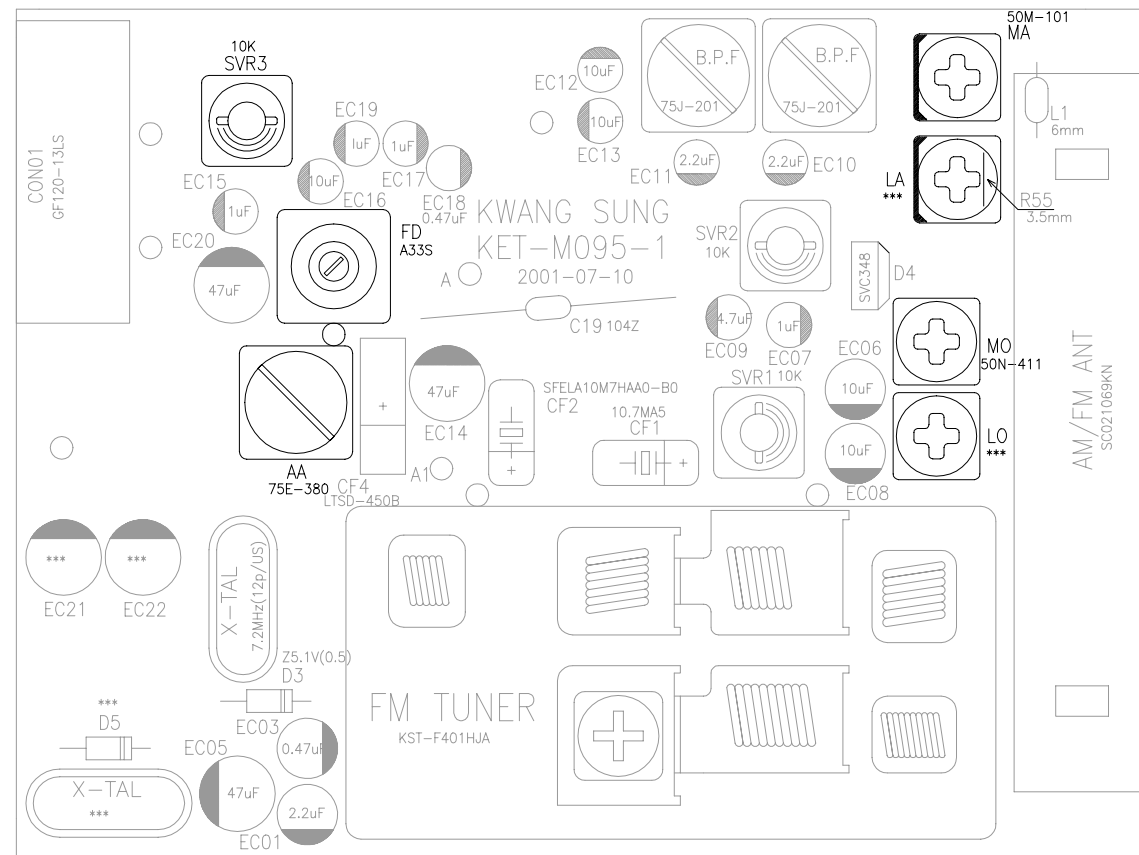
PIN NO.	SYM.	TYPE	DESCRIPTION
16~19,22~26	A0~A8	Input	Address Input
14	$\overline{\text{RAS}}$	Input	Row Address Strobe
28	$\overline{\text{CASH}}$	Input	Column Address Strobe/Upper Byte Control
29	$\overline{\text{CASL}}$	Input	Column Address Strobe/Lower Byte Control
13	$\overline{\text{WE}}$	Input	Write Enable
27	$\overline{\text{OE}}$	Input	Output Enable
2~5,7~10,31~34,36~39	I/O0 ~ I/O15	Input/Output	Data Input/Output
1,6,20	Vcc	Supply	Power, 5V
21,35,40	Vss	Ground	Ground
11,12,15,30	NC	-	No Connect

## 7. SST39LF800A ; Multi Purpose Flash



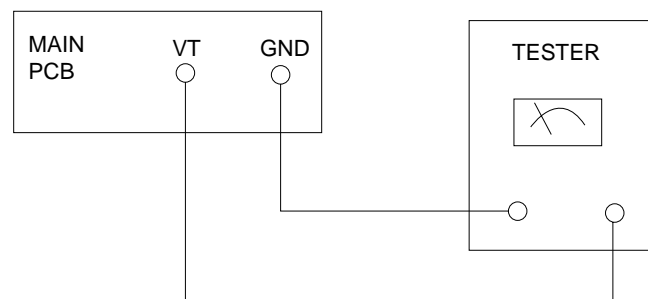
# 1. Alignment and Adjustments

## 1-1 Tuner



\* Adjustment Location of Tuner PCB

ITEAM	AM(MW) OSC Adjustment	AM(MW) RF Adjustment	LW OSC Adjustment	AM(MW) RF Adjustment
Received FREQ.	522~1611 KHz	594 KHz	146~290 KHz	150 KHz
Adjustment point	MO	MA	LO	LA
Output	1~7.0 V	Maximum Output(Fig1-4)	2~7.0 V	Maximum Output(Fig1-4)



FM THD Adjustment	
SSG FREQ.	98 MHz
Adjustment point (FD)	FM DETECTOR COIL
Output	60 dB
Minimum Distortion (0.4% below) (Figure 1-1)	

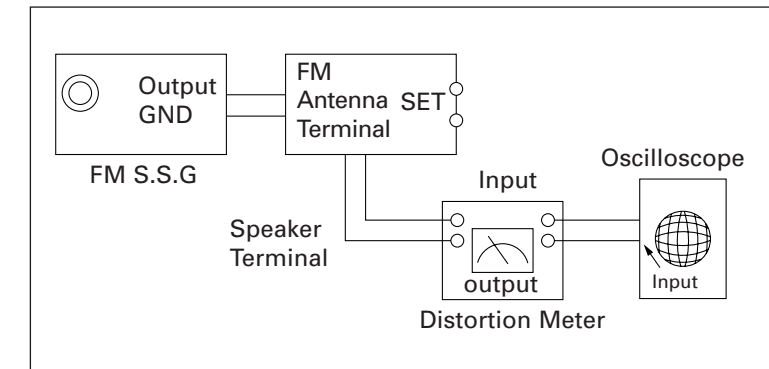


Figure1-1 IF CENTER and THD Adjustment

FM Search Level Adjustment	
SSG FREQ.	98 MHz
Adjustment point (SVR3)	BEACON SENSITIVITY SEMI-VR(20K)
Output	28 dB(□ dB)
Adjust SVR1 so that "TUNED" of FLT is lighted (Figure 1-2)	

\*Adjust FM S.S.G level to 28dB

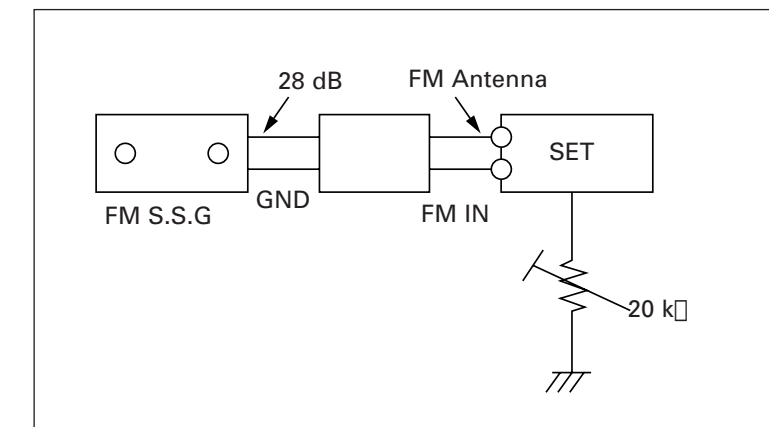


Figure1-2 FM Auto Search Level Adjustment

AM(MW) I.F Adjustment	
SSG FREQ.	450 kHz
Frequency	522 kHz
Adjustment point	AA
Maximum output (Figure 1-3)	

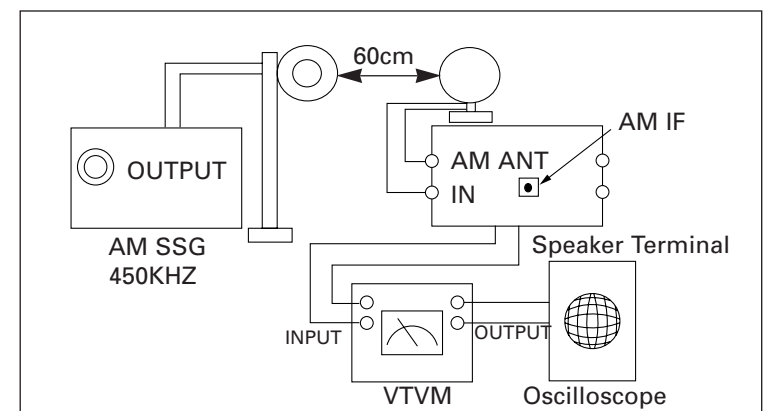
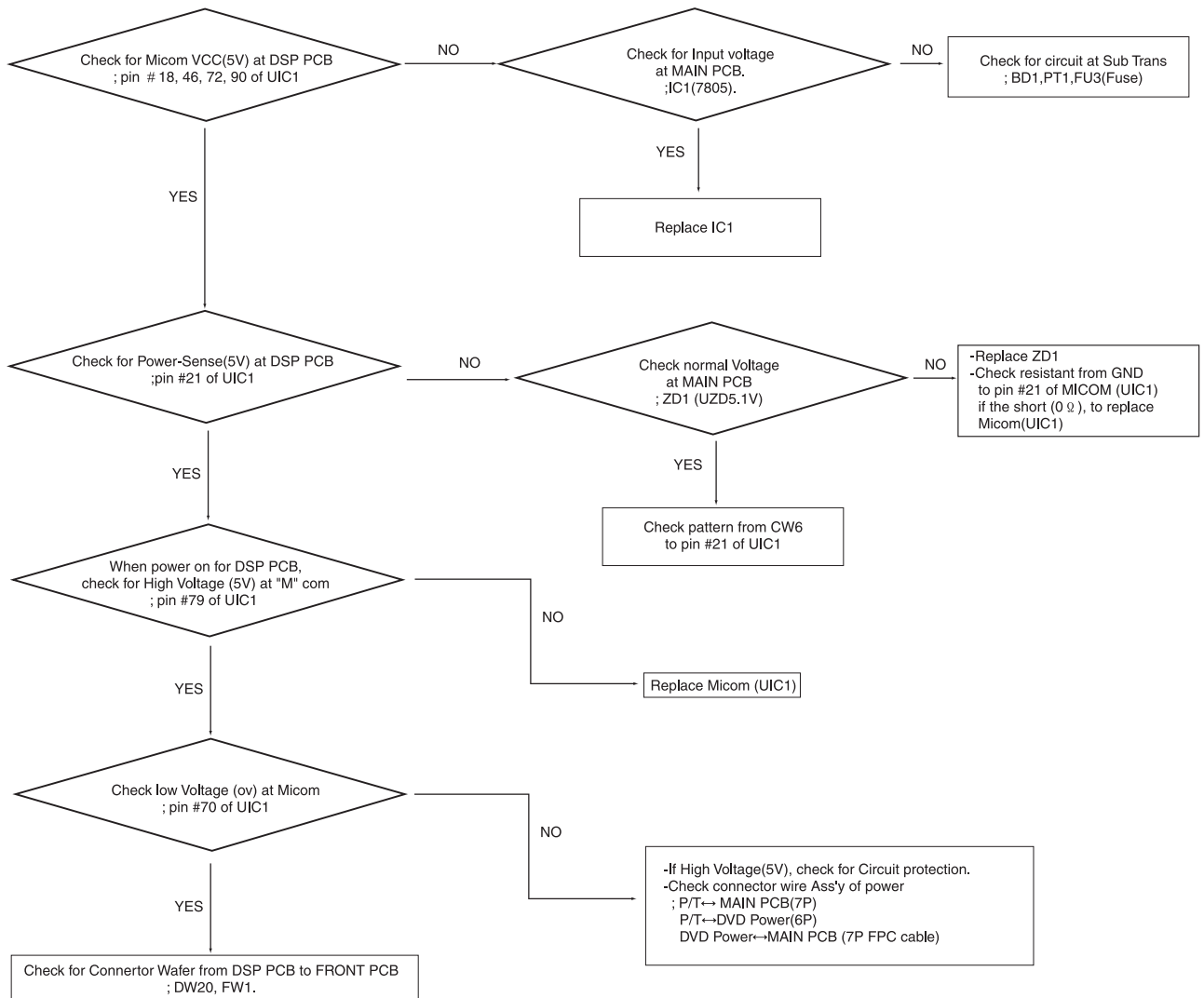


Figure1-3 AM I.F Adjustment

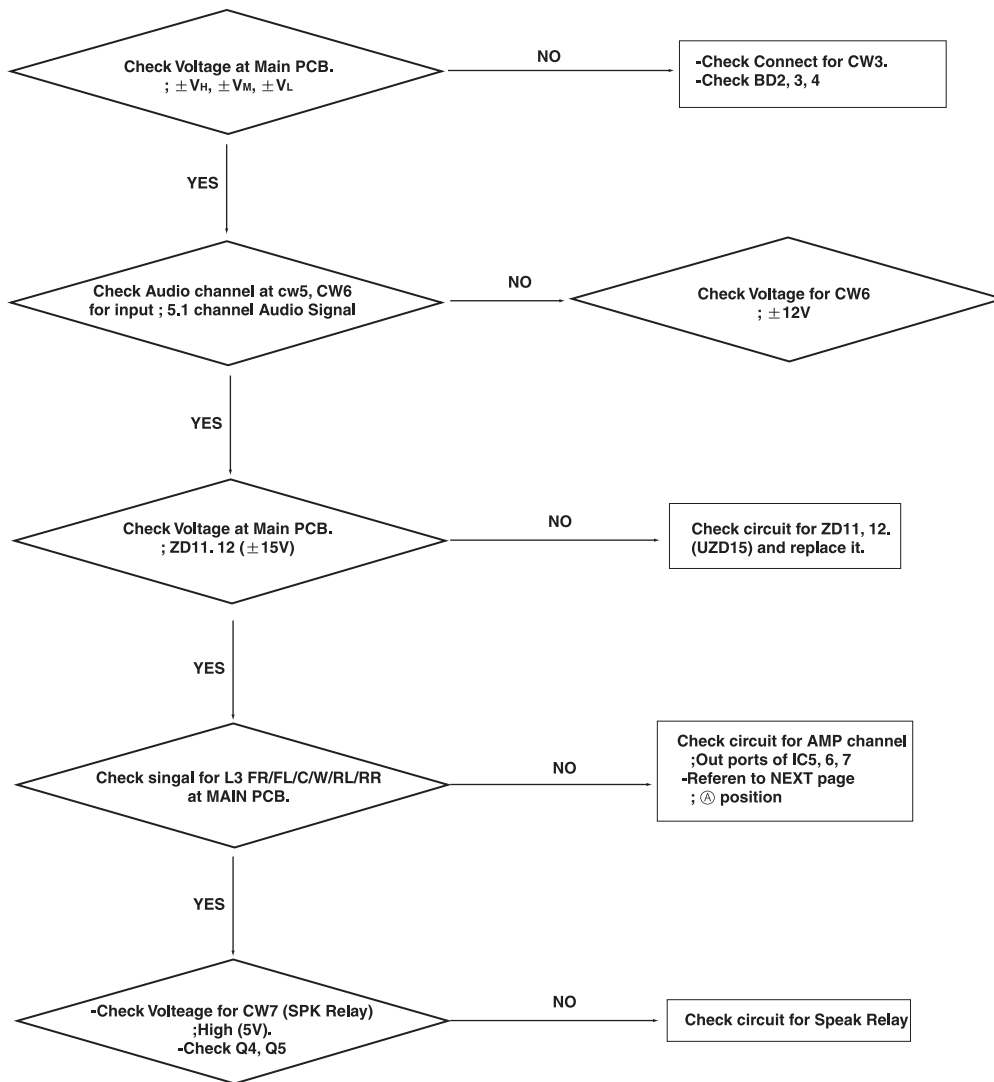
# 9. TroubleShooting

## 9-1 Main

### 1. Power

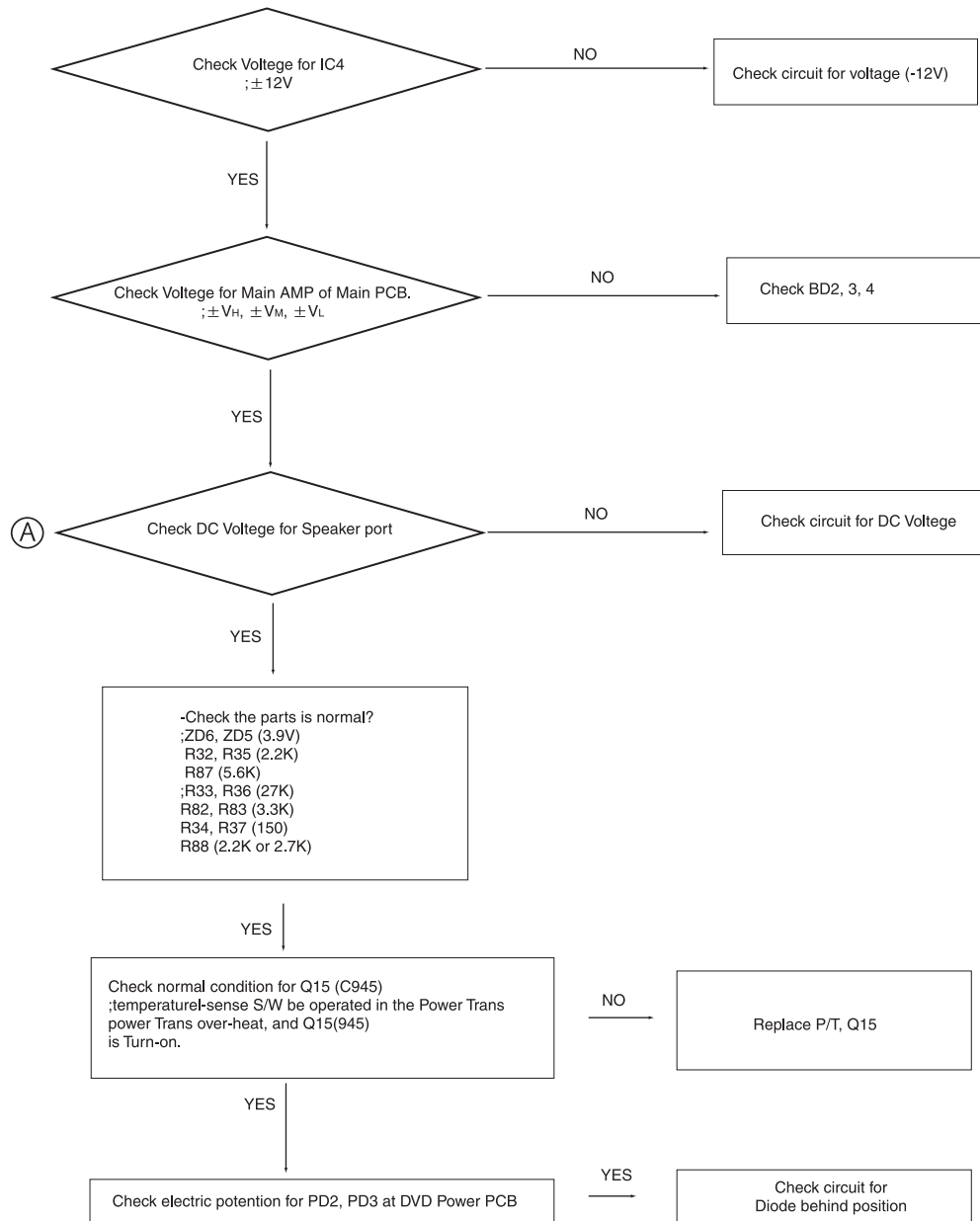


## 2. Output

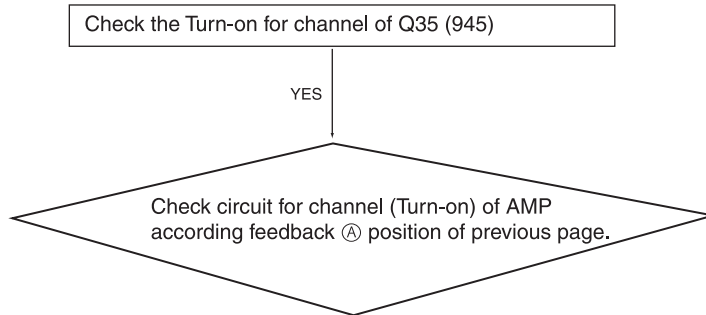


### 3. Protection (When High Voltage at protection port)

3-1. In this case "LOW" for, Base port of Q12 (R2003 TR). at MAIN PCB



3-2. In this case "LOW" for Base port of Q13(A733) at Main PCB.



3-3. Check the Connector-Wire Ass'y Connect each PCB.

- ;DVD MECHA ↔ power (6p, pw4)
- ;DVD power PCB ↔ Main PCB (7p, FPC, pw5)
- ;Power Trans ↔ Main PCB (CW3)
- ;Power Trans ↔ DVD Power PCB (pw2)

## 9-2 ZIVA (DVD) PARTS

### 1. Initial operation after ON

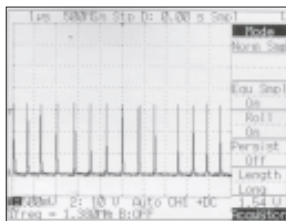
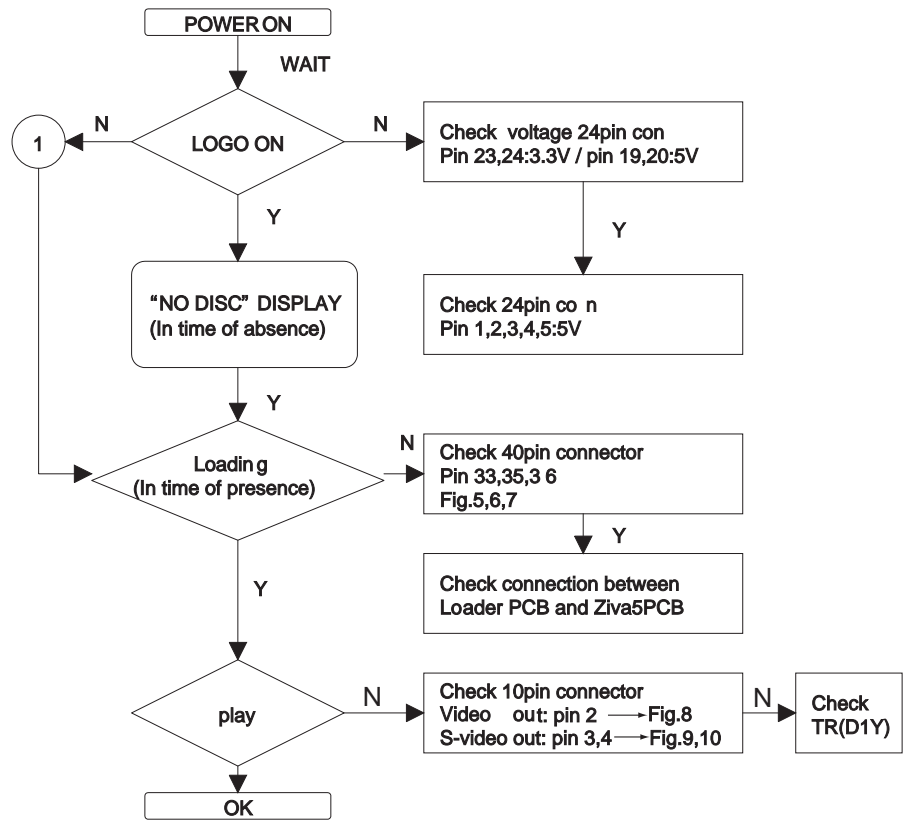


Fig.5

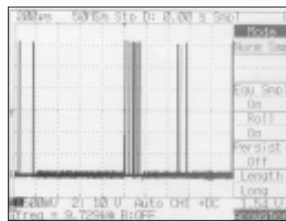


Fig.6

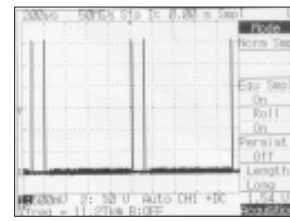


Fig.7

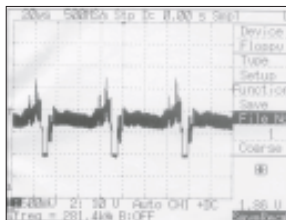


Fig.8

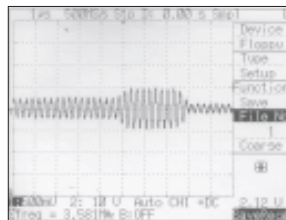


Fig.9

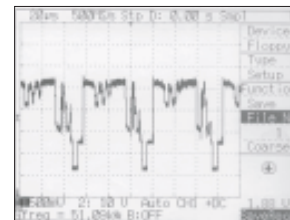


Fig.10

## 2. LOGO OPERATION

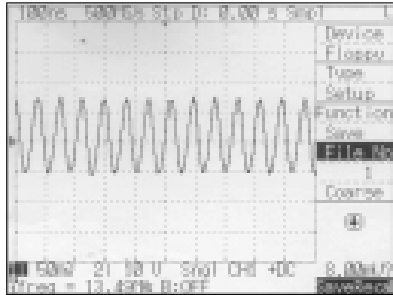
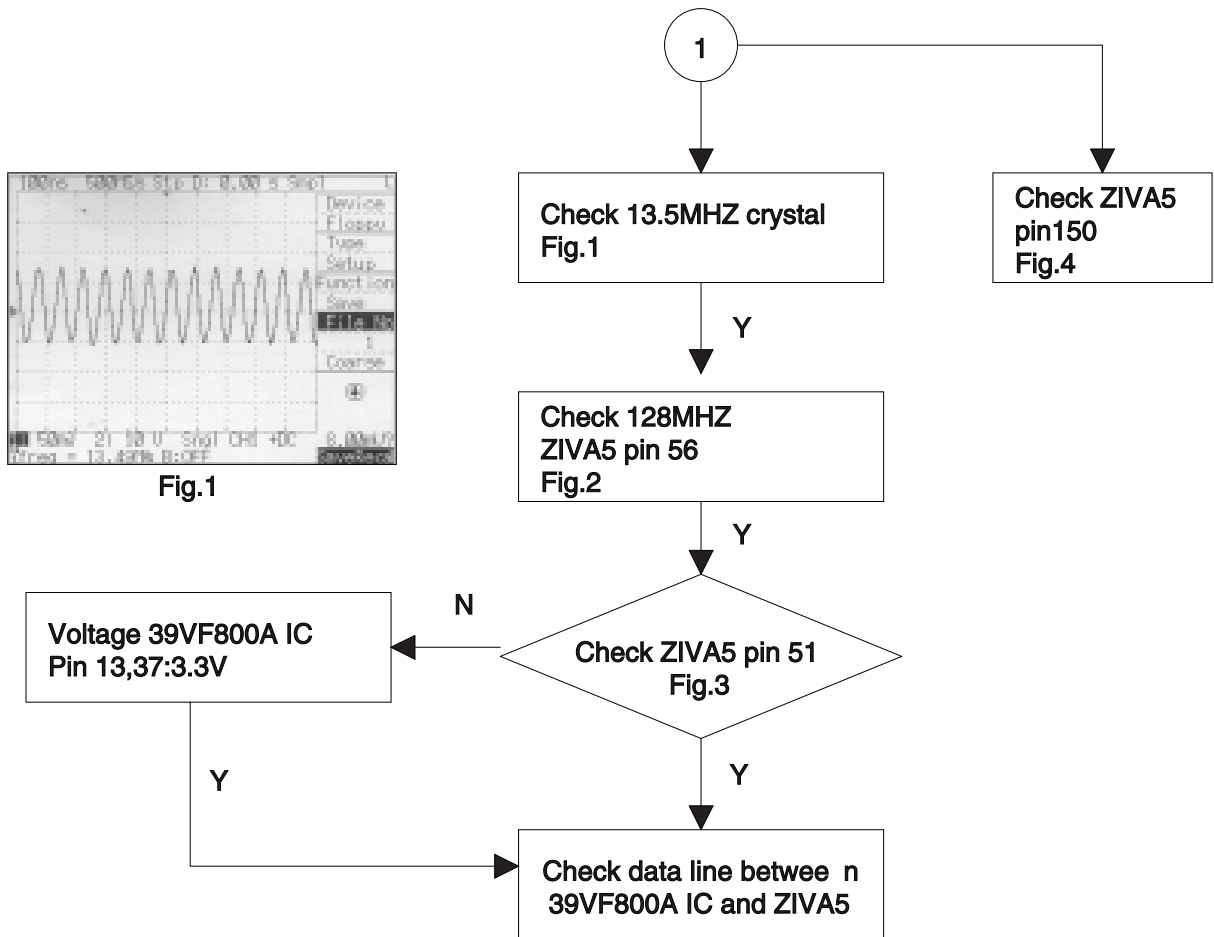


Fig.1

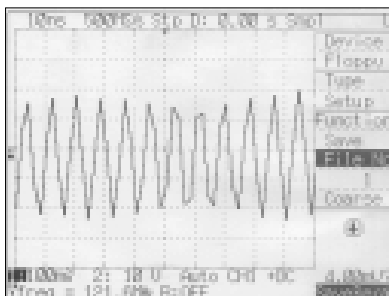


Fig.2

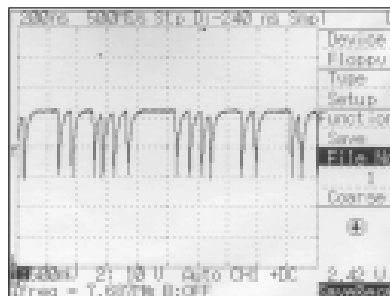


Fig.3

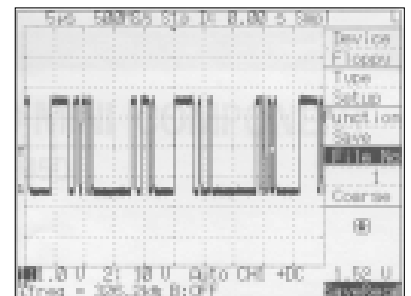
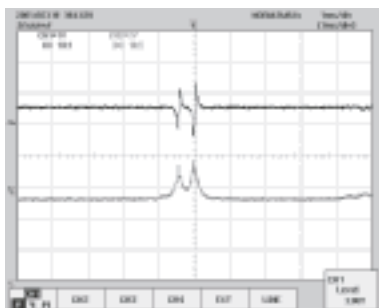
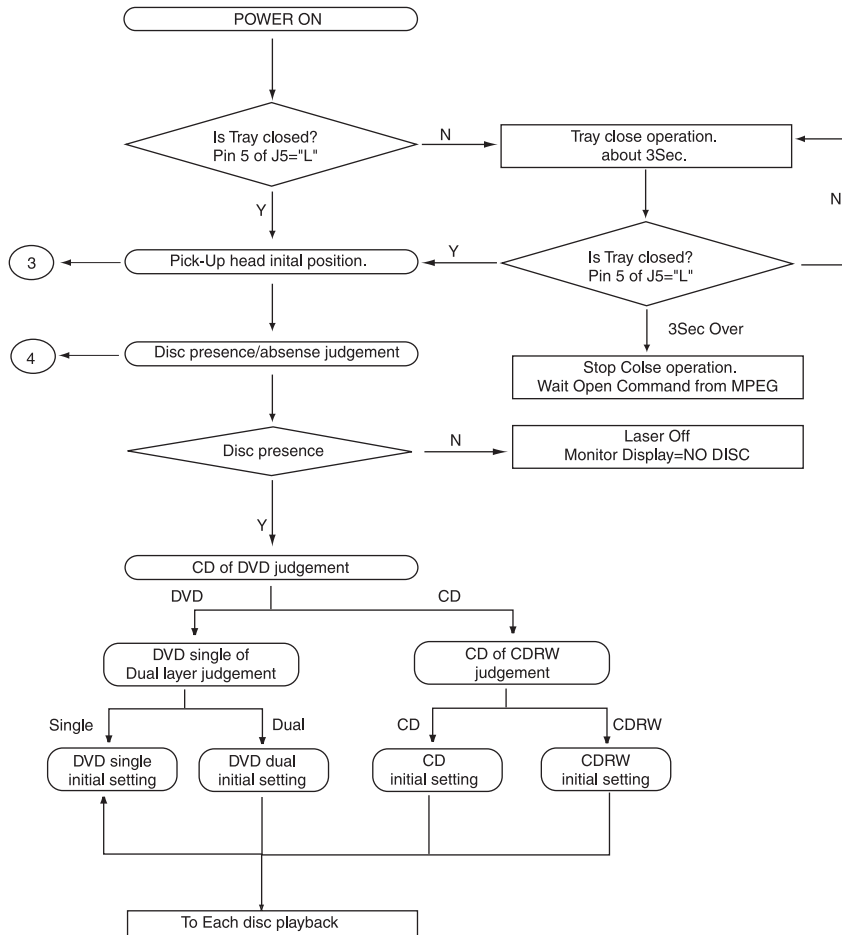


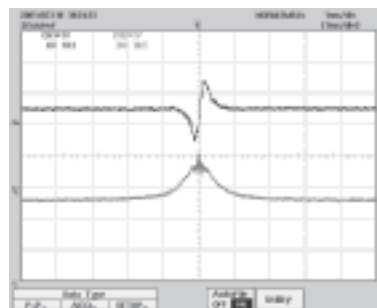
Fig.4

### 9-3 Loader(DVD) parts

#### 1. Initial operation after power ON

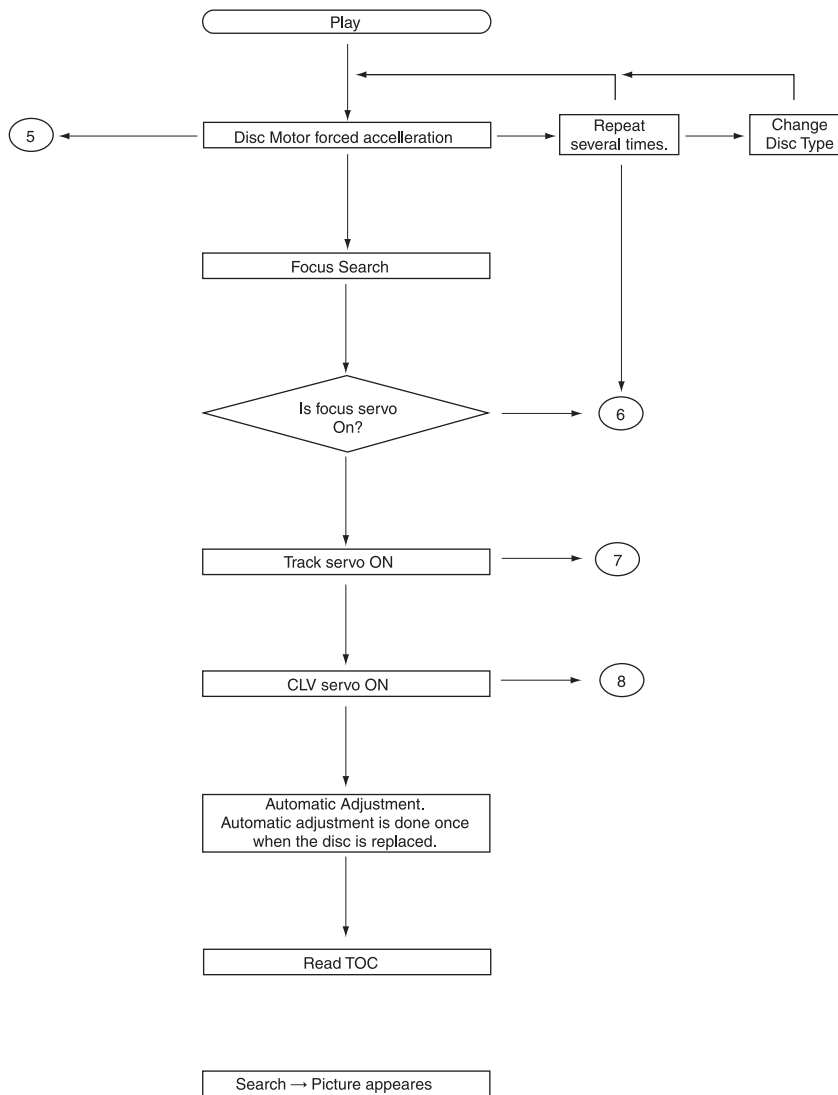


(DVD Dual)



(DVD Single)

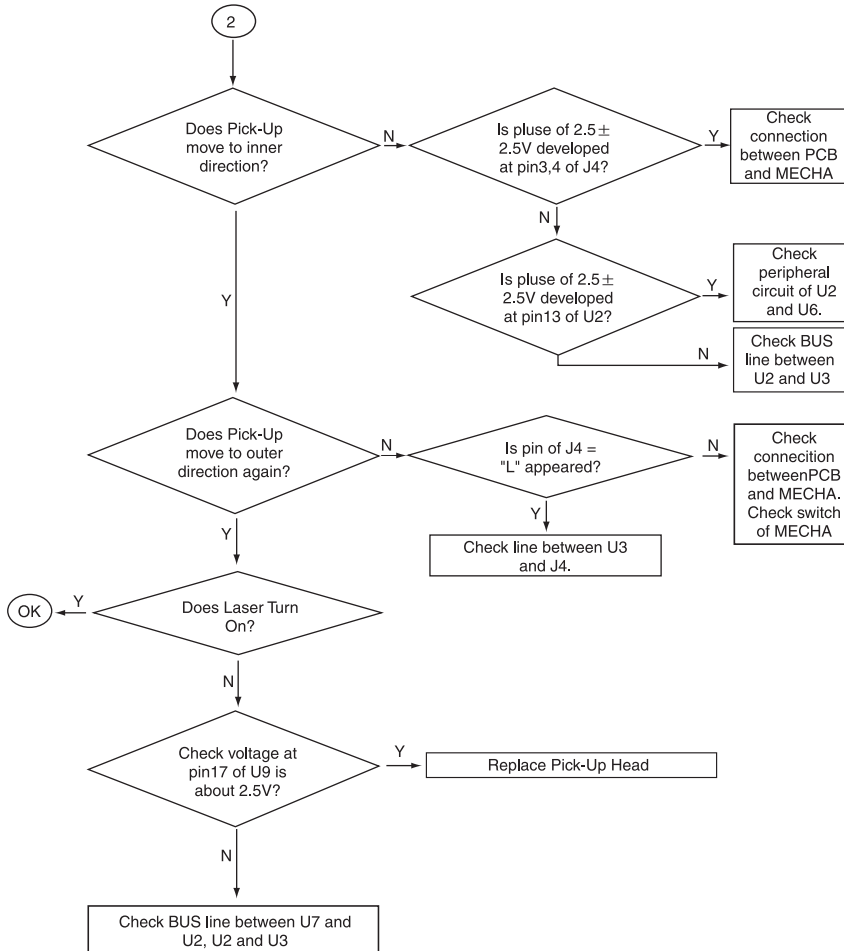
## 2. Play Operation



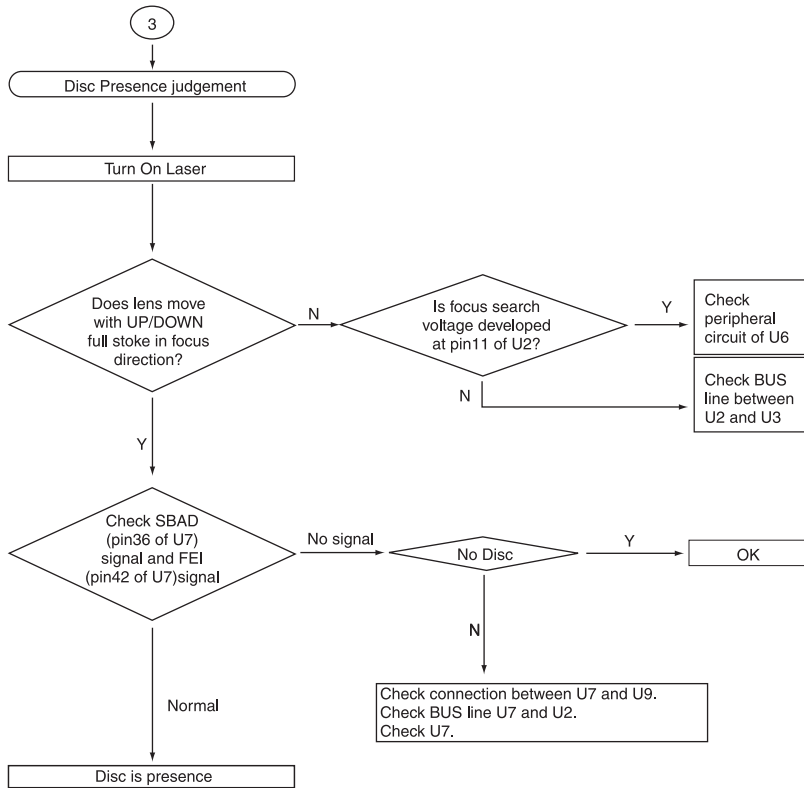
### 3. Pick-Up Head Initial Position

#### Pick-Up Head Initial Position

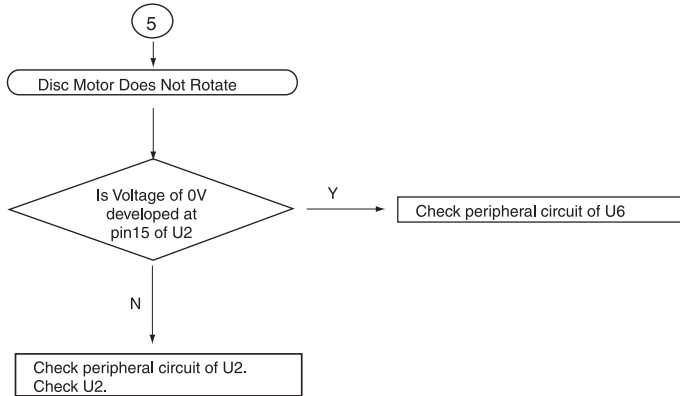
1. Move Pick-Up Head to inner direction until pin5 of J4 = "L"
2. If pin5 of J4 = "L", then move Pick-Up Head to outer direction for a short time.
3. Turn On the Laser of Pick-Up Head to judge that disc is presence or not.



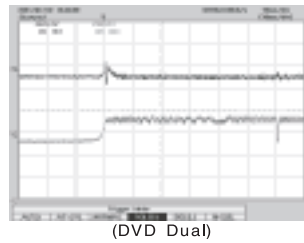
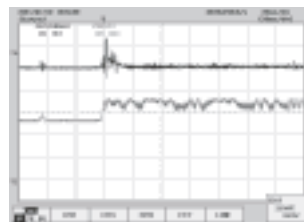
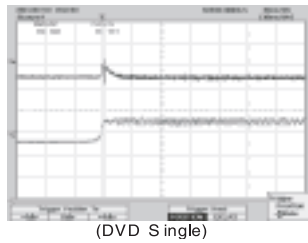
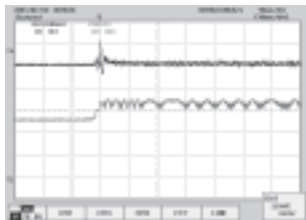
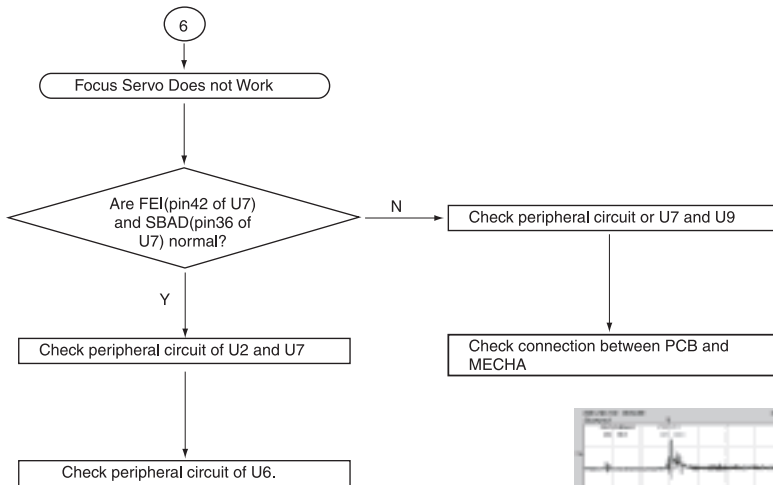
4. Disc Presence/Absence Judgment.



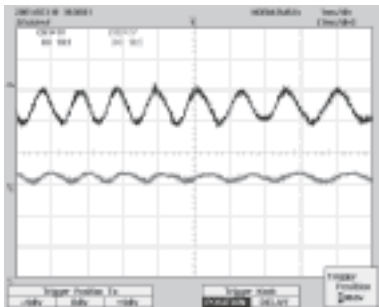
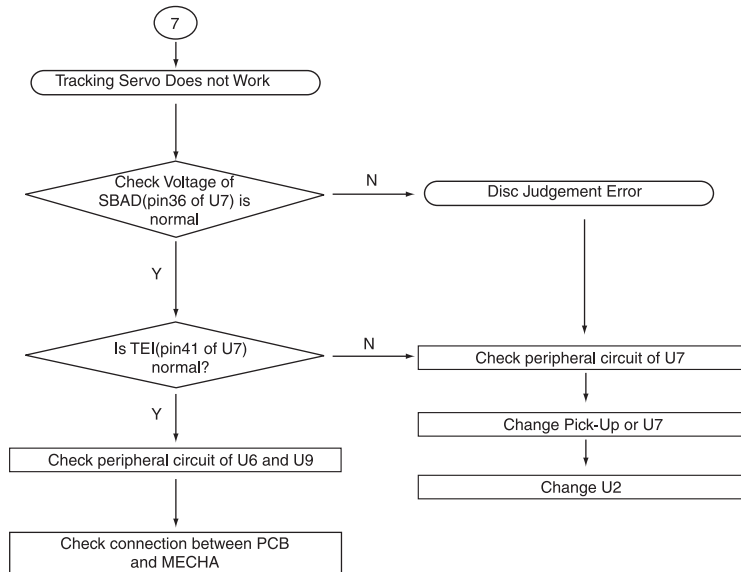
5. Disc Motor Does Not Rotate.



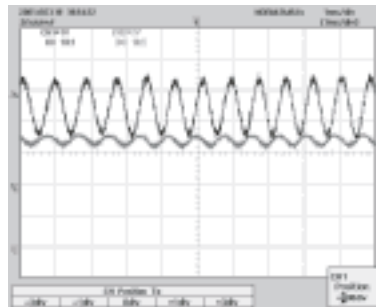
6. Focus Servo does not Work.



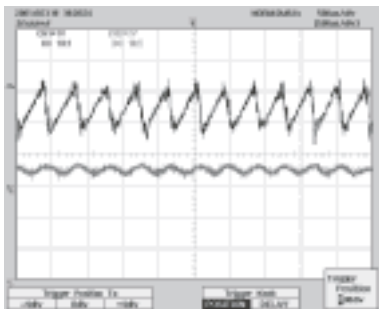
## 7. Tracking Servo Does Not Work



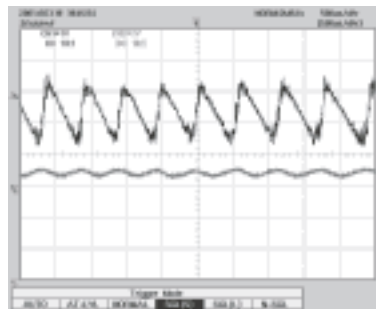
(C D)



(C D-RW)

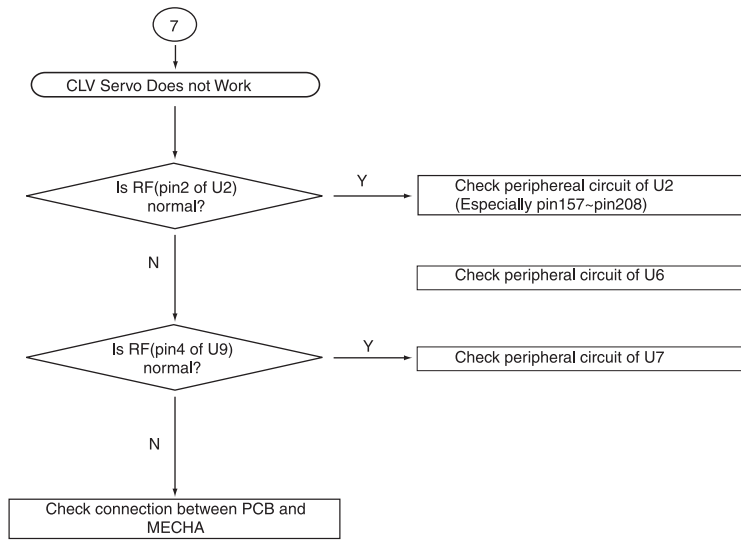


(DVD S ingle)



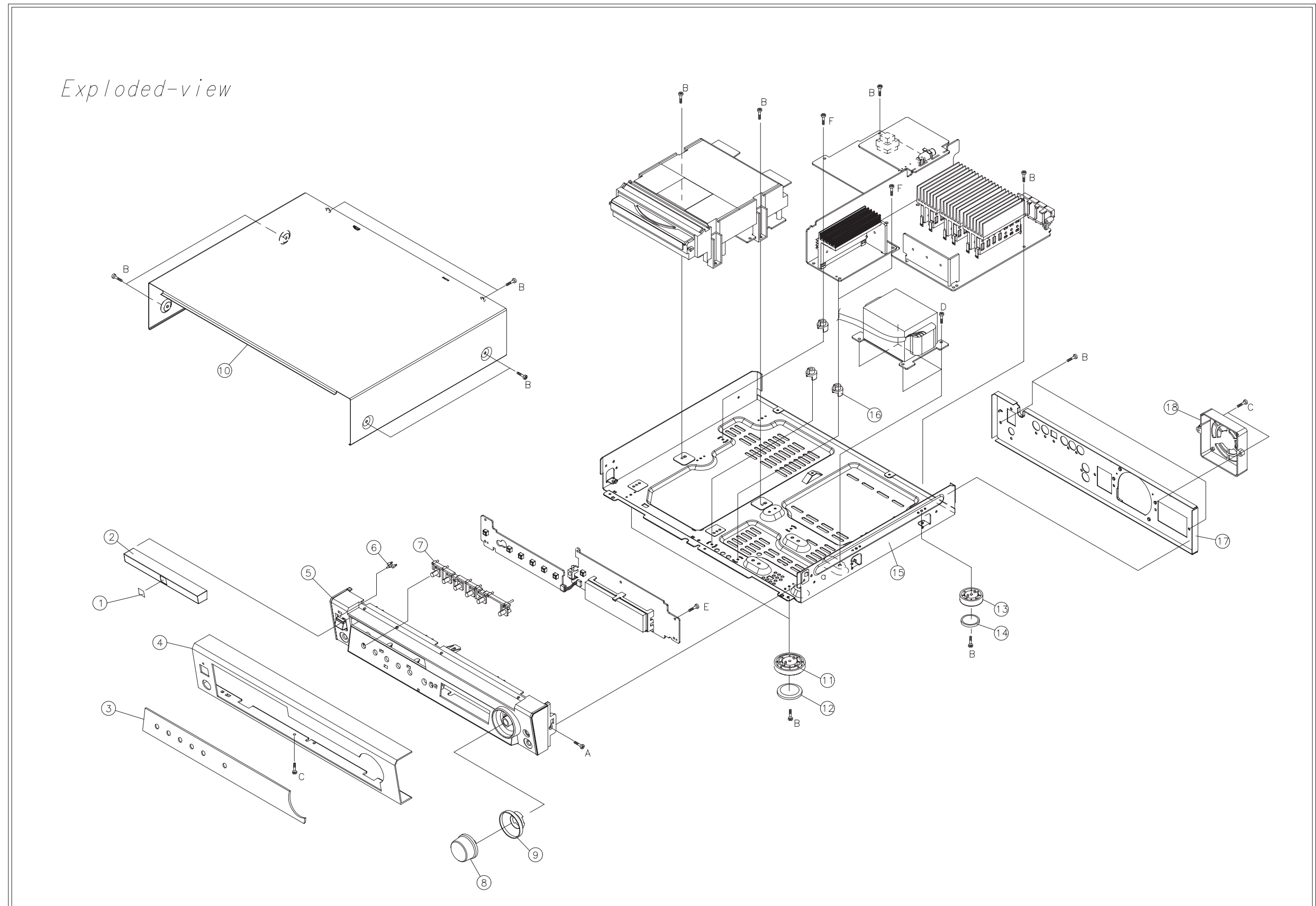
(DVD Dual)

## 8. CLV Servo Does Not Work



## 2.Exploded Views and Parts List

### 2-1 Total Exploded View and Parts List



## 3. Electrical Parts List

Location no.	Code no.	Description & Specification	Remarks	Location no.	Code no.	Description & Specification	Remarks
<b>**** HT-DL100 Parts List ****</b>							
FRING	3301-001525	CORE-FERRITE;AC,3.5#21#12MM,1500,2800		R26	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DS-F	3809-001185	CABLE-FLAT;30V,80C,120MM,16P,1.25MM,UL28		R120	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
T-M	3809-001224	CABLE-FLAT;30V,80C,80mm,13P,1.25mm,UL289		R145	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
DP-M	3809-001283	CABLE-FLAT;30V,80C,50MM,7P,1.25MM,UL2896		R147	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	
PIT	AH26-00142C	TRANS POWER,-;HT-DL100,-,0.276V/230V##2		R19	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
FAN	AH31-00029A	MOTOR FAN;C161NK10B0110,RDM015S,0.15A,-		R33	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
	AH38-10001A	FM-WIRE;1007#22,1500MM		R4	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
	AH39-00257F	POWER CORD;MAX810,-,CP2,250V,2.5A,1650mm		R50	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
	AH39-40001U	CABLE-AUDIO CABLE;2P2000,-,2P-2P,-,-		R118	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
	AH39-40001V	CABLE-AUDIO CABLE,-,-1P-1P,3000MM,-,-,-		R119	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
TUNER	AH40-00017A	TUNER-PACK ASSY;KST-MV114MA1-0,FM/MW/LW/		R135	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
	AH42-20001P	LOOP-ANT;TT,1000MM,18.5UH		R137	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
	AH59-00132B	REMOCON-ASSY;HT-DL100,SAMSUNG,-,62KEY,		R68	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
	<b>AH59-00138A DECK-MECHA ASSY,-,CMS-D100,-,-,-,-,-,-</b>			R69	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
	3809-001273	CABLE-FLAT;30V,80C,80MM,40P,1MM,UL2896		R70	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
	3809-001274	CABLE-FLAT;30V,80C,75MM,24P,1MM,UL2896		R71	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
	AH31-00030A	MOTOR DC,-,RF-300CH,86MA,-,-,1-6V,14107		R71	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
	AH59-00130A	DECK,-,CMS-D100,-,-,-,-,-, CMS-S21MG		R67	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
	AH30-00018A	PICK UP;SOH-D21,-,-,-,-,-, CMS-21MG6		R66	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
	<b>AH92-01102A ASSY DECK PCB;HT-DL100,-</b>			R65	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
ZD1	0403-000357	DIODE-ZENER;UZ5.6BM,5.6V,5.4-5.8V,500mW		R64	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
U3	0903-001246	IC-MICROCONTROLLER;M6759,-,PLCC,44P,257M		R72	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
U10	1003-001418	IC-MOTOR DRIVER;FAN8082,DIP8P,-,-,1MA,S		R80	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
X1	2801-000261	CRYSTAL-UNIT;33.8688MHZ,50PPM,28-AAA,12P		R79	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
U9	3708-001574	CONNECTOR-FPC/FPC;PIC,24P,1mm,ANGLE,SN		R78	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
J5	3711-001018	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,		R77	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
J2	3711-003111	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGHT		R76	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
D4	AH39-00368A	LEAD CONNECTOR ASSY;6P,50MM,#1007,-,6P,		R75	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
J1	0407-000114	DIODE-ARRAY;DAN202K,80V,100MA,CA2-3,SOT-		R74	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
D3	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-		R73	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
Q3	0501-000632	TR-SMALL SIGNAL;2SB1197K,P,NP,200MW,SOT-2		R63	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
Q4	0501-000632	TR-SMALL SIGNAL;2SB1197K,P,NP,200MW,SOT-2		R25	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
Q2	0504-000128	TR-DIGITAL,-,NPN,200MW,22K/22K,SOT-23,TP		R152	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
U6	1003-001305	IC-MOTOR DRIVER;BA5983FM,HSOP,28P,300MIL		R151	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
U1	1105-001372	DRAM;IC;MHB416256A-35J		R143	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
U7	1201-001790	IC-RF AMP;SP3721A,TQFP,64P,10MIL,SINGLE,		R129	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
U5	1203-001293	IC-POSI FIXED REG,-,033,TO-252,3P,6.5MIL,		R127	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
U4	1203-001369	IC-VOL DETECTOR;XC61CN1902MR,SOT-23,3P,		R125	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
U2	1204-001871	IC-DECODER;M5701,POFP,208P,28MIL,PLASTIC		R122	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R173	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608		R122	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R31	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608		R62	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R53	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608		R61	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R54	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608		R59	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R148	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608		R58	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R115	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608		R48	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R124	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608		R5	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R131	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608		R56	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R142	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608		R57	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R111	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608		R60	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R107	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608		R22	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R105	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608		R22	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R103	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608		R128	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R92	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R126	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R91	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R123	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R90	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R121	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R89	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R116	2007-000094	R-CHIP;22Kohm,5%,1/16W,DA,TP,1608	
R93	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R30	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R94	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R20	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
R95	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R18	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R96	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R17	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R97	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R161	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R24	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R160	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R46	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R159	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
R82	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R52	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
R83	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R149	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
R84	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R34	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R88	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R29	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R87	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R23	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R86	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R16	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R85	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608		R15	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R166	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608		R35	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R117	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608		R99	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R162	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608		R98	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R45	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608		R39	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R47	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608		R38	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R7	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608		R36	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R171	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608		R106	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R153	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608		R104	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R168	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608		R102	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R170	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608		R100	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R32	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608		R108	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R27	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608		R14	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
				R13	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
				R12	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
				R110	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
				R109	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
				R6	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
				R3	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
				R11	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	

OPTION



Location no.	Code no.	Description & Specification	Remarks
DR87	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR88	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR84	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR37	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR191	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR190	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
RR18	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
RR17	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
MR157	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
MR150	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
MR149	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR91	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR90	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR89	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR114	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR113	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR112	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR111	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR110	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR109	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR108	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR107	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR126A	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR121	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR120	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR119	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR115	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR116	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR117	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
DR118	2007-000090	R-CHIP:10KOHM,5%,1/16W,DA,TP,1608	
MR154	2007-000091	R-CHIP:12Kohm,5%,1/16W,DA,TP,1608	
DR39	2007-000093	R-CHIP:20Kohm,5%,1/16W,DA,TP,1608	
DR80	2007-000094	R-CHIP:22Kohm,5%,1/16W,DA,TP,1608	
MR151	2007-000097	R-CHIP:47Kohm,5%,1/16W,DA,TP,1608	
DR60	2007-000097	R-CHIP:47Kohm,5%,1/16W,DA,TP,1608	
DR46	2007-000097	R-CHIP:47Kohm,5%,1/16W,DA,TP,1608	
RR28	2007-000098	R-CHIP:56Kohm,5%,1/16W,DA,TP,1608	
MR175	2007-000102	R-CHIP:100Kohm,5%,1/16W,DA,TP,1608	
MR174	2007-000102	R-CHIP:100Kohm,5%,1/16W,DA,TP,1608	
MR173	2007-000102	R-CHIP:100Kohm,5%,1/16W,DA,TP,1608	
RR31	2007-000107	R-CHIP:470Kohm,5%,1/16W,DA,TP,1608	
DR92	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR54	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR53	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR52	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR47	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR93	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
MR153	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR97	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR96	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR95	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR94	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
CPUR9	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
CPUR18	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
CPUR17	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
CPUR13	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
CPUR11	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR101	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR36	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR34	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR33	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR32	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
DR103	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608	
RR21	2007-000119	R-CHIP:560ohm,5%,1/16W,DA,TP,1608	
RR16	2007-000122	R-CHIP:1.2Kohm,5%,1/16W,DA,TP,1608	
RR13	2007-000122	R-CHIP:1.2Kohm,5%,1/16W,DA,TP,1608	
DR31	2007-000122	R-CHIP:1.2Kohm,5%,1/16W,DA,TP,1608	
DR139	2007-000124	R-CHIP:2.2Kohm,5%,1/16W,DA,TP,1608	
DR138	2007-000124	R-CHIP:2.2Kohm,5%,1/16W,DA,TP,1608	
MR155	2007-000125	R-CHIP:3.9Kohm,5%,1/16W,DA,TP,1608	
MR148	2007-000134	R-CHIP:33Kohm,5%,1/16W,DA,TP,1608	
MR152	2007-000134	R-CHIP:33Kohm,5%,1/16W,DA,TP,1608	
DR146	2007-000308	R-CHIP:10OHM,5%,1/10W,DA,TP,2012	
RR2	2007-000309	R-CHIP:10ohm,5%,1/16W,DA,TP,1608	
RR1	2007-000309	R-CHIP:10ohm,5%,1/16W,DA,TP,1608	
DR57	2007-000309	R-CHIP:10ohm,5%,1/16W,DA,TP,1608	
CPUR16	2007-000309	R-CHIP:10ohm,5%,1/16W,DA,TP,1608	
MR168	2007-000483	R-CHIP:10HM,5%,1/10W,DA,TP,2012	
MR167	2007-000483	R-CHIP:10HM,5%,1/10W,DA,TP,2012	
MR165	2007-000483	R-CHIP:10HM,5%,1/10W,DA,TP,2012	
MR164	2007-000483	R-CHIP:10HM,5%,1/10W,DA,TP,2012	
DR51	2007-000962	R-CHIP:5.1Kohm,1%,1/16W,DA,TP,1608	
DR35	2007-000962	R-CHIP:5.1Kohm,1%,1/16W,DA,TP,1608	
DR40	2007-001010	R-CHIP:51Kohm,5%,1/16W,DA,TP,1608	
RR6	2007-001179	R-CHIP:8.2Kohm,5%,1/16W,DA,TP,1608	
RR25	2007-001179	R-CHIP:8.2Kohm,5%,1/16W,DA,TP,1608	
DR30	2007-001243	R-CHIP:91KOHM,5%,1/10W,DA,TP,2012	
DR28	2007-001243	R-CHIP:91KOHM,5%,1/10W,DA,TP,2012	
MC87	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC1	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC12	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC2	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC21	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	

Location no.	Code no.	Description & Specification	Remarks
DC86	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC87	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC88	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC91	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
MC81	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC26	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC32	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC33	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC34	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC4	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC7	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC27	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC28	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC29	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC3	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC31	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC85	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC48	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC49	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC52	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC72	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC73	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC32	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC35	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC36	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC38	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC39	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC74	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC80	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC81	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC82	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC83	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC84	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC75	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC76	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC77	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC78	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
DC79	2203-000178	C-CERAMIC,CHIP:100NF,+80-20%,25V,Y5V,TP	
RC19	2203-000236	C-CERAMIC,CHIP:100PF,5%,50V,NPO,1608	
DC89	2203-000257	C-CERAMIC,CHIP:10NF,10%,50V,X7R,TP,1608	
DC90	2203-000257	C-CERAMIC,CHIP:10NF,10%,50V,X7R,TP,1608	
DC69	2203-000280	C-CERAMIC,CHIP:10PF,0.5PF,50V,NPO,TP	
DC70	2203-000280	C-CERAMIC,CHIP:10PF,0.5PF,50V,NPO,TP	
DC71	2203-000280	C-CERAMIC,CHIP:10PF,0.5PF,50V,NPO,TP	
DC66	2203-000280	C-CERAMIC,CHIP:10PF,0.5PF,50V,NPO,TP	
DC67	2203-000280	C-CERAMIC,CHIP:10PF,0.5PF,50V,NPO,TP	
DC68	2203-000280	C-CERAMIC,CHIP:10PF,0.5PF,50V,NPO,TP	
RC8	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-	
RC6	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-	
RC20	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-	
DC51	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-	
DC40	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-	
DC45	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-	
MC82	2203-000592	C-CERAMIC,CHIP:0.22nF,5%,50V,NPO,TP,1608	
MC84	2203-000888	C-CERAMIC,CHIP:4.7nF,10%,16V,X7R,TP,1608	
DC33	2203-000972	C-CERAMIC,CHIP:47nF,10%,16V,X7R,TP,1608	
DC42	2203-000972	C-CERAMIC,CHIP:47nF,10%,16V,X7R,TP,1608	
RC16	2203-000972	C-CERAMIC,CHIP:47nF,10%,16V,X7R,TP,1608	
DC37	2203-000998	C-CERAMIC,CHIP:0.047nF,5%,50V,NPO,TP,160	
CPUP7	2203-000998	C-CERAMIC,CHIP:0.047nF,5%,50V,NPO,TP,160	
DC34	2203-001052	C-CERAMIC,CHIP:56nF,10%,50V,X7R,TP,1608	
DC42	2203-001103	C-CERAMIC,CHIP:6.8nF,10%,50V,X7R,TP,1608	
RC9	2203-001126	C-CERAMIC,CHIP:680PF,10%,50V,X7R,TP,1608	
RC18	2203-001126	C-CERAMIC,CHIP:680PF,10%,50V,X7R,TP,1608	
RC17	2203-001126	C-CERAMIC,CHIP:680PF,10%,50V,X7R,TP,1608	
RC15	2203-001126	C-CERAMIC,CHIP:680PF,10%,50V,X7R,TP,1608	
RC14	2203-001126	C-CERAMIC,CHIP:680PF,10%,50V,X7R,TP,1608	
MC83	2203-001408	C-CERAMIC,CHIP:0.27nF,5%,50V,NPO,TP,1608	
DC56	2203-001573	C-CERAMIC,CHIP:0.012nF,5%,50V,NPO,TP,160	
DC54	2203-001573	C-CERAMIC,CHIP:0.012nF,5%,50V,NPO,TP,160	
RC35	2203-001636	C-CERAMIC,CHIP:0.033nF,5%,50V,NPO,TP,160	
RC13	2203-001636	C-CERAMIC,CHIP:0.033nF,5%,50V,NPO,TP,160	
RC11	2203-001636	C-CERAMIC,CHIP:0.033nF,5%,50V,NPO,TP,160	
RC10	2203-001636	C-CERAMIC,CHIP:0.033nF,5%,50V,NPO,TP,160	
DC46	2203-001656	C-CERAMIC,CHIP:0.47nF,5%,50V,NPO,TP,1608	
DC45	2203-001656	C-CERAMIC,CHIP:0.47nF,5%,50V,NPO,TP,1608	
DC43	2203-002494	C-CERAMIC,CHIP:470nF,10%,16V,X7R,TP,2012	
RC36	2203-002494	C-CERAMIC,CHIP:470nF,10%,16V,X7R,TP,2012	
DC62	2203-005261	C-CERAMIC,CHIP:1000nF,10%,25V,X7R,TP,321	
DTC6	2401-000243	C-AL:100uF,20%,10V,GP,5,2.5MM,TP	
RTC1	2401-000778	C-AL:220uF,20%,10V,GP,-6.3x11.2,5m	
DTC9	2401-000778	C-AL:220uF,20%,10V,GP,-6.3x11.2,5m	
DTC10	2401-000778	C-AL:220uF,20%,10V,GP,-6.3x11.2,5m	
RTC2	2401-001895	C-AL:100uF,20%,16V,GP,TP,6.3x11.2,5	
RTC3	2401-001895	C-AL:100uF,20%,16V,GP,TP,6.3x11.2,5	
RTC4	2401-001895	C-AL:100uF,20%,16V,GP,TP,6.3x11.2,5	
RTC5	2401-001895	C-AL:100uF,20%,16V,GP,TP,6.3x11.2,5	
CPUTC1	2401-001895	C-AL:100uF,20%,16V,GP,TP,6.3x11.2,5	
DTC11	2401-001895	C-AL:100uF,20%,16V,GP,TP,6.3x11.2,5	
DTC12	2401-001895	C-AL:100uF,20%,16V,GP,TP,6.3x11.2,5	
DTC13	2401-001895	C-AL:100uF,20%,16V,GP,TP,6.3x11.2,5	
MCE1	2401-001975	C-AL:47uF,20%,16V,GP,5*11,5mm,TP	
DTC7	2401-001975	C-AL:47uF,20%,16V,GP,5*11,5mm,TP	

Location no.	Code no.	Description & Specification	Remarks
RL2	2703-00001	INDUCTOR-SMD;10uH,10%,2.5x3.2x2mm	
RL1	2703-00001	INDUCTOR-SMD;10uH,10%,2.5x3.2x2mm	
DL7	3301-001495	CORE-FERRITE BEAD,AB,120OHM,2.0X1.2X0.9M	
DL6	3301-001495	CORE-FERRITE BEAD,AB,120OHM,2.0X1.2X0.9M	
DL5	3301-001495	CORE-FERRITE BEAD,AB,120OHM,2.0X1.2X0.9M	
DL4	3301-001495	CORE-FERRITE BEAD,AB,120OHM,2.0X1.2X0.9M	
DJ3	3708-001645	CONNECTOR-FPC/FPC/PIC;40P;1MM,SMD-S-ZIF	
	<b>AH92-01105A ASSY PCB;HT-DL100-</b>		<b>COMMON</b>
X1	2801-004132	CRYSTAL-UNIT;13.5MHZ,10PPM,ATS-49,U,24PF	
	AH89-20056A	CUSHION-ROULETTE;HYMERON,-,-,BLK,CMS-C	
Q8	0501-000314	TR-SMALL SIGNAL,KS8A12,PNP,150mW,SOT-23	
Q7	0501-000314	TR-SMALL SIGNAL,KS8A12,PNP,150mW,SOT-23	
Q6	0501-000314	TR-SMALL SIGNAL,KS8A12,PNP,150mW,SOT-23	
Q5	0501-000314	TR-SMALL SIGNAL,KS8A12,PNP,150mW,SOT-23	
Q4	0501-000314	TR-SMALL SIGNAL,KS8A12,PNP,150mW,SOT-23	
Q3	0501-000314	TR-SMALL SIGNAL,KS8A12,PNP,150mW,SOT-23	
U15	0801-002683	IC-CMOS LOGIC;74HCT245,TRANSCEIVER,TSSOP	
U10	0802-001109	IC-BICMOS LOGIC;74LV1573,D FLIP-FLOP,TSS	
U11	0802-001109	IC-BICMOS LOGIC;74LV1573,D FLIP-FLOP,TSS	
U12	0802-001109	IC-BICMOS LOGIC;74LV1573,D FLIP-FLOP,TSS	
U5	1105-001376	IC-DRAM;W986432DH-7,4X512KX32BIT,TSOP1	
U6	1107-001318	IC-FLASH MEMORY;SST39VF800A-70-4C-EK,8MX	
U9	1203-002369	IC-POS/ADJUST REG.;AMS317,TO-252,3P,240	
U8	1204-001863	IC-DECODER;69063A2-001(2V),5M, PQFP,208	
VUL1	2007-000029	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
VR14	2007-000070	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
VR17	2007-000070	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
VR3	2007-000070	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
VR6	2007-000070	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
VR8	2007-000070	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
VR11	2007-000070	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
R10	2007-000070	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
R114	2007-000070	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
R34	2007-000070	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
R5V	2007-000070	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
R9	2007-000070	R-CHIP;00ohm,5%,1/16W,DA,TP,1608	
DR6	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR7	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR8	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR9	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR5	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR1	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR2	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR3	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
DR4	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
R61	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
R39	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
R31	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R32	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R53	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R56	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R98	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R108	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R109	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R110	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R111	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R112	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
R107	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
R82	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R81	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R80	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R8	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R79	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R83	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R90	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R88	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R86	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R85	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R84	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R78	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R63	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R6	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R59	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R58	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R57	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R64	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R75	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R73	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R71	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R68	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
R66	2007-000113	R-CHIP;33ohm,5%,1/16W,DA,TP,1608	
VR9	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
VR4	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
VR2	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
VR12	2007-000115	R-CHIP;82ohm,5%,1/16W,DA,TP,1608	
R60	2007-000116	R-CHIP;120ohm,5%,1/16W,DA,TP,1608	
R55	2007-000122	R-CHIP;1.2Kohm,5%,1/16W,DA,TP,1608	
VR7	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR5	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR16	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR13	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR10	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	
VR1	2007-000402	R-CHIP;150ohm,5%,1/16W,DA,TP,1608	

Location no.	Code no.	Description & Specification	Remarks
VR15	2007-001042	R-CHIP;56ohm,1%,1/16W,DA,TP,1608	
C102	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
C96	2203-000384	C-CERAMIC,CHIP;.015nF,5%,50V,NPO,TP,1608	
C97	2203-000552	C-CERAMIC,CHIP;0.02nF,5%,50V,NPO,TP,1608	
C75	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C76	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C77	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C79	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C71	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C70	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C67	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C66	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C64	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C80	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
VC10	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
DC1	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C99	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C98	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C90	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C89	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C88	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C87	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C86	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C32	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C31	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C29	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C107	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C106	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C105	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C104	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C103	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C101	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C36	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C62	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C61	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C59	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C55	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C54	2203-005005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C51	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C50	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C46	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C37	2203-006005	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C84	2402-000176	C-AL,SMD;10uF,20%,16V,GP,TP,4.3x4.3x5.4	
C82	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C68	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C48	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C38	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C33	2402-000179	C-AL,SMD;47uF,20%,16V,GP,TP,6.6x6.6x5.4	
C85	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6.6x6.6x6.6	
C73	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6.6x6.6x6.6	
C69	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6.6x6.6x6.6	
C30	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6.6x6.6x6.6	
C28	2402-001059	C-AL,SMD;220uF,20%,6.3V,GP,TP,6.6x6.6x6.6	
PL3	3301-000325	CORE-FERRITE BEAD,AB,3.2x2x1.3mm,-,-	
L54	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L53	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L52	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L49	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
OL1	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
OL2	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
PL1	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
VL1	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L48	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L30	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L32	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L40	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L41	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L47	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L44	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L43	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L42	3301-000353	CORE FERRITE BEAD,BLM21A121SP,AB,2.0*1.2	
L50	3301-001495	CORE-FERRITE BEAD,AB,120OHM,2.0X1.2X0.9M	
L55	3301-001495	CORE-FERRITE BEAD,AB,120OHM,2.0X1.2X0.9M	
L56	3301-001495	CORE-FERRITE BEAD,AB,120OHM,2.0X1.2X0.9M	
L1	3301-001495	CORE-FERRITE BEAD,AB,120OHM,2.0X1.2X0.9M	
L38	3301-001495	CORE-FERRITE BEAD,AB,120OHM,2.0X1.2X0.9M	
L39	3301-001495	CORE-FERRITE BEAD,AB,120OHM,2.0X1.2X0.9M	
J14	3708-001615	CONNECTOR-FPC/FPC/PIC;40P;1MM,SMD-S,SN	
J6	3708-001645	CONNECTOR-FPC/FPC/PIC;40P;1.0MM,SMD-S-ZIF	
J21	3708-001646	CONNECTOR-FPC/FPC/PIC;10P;1.0MM,SMD-S-LIF	
	AH97-00822A	ASSY DVD DECK,-,-,HT-DL100	
	AH59-001019A	SPEAKER SYSTEM,PSDL100E,-,-,-,-,-,ELS,	
	AH81-00479A	A/S PART-SPEAKER SYSTEM,PS DL100E,-,-,SPEA	
	<b>AH92-01120A ASSY PCB;HT-DL100,JACK PCB EURO</b>		

Location no.	Code no.	Description & Specification	Remarks
SW1	AH34-00015A	SWITCH SLIDE;KSA-2272AB,SLIDE,-,-,50V,0.	
	AH37-00005A	RCA-JACK;S-440B YELLOW/WITH SHIELD PLAT	
JVQ3	0601-000637	TR-SMALL SIGNAL;25C1740S,NPN,300mW,SPT,T	
JVQ1	0604-000118	TR-DIGITAL;KSR1003,NPN,300mW,22K/22K,TO-	
JVQ2	0604-000118	TR-DIGITAL;KSR1003,NPN,300mW,22K/22K,TO-	
JVR14	2001-000221	R-CARBON;1.2Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR15	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR8	2001-000241	R-CARBON;1.5Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR23	2001-000273	R-CARBON;100Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR11	2001-000280	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR7	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR9	2001-000429	R-CARBON;1Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR12	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR4	2001-000515	R-CARBON;220ohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR3	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR24	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR22	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR21	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR20	2001-000645	R-CARBON;330Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR1	2001-000734	R-CARBON;4.7Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR13	2001-000780	R-CARBON;470ohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR2	2001-000857	R-CARBON;560ohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR16	2001-000869	R-CARBON;56ohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR19	2001-000869	R-CARBON;56ohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR6	2001-000938	R-CARBON;68ohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR17	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVR18	2001-000969	R-CARBON;75ohm,5%,1/8W,AA,TP,1.8x3.2mm	
JVC4	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
JVC11	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
JVC10	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
JVC9	2401-001102	C-AL;330uF,20%,16V,GP#11.5,5MM,TP	
JVC8	2401-001102	C-AL;330uF,20%,16V,GP#11.5,5MM,TP	
JVC7	2401-001102	C-AL;330uF,20%,16V,GP#11.5,5MM,TP	
JVC2	2401-001102	C-AL;330uF,20%,16V,GP#11.5,5MM,TP	
JVC6	2401-001954	C-AL;4.7uF,20%,50V,GP#5*11.5MM,TP	
JVC5	2401-001954	C-AL;4.7uF,20%,50V,GP#5*11.5MM,TP	
JVC12	2401-001954	C-AL;4.7uF,20%,50V,GP#5*11.5MM,TP	
JVC1	2401-001954	C-AL;4.7uF,20%,50V,GP#5*11.5MM,TP	
JVC3	2401-001975	C-AL;47uF,20%,16V,GP#5*11.5mm,TP	
JVR10	3811-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400,	
JW4	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	
JW3	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	
JW2	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	
JW1	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	

#### AH92-01181A ASSY PCB;HT-DL100,FRONT1 SAMSUNG

ULD3	0601-001238	LED;LTL-1CHESS-UA,RED,650NM,2.5MM	
ULD2	0601-001432	LED;SLP340BL10F,470NM,3MM	
ULD1	0601-001432	LED;SLP340BL10F,470NM,3MM	
UIC10	1003-001403	IC-VFD;LC75725E,QFP,64P,677MIL,-,30MA	
UVR	3406-001047	SWITCH-ROTARY;RE012104PV825FINB1-2-24E	
FW1	3708-000451	CONNECTOR-FPC/FC/PIC;1.6P,1.25mm,STRAIGHT	
FW2	3711-000906	CONNECTOR-HEADER;BOX,3P,1R,2mm,ANGLE,SN	
UEYE	AC59-00060A	MODULE-REMOCON;GPIU281R,SHARP,38KHZ,-,	
VFD	AH07-00056A	VF DISPLAY;HNV-11SS34T,HT-DL,100/200,100X	
FW3	AH39-00176A	LEAD-CONNECTOR,ASSY;-,-,-,1061#26,-,-	
UWIRE	AH39-00001K	LEAD-FASTEN;RING,1007#2,140MM,BLK	
VFD	AH61-00775A	HOLDER-VFD;HT-DL100,ABS,BLK,-,-,-	
UD4	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD3	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
UD5	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	
UD2	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	
UD10	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	
UD1	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	
UZD2	0403-000361	DIODE-ZENER;UZ6.2BSB,6.2V,5.99-6.24V,50	
UZD1	0403-000367	DIODE-ZENER;UZ7.5BSC,7.5V,7.33-7.64	
UQ3	0604-000118	TR-DIGITAL;KSR1003,NPN,300mW,22K/22K,TO-	
UQ2	0604-001003	TR-DIGITAL;KSR2003TA,300mW,22K-22Kohm	
UQ1	0604-001003	TR-DIGITAL;KSR2003TA,300mW,22K-22Kohm	
UR43	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR32	2001-000023	R-CARBON;47ohm,5%,1/4W,AA,TP,2.4x6.4mm	
UR31	2001-000023	R-CARBON;47ohm,5%,1/4W,AA,TP,2.4x6.4mm	
UR42	2001-000062	R-CARBON;470ohm,5%,1/4W,AA,TP,2.4x6.4mm	
UR69	2001-000258	R-CARBON;1.8Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR38	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR37	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR36	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR35	2001-000281	R-CARBON;100ohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR40	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR81	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR80	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR39	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR34	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR33	2001-000290	R-CARBON;10Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR73	2001-000331	R-CARBON;12Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR70	2001-000449	R-CARBON;2.2Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR71	2001-000591	R-CARBON;3.3Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR74	2001-000660	R-CARBON;33Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR72	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UR41	2001-000802	R-CARBON;5.6Kohm,5%,1/8W,AA,TP,1.8x3.2mm	
UC9	2201-000389	C-CERAMIC,DISC;0.022nF,5%,50V,NP0,TP,5x3	
UC5	2201-000565	C-CERAMIC,DISC;47nF,+80%-20% 50V Y5V 12	
UC4	2201-000565	C-CERAMIC,DISC;47nF,+80%-20% 50V Y5V 12	

Location no.	Code no.	Description & Specification	Remarks
UC2	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
UC1	2201-000783	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,	
UC7	2202-000780	C-CERAMIC,MLC-AXIAL;100nF,+80-20%,50V,Y5	
UC80	2202-000797	C-CERAMIC,MLC-AXIAL;10nF,30%,16V,Y5S,TP,	
UC81	2202-000797	C-CERAMIC,MLC-AXIAL;10nF,30%,16V,Y5S,TP,	
UC3	2401-000475	C-AL;10uF,20%,50V,GP#5*11.5mm,TP	
UC6	2401-001912	C-AL;1uF,20%,50V,GP#5*11.5mm,TP	
SW7	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW6	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW5	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW4	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW1	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW2	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW3	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	

#### AH92-01185A ASSY PCB;HT-DL100/TH-A5,DSP1 W/T D-IN

FIC1	1203-000276	IC-POSIFIXED REG.;KA7805-AB,TO-220,3P,-	
DW31-2PIN	2401-000407	C-AL;10uF,20%,16V,GP,3.5*5.2,5MM,TP	
UX2	2802-001157	RESONATOR-CERAMIC;6MHZ,-,BK,8X5.5X3MM	
DX11	2804-001446	OSCILLATOR-CLOCK;12.288MHZ,25PPM,TTL,ST,	
DW20	3708-000178	CONNECTOR-FPC/FC/PIC;1.6P,1.25mm,ANGLE,SN	
DW22	3708-001094	CONNECTOR-FPC/FC/PIC;1.6P,1.25mm,STRAIGHT	
DW11	3708-001464	CONNECTOR-FPC/FC/PIC;2.4P,1mm,STRAIGHT,SN	
DW15	3710-001421	CONNECTOR-SOCKET;14P,1R,2mm,ANGLE,SN	
DW23	3710-001422	CONNECTOR-SOCKET;12P,1R,2mm,ANGLE,SN	
DW14	3710-001422	CONNECTOR-SOCKET;12P,1R,2mm,ANGLE,SN	
DW13	3710-001422	CONNECTOR-SOCKET;12P,1R,2mm,ANGLE,SN	
DW10	3710-001422	CONNECTOR-SOCKET;12P,1R,2mm,ANGLE,SN	
DW32	3710-001734	CONNECTOR-SOCKET;15P,1R,2MM,STRAIGHT,-	
DW31	3710-001734	CONNECTOR-SOCKET;15P,1R,2MM,STRAIGHT,-	
DW11	3711-000426	CONNECTOR-HEADER;3WALL,15P,1R,2mm,STRAIG	
DW12	3711-000426	CONNECTOR-HEADER;3WALL,15P,1R,2mm,STRAIG	
NW11	3711-000820	CONNECTOR-HEADER;BOX,2P,1R,2.5mm,STRAIGH	
DC73-DW15	AH38-00008A	WIRE;1007#24,BLK,120MM	
HWIRE	AH39-00335A	CONNECT WIRE;HT-DL100,#007#28,-,05P,300M	
UD8	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
UD9	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
XD1	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
XD3	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
XD5	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
XD7	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
DD102	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
HD11	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
HD12	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
UD7	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
UD5	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
UD4	0401-001110	DIODE-SWITCHING;-,-,80V,300MA,SOD-523,TP	
UD10	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
UD6	0402-000309	DIODE-RECTIFIER;1SR154-400,400V,1A,SOD-1	
FZD1	0403-001387	DIODE-ZENER;UZD5S,1B,4.89-5.2V,200mW,SOD	
CZD11	0403-001409	DIODE-ZENER;RLZ9,1B,8.57-9.01V,500mW,LL-	
DQ13	0501-000314	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,	
HQ11R	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
HQ11L	0501-000341	TR-SMALL SIGNAL;KSC1623-L,NPN,200mW,SOT-	
UQ3	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
HQ12	0504-000156	TR-DIGITAL;KSR2103,PNP,200mW,22K/22K,SOT	
DIC12	0801-002564	IC-CMOS LOGIC;74VHC244A,BUFFER,TSSOP,20	
DIC13	0802-001007	IC-BICMOS LOGIC;74LCX244,BUFFER,TSSOP,20	
DIC14	1001-001170	IC-AUDIO SWITCH;CS8415A-CZ,RECEIVER,DECO	
FIC4	1201-000163	IC-OP AMP;4560,SOP8P,173MIL,DUAL,100V/m	
FIC5	1201-000163	IC-OP AMP;4560,SOP8P,173MIL,DUAL,100V/m	
FIC6	1201-000163	IC-OP AMP;4560,SOP8P,173MIL,DUAL,100V/m	
RIC11	1201-000163	IC-OP AMP;4560,SOP8P,173MIL,DUAL,100V/m	
RIC13	1201-000163	IC-OP AMP;4560,SOP8P,173MIL,DUAL,100V/m	
CIC11	1201-000163	IC-OP AMP;4560,SOP8P,173MIL,DUAL,100V/m	
CIC13	1201-000163	IC-OP AMP;4560,SOP8P,173MIL,DUAL,100V/m	
FIC11	1201-000163	IC-OP AMP;4560,SOP8P,173MIL,DUAL,100V/m	
FIC2	1201-000163	IC-OP AMP;4560,SOP8P,173MIL,DUAL,100V/m	
FIC3	1201-000163	IC-OP AMP;4560,SOP8P,173MIL,DUAL,100V/m	
HIC11	1201-001285	IC-OP AMP;4556,SOP8P,150MIL,+/-18V,100	
RIC12	1204-001465	IC-VOLUME/TONE CONT.;TDA7440D,SOP,28,18.	
FIC12	1204-001465	IC-VOLUME/TONE CONT.;TDA7440D,SOP,28,18.	
CIC12	1204-001465	IC-VOLUME/TONE CONT.;TDA7440D,SOP,28,18.	
DIC11	1204-001840	IC-DECODER;CS493263-CL,PLCC,44P,653MIL,P	
DIC15	1204-001842	IC-ENCODER/DECODER;CS4228A-KS,SSOP,28P,2	
UR80	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
UR76	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
ODR12	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
HR19	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
FR36R	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
FR36L	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
UR75	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
UR55	2007-000074	R-CHIP;100oh	



Location no.	Code no.	Description & Specification	Remarks	Location no.	Code no.	Description & Specification	Remarks
HR16R	2007-000101	R-CHIP:82Kohm,5%,1/16W,DA,TP,1608		FC41	2203-000888	C-CERAMIC,CHIP:4.7nF,10%,50V,X7R,TP,1608	
HR16L	2007-000101	R-CHIP:82Kohm,5%,1/16W,DA,TP,1608		FC56	2203-001034	C-CERAMIC,CHIP:5.6nF,10%,50V,X7R,TP,1608	
FR4	2007-000101	R-CHIP:82Kohm,5%,1/16W,DA,TP,1608		FC57	2203-001034	C-CERAMIC,CHIP:5.6nF,10%,50V,X7R,TP,1608	
FR10	2007-000101	R-CHIP:82Kohm,5%,1/16W,DA,TP,1608		SC20	2203-001211	C-CERAMIC,CHIP:8.2nF,10%,50V,X7R,TP,1608	
HR11R	2007-000102	R-CHIP:100Kohm,5%,1/16W,DA,TP,1608		SC19	2203-001389	C-CERAMIC,CHIP:12nF,10%,50V,X7R,TP,1608	
HR11L	2007-000102	R-CHIP:100Kohm,5%,1/16W,DA,TP,1608		FC45R	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
UR72	2007-000106	R-CHIP:220Kohm,5%,1/16W,DA,TP,1608		FC45L	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
DR15	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608		FC48L	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
DR33	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608		FC48R	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
DR42	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608		RC31L	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
DR12	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608		RC31R	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
DR13	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608		RC51L	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
DR14	2007-000113	R-CHIP:33ohm,5%,1/16W,DA,TP,1608		RC51R	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
RR19R	2007-000120	R-CHIP:680ohm,5%,1/16W,DA,TP,1608		CC18	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
RR19L	2007-000120	R-CHIP:680ohm,5%,1/16W,DA,TP,1608		CC19	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
HR17R	2007-000120	R-CHIP:680ohm,5%,1/16W,DA,TP,1608		FC44L	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
HR17L	2007-000120	R-CHIP:680ohm,5%,1/16W,DA,TP,1608		FC44R	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
CR19	2007-000120	R-CHIP:680ohm,5%,1/16W,DA,TP,1608		FC47L	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
HR15R	2007-000122	R-CHIP:1.2Kohm,5%,1/16W,DA,TP,1608		FC47R	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
HR15L	2007-000122	R-CHIP:1.2Kohm,5%,1/16W,DA,TP,1608		HC21R	2203-001640	C-CERAMIC,CHIP:0.39nF,10%,50V,X7R,TP,160	
FR54R	2007-000123	R-CHIP:1.5Kohm,5%,1/16W,DA,TP,1608		HC21L	2203-001640	C-CERAMIC,CHIP:0.39nF,10%,50V,X7R,TP,160	
FR54L	2007-000123	R-CHIP:1.5Kohm,5%,1/16W,DA,TP,1608		DC30	2203-001656	C-CERAMIC,CHIP:0.47nF,5%,50V,NP0,TP,1608	
UR74	2007-000124	R-CHIP:2.2Kohm,5%,1/16W,DA,TP,1608		DC49	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
DR39	2007-000124	R-CHIP:2.2Kohm,5%,1/16W,DA,TP,1608		DC48	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FR7	2007-000129	R-CHIP:27Kohm,5%,1/16W,DA,TP,1608		DC46	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FR28R	2007-000129	R-CHIP:27Kohm,5%,1/16W,DA,TP,1608		DC41	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FR28L	2007-000129	R-CHIP:27Kohm,5%,1/16W,DA,TP,1608		DC40	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FR27R	2007-000129	R-CHIP:27Kohm,5%,1/16W,DA,TP,1608		DC72	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FR27L	2007-000129	R-CHIP:27Kohm,5%,1/16W,DA,TP,1608		UC6	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
UR84	2007-000130	R-CHIP:39Kohm,5%,1/16W,DA,TP,1608		DC88	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
DR19	2007-000134	R-CHIP:33Kohm,5%,1/16W,DA,TP,1608		DC87	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
DR40	2007-000309	R-CHIP:10ohm,5%,1/16W,DA,TP,1608		DC86	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FR23R	2007-000402	R-CHIP:150ohm,5%,1/16W,DA,TP,1608		DC74	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FR23L	2007-000402	R-CHIP:150ohm,5%,1/16W,DA,TP,1608		DC22	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FR22R	2007-000402	R-CHIP:150ohm,5%,1/16W,DA,TP,1608		DC19	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FR22L	2007-000402	R-CHIP:150ohm,5%,1/16W,DA,TP,1608		DC15	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
SR19	2007-000642	R-CHIP:270OHM,5%,1/10W,DA,TP,2012		DC13	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
DR61	2007-001167	R-CHIP:75ohm,5%,1/16W,DA,TP,1608		DC11	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
DR62	2007-002425	R-CHIP:10HM,5%,1/16W,DA,TP,1608		DC23	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FR2	2007-007147	R-CHIP:680OHM,5%,1/4W,DA,TP,3225		DC37	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
CR21	2007-007361	R-CHIP:82OHM,5%,1/2W,DA,TP,4532		DC36	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
UC5	2203-000662	C-CERAMIC,CHIP:47nF,+80-20%,50V,Y5V,TP,1		DC34	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
UC46	2203-000236	C-CERAMIC,CHIP:100PF,5%,50V,NP0,1608		DC32	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FC53R	2203-000236	C-CERAMIC,CHIP:100PF,5%,50V,NP0,1608		DC26	2203-005005	C-CERAMIC,CHIP:100nF,10%,16V,X7R,TP,1608	
FC53L	2203-000236	C-CERAMIC,CHIP:100PF,5%,50V,NP0,1608		SC18	2203-005221	C-CERAMIC,CHIP:15nF,10%,50V,X7R,TP,1608,	
FC52R	2203-000236	C-CERAMIC,CHIP:100PF,5%,50V,NP0,1608		HC12	2401-000213	C-AL:100NF,20%,50V,GP,3*5,2.5MM,TP	
FC52L	2203-000236	C-CERAMIC,CHIP:100PF,5%,50V,NP0,1608		HC11	2401-000213	C-AL:100NF,20%,50V,GP,3*5,2.5MM,TP	
DC89	2203-000257	C-CERAMIC,CHIP:10NF,10%,50V,X7R,TP,1608		UC4	2401-000243	C-AL:100UF,20%,10V,GP,6*5,2.5MM,TP	
DC44	2203-000257	C-CERAMIC,CHIP:10NF,10%,50V,X7R,TP,1608		UC101	2401-000243	C-AL:100UF,20%,10V,GP,6*5,2.5MM,TP	
DC43	2203-000257	C-CERAMIC,CHIP:10NF,10%,50V,X7R,TP,1608		DC24	2401-000243	C-AL:100UF,20%,10V,GP,6*5,2.5MM,TP	
DC38	2203-000257	C-CERAMIC,CHIP:10NF,10%,50V,X7R,TP,1608		FC8	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
DC29	2203-000257	C-CERAMIC,CHIP:10NF,10%,50V,X7R,TP,1608		FC7	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
FC50R	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-		FC6	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
RC32L	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-		FC18	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
RC32R	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-		FC9	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
FC50L	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-		RC11	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
FC43R	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-		RC12	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
FC43L	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-		RC17	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
CC20	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608,-		SC11	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
FC51R	2203-000491	C-CERAMIC,CHIP:2.2NF,10%,50V,X7R,TP,1608,-		FC16	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
FC51L	2203-000491	C-CERAMIC,CHIP:2.2NF,10%,50V,X7R,TP,1608,-		CC11	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
DC39	2203-000491	C-CERAMIC,CHIP:2.2NF,10%,50V,X7R,TP,1608,-		CC15	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
FC60R	2203-000531	C-CERAMIC,CHIP:2.7nF,10%,50V,X7R,TP,1608		DC12	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
RC36L	2203-000531	C-CERAMIC,CHIP:2.7nF,10%,50V,X7R,TP,1608		DC134	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
RC36R	2203-000531	C-CERAMIC,CHIP:2.7nF,10%,50V,X7R,TP,1608		DC16	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
RC38L	2203-000531	C-CERAMIC,CHIP:2.7nF,10%,50V,X7R,TP,1608		FC13	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
RC38R	2203-000531	C-CERAMIC,CHIP:2.7nF,10%,50V,X7R,TP,1608		FC12	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
CC24	2203-000531	C-CERAMIC,CHIP:2.7nF,10%,50V,X7R,TP,1608		FC11	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
CC27	2203-000531	C-CERAMIC,CHIP:2.7nF,10%,50V,X7R,TP,1608		FC10	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
FC58L	2203-000531	C-CERAMIC,CHIP:2.7nF,10%,50V,X7R,TP,1608		DC51	2401-000588	C-AL:1uF,20%,50V,GP,3*5,2.5MM,TP	
FC58R	2203-000531	C-CERAMIC,CHIP:2.7nF,10%,50V,X7R,TP,1608		DC71	2401-000588	C-AL:1uF,20%,50V,GP,3*5,2.5MM,TP	
FC60L	2203-000531	C-CERAMIC,CHIP:2.7nF,10%,50V,X7R,TP,1608		DC73	2401-000588	C-AL:1uF,20%,50V,GP,3*5,2.5MM,TP	
UC82	2203-000604	C-CERAMIC,CHIP:22NF,10%,25V,X7R,1608		DC91	2401-000588	C-AL:1uF,20%,50V,GP,3*5,2.5MM,TP	
SC23	2203-000604	C-CERAMIC,CHIP:22NF,10%,25V,X7R,1608		FC99	2401-000588	C-AL:1uF,20%,50V,GP,3*5,2.5MM,TP	
FC42	2203-000604	C-CERAMIC,CHIP:22NF,10%,25V,X7R,1608		DC20	2401-000588	C-AL:1uF,20%,50V,GP,3*5,2.5MM,TP	
RC33R	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		DC21	2401-000588	C-AL:1uF,20%,50V,GP,3*5,2.5MM,TP	
RC33L	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		DC27	2401-000588	C-AL:1uF,20%,50V,GP,3*5,2.5MM,TP	
FC73R	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		DC31	2401-000588	C-AL:1uF,20%,50V,GP,3*5,2.5MM,TP	
FC73L	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		DC33	2401-000588	C-AL:1uF,20%,50V,GP,3*5,2.5MM,TP	
RC34L	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		FC24	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
RC34R	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		FC23	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
RC35L	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		FC20R	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
RC35R	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		FC25	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
SC22	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		FC26	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
CC21	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		RC13	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
CC22	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		RC14	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
CC23	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		CC12	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
FC46L	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		DC25	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
FC46R	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		FC14L	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
FC49L	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		FC14R	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
FC49R	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		FC19L	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
FC55L	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		FC19R	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	
FC55R	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NP0,TP,1608		FC20L	2401-000650	C-AL:2.2uF,20%,50V,GP,3*5,2.5MM,TP	

Location no.	Code no.	Description & Specification	Remarks
UC3	2401-000752	C-AL:220nF,20%,50V,GP,3*5,2.5MM,TP	
FC74	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
RC15	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
RC16	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
SC12	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
SC13	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
SC14	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
UC2	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
CC13	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
CC14	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC17L	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC17R	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC71	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC72	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC73	2401-001238	C-AL:4.7uF,20%,25V,GP,3*5,2.5MM,TP	
FC3	2401-001324	C-AL:470nF,20%,50V,GP,3*5,2.5MM,TP	
FC28	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
HC13	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
HC14	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
HC15	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
HC16	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
HC11	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
RC18	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
CC16	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
CC17	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
DC28	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
DC42	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
FC27	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
FC15	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
DC45	2401-001502	C-AL:47uF,20%,16V,GP,6*5,2.5MM,TP	
RC20	2401-001889	C-AL:100nF,20%,50V,GP,5*11,5mm,TP	
RC19	2401-001889	C-AL:100nF,20%,50V,GP,5*11,5mm,TP	
FC2	2401-001889	C-AL:100nF,20%,50V,GP,5*11,5mm,TP	
FC1	2401-001889	C-AL:100nF,20%,50V,GP,5*11,5mm,TP	
CC14	2401-001889	C-AL:100nF,20%,50V,GP,5*11,5mm,TP	
CC13	2401-001889	C-AL:100nF,20%,50V,GP,5*11,5mm,TP	
UC1	2409-000123	C-EDL:47000uF,4uA,5.5V,1.5mm,BK	
DB23	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB24	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB25	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB26	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB27	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB28	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB29	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB30	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB1	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB12	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB13	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB14	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB22	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB19	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB18	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
DB16	3301-000353	CORE FERRITE BEAD,BLM21A121SPAB 2.0*1.2	
UIC1	AH11-00049A	MASK ROM;-HT-DL 100;-QFP,QFPH-DL100,	
PC8	AH41-00340A	PCB:HT-DL100,EPOXY,2.0,1.6T,1.6T 3	

**AH92-01277A ASSY PCB;HT-DL100,MAIN EUROPE**

ZD11	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41	
PBD2	0402-001077	DIODE-BRIDGE;KBP202G,200V,2A,SIP-4	
BD1	0402-001077	DIODE-BRIDGE;KBP202G,200V,2A,SIP-4	
PBD1	0402-001258	BRIDGE-DIODE;GBU606,6A,600V,SIP-4,BK	
BD4	0402-001258	BRIDGE-DIODE;GBU606,6A,600V,SIP-4,BK	
BD3	0402-001258	BRIDGE-DIODE;GBU606,6A,600V,SIP-4,BK	
BD2	0402-001258	BRIDGE-DIODE;GBU606,6A,600V,SIP-4,BK	
Q40	0502-000299	TR-POWER;KSD73,Y,NPN,100V,60V,5A,30W,T	
PQ3	0502-000303	TR-POWER;KSD882,NPN,1W,TO-126,TP,160-32	
Q31W	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q31RR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q31RL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q31FR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q31FL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q31C	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36W	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36RR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36RL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36FR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36FL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q36C	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29W	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29RR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29RL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29FR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29FL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q29C	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30W	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30RR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30RL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30C	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30FL	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q30FR	0502-001048	TR-POWER;KSD1691,NPN,1.3W,TO-126,BK,160	
Q34C	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q33W	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q33RR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	

Q33RL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q34FL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q34FR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q34RL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q34RR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q34W	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q32C	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q32FL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q32FR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q32RL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q32RR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q32W	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q33C	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q33FL	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
Q33FR	0502-001210	TR-POWER;KSB1151,PNP,1300MW,TO-126SL,S	
IC4	1203-000110	IC-NEGA.FIXED REG.;7912,TO-220,3P,-,PLAS	
IC3	1203-000242	IC-POSI.FIXED REG.;7812,TO-220,3P,-,PLAS	
IC8	1203-000242	IC-POSI.FIXED REG.;7812,TO-220,3P,-,PLAS	
IC1	1203-000276	IC-POSI.FIXED REG.;KA7805-AB,TO-220,3P,-	
PQ2	1203-001006	IC-VOLTAGE REGULATOR;78R05,TO-220F,4P,-	
PQ6	1203-001006	IC-VOLTAGE REGULATOR;78R05,TO-220F,4P,-	
PQ4	1203-001586	IC-VOLTAGE REGULATOR;278R33,TO-220F,4P,-	
PQ1	1203-001589	IC-POSI.FIXED REG.;278R05,TO-220F,4P,-P	
PQ5	1203-001697	IC VOLTAGE REGULATOR;78R08,TO-220 4P PLA	
PR4	2003-000471	R-METAL OXIDE(S);100Hm,5%,2W,AA,TP	
R39	2003-000578	R-METAL OXIDE(S);220ohm,5%,2W,AA,TP,4x12	
R38	2003-000616	R-METAL OXIDE(S);270ohm,5%,2W,AA,TP,4x12	
PR1	2003-000701	R-METAL OXIDE(S);470ohm,5%,2W,AA,TP,4x12	
R25	2003-000767	R-METAL OXIDE(S);680ohm,5%,2W,AA,TP,4x12	
R45	2003-000807	R-METAL OXIDE(S);82ohm,5%,2W,AA,TP,4x12	
R97W	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
R98W	2009-000018	R-METAL PLATE;0.22ohm,10%,5W,CL,TP,5x14x	
C5	2201-000546	C-CERAMIC.DISC;4.7nF,20%,400V,Y5U,16.0*7	
PC19	2201-000546	C-CERAMIC.DISC;4.7nF,20%,400V,Y5U,16.0*7	
PC20	2201-000546	C-CERAMIC.DISC;4.7nF,20%,400V,Y5U,16.0*7	
C2	2201-000546	C-CERAMIC.DISC;4.7nF,20%,400V,Y5U,16.0*7	
C3	2201-000546	C-CERAMIC.DISC;4.7nF,20%,400V,Y5U,16.0*7	
C1	2201-000546	C-CERAMIC.DISC;4.7nF,20%,400V,Y5U,16.0*7	
PC1	2401-000230	C-AL:100uF,20%,100V,GP,10x20mm,5mm,	
PC5	2401-001052	C-AL:3300uF,20%,25V,GP,16*31.5*7.5mm	
C35	2401-001361	C-AL:470uF,16V,BP,10*20MM,5MM	
C9	2401-001413	C-AL:470uF,20%,35V,GP,10x20,5MM	
PC4	2401-001879	C-AL:10000uF,20%,16V,GP,TP,18x35.5mm	
PC3	2401-001879	C-AL:10000uF,20%,16V,GP,TP,18x35.5mm	
C22	2401-001959	C-AL:4700uF,20%,25V,GP,18x35.5mm,7.	
C23	2401-001959	C-AL:4700uF,20%,25V,GP,18x35.5mm,7.	
C19	2401-002258	C-AL:4700uF,20%,50V,GP,22X40MM,5MM	
C18	2401-002258	C-AL:4700uF,20%,50V,GP,22X40MM,5MM	
C20	2401-003116	C-AL:4700uF,20%,35V,-,18*35,5MM	
C21	2401-003116	C-AL:4700uF,20%,35V,-,18*35,5MM	
RE3	3501-001008	RELAY-POWER;G2R-1 DC12	
RE5	3501-001197	RELAY-MINIATURE;OSA-SS-212DM3	
RE6	3501-001197	RELAY-MINIATURE;OSA-SS-212DM3	
RE7	3501-001197	RELAY-MINIATURE;OSA-SS-212DM3	
RE1	3501-001214	RELAY-POWER;12V,0.45W,-,1FORMA,10MS,4MS	
FU1	3601-000216	FUSE-CARTRIDGE;250V,2.5A,TIME-LAG,GLASS,	
FU3	3601-000319	FUSE;80MA(15.5MM)	
CW8	3708-001094	CONNECTOR-FPC/FPC/PC;13P,1.25mm,STRAIGHT	
PW5	3708-001311	CONNECTOR-FPC/FPC/PC;SCB-1107-00-2,7P,1.	
CW4	3708-001311	CONNECTOR-FPC/FPC/PC;SCB-1107-00-2,7P,1.	
CW1	3711-000190	CONNECTOR-HEADER;1WALL,2P,1R,7.92mm,STRA	
PW1	3711-000963	CONNECTOR-HEADER;BOX,4P,1R,2.5MM,ST	
HW1	3711-001018	CONNECTOR-HEADER;BOX,5P,1R,2mm,STRAIGHT,	
CW3	3711-001098	CONNECTOR-HEADER;BOX,7P,1R,2.5mm,STRAIGH	
PW2	3711-003111	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGH	
PW3	3711-004109	CONNECTOR-HEADER;3WALL,12P,1R,2mm,STRAIG	
CW7	3711-004110	CONNECTOR-HEADER;3WALL,12P,1R,2mm,STRAIG	
CW6	3711-004110	CONNECTOR-HEADER;3WALL,12P,1R,2mm,STRAIG	
CW5	3711-004110	CONNECTOR-HEADER;3WALL,12P,1R,2mm,STRAIG	
CW2	3711-004848	CONNECTOR-HEADER;BOX,3P,1R,7.92MM,STRAIG	
J2	3716-001132	TERMINAL-BLOCK;P40420421P-RED,	
J1	3716-001173	TERMINAL-BLOCK;SOLDER;8P,12.5MM,60V,7A	
HJACK	3722-000351	JACK-PHONE;11P,3.5MM,AG,BLK	
J3	3722-001727	JACK-PIN;2P,8.3PIN,PH,BLK,-	
IC1	6002-000398	SCREW-TAPPING;BH,+2,M3,L6,ZPC(YEL),SWCH	
MA-H3	6003-000276	SCREW-TAPTITE;BH,+B,M3,L10,ZPC(YEL),SWC	
MA-H2	6003-000276	SCREW-TAPTITE;BH,+B,M3,L10,ZPC(YEL),SWC	
MA-H1	6003-000276	SCREW-TAPTITE;BH,+B,M3,L10,ZPC(YEL),SWC	
SCREW	6003-000283	SCREW-TAPTITE;BH,+B,M3,L8,ZPC(YEL),SWCH	
DVDP-H	6003-000283	SCREW-TAPTITE;BH,+B,M3,L8,ZPC(YEL),SWCH	
DIO-H	6003-000283	SCREW-TAPTITE;BH,+B,M3,L8,ZPC(YEL),SWCH	
AIC8	6003-000283	SCREW-TAPTITE;BH,+B,M3,L8,ZPC(YEL),SWCH	
PT1	AH26-00143C	TRANS POWER;-HT-DL100;-6.276V,24V/9V,0	
L2	AH27-10001F	COIL-CHOKE;27uH,K,Q30,-,DR(6.5*7.5)-,	
L1	AH27-10001F	COIL-CHOKE;27uH,K,Q30,-,DR(6.5*7.5)-,	
L3W	AH27-90001A	COIL-SPRING;2.2UH,-,SPRING	
L3RR	AH27-90001A	COIL-SPRING;2.2UH,-,SPRING	
L3RL	AH27-90001A	COIL-SPRING;2.2UH,-,SPRING	
L3FR	AH27-90001A	COIL-SPRING;2.2UH,-,SPRING	
L3FL	AH27-90001A	COIL-SPRING;2.2UH,-,SPRING	
L3C	AH27-90001A	COIL-SPRING;2.2UH,-,SPRING	
PW4	AH38-00291A	LEAD CONNECTOR ASSY;RCA300,1007#26,-6P,	
M-H1	AH61-00779A	HOLDER-IC:HT-DL100,PBT,GRAY,-,-	

Location no.	Code no.	Description & Specification	Remarks	Location no.	Code no.	Description & Specification	Remarks
M-H2	AH61-00779A	HOLDER-IC:HT-DL100,PBT,GRAY,-,-,-		D41RR	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
M-H3	AH61-00779A	HOLDER-IC:HT-DL100,PBT,GRAY,-,-,-		D41RL	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
MAIN-H	AH62-00050A	HEAT SINK-MAIN:HT-DL100,AL EXTR,-,-,-,-,-		D41FR	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
	AH62-00051B	HEAT SINK-B:HT-DL100,AL,3.0T,-,-,-,-,-		D41FL	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
	AH62-00051C	HEAT SINK-D:HT-DL100,AL EXTRA,-,-,-,-,-		D41C	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
DIO-H	AH62-00052A	HEAT SINK-DIO:HT-DL100,AL EXTR,-,-,-,-,-		D40W	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
IC1	AH62-00062A	HEAT SINK-TR:HT-DL100,AL EXTR,-,-,-,-,-		D42RR	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
	AH62-30061C	HEAT SINK-HEAT SINK:HT-DL100,AL EXTRA,H5		D42RL	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
	AH63-00384A	SHIELD-SPK,8:HT-DL100,SPTE 0.3T,-,-,-,-,-		D42FR	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
	AH63-00385A	SHIELD-SPK,4:HT-DL100,SPTE 0.3T,-,-,-,-,-		D42FL	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
	AH63-00386A	SHIELD-SCART:HT-DL100,SPTE 0.3T,-,-,-,-,-		D42C	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
	AH69-20414A	CUSHION-EVA,EVA,SPONGE 1T		D41W	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
PD9	0401-000101	DIODE-SWITCHING:1N4148,100V,200mA,DO-35,		D40RR	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
PD8	0401-000101	DIODE-SWITCHING:1N4148,100V,200mA,DO-35,		D39FR	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
PD5	0401-000101	DIODE-SWITCHING:1N4148,100V,200mA,DO-35,		D39FL	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
PD4	0401-000101	DIODE-SWITCHING:1N4148,100V,200mA,DO-35,		D39C	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
PD3	0401-000101	DIODE-SWITCHING:1N4148,100V,200mA,DO-35,		D24	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
D3	0401-000101	DIODE-SWITCHING:1N4148,100V,200mA,DO-35,		D23	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
HD1	0401-000101	DIODE-SWITCHING:1N4148,100V,200mA,DO-35,		D22	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
HD2	0401-000101	DIODE-SWITCHING:1N4148,100V,200mA,DO-35,		D40RL	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
PD2	0401-000101	DIODE-SWITCHING:1N4148,100V,200mA,DO-35,		D40FR	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
D36W	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		D40FL	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
D36RR	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		D40C	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
D36RL	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		D39RR	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
D36FR	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		D39RL	0402-000309	DIODE-RECTIFIER:1SR154-400,400V,1A,SOD-1	
D37C	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		D42W	0402-001484	DIODE-RECTIFIER:S2B,100V,1.5A,DO-214AA,T	
D37FL	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		D39W	0402-001484	DIODE-RECTIFIER:S2B,100V,1.5A,DO-214AA,T	
D37FR	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD13	0403-000004	DIODE-ZENER:UZ12BM,12V,11.6-12.4V,500mW	
D37RL	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD3	0403-000004	DIODE-ZENER:UZ12BM,12V,11.6-12.4V,500mW	
D35C	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD2	0403-000352	DIODE-ZENER:UZ4.7BM,4.7V,4.4-5.0V,500mW	
D35FL	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD1	0403-000354	DIODE-ZENER:UZ5.1B,5.1V,4.8-5.4V,500mW	
D35FR	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD11	0403-000382	DIODE-ZENER:UZP15B,15V,13.9-15.6V,1W,DO	
D35RL	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD12	0403-000382	DIODE-ZENER:UZP15B,15V,13.9-15.6V,1W,DO	
D35RR	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		PZD2	0403-000564	DIODE-ZENER:TZP16A,16V,15.3-17.1V,1W	
D35W	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		PZD1	0403-000564	DIODE-ZENER:TZP16A,16V,15.3-17.1V,1W	
D36C	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD6C	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
D36FL	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD6FL	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
D61	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD6FR	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
D62	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD6RL	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
D63	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD6RR	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
D64	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD6W	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
D65	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD5C	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
D66	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD6FL	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
D9	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD6FR	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
ZD205	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD5W	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
D37RR	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD5RR	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
D37W	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD5RL	0403-001079	DIODE-ZENER:UDZ3.9B,7%,200MW,SOD-323,TP	
D38C	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD207	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D38FL	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD208	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D38FR	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD209	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D38RL	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD210	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D38RR	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD211	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D38W	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD212	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D34	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		D208	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D201	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD201	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D202	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD202	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D203	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD203	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D204	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD204	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D206	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		ZD206	0403-001376	DIODE-ZENER:UDZ3.6B,3.6-3.845V,200mW,SOD	
D205	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		PD10	0404-000156	DIODE-SCHOTTKY:RB441Q,10V,100mA,DO-34,TP	
D207	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q25C	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D209	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q24W	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D10	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q24RR	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D12	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q24RL	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D13	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q24FR	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D14	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q24FL	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D15	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q25FL	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D16	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q9	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D17	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q3	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D20	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q25W	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D217	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q25RR	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D218	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q25RL	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D28	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q25FR	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D29	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q24C	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D30	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q22RR	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D31	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q22RL	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D32	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q22FR	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D33	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q22FL	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D21	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q22C	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D210	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q2	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D211	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q22W	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D212	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q23W	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D216	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q23RR	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D215	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q23RL	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D214	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q23C	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D213	0401-001090	DIODE-SWITCHING:1SS355,80V,225mA,SOD-323		Q23FL	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D6	0402-000127	DIODE-RECTIFIER:1N4002,100V,1A,DO-41		Q23FR	0501-000010	TR-SMALL SIGNAL:KSC1008,NPN,800mW,TO-92	
D8	0402-000127	DIODE-RECTIFIER:1N4002,100V,1A,DO-41		Q28C	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92	
PD1	0402-000127	DIODE-RECTIFIER:1N4002,100V,1A,DO-41		Q27W	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92	
D4	0402-000127	DIODE-RECTIFIER:1N4002,100V,1A,DO-41		Q27RR	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92	
D1	0402-000127	DIODE-RECTIFIER:1N4002,100V,1A,DO-41		Q27RL	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92	
D11	0402-000127	DIODE-RECTIFIER:1N4002,100V,1A,DO-41		Q27FR	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92	

Location no.	Code no.	Description & Specification	Remarks	Location no.	Code no.	Description & Specification	Remarks
Q4	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		HB1	2007-000070	R-CHIP:0ohm,5%,1/16W,DA,TP,1608	
Q28W	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		HB2	2007-000070	R-CHIP:0ohm,5%,1/16W,DA,TP,1608	
Q28RR	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		HB3	2007-000070	R-CHIP:0ohm,5%,1/16W,DA,TP,1608	
Q28RL	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R85W	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q28FR	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R85RR	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q28FL	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R85RL	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q27C	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R85FR	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q21W	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R85FL	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q21RR	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R85C	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q21RL	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R90W	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q21FR	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R90RR	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q21FL	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R90RL	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q21C	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R90FR	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q26W	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R90FL	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q26RR	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R90C	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q26RL	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R134	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q26C	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R115	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q26FL	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R114	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q26FR	0501-000294	TR-SMALL SIGNAL:KSA708-Y,PNP,800mW,TO-92		R110	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q26FR	0501-000303	TR-SMALL SIGNAL:KSA733,PNP,250mW,TO-92,T		R109	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q20RL	0501-000303	TR-SMALL SIGNAL:KSA733,PNP,250mW,TO-92,T		R104	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q20RR	0501-000303	TR-SMALL SIGNAL:KSA733,PNP,250mW,TO-92,T		R103	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q20W	0501-000303	TR-SMALL SIGNAL:KSA733,PNP,250mW,TO-92,T		R132	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q20FL	0501-000303	TR-SMALL SIGNAL:KSA733,PNP,250mW,TO-92,T		R131	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q20C	0501-000303	TR-SMALL SIGNAL:KSA733,PNP,250mW,TO-92,T		R126	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q16	0501-000303	TR-SMALL SIGNAL:KSA733,PNP,250mW,TO-92,T		R120	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q13	0501-000303	TR-SMALL SIGNAL:KSA733,PNP,250mW,TO-92,T		R121	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q7	0501-000314	TR-SMALL SIGNAL:KSA812,PNP,150mW,SOT-23,		R125	2007-000075	R-CHIP:220ohm,5%,1/16W,DA,TP,1608	
Q18FL	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R94W	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q18FR	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R95C	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q18RL	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R95FL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q18RR	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R95FR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q18W	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R94RR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q8	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R94RL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q18C	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R94FR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q17C	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R94FL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q17FL	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R94C	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q17FR	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R96W	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q17W	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R96RR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q17RR	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R96RL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q17RL	0501-000341	TR-SMALL SIGNAL:KSC1623-L,NPN,200mW,SOT-		R96FR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q35FR	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R96FL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q35FL	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R96C	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q35C	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R95W	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q19W	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R95RR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q35RL	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R95RL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q35RR	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R93W	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q35W	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R92FL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q5	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R92C	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q19RR	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R91W	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q10	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R91RR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q11	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R91RL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q14	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R91FR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q15	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R91FL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q19C	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R91C	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q19FL	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R52	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q19FR	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R93RR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q19RL	0501-000398	TR-SMALL SIGNAL:KSC945,NPN,250mW,TO-92,T		R93RL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q6	0501-000610	TR-SMALL SIGNAL:KSA928A-Y,PNP,1W,TO-92L,		R93FR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q1	0504-000118	TR-DIGITAL:KSR1003,NPN,300mW,22K/22K,TO-		R93FL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q37	0504-000156	TR-DIGITAL:KSR2103,PNP,200mW,22K/22K,SOT		R93C	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q38	0504-000156	TR-DIGITAL:KSR2103,PNP,200mW,22K/22K,SOT		R92FR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q39	0504-000156	TR-DIGITAL:KSR2103,PNP,200mW,22K/22K,SOT		R92RL	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
Q12	0504-001003	TR-DIGITAL:KSR2003TA,300mW,22K-22Kohm		R92RR	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
IC7	1201-000163	IC-OP AMP:4560,SOP,8P,173MIL,DUAL,100V/m		R92W	2007-000076	R-CHIP:330ohm,5%,1/16W,DA,TP,1608	
IC6	1201-000163	IC-OP AMP:4560,SOP,8P,173MIL,DUAL,100V/m		R89FL	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
IC5	1201-000163	IC-OP AMP:4560,SOP,8P,173MIL,DUAL,100V/m		R89C	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
IC2	1201-000163	IC-OP AMP:4560,SOP,8P,173MIL,DUAL,100V/m		R86W	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
PQ7	1203-002296	IC-VOLTAGE REGULATOR:BA3254FP-E2, VOLT		R89FR	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
R4	2001-000050	R-CARBON:2.7Kohm,5%,1/4W,AA,TP,2.4x6.4mm		R89RL	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
R31	2001-000110	R-CARBON:10ohm,5%,1/4W,AA,TP,2.4x6.4mm		R89RR	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
R9	2001-000591	R-CARBON:3.3Kohm,5%,1/8W,AA,TP,1.8x3.2mm		R89W	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
R5	2001-000660	R-CARBON:33Kohm,5%,1/8W,AA,TP,1.8x3.2mm		R86RR	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
R15	2001-000702	R-CARBON:39Kohm,5%,1/8W,AA,TP,1.8x3.2mm		R105	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
R8	2001-000773	R-CARBON:470Kohm,5%,1/8W,AA,TP,1.8x3.2mm		R116	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
R6	2001-000786	R-CARBON:47Kohm,5%,1/8W,AA,TP,1.8x3.2mm		R127	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
R146	2001-000850	R-CARBON:560Kohm,5%,1/8W,AA,TP,1.8x3.2mm		R86C	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
R11	2001-000864	R-CARBON:56Kohm,5%,1/8W,AA,TP,1.8x3.2mm		R86RL	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
R2	2001-000890	R-CARBON:6.8Kohm,5%,1/8W,AA,TP,1.8x3.2mm		R86FR	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
R7	2001-001050	R-CARBON(S):1.5Kohm,5%,1/2W,AA,TP,2.4x6.4mm		R86FL	2007-000077	R-CHIP:470ohm,5%,1/16W,DA,TP,1608	
D5	2003-000603	R-METAL OXIDE(S):270ohm,5%,1W,AA,TP,3.3x9		R77C	2007-000078	R-CHIP:1Kohm,5%,1/16W,DA,TP,1608	
D7	2003-000603	R-METAL OXIDE(S):270ohm,5%,1W,AA,TP,3.3x9		R77FL	2007-000078	R-CHIP:1Kohm,5%,1/16W,DA,TP,1608	
R44	2003-000674	R-METAL OXIDE(S):39ohm,5%,1W,AA,TP,3.3x9		R77FR	2007-000078	R-CHIP:1Kohm,5%,1/16W,DA,TP,1608	
R141	2003-000708	R-METAL OXIDE(S):470ohm,5%,1W,AA,TP		R77RL	2007-000078	R-CHIP:1Kohm,5%,1/16W,DA,TP,1608	
R30	2003-000765	R-METAL OXIDE(S):680ohm,5%,1W,AA,TP,3.3x9		R77RR	2007-000078	R-CHIP:1Kohm,5%,1/16W,DA,TP,1608	
JW106	2007-000033	R-CHIP:0OHM,5%,1/8W,DA,TP,3216		R76C	2007-000078	R-CHIP:1Kohm,5%,1/16W,DA,TP,1608	
JW104	2007-000033	R-CHIP:0OHM,5%,1/8W,DA,TP,3216		R76FL	2007-000078	R-CHIP:1Kohm,5%,1/16W,DA,TP,1608	
JW102	2007-000033	R-CHIP:0OHM,5%,1/8W,DA,TP,3216		R76FR	2007-000078	R-CHIP:1Kohm,5%,1/16W,DA,TP,1608	
JW110	2007-000033	R-CHIP:0OHM,5%,1/8W,DA,TP,3216		R76RL	2007-000078	R-CHIP:1Kohm,5%,1/16W,DA,TP,1608	
HR1	2007-000070	R-CHIP:0ohm,5%,1/16W,DA,TP,1608		R76RR	2007-000078	R-CHIP:1Kohm,5%,1/16W,DA,TP,1608	
R137C	2007-000070	R-CHIP:0ohm,5%,1/16W,DA,TP,1608		R79RL	2007-000079	R-CHIP:1.8Kohm,5%,1/16W,DA,TP,1608	
R138	2007-000070	R-CHIP:0ohm,5%,1/16W,DA,TP,1608		R79RR	2007-000079	R-CHIP:1.8Kohm,5%,1/16W,DA,TP,1608	
HB4	2007-000070	R-CHIP:0ohm,5%,1/16W,DA,TP,1608		R79W	2007-000079	R-CHIP:1.8Kohm,5%,1/16W,DA,TP,1608	



Location no.	Code no.	Description & Specification	Remarks
R33RR	2007-000653	R-CHIP:27KOHM,5%,1/10W,DA,TP,2012	
R33RL	2007-000653	R-CHIP:27KOHM,5%,1/10W,DA,TP,2012	
R78W	2007-001039	R-CHIP:56KOHM,5%,1/10W,DA,TP,2012	
R78RR	2007-001039	R-CHIP:56KOHM,5%,1/10W,DA,TP,2012	
R78RL	2007-001039	R-CHIP:56KOHM,5%,1/10W,DA,TP,2012	
R78C	2007-001039	R-CHIP:56KOHM,5%,1/10W,DA,TP,2012	
R78FL	2007-001039	R-CHIP:56KOHM,5%,1/10W,DA,TP,2012	
R78FR	2007-001039	R-CHIP:56KOHM,5%,1/10W,DA,TP,2012	
R72	2007-001179	R-CHIP:8.2Kohm,5%,1/16W,DA,TP,1608	
R98C	2007-008317	R-CHIP:0.15OHM,5%,1W,DA,TP,6432	
R98FL	2007-008317	R-CHIP:0.15OHM,5%,1W,DA,TP,6432	
R98FR	2007-008317	R-CHIP:0.15OHM,5%,1W,DA,TP,6432	
R98RL	2007-008317	R-CHIP:0.15OHM,5%,1W,DA,TP,6432	
R98RR	2007-008317	R-CHIP:0.15OHM,5%,1W,DA,TP,6432	
R97C	2007-008317	R-CHIP:0.15OHM,5%,1W,DA,TP,6432	
R97FL	2007-008317	R-CHIP:0.15OHM,5%,1W,DA,TP,6432	
R97FR	2007-008317	R-CHIP:0.15OHM,5%,1W,DA,TP,6432	
R97RL	2007-008317	R-CHIP:0.15OHM,5%,1W,DA,TP,6432	
R97RR	2007-008317	R-CHIP:0.15OHM,5%,1W,DA,TP,6432	
C17	2201-000161	C-CERAMIC,DISC:10nF,+80-20%,500V,Y5V,10x	
C16	2201-000161	C-CERAMIC,DISC:10nF,+80-20%,500V,Y5V,10x	
C15	2201-000161	C-CERAMIC,DISC:10nF,+80-20%,500V,Y5V,10x	
C14	2201-000161	C-CERAMIC,DISC:10nF,+80-20%,500V,Y5V,10x	
C33RR	2201-000300	C-CERAMIC,DISC:1nF,20%,50V,Y5T,TP,5x3,5	
C33RL	2201-000300	C-CERAMIC,DISC:1nF,20%,50V,Y5T,TP,5x3,5	
C32W	2201-000300	C-CERAMIC,DISC:1nF,20%,50V,Y5T,TP,5x3,5	
C32C	2201-000300	C-CERAMIC,DISC:1nF,20%,50V,Y5T,TP,5x3,5	
C33FL	2202-000796	C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3	
C32RR	2202-000796	C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3	
C32RL	2202-000796	C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3	
C32FR	2202-000796	C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3	
C32FL	2202-000796	C-CERAMIC,MLC-AXIAL:1nF,10%,50V,Y5P,TP,3	
C71W	2203-000062	C-CERAMIC,CHIP:47nF,+80-20%,50V,Y5V,TP,1	
C71RR	2203-000062	C-CERAMIC,CHIP:47nF,+80-20%,50V,Y5V,TP,1	
C71RL	2203-000062	C-CERAMIC,CHIP:47nF,+80-20%,50V,Y5V,TP,1	
C71C	2203-000062	C-CERAMIC,CHIP:47nF,+80-20%,50V,Y5V,TP,1	
C41W	2203-000062	C-CERAMIC,CHIP:47nF,+80-20%,50V,Y5V,TP,1	
HC4	2203-000236	C-CERAMIC,CHIP:100PF,5%,50V,NPO,1608	
HC3	2203-000236	C-CERAMIC,CHIP:100PF,5%,50V,NPO,1608	
HC2	2203-000236	C-CERAMIC,CHIP:100PF,5%,50V,NPO,1608	
HC1	2203-000236	C-CERAMIC,CHIP:100PF,5%,50V,NPO,1608	
C44W	2203-000280	C-CERAMIC,CHIP:10PF,0.5PF,50V,NPO,TP	
HC5	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608-	
C70FR	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608-	
C70FL	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608-	
C33W	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608-	
C33FR	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608-	
C33C	2203-000440	C-CERAMIC,CHIP:1nF,10%,50V,X7R,TP,1608-	
HC9	2203-000592	C-CERAMIC,CHIP:0.22nF,5%,50V,NPO,TP,1608	
HC8	2203-000592	C-CERAMIC,CHIP:0.22nF,5%,50V,NPO,TP,1608	
HC6	2203-000592	C-CERAMIC,CHIP:0.22nF,5%,50V,NPO,TP,1608	
C44RR	2203-000704	C-CERAMIC,CHIP:0.002nF,0.25pF,50V,RH,TP	
C44RL	2203-000704	C-CERAMIC,CHIP:0.002nF,0.25pF,50V,RH,TP	
C44FR	2203-000704	C-CERAMIC,CHIP:0.002nF,0.25pF,50V,RH,TP	
C44FL	2203-000704	C-CERAMIC,CHIP:0.002nF,0.25pF,50V,RH,TP	
C44C	2203-000704	C-CERAMIC,CHIP:0.002nF,0.25pF,50V,RH,TP	
C202R	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NPO,TP,1608	
C202L	2203-000783	C-CERAMIC,CHIP:0.33nF,5%,50V,NPO,TP,1608	
MC606	2203-000888	C-CERAMIC,CHIP:4.7nF,10%,50V,X7R,TP,1608	
MC605	2203-000888	C-CERAMIC,CHIP:4.7nF,10%,50V,X7R,TP,1608	
MC604	2203-000888	C-CERAMIC,CHIP:4.7nF,10%,50V,X7R,TP,1608	
MC601	2203-000888	C-CERAMIC,CHIP:4.7nF,10%,50V,X7R,TP,1608	
MC602	2203-000888	C-CERAMIC,CHIP:4.7nF,10%,50V,X7R,TP,1608	
MC603	2203-000888	C-CERAMIC,CHIP:4.7nF,10%,50V,X7R,TP,1608	
R41RR	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
R41RL	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
R41FR	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
R41FL	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
C41C	2203-001554	C-CERAMIC,CHIP:1.8nF,10%,50V,X7R,TP,1608	
C47RL	2301-000375	C-FILM,PEF;100nF,10%,50V,11x12.5x6.5,TP	
C47RR	2301-000375	C-FILM,PEF;100nF,10%,50V,11x12.5x6.5,TP	
C47W	2301-000375	C-FILM,PEF;100nF,10%,50V,11x12.5x6.5,TP	
C47FR	2301-000375	C-FILM,PEF;100nF,10%,50V,11x12.5x6.5,TP	
C47FL	2301-000375	C-FILM,PEF;100nF,10%,50V,11x12.5x6.5,TP	
C47C	2301-000375	C-FILM,PEF;100nF,10%,50V,11x12.5x6.5,TP	
PC2	2401-000357	C-AL:100UF,0.2,50V,GP,8*12.5MM,SSL	
C34	2401-000385	C-AL:10UF,20%,100V,GP,-6.3X11	
C40W	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
C40RR	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
C40RL	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
C40FR	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
C40FL	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
C40C	2401-000407	C-AL:10UF,20%,16V,GP,3.5*5,2.5MM,TP	
C8	2401-000438	C-AL:10UF,20%,25V,GP,5*11,5mm,TP	
C28	2401-000459	C-AL:10UF,20%,35V,GP,5*7,5mm,TP	
C29	2401-000459	C-AL:10UF,20%,35V,GP,5*7,5mm,TP	
PC8	2401-000475	C-AL:10UF,20%,50V,GP,5*11,5mm,TP	
PC6	2401-000475	C-AL:10UF,20%,50V,GP,5*11,5mm,TP	
PC13	2401-000475	C-AL:10UF,20%,50V,GP,5*11,5mm,TP	
PC10	2401-000475	C-AL:10UF,20%,50V,GP,5*11,5mm,TP	
C11	2401-000795	C-AL:220UF,20%,16V,GP,8*12.5MM,TP	
C43RR	2401-000909	C-AL:22UF,20%,16V,GP,5*5,2.5MM,TP	
C43RL	2401-000909	C-AL:22UF,20%,16V,GP,5*5,2.5MM,TP	

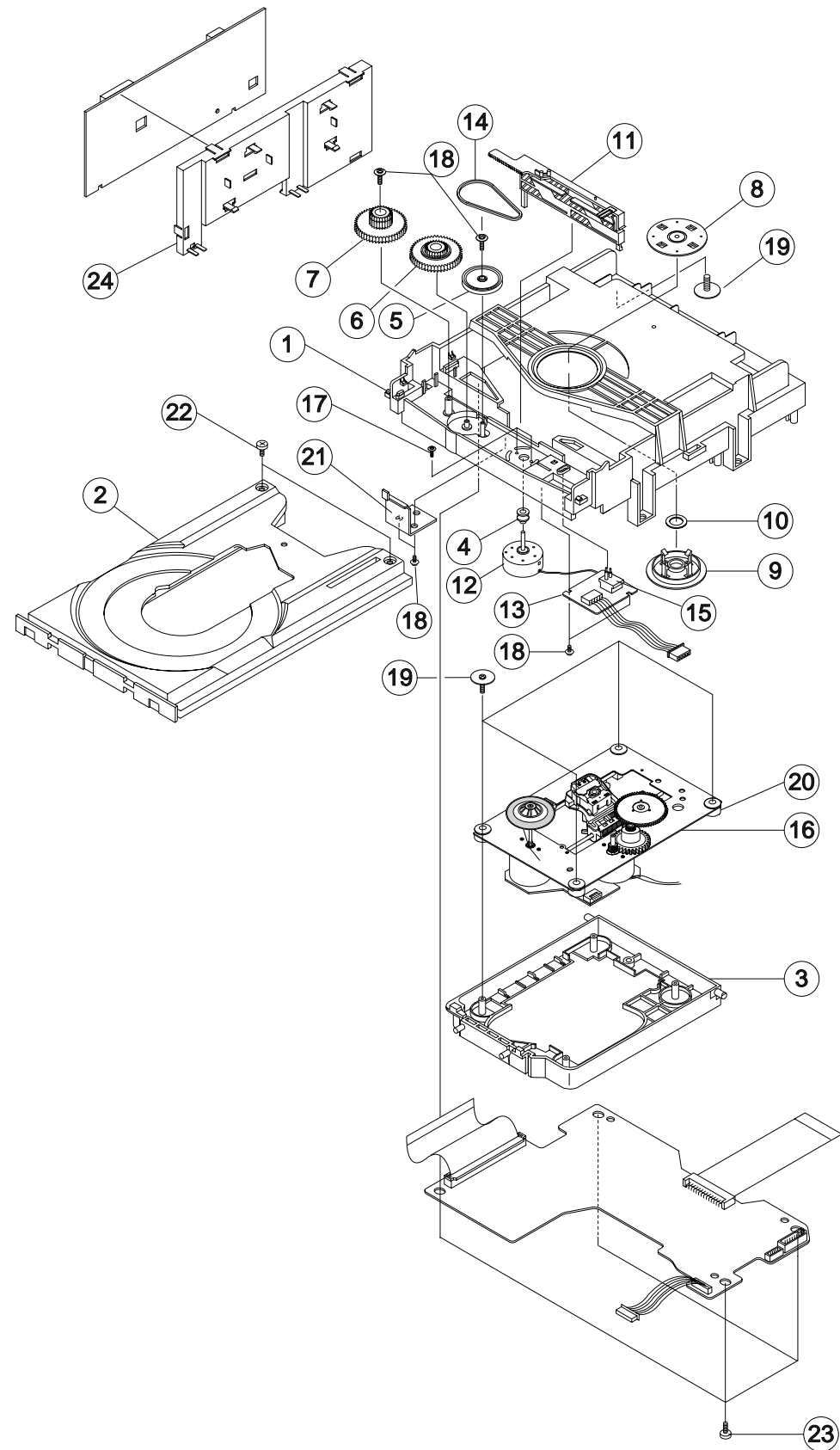
Location no.	Code no.	Description & Specification	Remarks
C43FL	2401-000909	C-AL:22UF,20%,16V,GP,5*5,2.5MM,TP	
C43FR	2401-000909	C-AL:22UF,20%,16V,GP,5*5,2.5MM,TP	
C43C	2401-000909	C-AL:22UF,20%,16V,GP,5*5,2.5MM,TP	
PC18	2401-001102	C-AL:330UF,20%,16V,GP,8*11.5,5MM,TP	
PC16	2401-001102	C-AL:330UF,20%,16V,GP,8*11.5,5MM,TP	
C43W	2401-001502	C-AL:47UF,20%,16V,GP,6*5,2.5MM,TP	
C7	2401-001538	C-AL:47UF,20%,25V,GP,5*11,5mm,TP	
C39	2401-001538	C-AL:47UF,20%,25V,GP,5*11,5mm,TP	
PC14	2401-001895	C-AL:100UF,20%,16V,GP,6.3*11,5MM,TP	
PC15	2401-001895	C-AL:100UF,20%,16V,GP,6.3*11,5MM,TP	
PC17	2401-001895	C-AL:100UF,20%,16V,GP,6.3*11,5MM,TP	
PC7	2401-001895	C-AL:100UF,20%,16V,GP,6.3*11,5MM,TP	
PC9	2401-001895	C-AL:100UF,20%,16V,GP,6.3*11,5MM,TP	
C25	2401-001895	C-AL:100UF,20%,16V,GP,6.3*11,5MM,TP	
C26	2401-001895	C-AL:100UF,20%,16V,GP,6.3*11,5MM,TP	
C27	2401-001895	C-AL:100UF,20%,16V,GP,6.3*11,5MM,TP	
PC11	2401-001895	C-AL:100UF,20%,16V,GP,6.3*11,5MM,TP	
PC12	2401-001895	C-AL:100UF,20%,16V,GP,6.3*11,5MM,TP	
C13	2401-001912	C-AL:1uF,20%,50V,GP,5*11,5mm,TP	
C10	2401-001912	C-AL:1uF,20%,50V,GP,5*11,5mm,TP	
C12	2401-001954	C-AL:4.7UF,20%,50V,GP,5*11,5MM,TP	
C31	2401-001969	C-AL:470UF,20%,25V,GP,10x12mm,5mm,T	
C30	2401-001969	C-AL:470UF,20%,25V,GP,10x12mm,5mm,T	
C55	2401-001975	C-AL:47UF,20%,16V,GP,5*11,5mm,TP	
C54	2401-001975	C-AL:47UF,20%,16V,GP,5*11,5mm,TP	
C52	2401-001975	C-AL:47UF,20%,16V,GP,5*11,5mm,TP	
C37	2401-001975	C-AL:47UF,20%,16V,GP,5*11,5mm,TP	
HL2	2701-000114	INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm,LA02TB	
HL1	2701-000114	INDUCTOR-AXIAL:10uH,10%,2.5x3.4mm,LA02TB	
FU3	3602-000147	FUSE-CLIP:250V,7.5A,30mohm	
FU1	3602-000147	FUSE-CLIP:250V,7.5A,30mohm	
JW1	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	
PR11	3811-000389	WIRE-NO SHEATH CU;SPCW,300V,52.4mm,1/0.5	

**\* Parts List of Total Exploded view**

O : use , - : none use

No.	Code No.	Description ; Specification	Q'ty	EUROPE	USA	ASIA	REMARK
1	AH64-01539A	BADGE-DVD	1	O	O	O	
2	AH64-01363A	DOOR-TRAY	1	O	O	O	
3	AH64-01364C	WINDOW-VFD	1	O	O	O	
4	AH64-01356B	PANEL-FRONT	1	-	O	O	
	AH64-01356C	PANEL-FRONT	1	O	-	-	RDS logo
5	AH64-01360A	CABINET-FRONT	1	O	O	O	
6	AH67-00122A	LENS-POWER	1	O	O	O	
7	AH64-01366A	KNOB-FUNCTION	1	O	O	O	
8	AH64-01367A	KNOB-VOLUME	1	O	O	O	
9	AH67-00123A	LENS-VOLUME	1	O	O	O	
10	AH64-01358B	CABINET-TOP	1	O	O	O	
11	AH61-00766A	HOLDER-FOOT,F	2	O	O	O	
12	AH69-00503A	CUSHION-FOOT,F	2	O	O	O	
13	AH61-00777A	HOLDER-FOOT,B	2	O	O	O	
14	AH69-00503B	CUSHION-FOOT,B	2	O	O	O	
15	AH64-01357A	CABINET-BOTTOM	1	O	O	O	
16	AH61-00774A	HOLDER-PCB	4	O	O	O	
17	AH64-01359B	CABINET-REAR	1	O	-	-	europe
	AH64-01359C	CABINET-REAR	1	-	O	-	
	AH64-01359D	CABINET-REAR	1	-	-	O	
	AH64-01359E	CABINET-REAR	1	-	-	O	dual voltage
	AH64-01359H	CABINET-REAR	1	-	-	O	SEAU buyer
18	AH63-00303A	COVER-FAN	1	O	O	O	
A	6002-000126	SCREW-TAPPING ; FH 3*10 BLK	2	O	O	O	CABINET-FRONT + CABINET-BOTTOM
B	6003-000398	SCREW-TAP TITE ; BH 2S 3*6 YEL	3	O	O	O	CABINET-FRONT + CABINET-BOTTOM
			7				MAIN-PCB + CABINET-BOTTOM
			2				DVD-MECHA. + CABINET-BOTTOM
			4				HOLDER-FOOT + CABINET-BOTTOM
C	6003-000276	SCREW-TAP TITE ; BH M3*10 YEL	4	O	O	O	PANEL-FRONT + CABINET-FRONT
			15	O	O	O	CABINET-REAR + JACK
D	AH60-10107A	SCREW-TAP TITE ; M4*6 YEL	4	O	O	O	POWER-TRANS + CABINET-BOTTOM
E	AH60-10020D	SCREW-TAP TITE ; RH 2.6*8 YEL	9	O	O	O	CABINET-FRONT + PCB-FRONT
F	6003-000278	SCREW-TAP TITE ; BH 3*14 YEL	3	O	O	O	MAIN-PCB + CABINET-BOTTOM

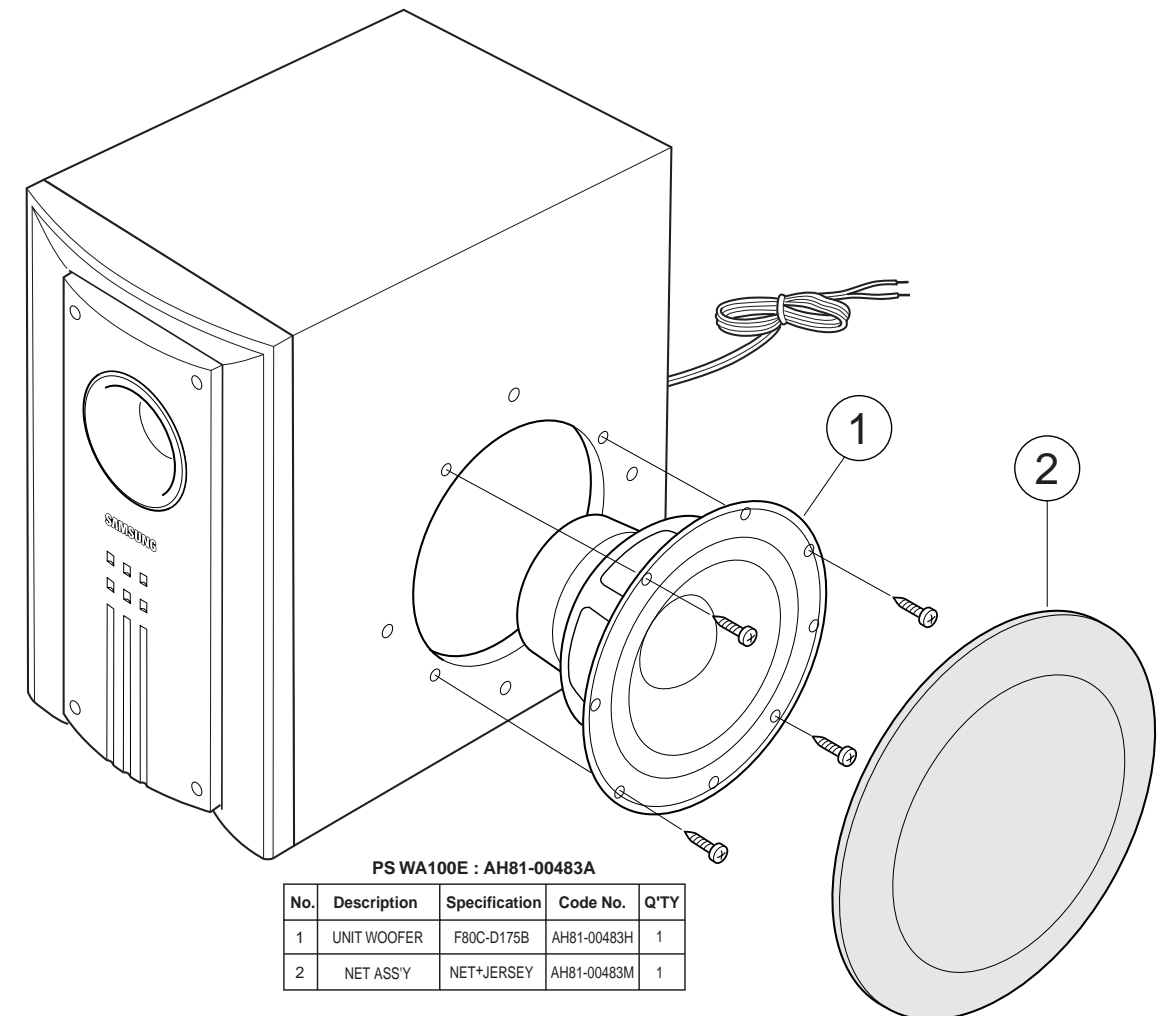
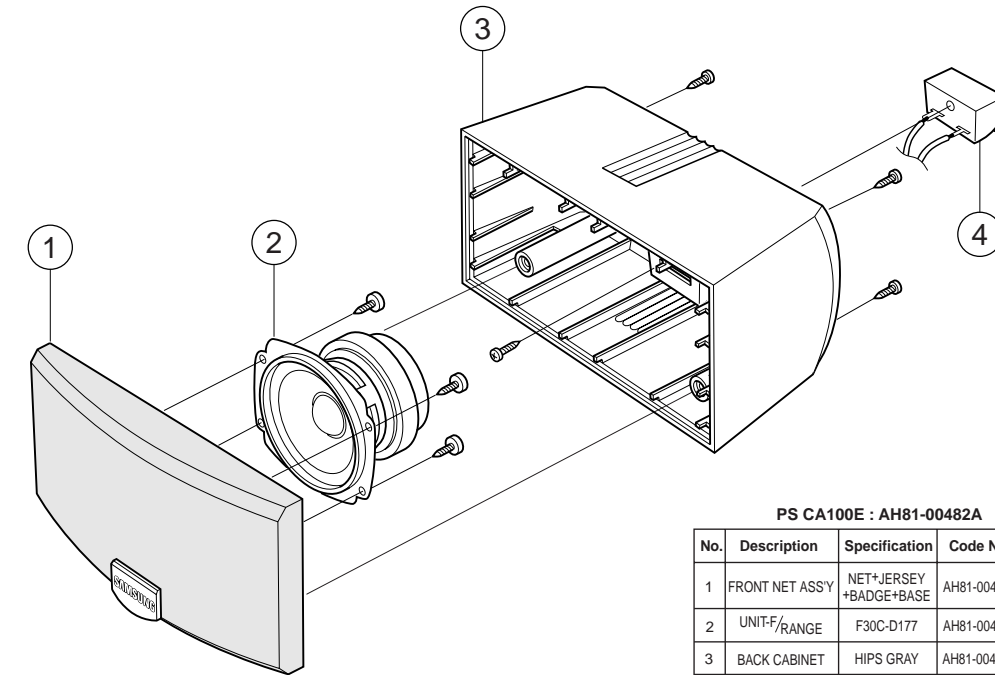
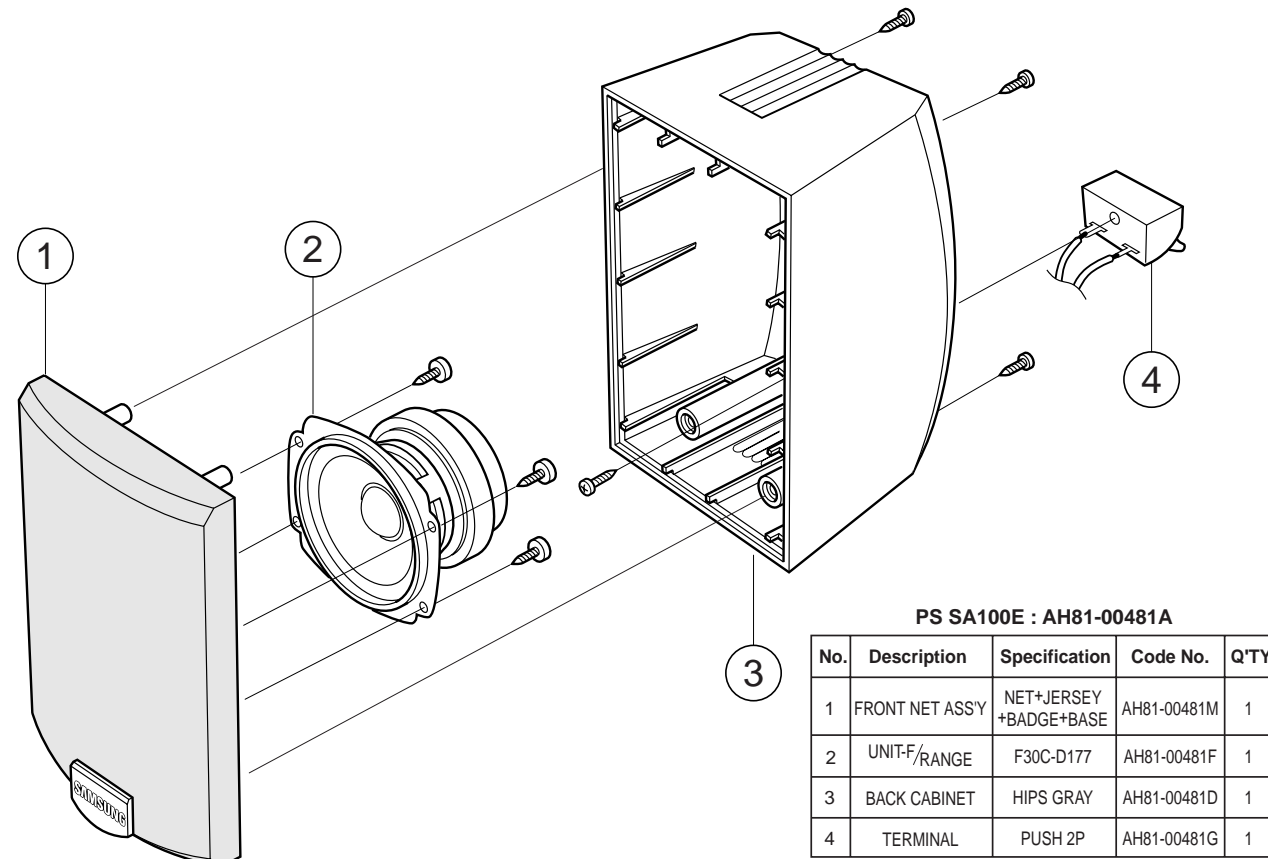
## 2-2 MECHA Exploded View and Parts list



No.	Code No.	Description ;	Specification	Q'TY
	AH97-00822A	DVD MECHA	CMS-D100	
1	AH61-00746A	BASE-MAIN	ABS BLK	1
2	AH63-00294A	TRAY-DISC	ABS D/GRAY	1
3	AH66-00159A	LEVER-LIFT	ABS BLK	1
4	AH66-00160A	PULLEY-MOTOR	POM WHT	1
5	AH66-00161A	GEAR-PULLEY	TPE WHT	1
6	AH66-00162A	GEAR-MIDDLE	TPE WHT	1
7	AH66-00163A	GEAR-TRAY	POM WHT	1
8	AH66-00164A	CLAMPER-UPPER	POM WHT	1
9	AH66-00165A	CLAMPER-LOWER	POM WHT	1
10	AH61-00747A	BRACKET-CHUCK	SECC t1.0	1
11	AH66-00166A	SLIDE-CAM	POM WHT	1
12	AH31-00030A	MOTOR-DC	RF-300CA-11440	1
13	AH41-00352A	PCB-SWITCH	26.5*21.6	1
14	AH66-00167A	BELT-PULLEY	CR 1.5	1
15	3409-001119	SWITCH-DETECTOR	JDS2200	1
16	AH59-00130A	DVD DECK	CMS-S21MG6	1
17	6001-001257	SCREW-MACHINE	1.7*3(W4.5)	2
18	AJ60-10001A	SCREW-TAP	2*5(W7)	6
19	6003-001210	SCREW-TAP	2.6*6(W12)	5
20	AH73-00025B	RUBBER-CD	BUTYL 15	4
21	AH61-00958A	BRACKET-GUIDE	SECC 1.0t	1
22	6003-000283	SCREW-TAP	3*8	2
23	6003-000276	SCREW-TAP	3*10	4
24	AH61-00828A	HOLDER-PCB	ABS BLK	1

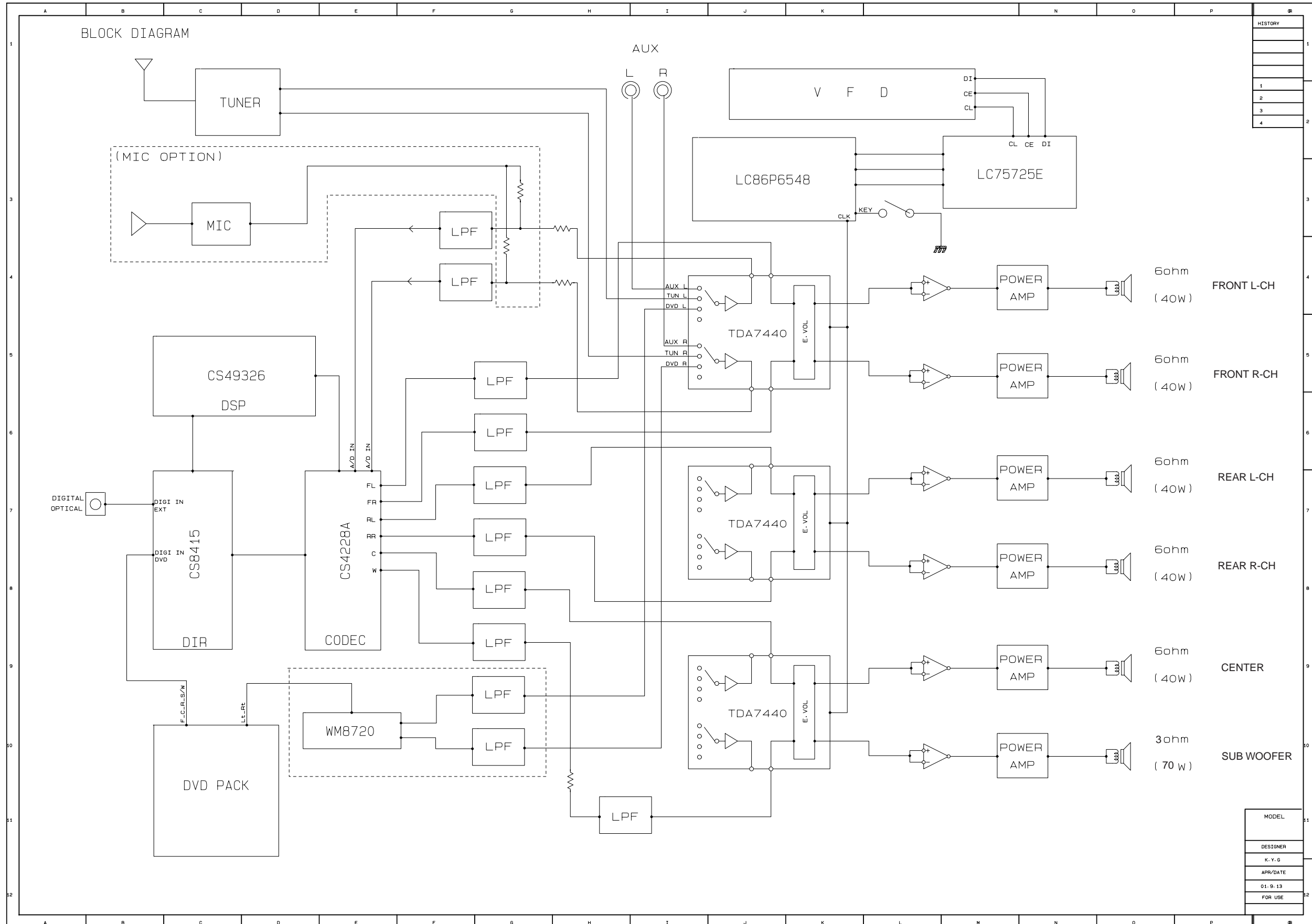
## 2-3 SPEAKER Exploded View and Parts list

\* CAUTION : It is used the bonding, connet NET FRAME(or FRONT PANEL ASS'Y) to CABINET ASS'Y.  
So when the disassembly, take extreme care not to damage the SPEAKER.



# 4. Block Diagram

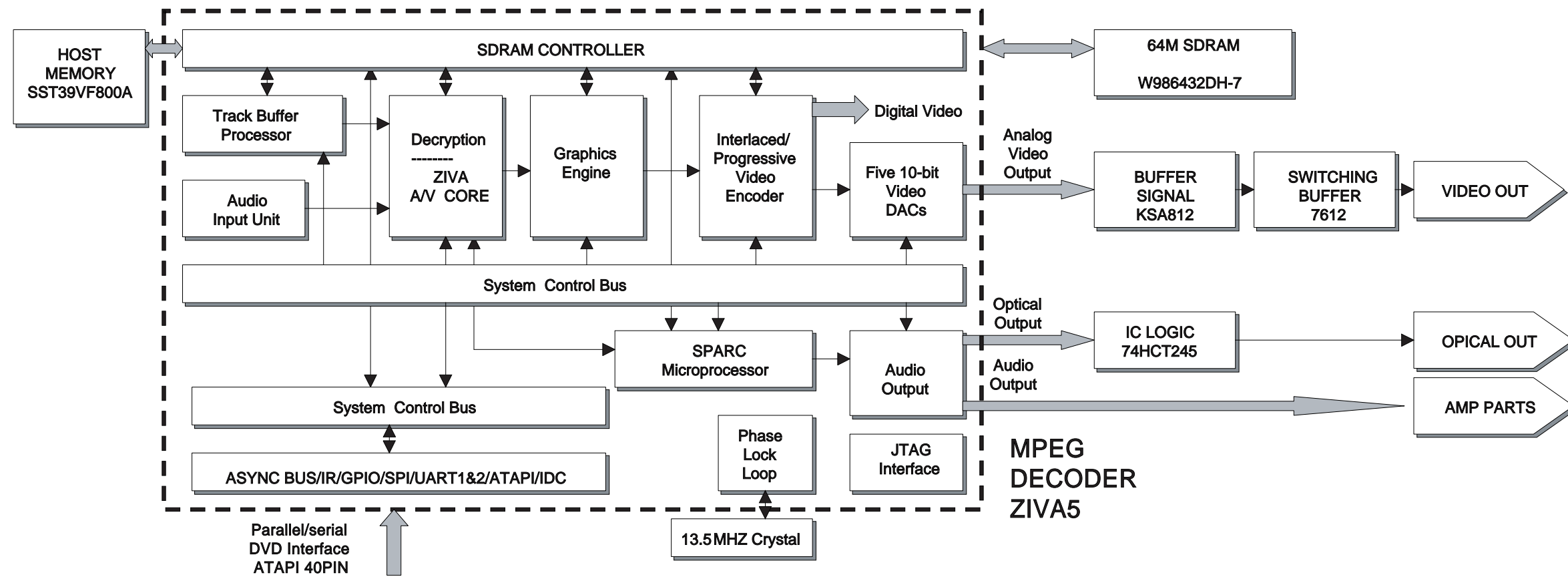
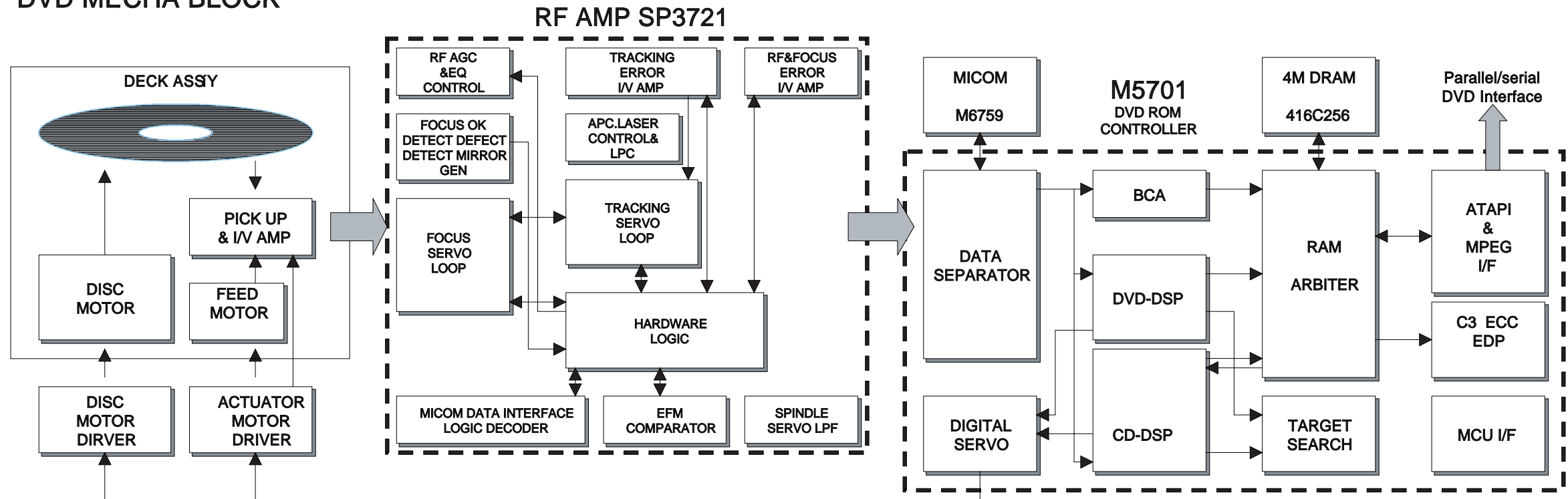
## 4-1 MAIN Part



HISTORY	
1	
2	
3	
4	

MODEL
DESIGNER
K. Y. G
APPR/DATE
01.9.13
FOR USE

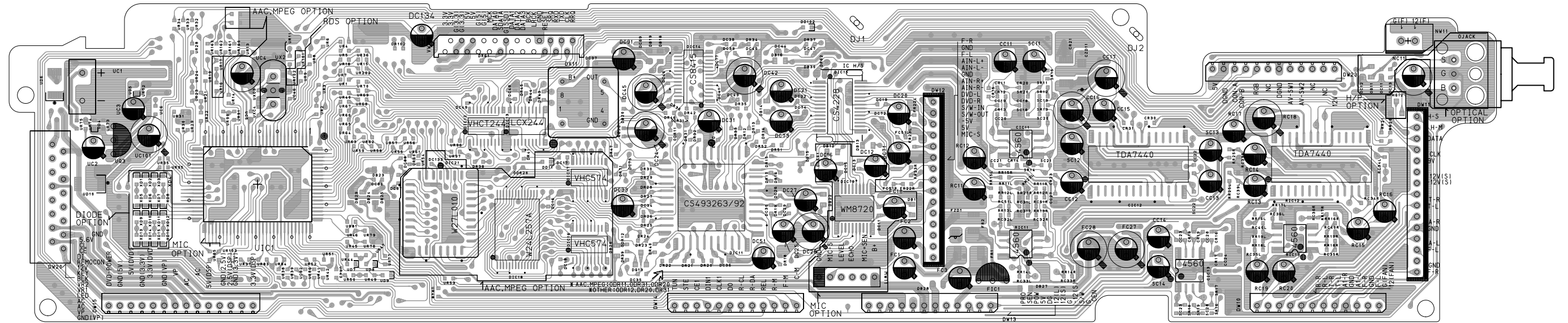
DVD MECHA BLOCK



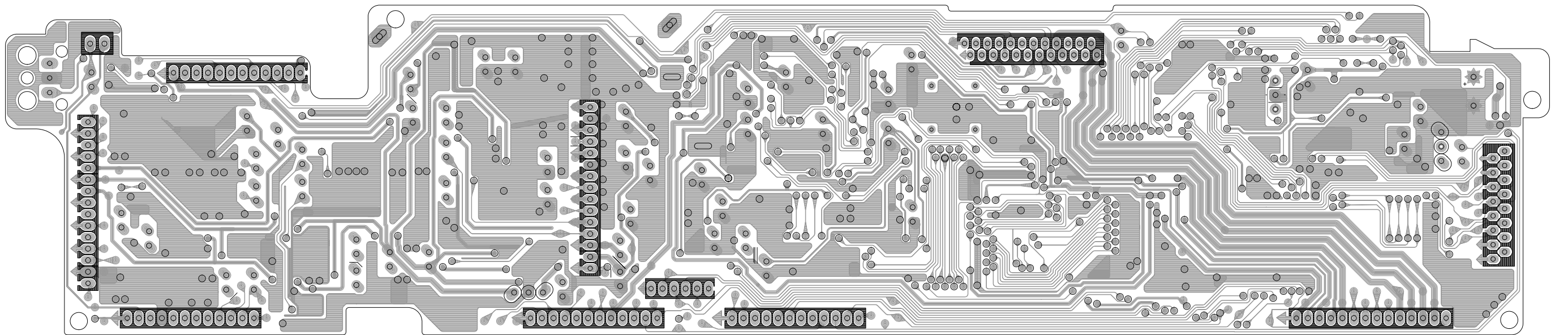
# 5. Printed Circuit Board Diagram

## 5-1 DSP1

\* TOP VIEW

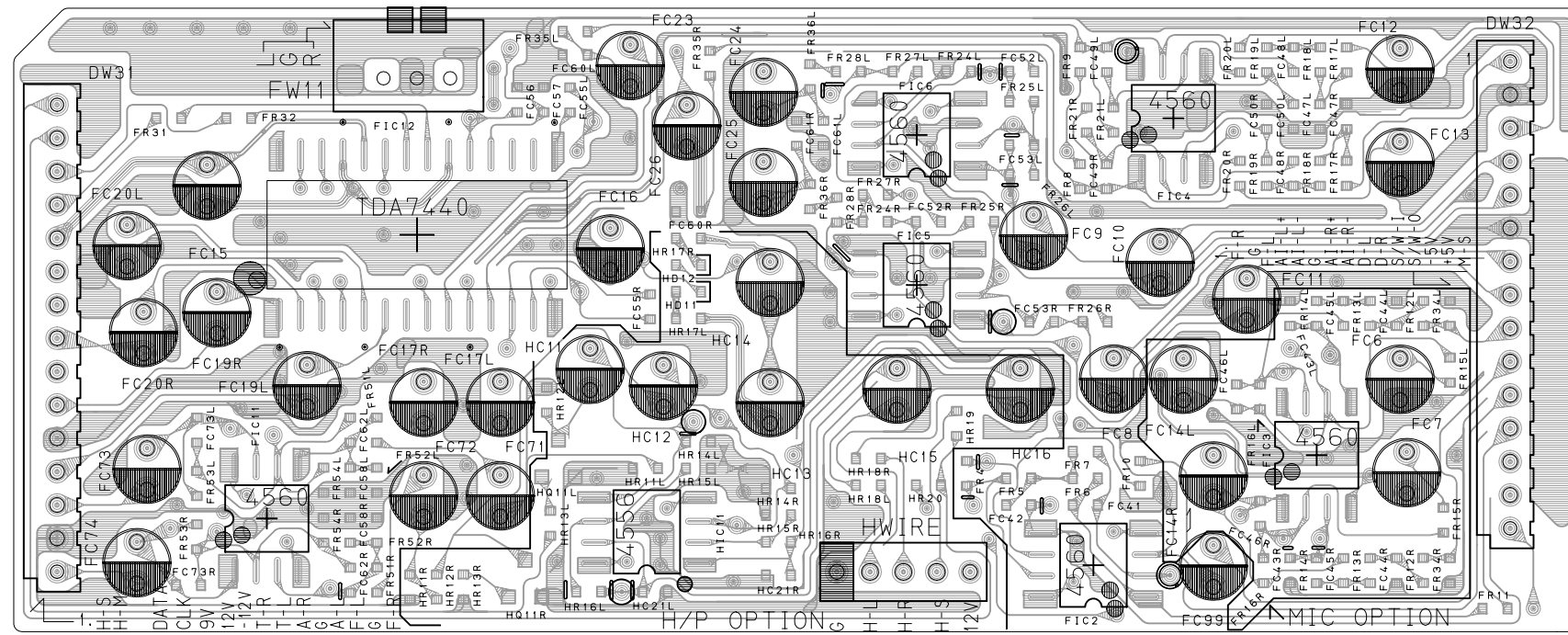


\* BOTTOM VIEW

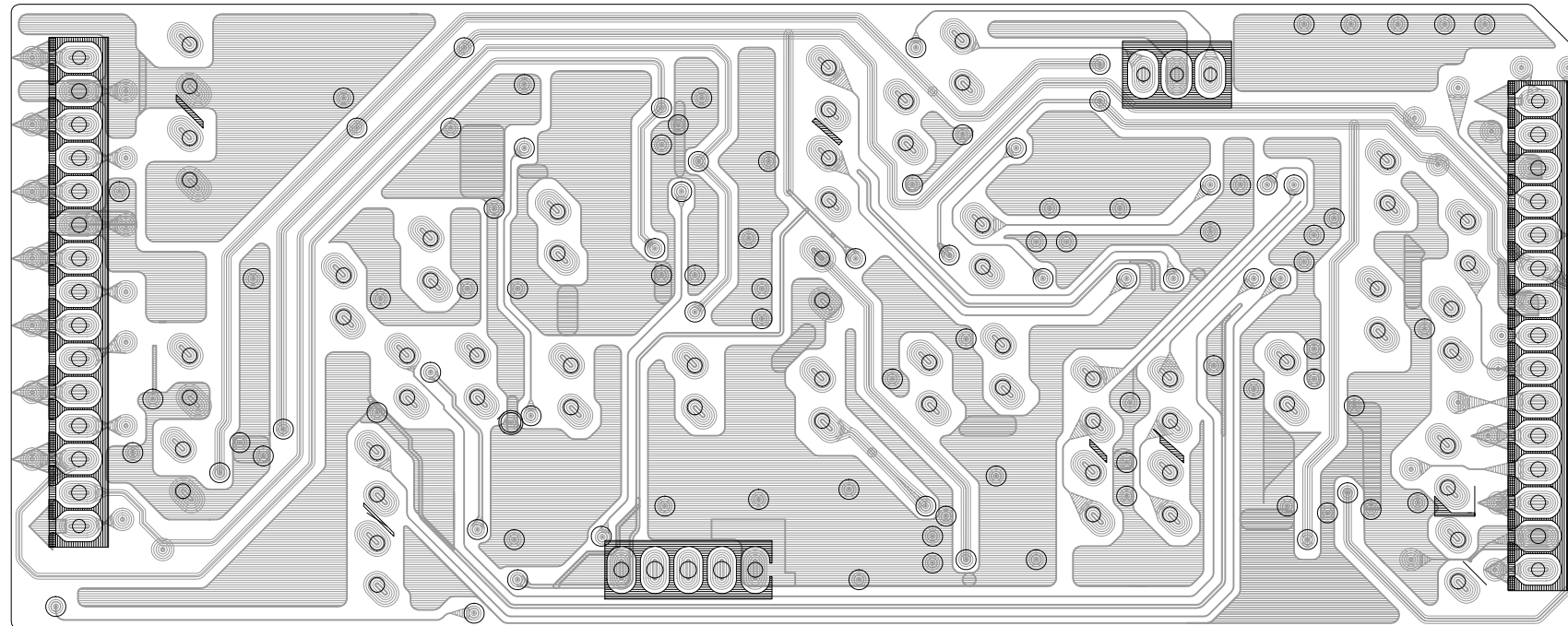


## 5-2 DSP2

\* TOP VIEW

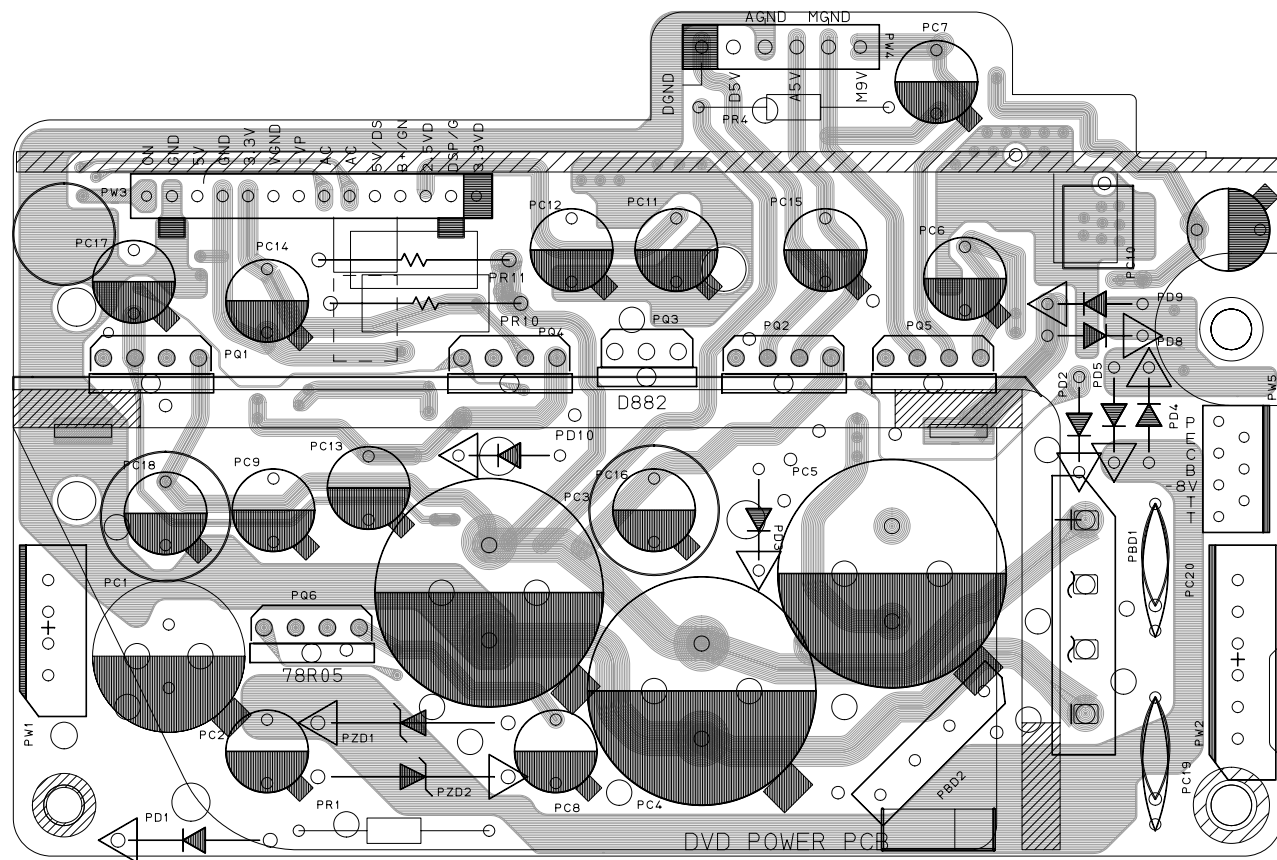


\* BOTTOM VIEW

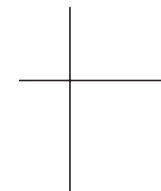
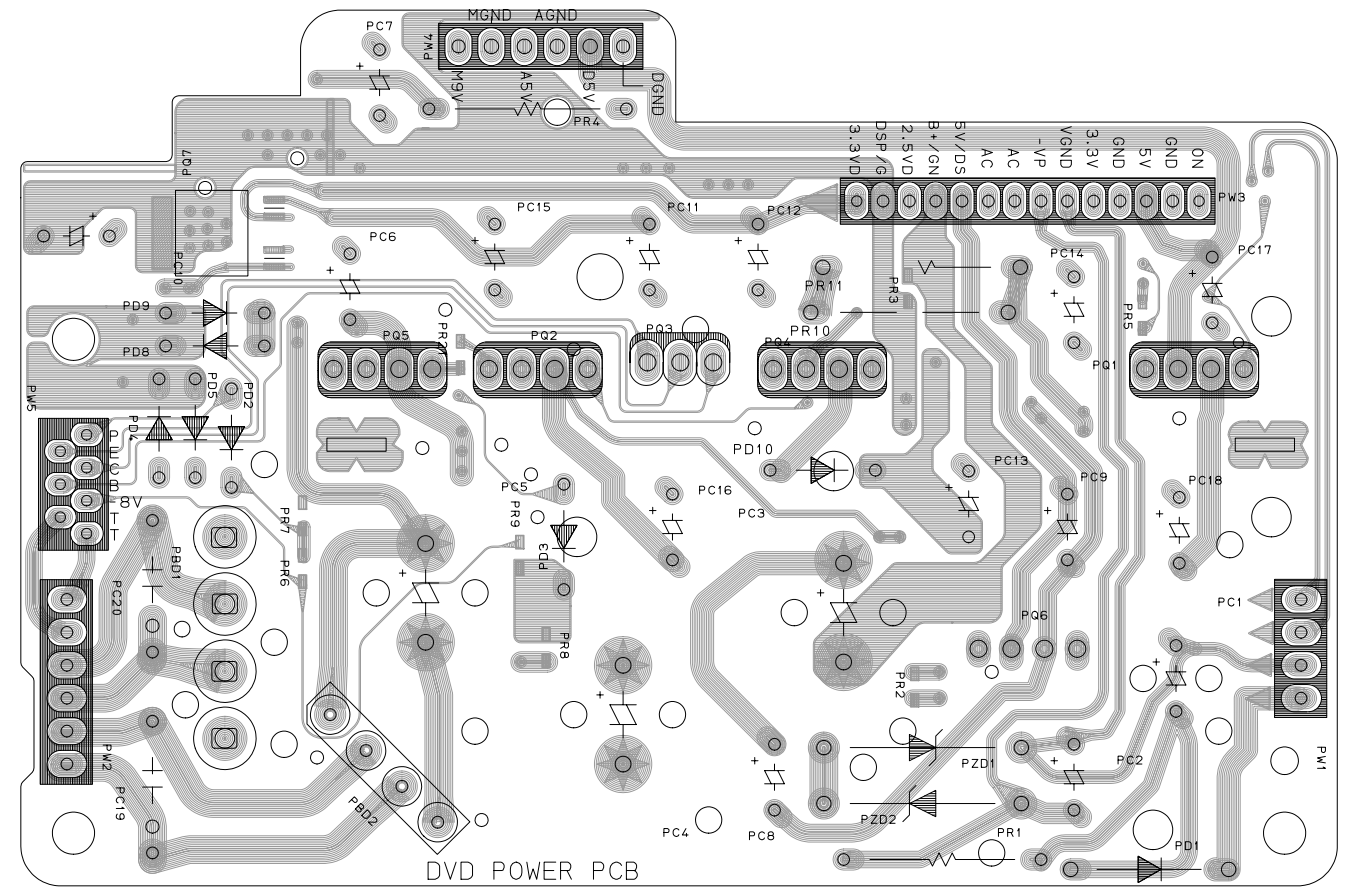


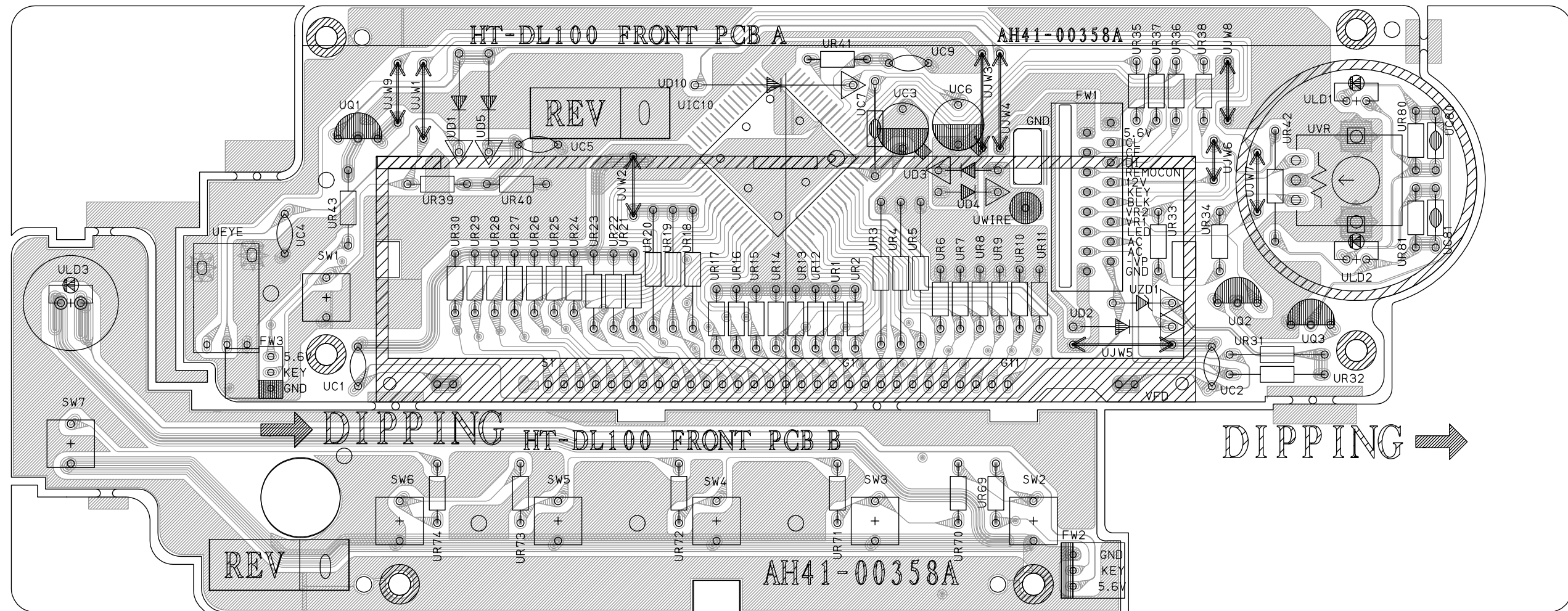
# 5-3 DVD POWER

\* TOP VIEW

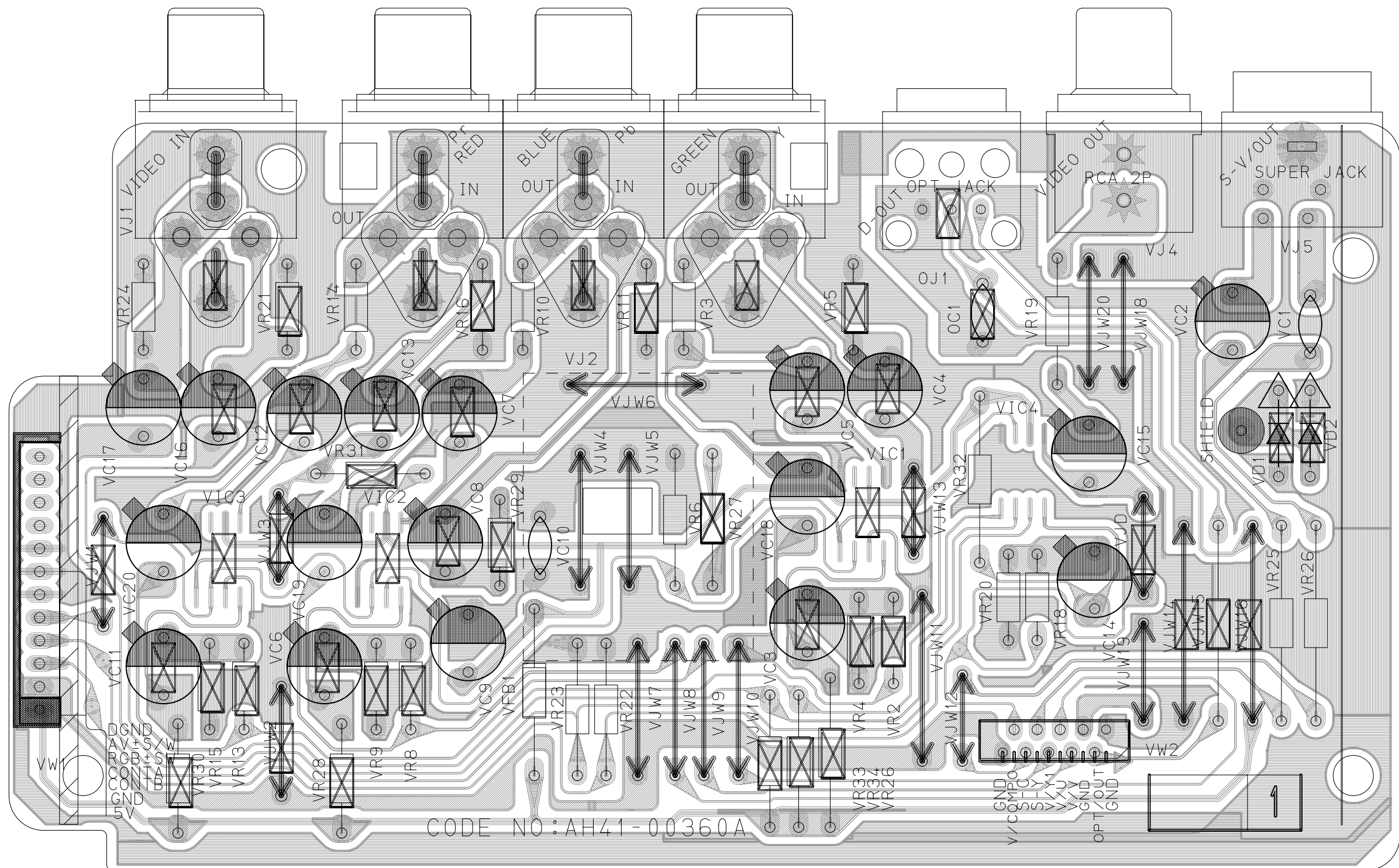


\* BOTTOM VIEW



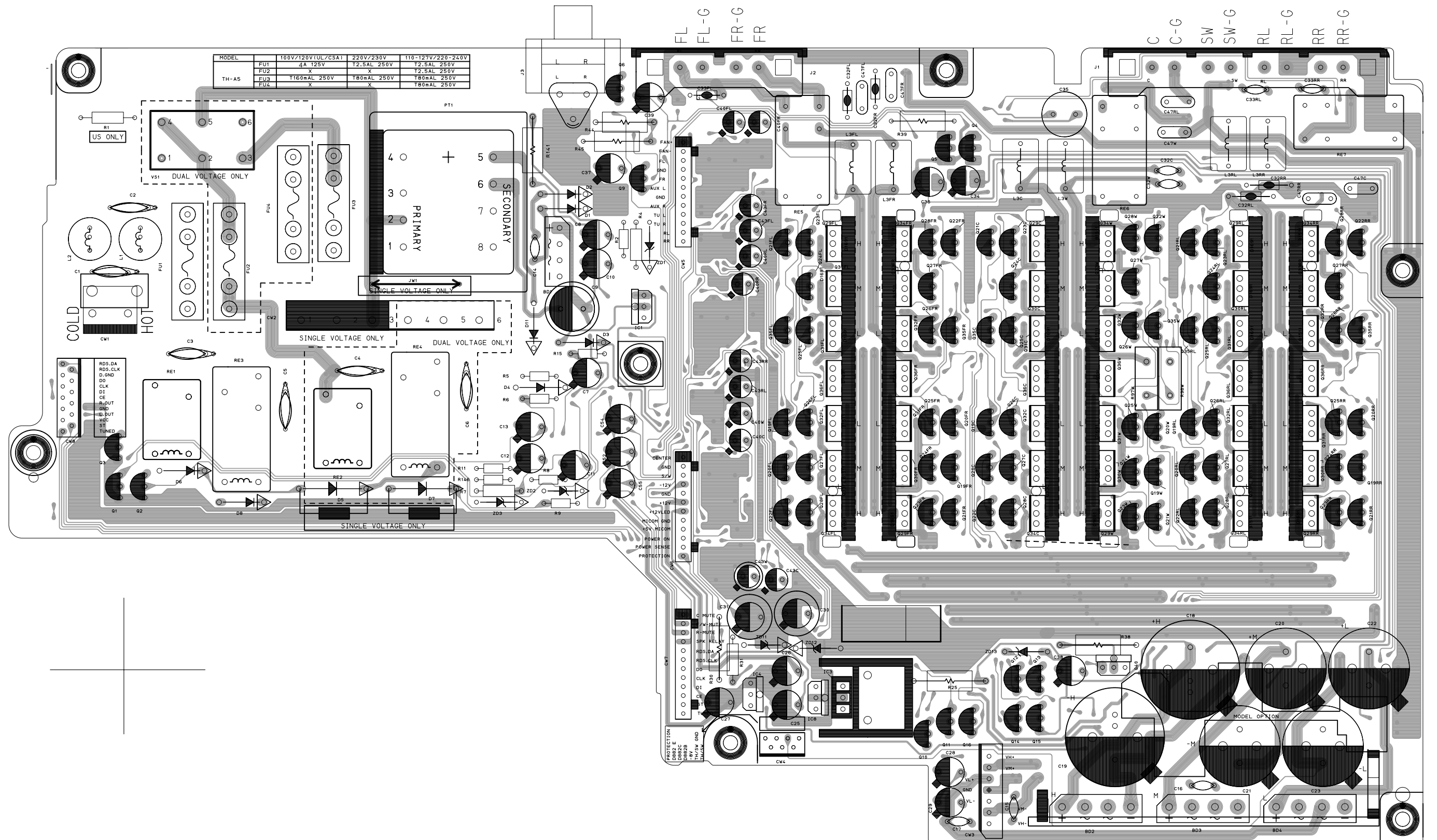




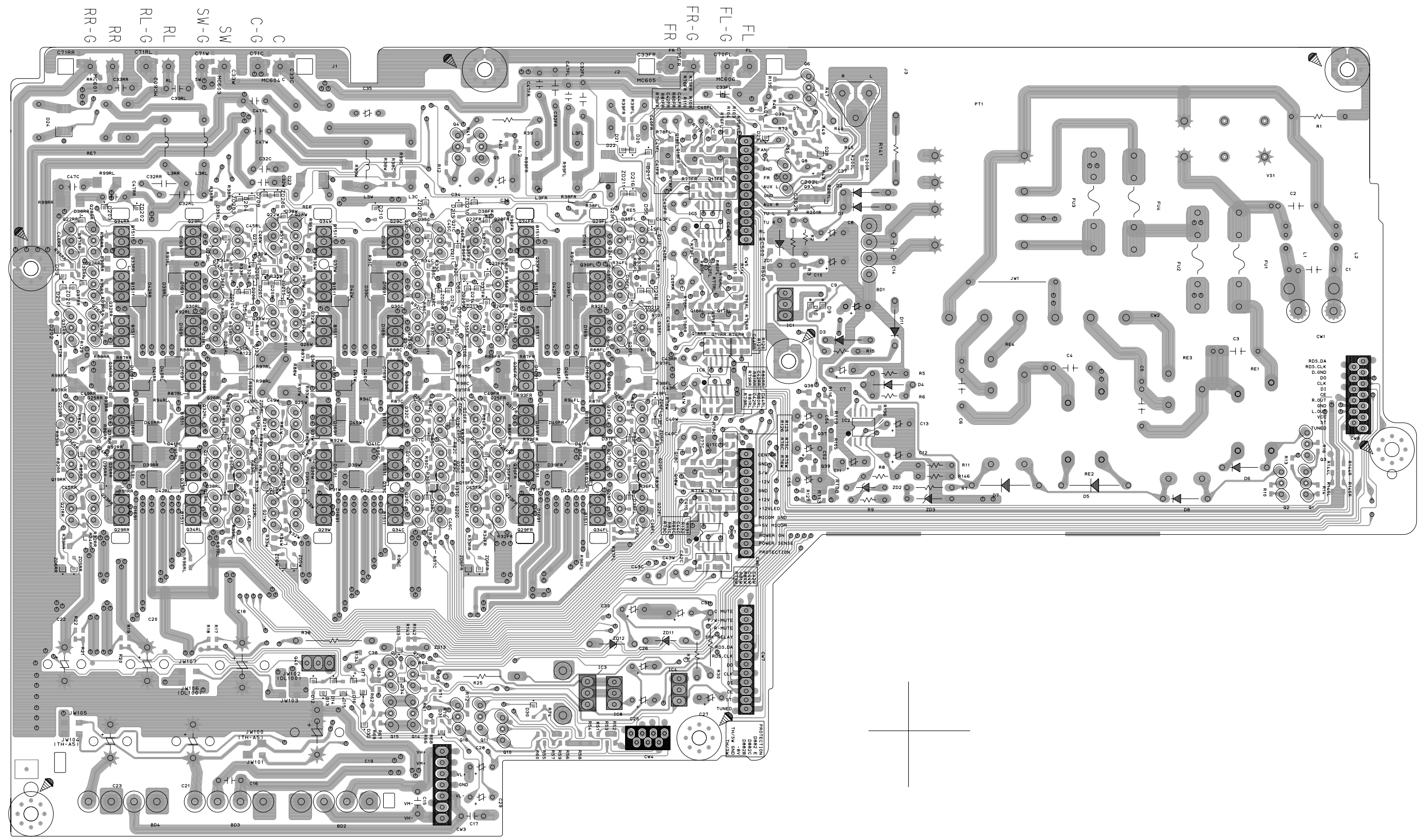


# 5-8 MAIN

\* TOP VIEW

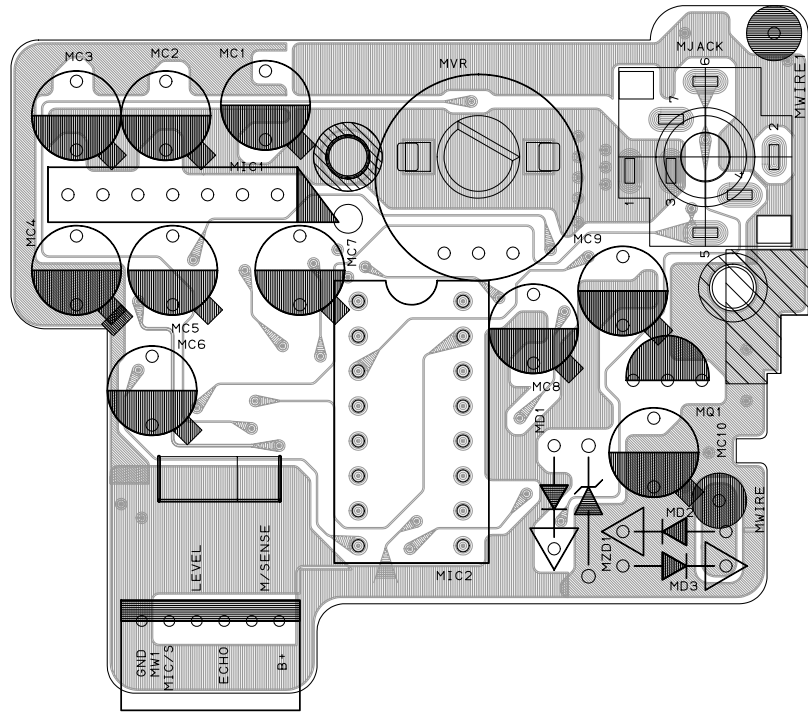


\* BOTTOM VIEW

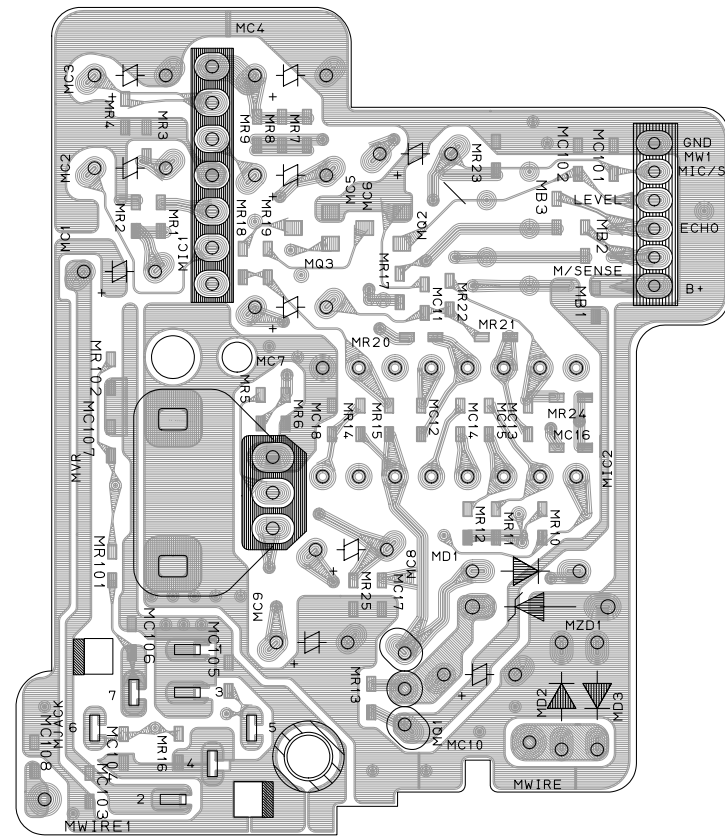


# 5-9 MICRO PHONE

\* TOP VIEW



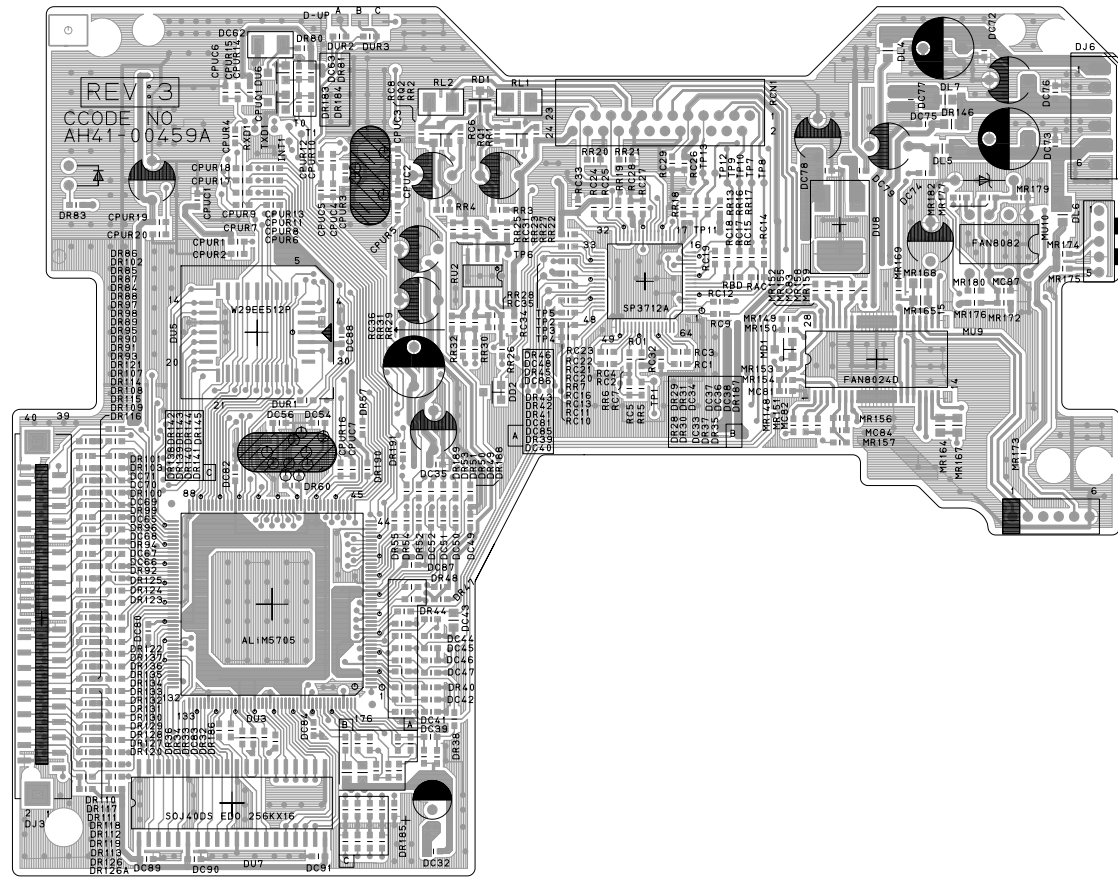
\* BOTTOM VIEW



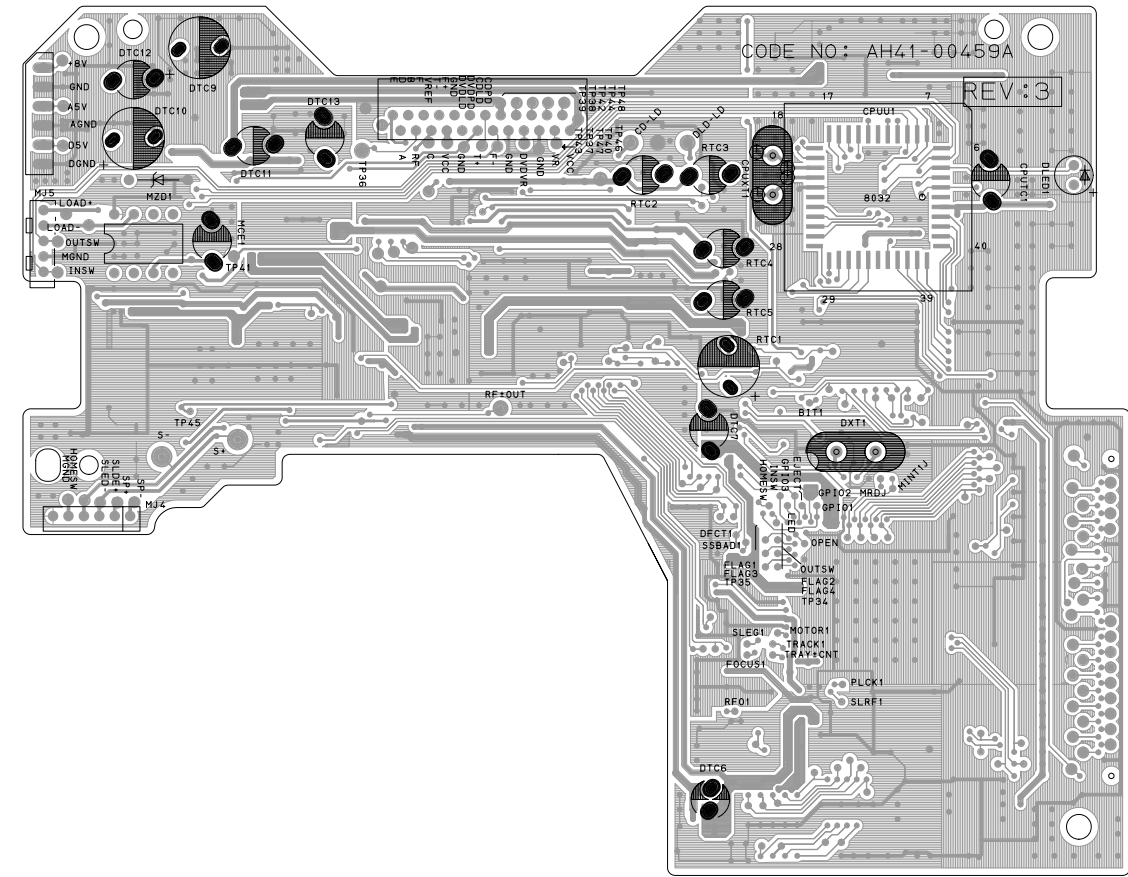


# 5-12 DVD LOADER (VERSION 2)

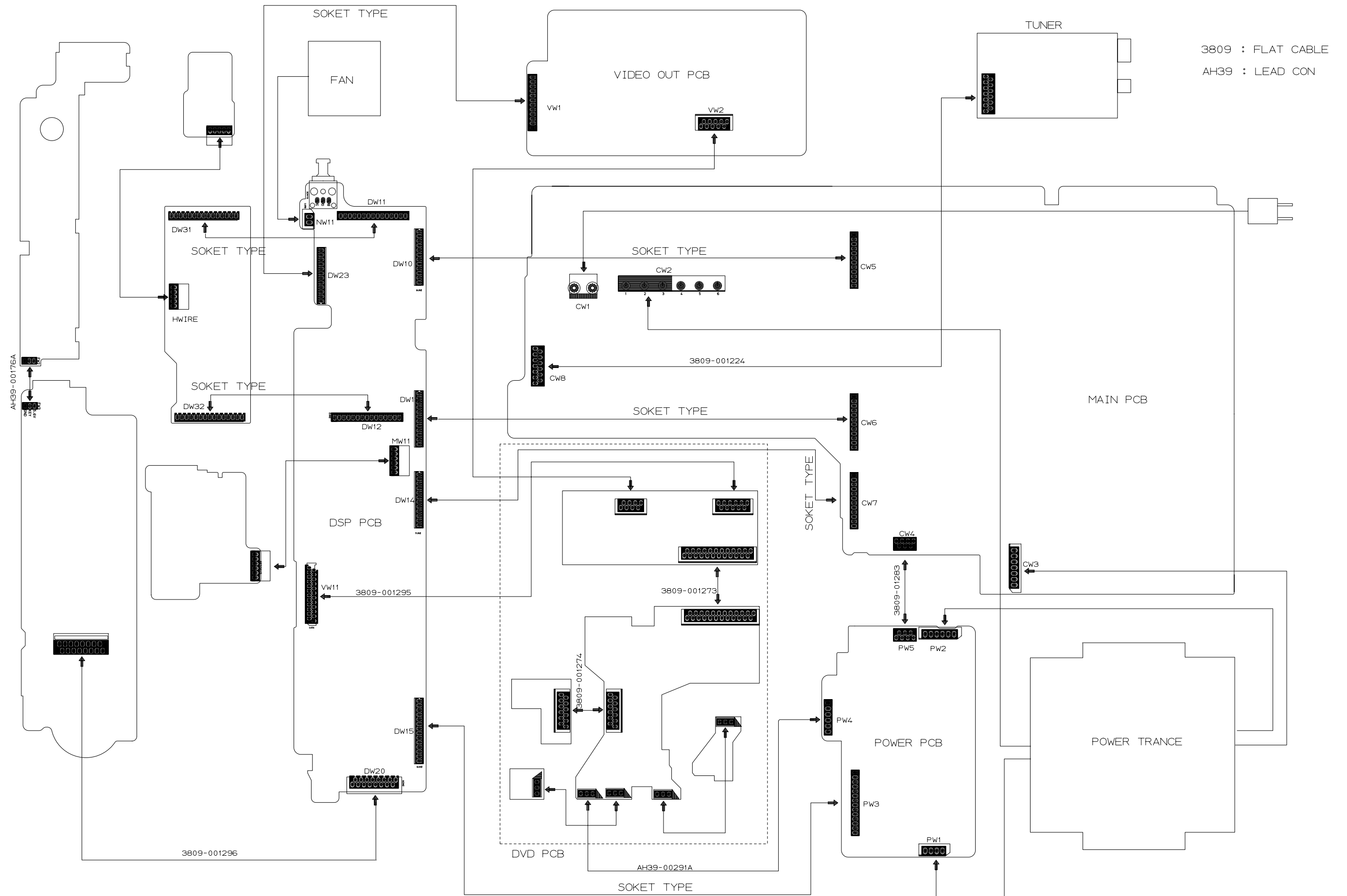
\* TOP VIEW



\* BOTTOM VIEW

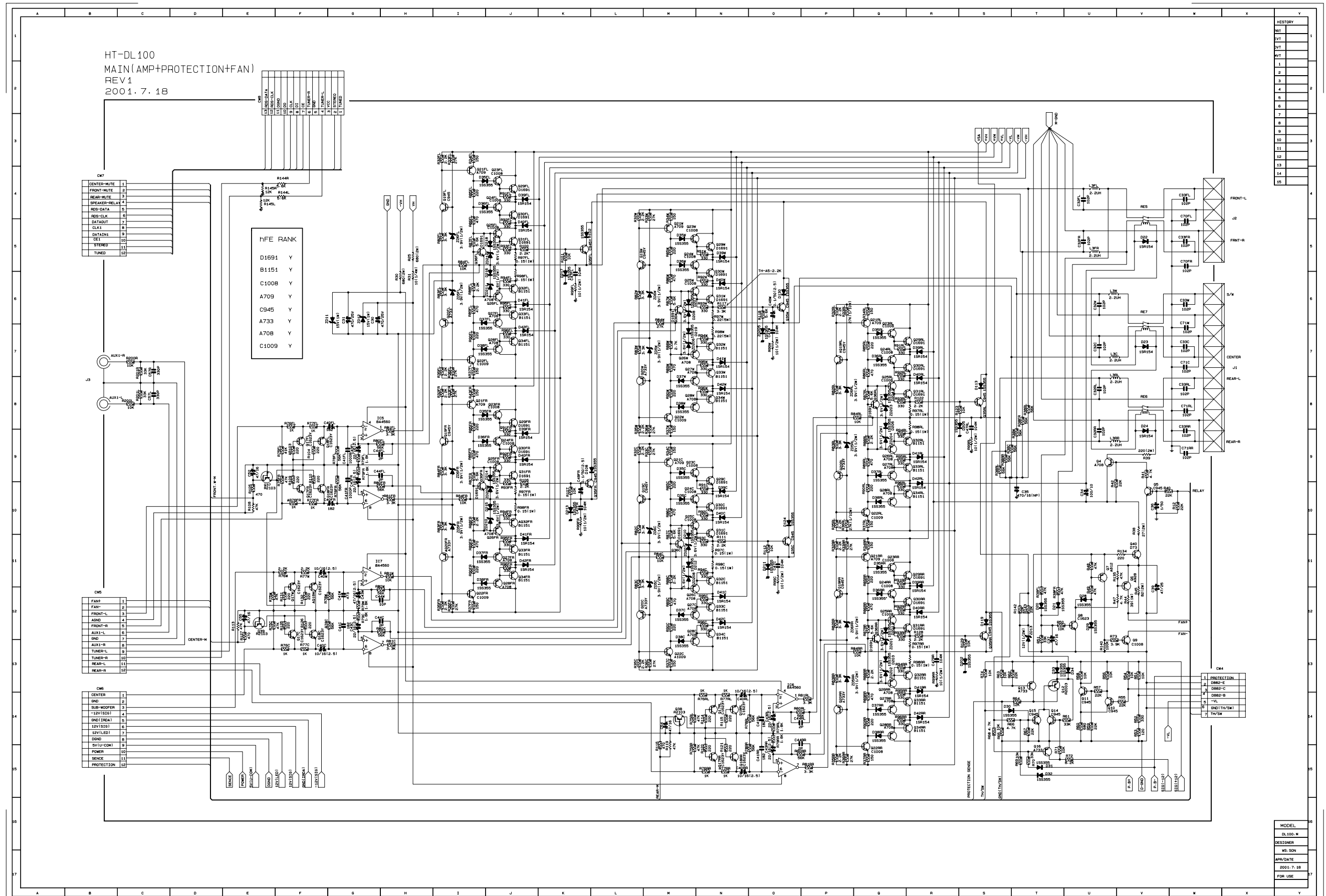


# 6. Wiring Diagram

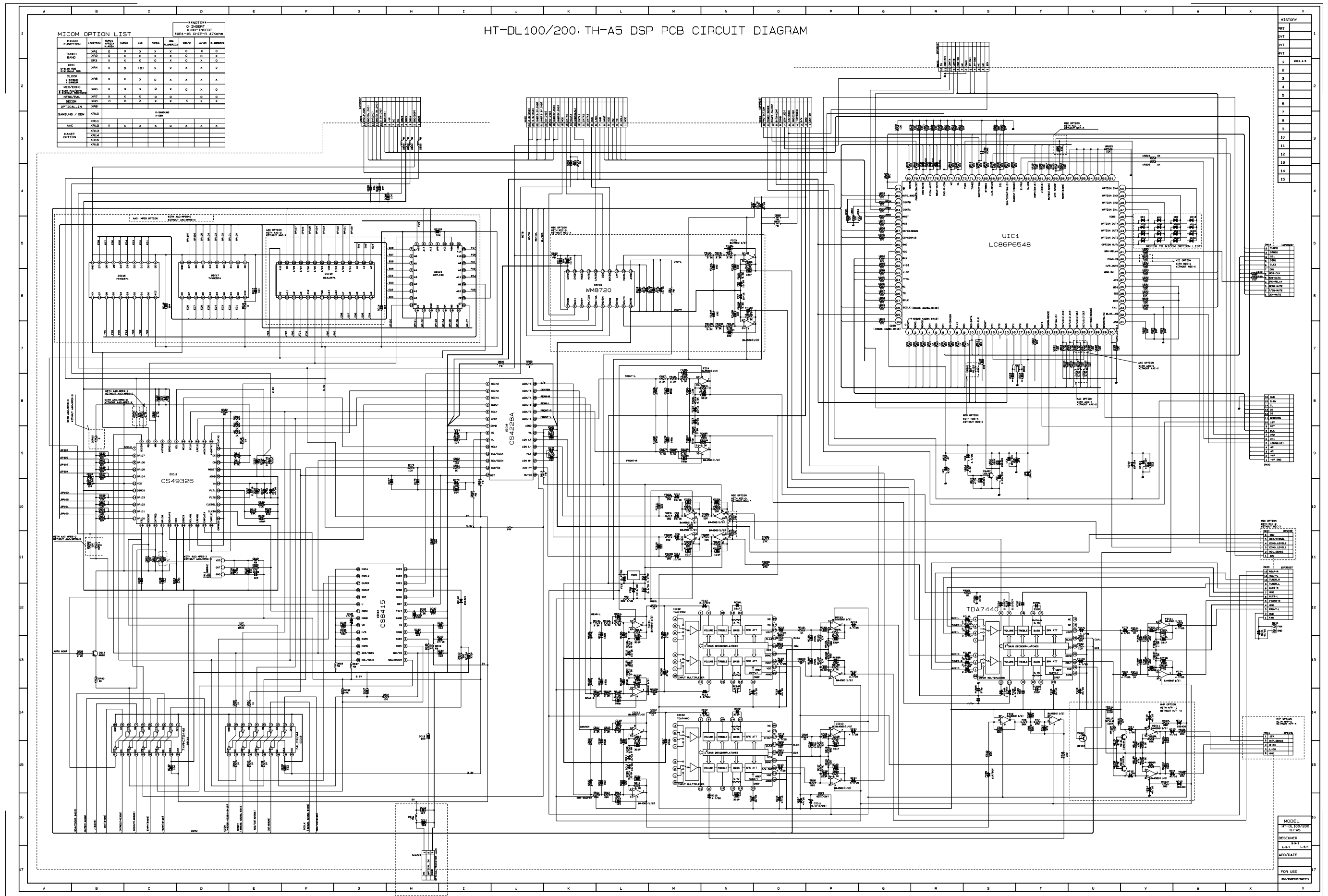


# 7. Schematic Diagram

## 7-1 DVD Main(AMP/PROTECTION/FAN)



HT-DL100/200, TH-A5 DSP PCB CIRCUIT DIAGRAM



MICCOM OPTION LIST

MICCOM FUNCTION	LOCATION	OPTION	CS49326	CS4228A	CS8415	WMS720	UIC1	TDA7440
FILTER BAND	XR1	D	X	X	X	X	X	X
	XR2	D	X	X	X	X	X	X
	XR3	X	X	D	X	X	X	X
NON-REVERSE	XR4	X	D	D	X	X	X	X
CLIP	XR5	X	X	X	X	X	X	X
CLIP	XR6	X	X	X	X	X	X	X
CLIP	XR7	X	X	X	X	X	X	X
CLIP	XR8	X	X	X	X	X	X	X
CLIP	XR9	X	X	X	X	X	X	X
CLIP	XR10	X	X	X	X	X	X	X
CLIP	XR11	X	X	X	X	X	X	X
CLIP	XR12	X	X	X	X	X	X	X
CLIP	XR13	X	X	X	X	X	X	X
CLIP	XR14	X	X	X	X	X	X	X
CLIP	XR15	X	X	X	X	X	X	X
CLIP	XR16	X	X	X	X	X	X	X

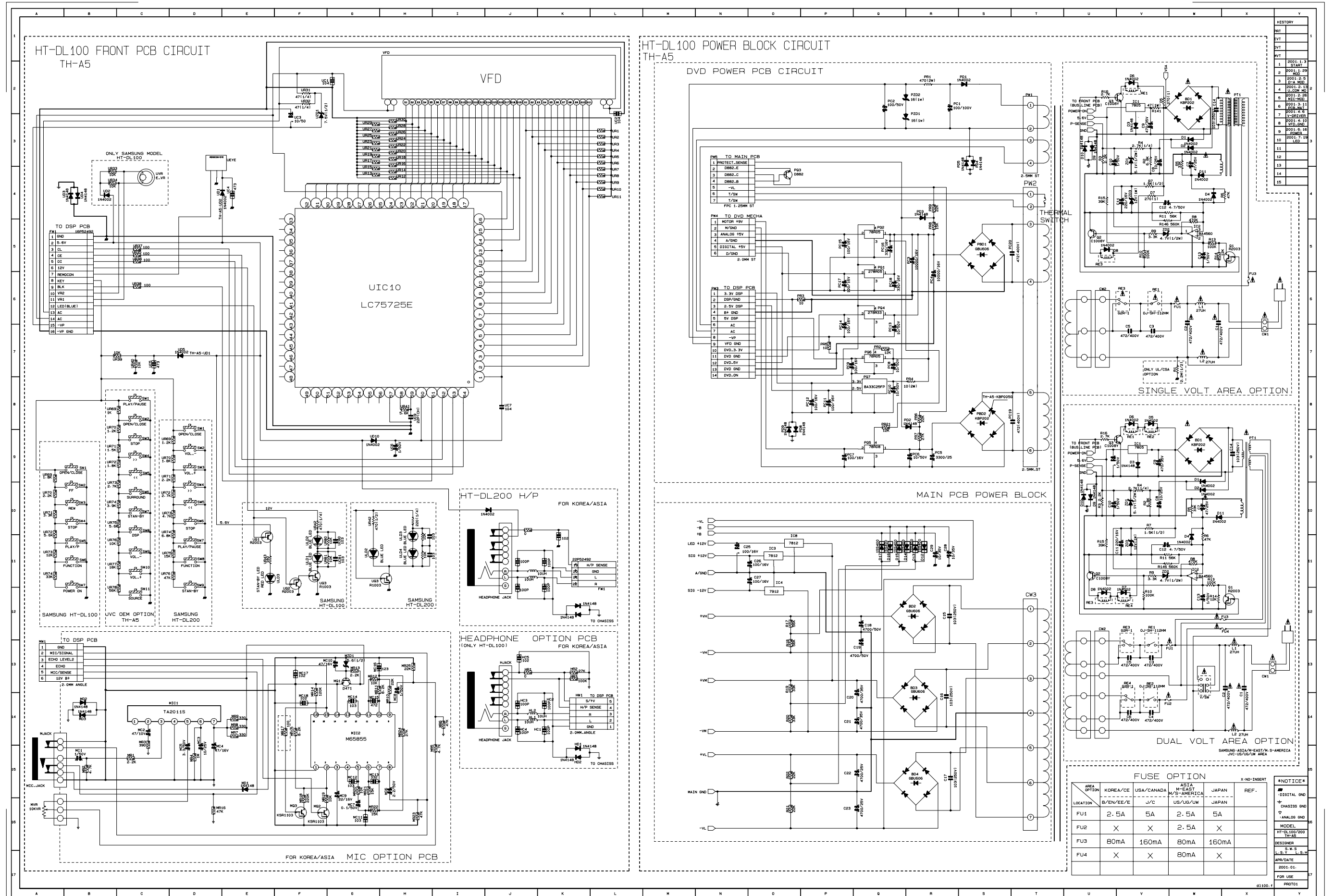
HISTORY

REV	1
DATE	
BY	
CHKD	
APP'D	
DATE	
BY	
CHKD	
APP'D	
DATE	
BY	
CHKD	
APP'D	
DATE	
BY	
CHKD	
APP'D	
DATE	

MODEL

HT-DL100/200	
TH-A5	
DESIGNER	L.S.T.
DATE	
APP'D	
DATE	
FOR USE	

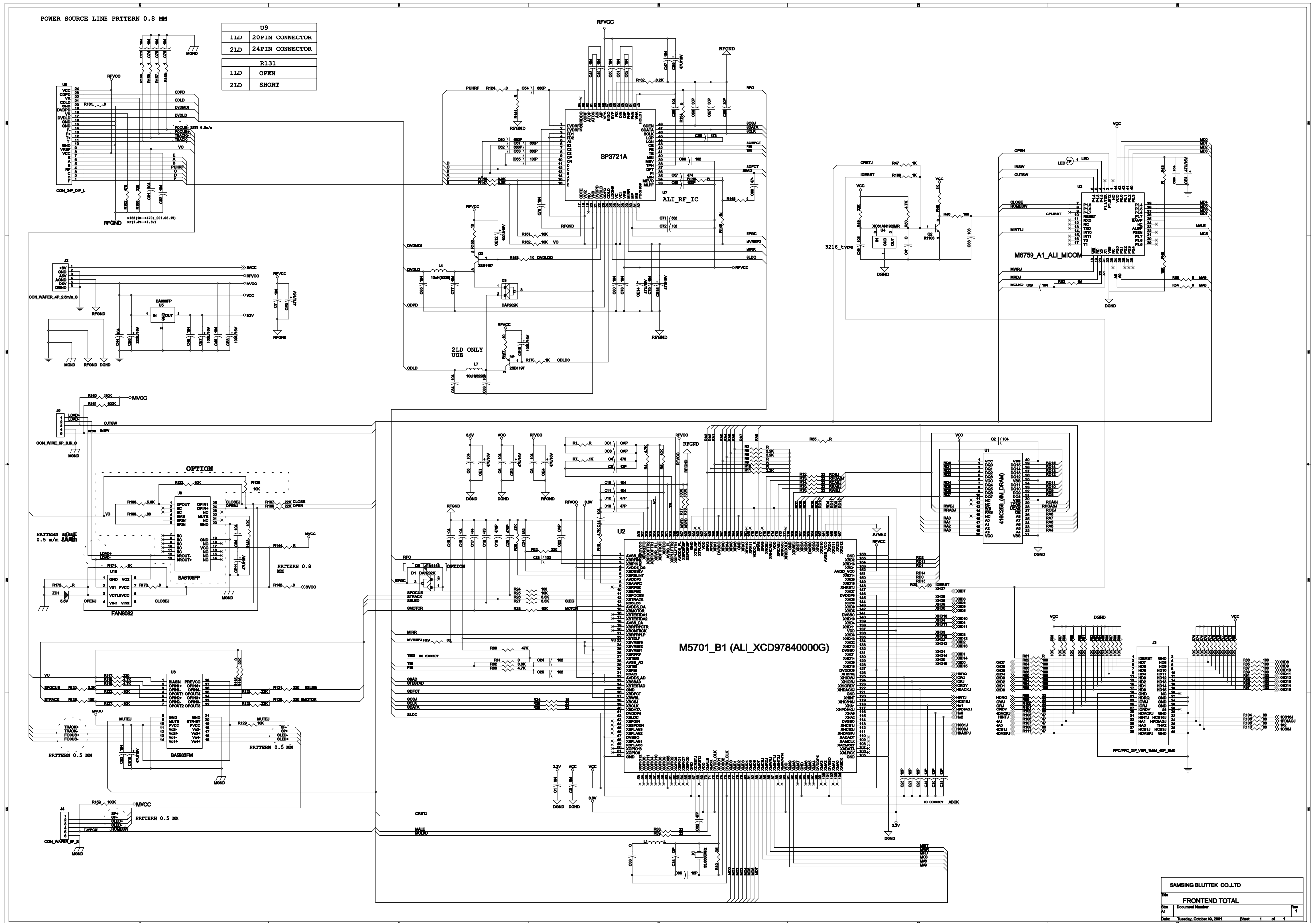
# 7-3 FRONT/POWER/HEADPHONE/MIC



REV	DATE	DESCRIPTION
1	2001.1.3	START
2	2001.1.29	REVISED
3	2001.2.5	REVISED
4	2001.2.13	REVISED
5	2001.2.28	REVISED
6	2001.3.11	REVISED
7	2001.4.6	REVISED
8	2001.4.10	REVISED
9	2001.6.18	REVISED
10	2001.7.19	REVISED
11		
12		
13		
14		
15		

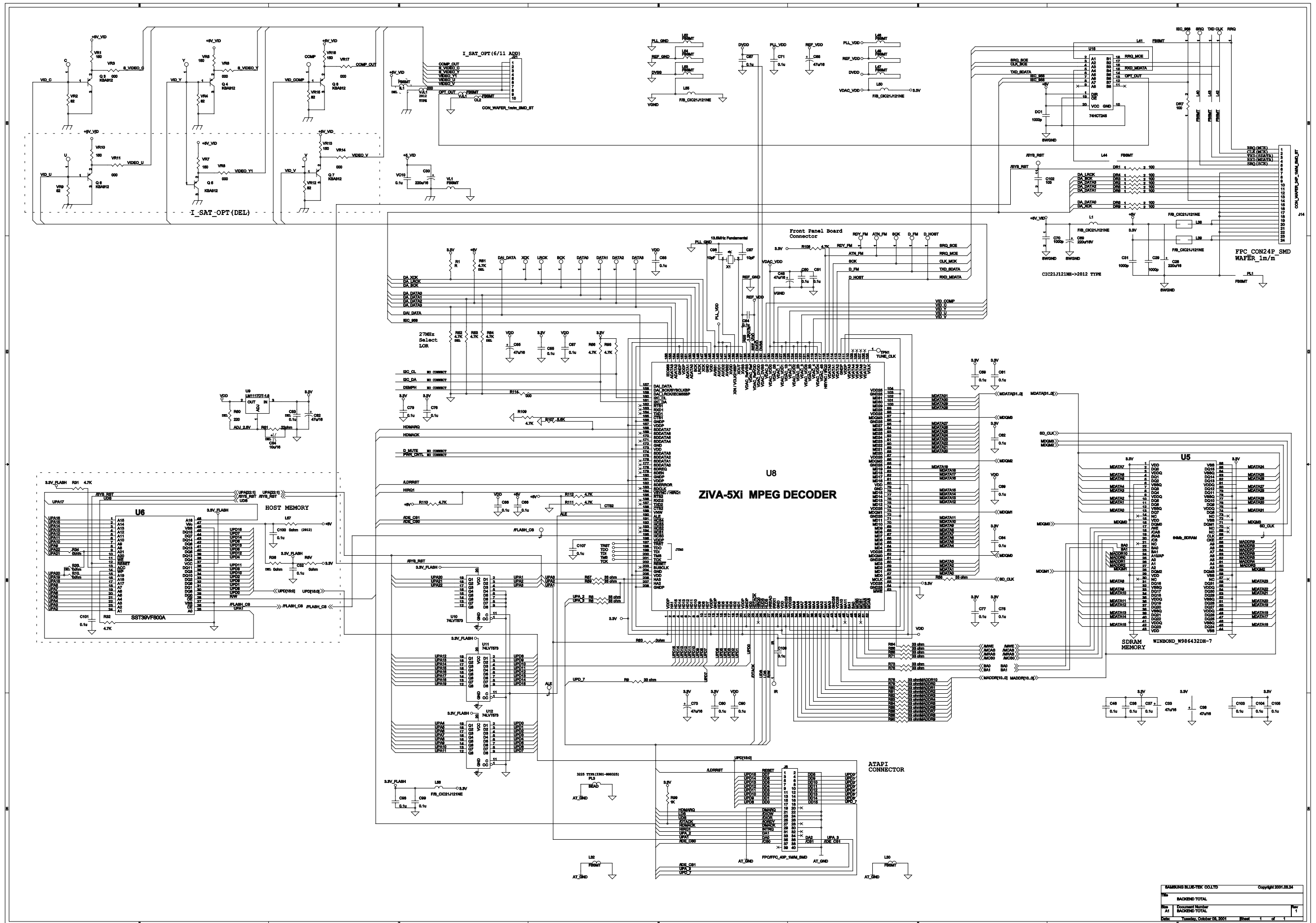
AREA OPTION	KOREA/CE	USA/CANADA	ASIA M/SE-AMERICA	JAPAN	REF.
FU1	2.5A	5A	2.5A	5A	
FU2	X	X	2.5A	X	
FU3	80mA	160mA	80mA	160mA	
FU4	X	X	80mA	X	

# 7-4 DVD LOADER(VERSION 1)



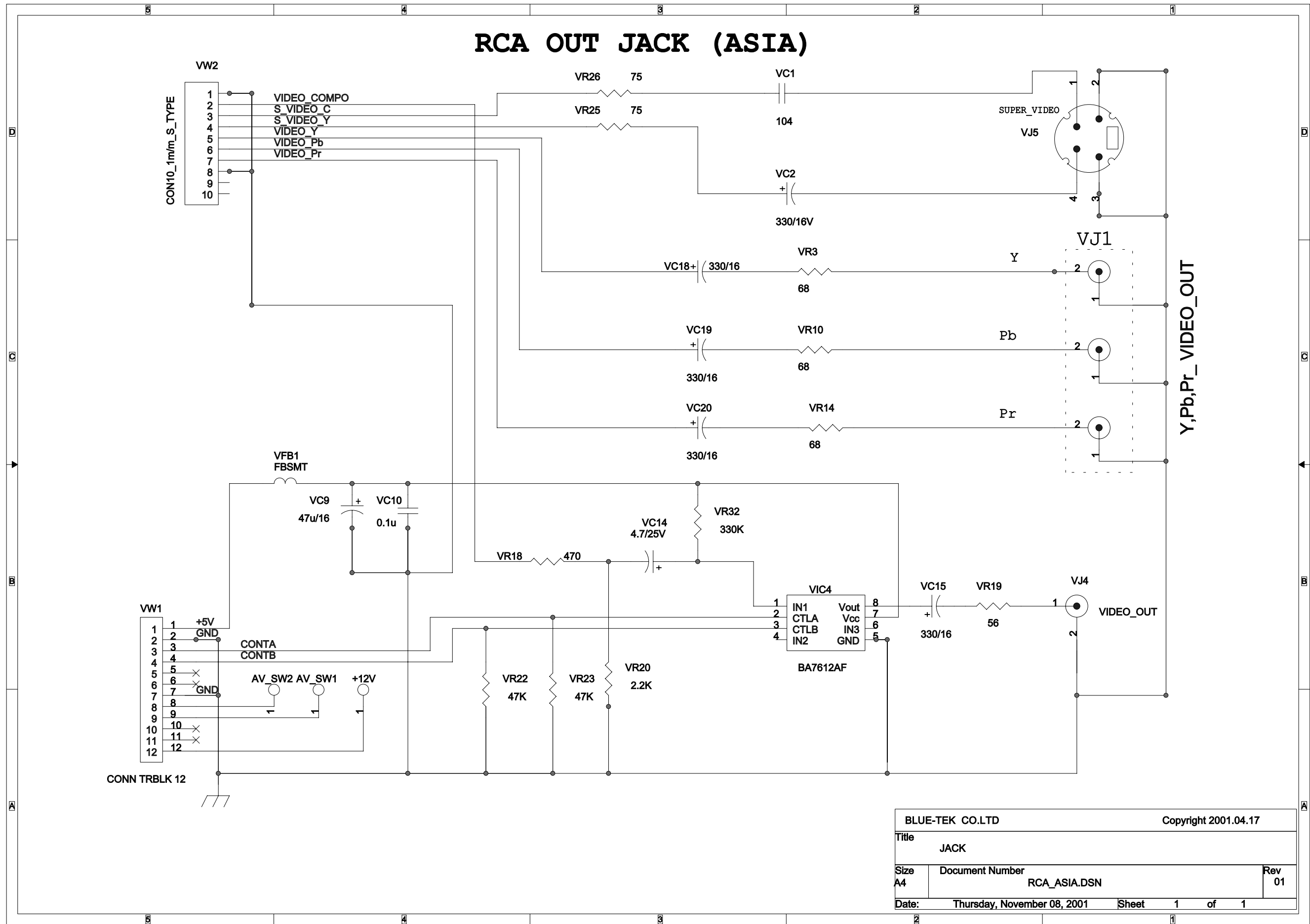
SAMSUNG BLUTTEK CO.,LTD	
File	FRONTEND TOTAL
Rev	Document Number
Part	Number, October 26, 2001





SAMSUNG BLUE-TEK CO., LTD.		Copyright 2001.08.31
Rev	BACKEND TOTAL	
Rev A1	Document Number	7-6
BACKEND TOTAL		1
Date: Tuesday, October 09, 2001 10:00 AM		

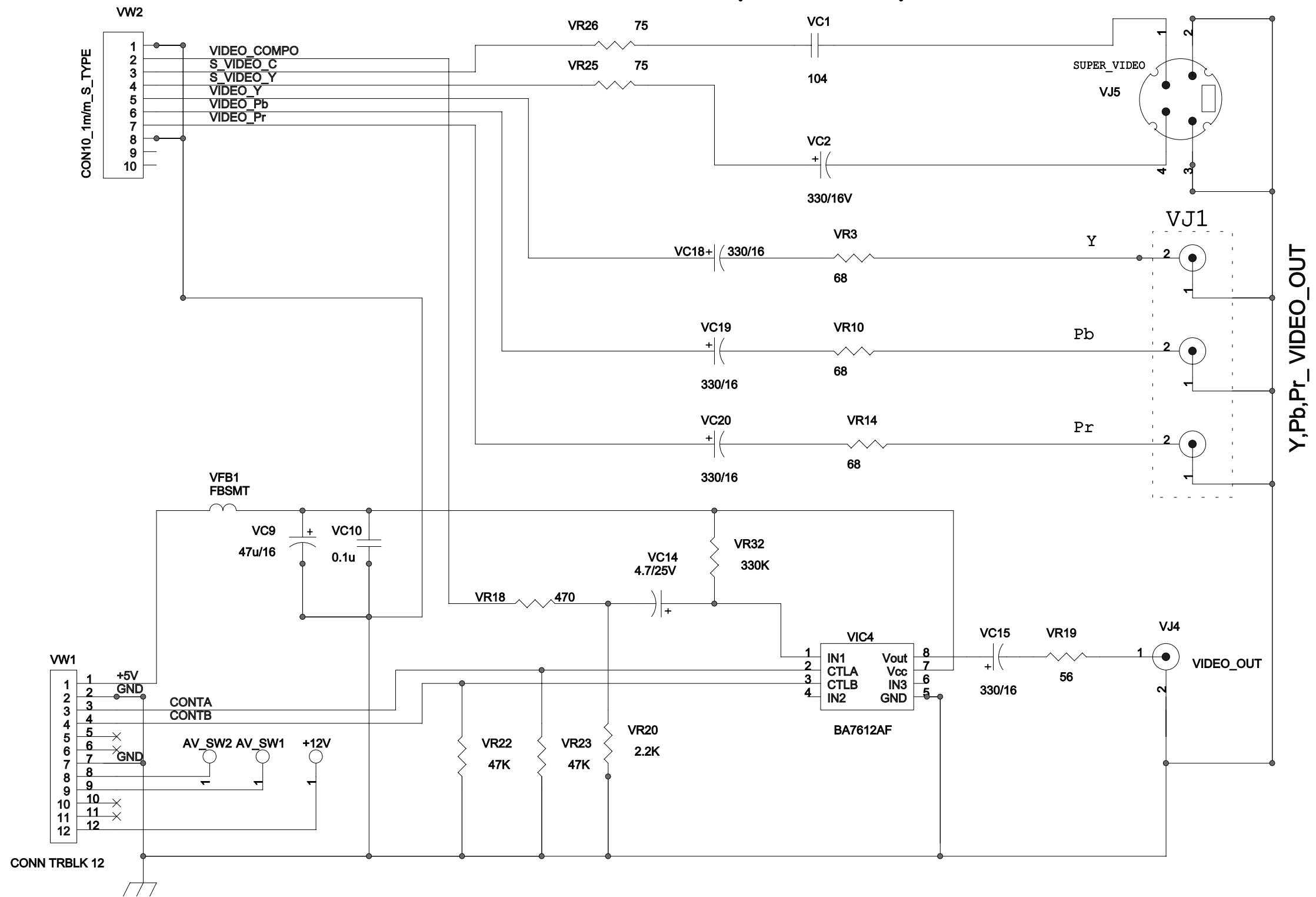
7-7 JACK : Only ASIA area(OPTION)



BLUE-TEK CO.LTD		Copyright 2001.04.17	
Title JACK			
Size A4	Document Number RCA_ASIA.DSN		Rev 01
Date:	Thursday, November 08, 2001	Sheet 1	of 1

7-8 JACK : Only AMERICA area(OPTION)

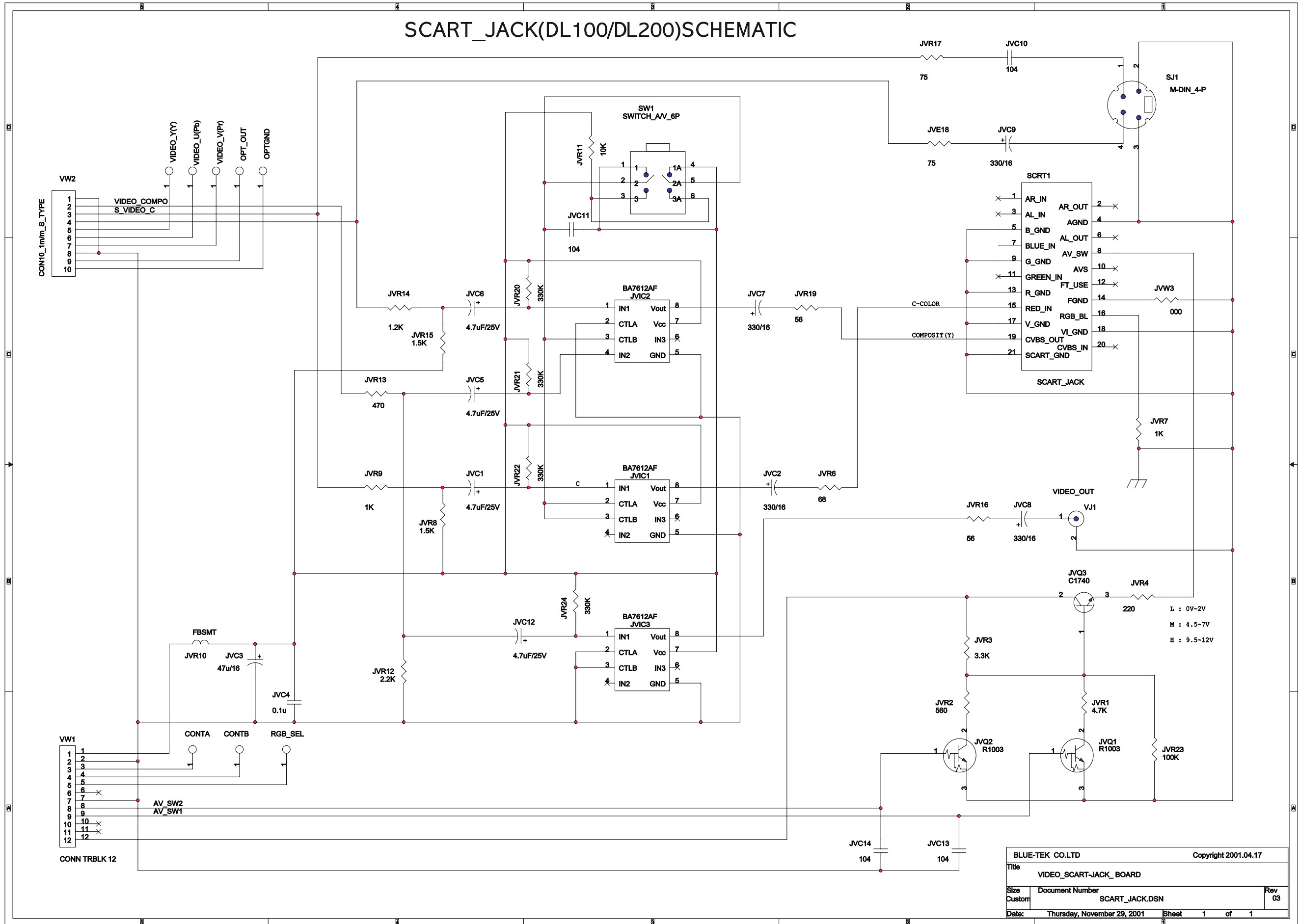
RCA OUT JACK (america)



BLUE-TEK CO.LTD		Copyright 2001.04.17	
Title JACK			
Size A4	Document Number RCA_namerica.DSN	Rev 01	
Date: Sunday, November 11, 2001	Sheet 1	of 1	

# 7-9 SCART JACK : Only EURO area(OPTION)

## SCART\_JACK(DL100/DL200)SCHEMATIC



BLUE-TEK CO.LTD		Copyright 2001.04.17
Title VIDEO_SCART-JACK_BOARD		
Size Custom	Document Number SCART_JACK.DSN	Rev 03
Date: Thursday, November 29, 2001	Sheet 1	of 1