

***SERVICE* Manual**

17" TFT LCD TV (PAL)

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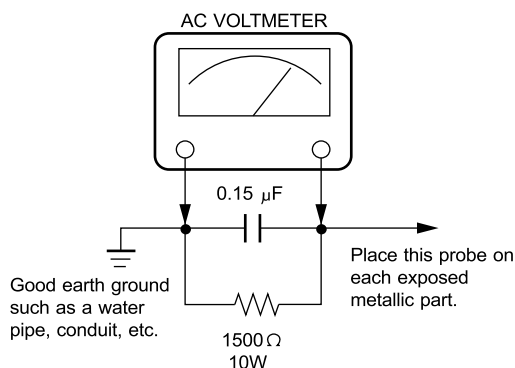
1. Precautions

Prior to shipment from the factory, the products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

SAFETY PRECAUTION

WARNING: Service should not be attempted by anyone unfamiliar with the necessary precautions on this TV. The following are the necessary precautions to be observed before servicing this chassis.

1. An isolation Transformer should be connected in the power line between the TV and the AC line before any service is performed on the TV.
2. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; non-metallic control knobs, insulating covers, shields, isolation resistor-capacitor network etc.
3. Before returning the set to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as terminals, screwheads, metal overlays, control shafts etc. to be sure the set is safe to operate without danger of electrical shock. Plug the AC line cord directly into a AC outlet (do not use a line isolation transformer during this check). Use an AC voltmeter having 5000 Ω per volt or more sensitivity in the following manner: Connect a 1500 Ω 10W resistor, paralleled by a 0.15 μ F, AC type capacitor, between a known good earth ground (water pipe, conduit, etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 Ω resistor and 0.15 μ F capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 5.25V(rms). This corresponds to 3.5 mA(AC). Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.



PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this manual and its supplements; electrical components having such features are identified by the international hazard symbols on the schematic diagram and the parts list.

Before replacing any of these components, read the parts list in this manual carefully. The use of substitute replacement parts which do not have the same safety characteristics as specified in the parts list may create shock, fire or other hazards.

⚠ DANGER

The components such as the power supply and FL inverter carry high voltages. When you partially disassemble the computer and turn on the components, use extreme care not to touch the connectors and components to avoid the risk of electrical shock. Do not disassemble individual components during first-level maintenance.

SAFETY NOTICE

Handling the LCD Module

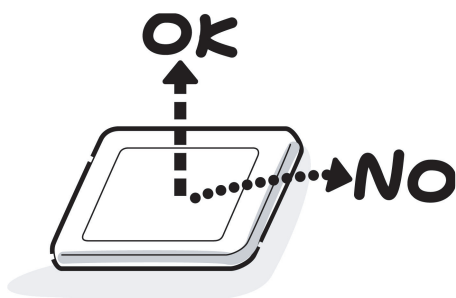
Safety Precaution

In case the screen is damaged and the internal liquid leaks, do not suck or drink the internal fluid. Nor do you touch it either, otherwise you might be poisoned or get a rash with your skin. If the internal fluid enters your mouth, rinse with water. If it adheres to your skin or clothes, wipe it away with alcohol and then wash with water. If it enters your eyes, wash with running water immediately.

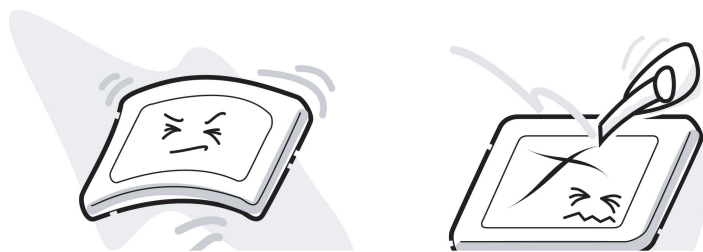
Precautions for handling the LCD module

The LCD module can be easily damaged during assembly or disassembly. Observe the following precautions when handling the LCD module:

1. When installing the LCD module in the LCD cover, be sure to seat it so that it is properly aligned and maximum visibility of the display is maintained.



2. Be careful to align the four holes at the right side and left side of the LCD module with the corresponding holes in the LCD cover before securing the module with four screws. Do not force the module into place, because stress can affect its performance. Also, the panel's polarized surface is easily scarred, so be careful when handling it.



3. If the panel's surface gets dirty, wipe it with cotton or a soft cloth. If it is still dirty, try breathing on the surface to create a light condensate and wipe it again.

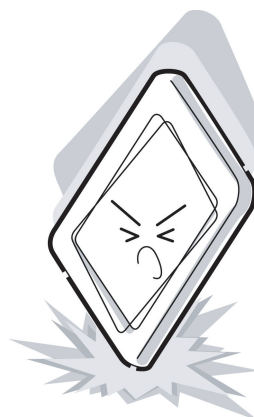
If the surface is very dirty, we recommend a CRT cleaning agent. Apply the agent to a cloth and then wipe the panel's surface. Do not apply cleanser directly to the panel. Also, never scratch the surface.



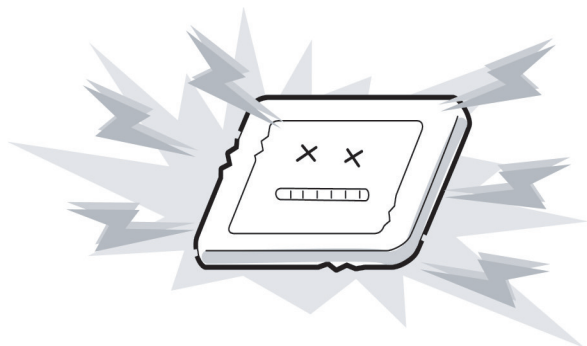
4. If water or other liquid is left on the panel's surface for a long period, it can change the screen's tint or stain it. Be sure to quickly wipe off any liquid.



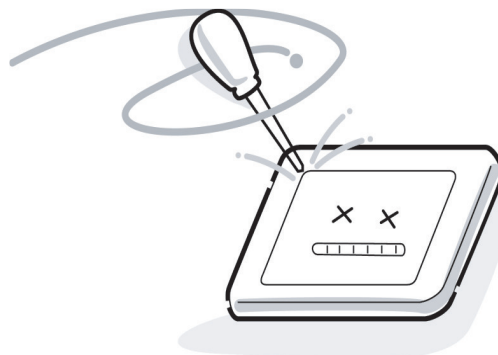
5. Glass is used in the panel, so be careful not to drop it or let it strike a hard object, which could cause breakage or cracks.



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6. CMOS-LSI circuits are used in the module, so guard against damage from electrostatic discharge. Be sure to wear a wrist or ankle ground when handling the module.



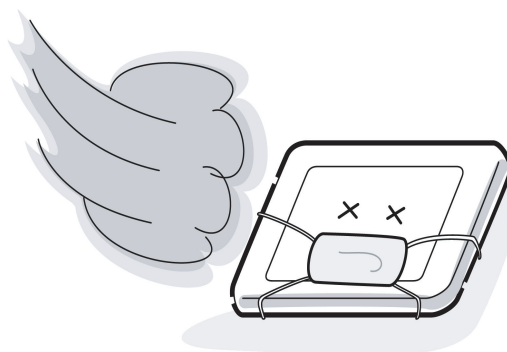
9. Do not disassemble the LCD module. Disassembly can cause malfunctions.



7. Do not expose the module to direct sunlight or strong ultraviolet rays for long periods.



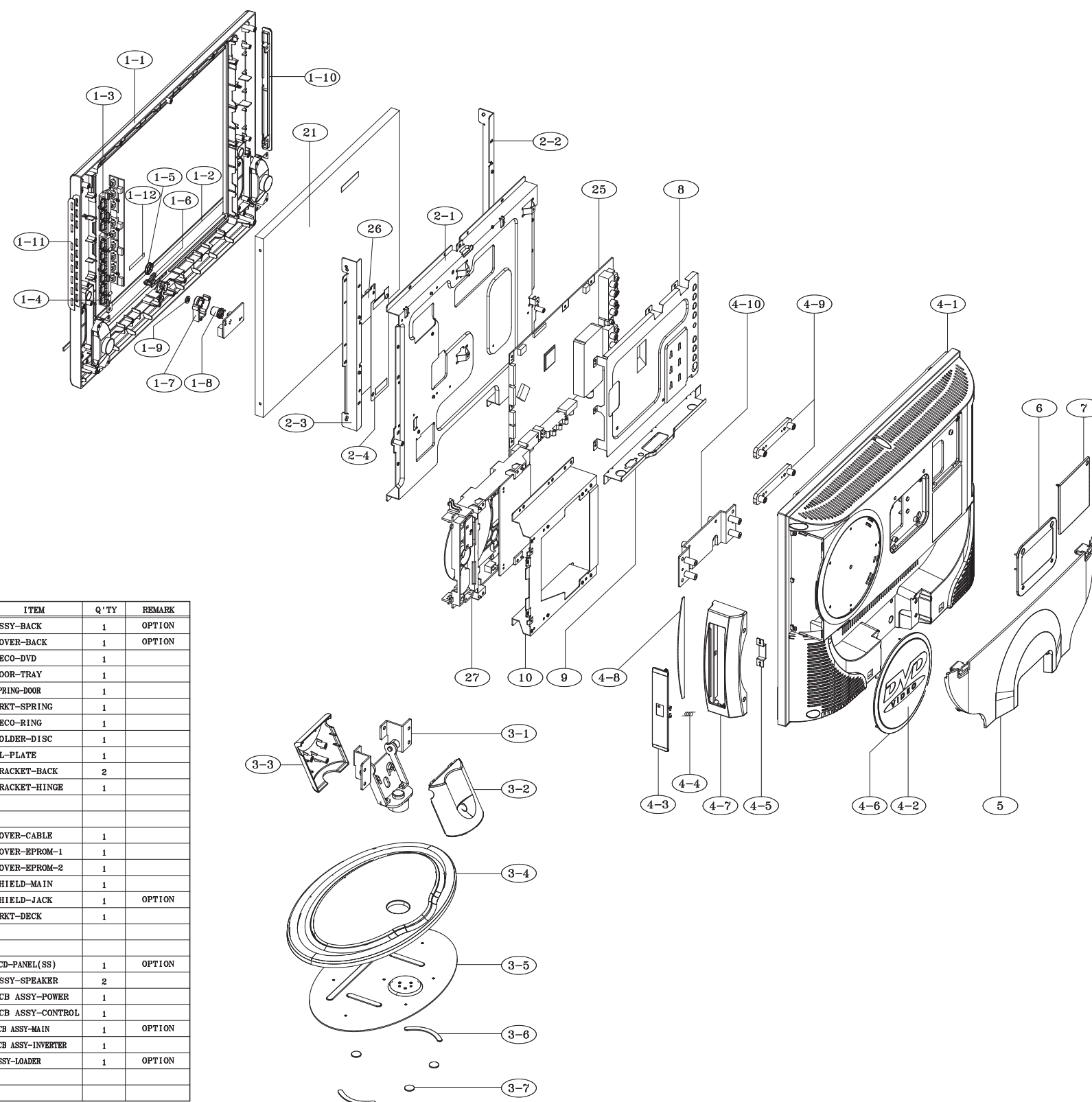
10. If you transport the module, do not use packing material that contains epoxy resin (amine) or silicon glue (alcohol or oxime). These materials can release gas that can damage the panel's polarization.



8. Do not store the module at temperatures below specifications. Cold can cause the liquid crystals to freeze, lose their elasticity or otherwise suffer damage.



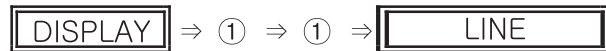
2. Exploded views (LT)

[illegible]

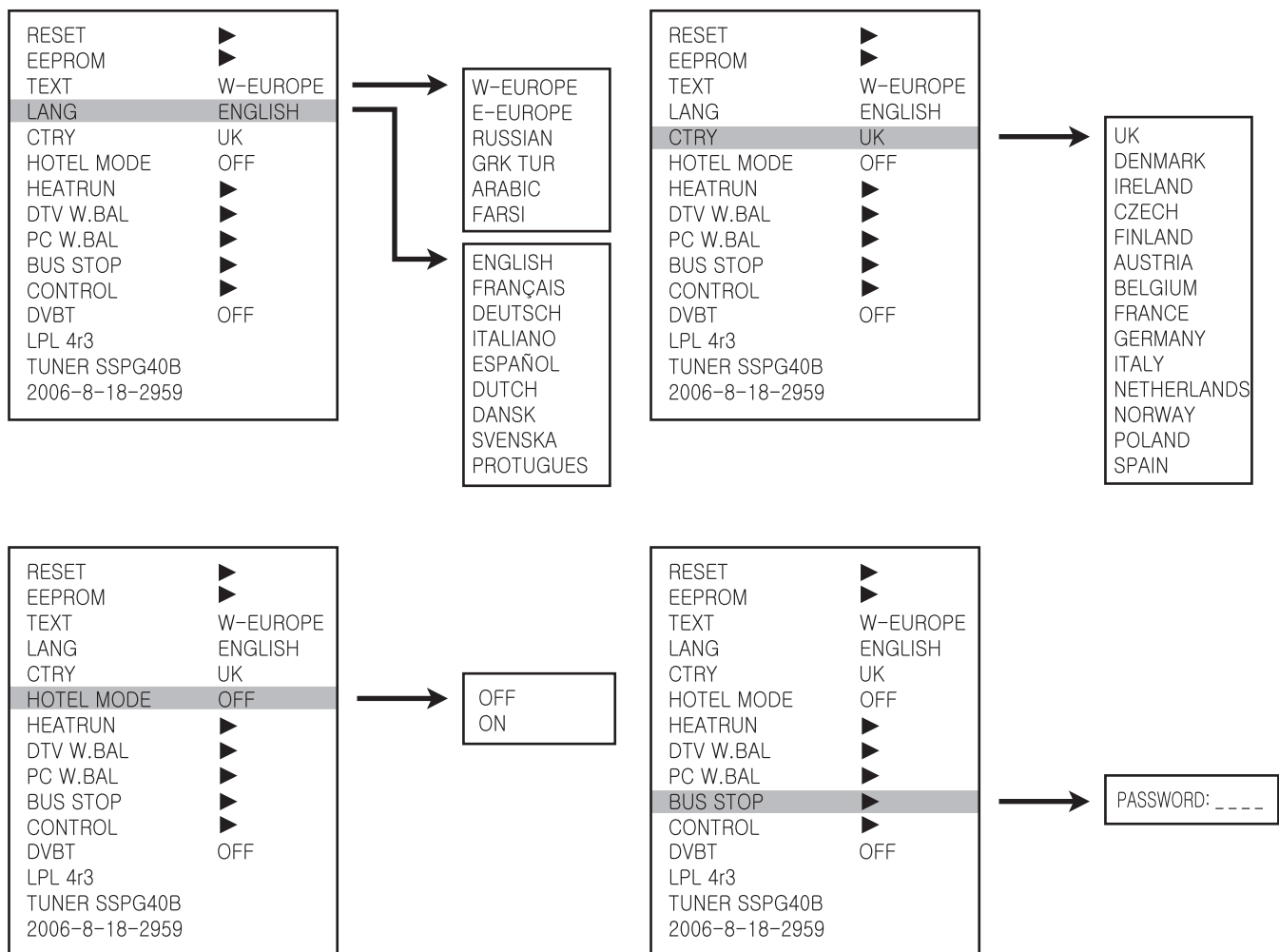
3. Adjustments

3-1 Sequence of Factory mode adjustment

1. To enter "Factory Mode" Press the remote-control keys in this sequence



3-2-1 Structure of Factory mode (LT17X)



RESET	▶
EEPROM	▶
TEXT	W-EUROPE
LANG	ENGLISH
CTRY	UK
HOTEL MODE	OFF
HEATRUN	▶
DTV W.BAL	▶
PC W.BAL	▶
BUS STOP	▶
CONTROL	▶
DVBT	OFF
LPL 4r3	
TUNER SSPG40B	
2006-8-18-2959	



System auto power off, then auto power on if you change EPROM.
Must this mode done.

RESET	▶
EEPROM	▶
TEXT	W-EUROPE
LANG	ENGLISH
CTRY	UK
HOTEL MODE	OFF
HEATRUN	▶
DTV W.BAL	▶
PC W.BAL	▶
BUS STOP	▶
CONTROL	▶
DVBT	OFF
LPL 4r3	
TUNER SSPG40B	
2006-8-18-2959	



R	GAIN	C8
G	GAIN	B8
B	GAIN	E8
R	CUT	70
G	CUT	70
B	CUT	38
		AUTO

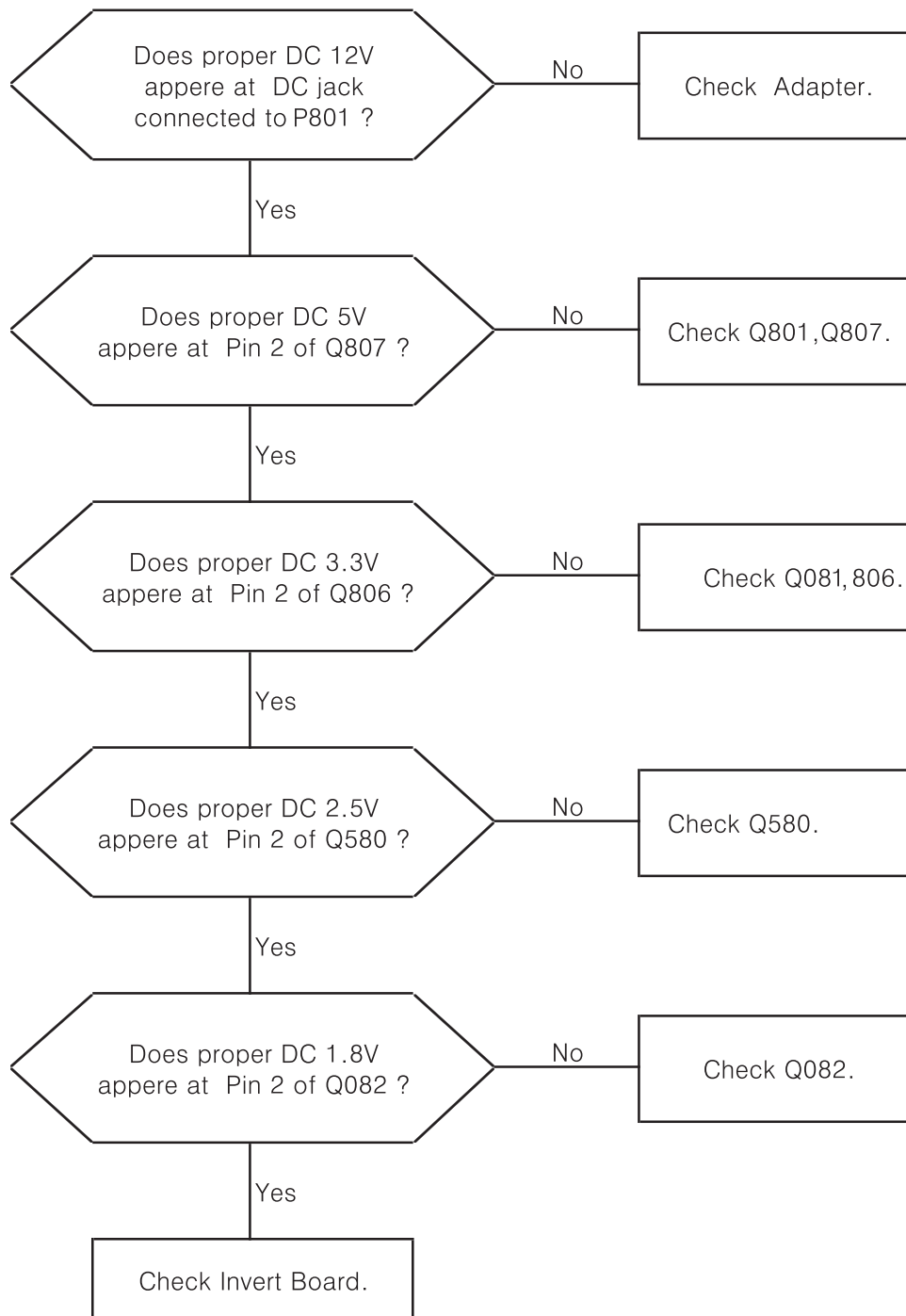
RESET	▶
EEPROM	▶
TEXT	W-EUROPE
LANG	ENGLISH
CTRY	UK
HOTEL MODE	OFF
HEATRUN	▶
DTV W.BAL	▶
PC W.BAL	▶
BUS STOP	▶
CONTROL	▶
DVBT	OFF
LPL 4r3	
TUNER SSPG40B	
2006-8-18-2959	



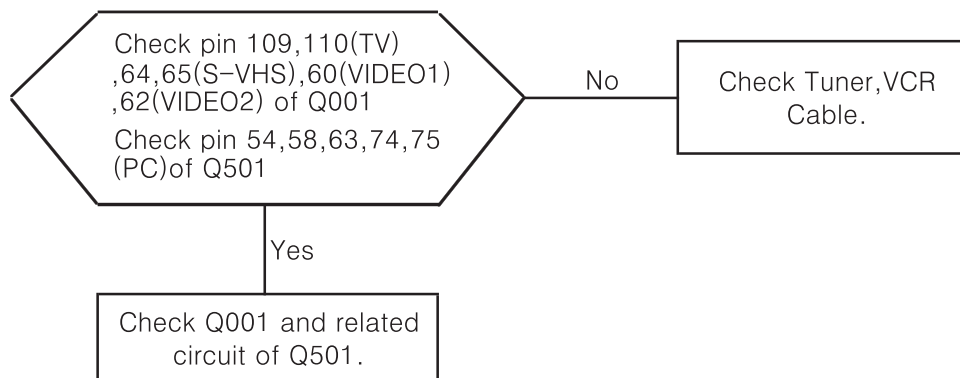
Only using factory if remote control don't power off
Repeating R → G → B → WHITE → BLACK.

4. Troubleshooting

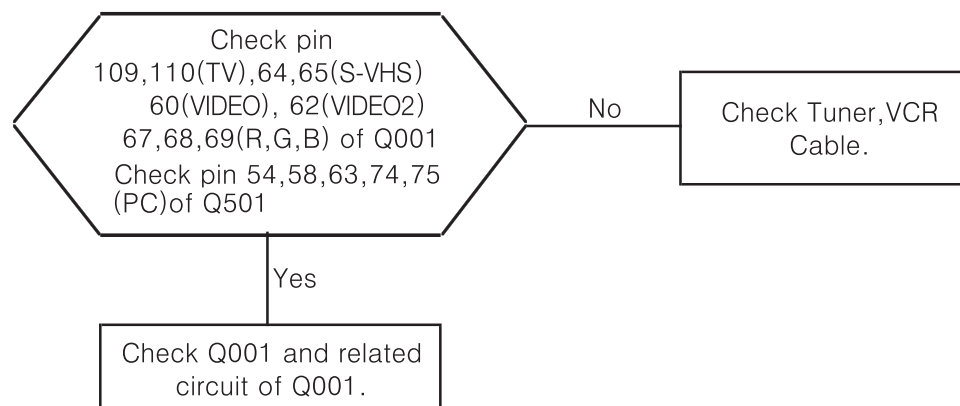
4-1-1 No Power



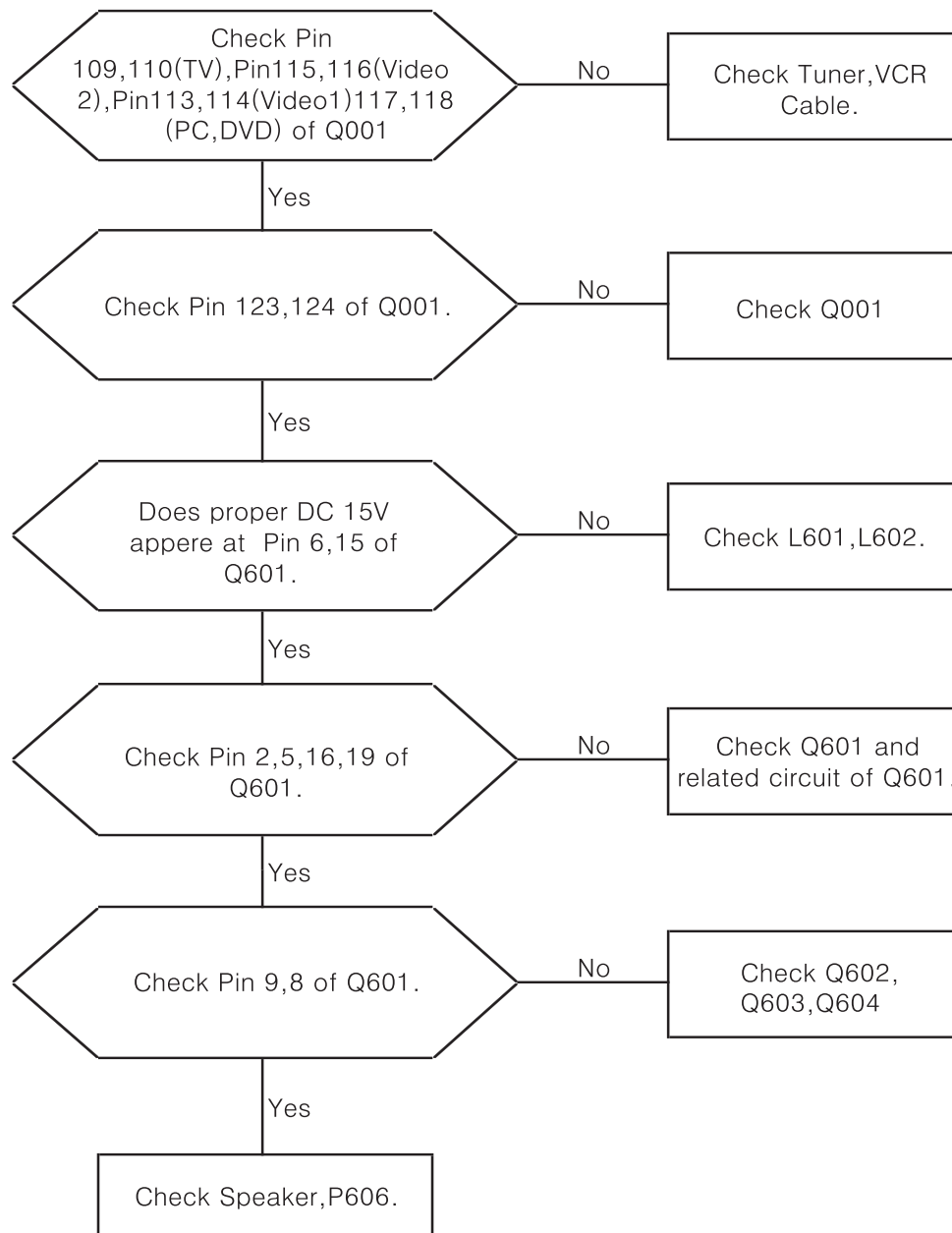
4-2-1 No Picture (TV,VIDEO, S-VHS,PC)



4-2-2 No Picture (TV, VIDEO, DVD, S-VIDEO,PC)



4-3-1 No Sound



5. Electrical Part List

5-1-1 MAIN BOARD BOM

MAIN BOM (17_PAL_LG,SSP)

NO	CODE NO	DESCRIPTION	SPECIFICATION	Q'TY	LOCATION NO.
	RHMA-M0092C	MAIN PCB ASS'Y	LT17D-2S5,PAL.S/S		SHORT POINT : T2(5V)
1	DPIC-00096A	IC-VOLTAGE REGULATOR	KIA78L08F-RTF/P,SOT-89(Pb/F)	1	Q808
2	DPIC-00099A	IC-VOLTAGE REGULATOR	SI-8050SD,TO-263-5,5P,3A(Lead-Free)	1	Q807
3	DPIC-00120A	IC-VOLTAGE REGULATOR	AMC2576-3.3DDFT(Pb/F)	1	Q806
4	DPIC-00199A	IC-VOLTAGE REGULATOR	AMC-1117-1.8SJFT,TO-252(Pb/F)	1	Q082
5	DPIC-00094A	IC-VOLTAGE REGULATOR	AMC-1117-3.3SJFT,TO-252(Pb/F)	1	Q081
6	DPIC-00119A	IC-VOLTAGE REGULATOR	AMC-1117-2.5SJ,TO-252(Pb/F)	1	Q580
7	DPTC-00004A	TR-CHIP	KSA812-Y-MTF(Pb/F)/KTA1504S-Y,PNP,150mA,SOT-3	3	QB01,Q007,Q602
			2SA1037AK-R(Lead-Free)		
8	DPTC-00003A	TR-CHIP	KSC1623-Y-MTF(Pb/F)/KTC3875S-Y,NPN,SOT-23(Pb/	4	QB02,Q006,Q102,Q804
			2SC2412K-R(Lead-Free)		
9	DPTC-00014A	TR-CHIP	RK7002TII6(Pb/F)	3	Q908,Q909,Q910
10	DPTC-00002A	TR-CHIP	DTC124EKAT146(Lead-Free)/FJV3103RMTF(Pb/F)	7	Q011,Q028,Q603,Q604,Q802,Q805,Q902
11	DPTC-00006A	TR-CHIP	FJV4102RMTF(Pb/F)/DTA114EKAT146(Lead-Free)	1	Q009
12	DPTC-00024A	TR-MOSFET	Si4925BDY,SO-8(RoHS)	3	Q801,Q803,Q901
13	DPIC-00021A	IC-ANALOG MUX	MM74HC4052MX,16SOIC(Pb-Free)	1	Q607
14	DPIC-00091A	IC-AUDIO AMP	TDA7266D,POWER-SO20(Pb/F)	1	Q601
15	DPIC-00284A	IC-SCALER	MTL016GF,QFP,128PIN(Lead-Free)	1	Q501
16	DPIC-00168A	IC-VIDEO SWITCH	PI5V330WEX,SOIC,16PIN(Pb-Free)/TS5V330D,SOIC,16P	1	Q301
17	DPIC-00231A	IC-MCU/MSP/V-DEC	VCT49XYI,PMQFP144-2(Pb/F)	1	Q001
18	DPIC-00006A	IC-CMOS LOGIC	74HCU04D,SOIC,JEDEC,TAPE 14P(Pb/Free)	1	QD02
19	DPIC-00100A	IC-EEPROM	SS24A60X51-SCTO,16K-bit	1	Q003
20	DPIC-00013A	IC-EEPROM	SS24A60X81-SCT70(Lead-Free)	1	QD01
21	DPIC-00226A	IC-DUAL N-CH FET	NDC7002N,SOT-6(Lead Free)	1	Q010
22	DPDC-00009A	DIODE-ZENER,CHIP	KDZ5.6V,USC(Pb/F)/UDZ TE-17 5.6B(Pb/F)	19	DV01,DD01,DB01,D001,DV02,DD02,DB02,DV03,DD03,DD04,
					DD05,DD06,DD07,DB08,DB09,D201,D202,D203,D204
23	DPDC-00028A	DIODE-ZENER,CHIP	UDZ TE-17 8.2B(Pb/F)	1	DD08
24	DPBC-00005A	BEAD-CHIP	MCB1608S800G(RoHS)/GZ1608D800T(f)	20	LV01,LS01,LE01,LD01,LB01,LV02,LS02,LE02,LD02,LB02,
					LV03,LE03,LD03,LB03,LV04,LD04,LB04,LV05,LD05,LB05
25	DPBC-00001A	BEAD-CHIP	GZ2012D121T(f)	18	L001,L002,L003,L004,L005,L006,L007,L008,L012,L013,
					L014,L201,L203,L204,L205,L206,L504,L623
26	DPBC-00010A	BEAD-CHIP ARRAY	M4A3216S300F(RoHS)	4	LN01,LN2,LN3,LN4
27	DPLC-00001A	COIL-CHIP	LB2016T100K(LQ)/GZ1608D451T(f)/FL-C2012-103KJT	2	L009,L301
28	DPLC-00019A	COIL-CHIP	FL-C3216-103KJT(Lead Free)	3	L101,L601,L602
29	DPLC-00041A	COIL-CHIP	SDFL2012LR68KL(f)	1	L102
30	DPLA-10034A	COIL-BAR CHOKE	680uH,50Min,0.796Mhz,28ohm,45mA,AL03TB 681K	1	L103
31	DPLA-10033A	COIL-BAR CHOKE	470uH,50Min,0.796Mhz,24ohm,55mA,AL03TB 471K	1	L104
32	DPDC-00010A	DIODE-SWITCHING,CHIP	KDS181-RTK/P,SOT-23(Pb/F)/DAP202K(Pb/F)	4	D101,D102,D601,D602
33	DPDC-00011A	DIODE-SCHOTTKY,CHIP	MBRS340T3G(Pb/F)	2	D801,D802
34	DPDC-00012A	DIODE-CHIP	UDZS33B,JEDEC:SOD-323(Pb/F)	1	DZ01
35	DPBC-00007A	BEAD-CHIP	B-800,80ohm,3216(Pb/F)/GZ3216D800T(f)	12	L011,L105,L106,L108,L109,L501,L502,L503,L705,L706,
					L707,L801
36	DPBC-00009A	BEAD-CHIP	MCB1608S300I(RoHS)/GZ1608D300T(f)	2	L510,L511
37	DPBC-00004A	BEAD-CHIP	B-501,500ohm,3216(Pb/F)/GZ3216D501T(f)	7	L107,L603,L604,L605,L606,L651,L901
38	DPLC-00009A	COIL-SMD	53uH,3A,BS1280-530(Pb/F)/SC1280S-530M(Pb/F)	2	L802,L806
39	DPRC-00001A	R-CHIP	000 ohm,5%,1/16W,DA,TP,1608(Pb/F)	23	RB03,R024,R040,RD01,RD04,R010,R019,R020,R056,R77,
					R78,R110,R506,R532,R644,R029,R034,R054,R702,R703,
					R701,R534,R901
40	DPRC-00003A	R-CHIP	10ohm,5%,1/16W,DA,TP,1608(Pb/F)	2	R052,R105
41	DPRC-00005A	R-CHIP	1Kohm,5%,1/16W,DA,TP,1608(Pb/F)	20	RS01,RV02,RS02,RV03,RB04,RB05,RB06,RB07,RB08,R017,
					R032,R035,R038,R058,R059,R203,R602,R605,R651,R652
42	DPRC-00006A	R-CHIP	10Kohm,5%,1/16W,DA,TP,1608(Pb/F)	17	RB09,RD10,RD11,RD14,RD15,R055,R79,R128,R131,R610,
					R611,R708,R709,R801,R805,R807,R906
43	DPRC-00004A	R-CHIP	100ohm,5%,1/16W,DA,TP,1608(Pb/F)	20	R015,R016,R018,R022,R026,R027,R028,R030,R036,R037,
					R041,R050,R051,R102,R103,R526,R527,R528,R522,RB17,
44	DPRC-00030A	R-CHIP	22ohm,5%,1/16W,DA,TP,1608(Pb/F)	2	R503,R504
45	DPRC-00040A	R-CHIP	30ohm,5%,1/16W,DA,TP,1608(Pb/F)	2	R508,R509
46	DPRC-00045A	R-CHIP	33ohm,5%,1/16W,DA,TP,1608(Pb/F)	4	R044,R045,R046,R047
47	DPRC-00058A	R-CHIP	470ohm,5%,1/16W,DA,TP,1608(Pb/F)	1	RB01
48	DPRC-00018A	R-CHIP	15Kohm,5%,1/16W,DA,TP,1608(Pb/F)	1	RB02
49	DPRC-00073A	R-CHIP	75ohm,5%,1/16W,DA,TP,1608(Pb/F)	13	RV01,RV04,RV05,RB10,RB11,RB12,R529,R530,R531,R704,
					R705,R706,R707
50	DPRC-00078A	R-CHIP	82ohm,5%,1/16W,DA,TP,1608(Pb/F)	3	RB13,RB14,RB15

5-1-2 MAIN BOARD BOM

NO	CODE NO	DESCRIPTION	SPECIFICATION	Q'TY	LOCATION NO.
51	DPRC-00031A	R-CHIP	220ohm,5%,1/16W,DA,TP,1608(Pb/F)	4	R632,R633,R636,R637
52	DPRC-00016A	R-CHIP	150ohm,5%,1/16W,DA,TP,1608(Pb/F)	2	RB18,R603
53	DPRC-00046A	R-CHIP	330ohm,5%,1/16W,DA,TP,1608(Pb/F)	1	R039
54	DPRC-00032A	R-CHIP	2.2Kohm,5%,1/16W,DA,TP,1608(Pb/F)	2	RD02,RD03
55	DPRC-00047A	R-CHIP	3.3Kohm,5%,1/16W,DA,TP,1608(Pb/F)	3	R011,R012,R501
56	DPRC-00059A	R-CHIP	4.7Kohm,5%,1/16W,DA,TP,1608(Pb/F)	16	R002,R005,R006,R021,R025,R033,R043,R048,R049,R515, R523,R524,R604,R803,R806,R525
57	DPRC-00065A	R-CHIP	5.6Kohm,5%,1/16W,DA,TP,1608(Pb/F)	2	R003,R004
58	DPRC-00070A	R-CHIP	6.8Kohm,5%,1/16W,DA,TP,1608(Pb/F)	1	R101
59	DPRC-00097A	R-CHIP	5.1Kohm,5%,1/16W,DA,TP,1608(Pb/F)	1	R104
60	DPRC-00080A	R-CHIP	8.2Kohm,5%,1/16W,DA,TP,1608(Pb/F)	1	RB19
61	DPRC-00093A	R-CHIP	11Kohm,5%,1/16W,DA,TP,1608(Pb/F)	2	R608,R609
62	DPRC-00033A	R-CHIP	22Kohm,5%,1/16W,DA,TP,1608(Pb/F)	1	R106
63	DPRC-00038A	R-CHIP	27Kohm,5%,1/16W,DA,TP,1608(Pb/F)	1	RB16
64	DPRC-00060A	R-CHIP	47Kohm,5%,1/16W,DA,TP,1608(Pb/F)	3	R057,R606,R607
65	DPRC-00071A	R-CHIP	68Kohm,5%,1/16W,DA,TP,1608(Pb/F)	1	R601
66	DPRC-00081A	R-CHIP	82Kohm,5%,1/16W,DA,TP,1608(Pb/F)	1	R023
67	DPRC-00007A	R-CHIP	100Kohm,5%,1/16W,DA,TP,1608(Pb/F)	2	R107,R108
68	DPRC-00008A	R-CHIP	1Mohm,5%,1/16W,DA,TP,1608(Pb/F)	2	R031,R505
69	DPRC-00001B	R-CHIP	000 ohm,5%,1/10W,DA,TP,2012(Pb/F)	6	L010,R134,R802,L803,R804,L804
70	DPRC-00021C	R-CHIP	180ohm,5%,1/8W,DA,TP,3216(Pb/F)	2	RE01,RE02
71	DPRC-00045E	R-CHIP ARRAY	33ohm,5%,1/16W,L,CHIP,TP(Pb/F)	8	RN6,RN7,RN8,RN9,RN10,RN11,RN12,RN14
72	DPCC-00064A	C-CHIP	470pF,10%,50V,X7R,TP,1608(Lead Free)	13	CV01,CE02,CV03,CE03,CB03,CV05,CB05,CB06,CV07,CB07, CB08,CV09,C108
73	DPCC-00003A	C-CHIP	100pF,10%,50V,X7R,TP,1608(Lead Free)	8	CS01,CS02,CD04,CD05,C201,C202,C203,C205
74	DPCC-00005A	C-CHIP	10nF,10%,50V,X7R,TP,1608(Lead Free)	6	C020,C101,C102,C111,C113,C114
75	DPCC-00033A	C-CHIP	22pF,10%,50V,X7R,TP,1608(Lead Free)	4	C029,C030,C548,C549
76	DPCC-00037A	C-CHIP	220nF,+80-20%,25V,Y5V,TP,1608	18	C051,C052,C053,C054,C055,C056,C301,C302,C303,C304, C305,C306,C606,C607,C636,C637,C640,C641
77	DPCC-00051A	C-CHIP	33pF,10%,50V,X7R,TP,1608(Lead Free)	1	C057
78	DPCC-00098A	C-CHIP	100nF,+80-20%,16V,Y5V,TP,1608(Lead Free)	75	CD01,C001,C003,C005,CD07,C007,C008,C009,C010,C011, C012,C013,C014,CB15,C015,C017,C019,C022,C023,C025, C027,C032,C034,C036,C037,C038,C039,C042,C045,C106, C107,C109,C308,C506,C507,C508,C509,C510,C511,C512, C515,C518,C519,C520,C521,C522,C523,C524,C526,C528, C529,C530,C531,C532,C540,C556,C603,C643,C652,C711, C713,C714,C717,C803,C807,C810,C811,C816,C818,C820, C902,C513,C514,C516,C533
79	DPCC-00066A	C-CHIP	47nF,10%,50V,X7R,TP,1608(Lead Free)	5	C542,C545,C550,C553,C555
80	DPCC-00059A	C-CHIP	3.9nF,10%,50V,X7R,TP,1608(Lead Free)	1	C551
81	DPCC-00060A	C-CHIP	39nF,10%,50V,X7R,TP,1608(Lead Free)	1	C554
82	DPCC-00053A	C-CHIP	3.3nF,10%,50V,X7R,TP,1608(Lead Free)	6	C608,C609,C653,C654,C655,C656
83	DPCC-00007A	C-CHIP	1000nF,+80-20%,16V,Y5V,TP,1608(Lead Free)	1	L505
84	DPEC-10006A	C-ELECT	10uF,20%,16V,GP,TP,5x11,5mm(Lead Free)	18	CB01,CD02,CB02,C018,C024,C026,C028,C031,C033,C035, C040,C307,C505,C517,C527,C552,C642,C901
85	DPEC-10061A	C-ELECT	220uF,20%,16V,GP,TP,6.3x11,5mm(Lead Free)	5	CB04,C718,C802,C812,C819
86	DPEC-10016A	C-ELECT	47uF,20%,16V,GP,TP,5x11,5mm(Lead Free)	3	CB14,C601,C602
87	DPEC-10007A	C-ELECT	100uF,20%,10V,GP,TP,5x11,5mm(Lead Free)	4	CE01,C004,C112,C525
88	DPEC-10008A	C-ELECT	470uF,20%,10V,GP,TP,8x11,5,5mm(Lead Free)	5	C002,C044,C105,C813,C815
89	DPEC-10020A	C-ELECT	4.7uF,20%,50V,GP,TP,5x11,5mm(Lead Free)	3	C006,C021,C043
90	DPEC-10057A	C-ELECT	3.3uF,50V,GP,TP,5x11,5mm(Lead Free)	1	C041
91	DPEC-10010A	C-ELECT	100uF,20%,16V,GP,TP,6.3x11,5mm(Lead Free)	3	C046,C651,C710
92	DPEC-10013A	C-ELECT	1uF,20%,50V,GP,TP,5x11,5mm(Lead Free)	1	C110
93	DPEC-10048A	C-ELECT	470uF,20%,16V,GP,TP,8x11,5,5mm(Lead Free)	5	C604,C804,C805,C809,C814
94	DPEC-10055A	C-ELECT	47uF,20%,50V,GP,TP,6.3x11,5mm(Lead Free)	1	C605
95	DPEC-10022A	C-ELECT	220uF,20%,10V,GP,TP,6.3x11,5mm(Lead Free)	1	C712
96	DPEX-10334A	SAW FILTER	NDX3033D(RoHS)	1	Z101
97	DPEX-10138A	X-TAL:SMD	14.31818MHZ,30ppm,28-AAN,16,50ohm,TP(RoHS)	1	X501
98	DPEX-10140A	X-TAL:SMD	20.25MHz,30ppm,28-AAN,13pF,25ohm,TP(RoHS)	1	X001
99	DPWA-10078B	CONNECTOR-WAFER,SMD	R/A,30P,1.25mm,12507WR-30P(RoHS)	1	P902
100	DPWA-10049A	SOCKET-IC,SMD	PLCC 32P SOCKET(RoHS)	1	Q002
101	DPWA-10056A	CONNECTOR-WAFER,SMD	STRAGHT,12P,1.25mm,12505WS-12A00(RoHS)	1	P501
102	DPWA-10046A	CONNECTOR-WAFER,SMD	ANGLE,12507WR-20000,1.25mm(RoHS)	1	P903
103	DPJA-10043A	D-SUB JACK	15P,FEMALE,R/A,BLACK,DC-1503FAP-2(Pb/F)	1	PD01
104	DPWA-10058A	CONNECTOR-WAFER	ANGLE,SMAW200-05-YH,2mm(RoHS)	1	P602
105	DPWA-10059A	CONNECTOR-WAFER	STRAIGHT,SMW200-06,2.5mm(RoHS)	1	J703
106	DPWA-10038A	CONNECTOR-WAFER	20010WS-12A00/PH-12A(RoHS)	1	J702
107	DPWA-10093A	CONNECTOR-WAFER	ANGLE,SMAW200-07-YH,2mm(RoHS)	1	J201
108	DPWA-10003A	CONNECTOR-WAFER	STRAIGHT,SMW200-04,2mm(RoHS)	1	J701
109	DPWA-10043A	CONNECTOR-WAFER	ANGLE,SMAW200-04-YH,2mm(RoHS)	1	P601
110	DPJA-10053A	DC JACK	DC-POWER:4P,SHIELD,CJ214S-4/KJA-DN-3-0014(Pb)	1	P801
111	DPJA-10054A	AV_IN JACK	DASW-11(Pb/F)	1	JV01
112	DPJA-10040A	STEREO PHONE JACK	Ø3.5 VERTICAL,KJH-PH-3-0035(Pb/F)	1	JS01
113	DPJA-10052A	JACK-HEAD-PHONE	TC38-103-01(Lead-Free)	1	JE01
114	DPEX-10275B	TUNER	TECH2949PG40B(D),PAL,FST(Lead Free)	1	H001
115	DPJA-10066A	SCART-JACK	1 SCART,SHIELD CASE,SC116/PB(Pb/F)	1	JB01
116	RHPB-10291B	PCB	EPOXY,1.6T,220X170,2-LAYER	1	
TOTAL				516	

5-1-3 MAIN LINE BOM

MAIN LINE BOM

NO	CODE NO	DESCRIPTION	SPECIFICATION	Q'TY	LOCATION NO.
1	DPEX-10332A	LCD	17inch,LM170E01-TLB3,LVDS,LG	1	LCD PANEL (17" LG 4:3 PANEL)
2	DPWI-10346A	CONNECTOR-WIRE	LVDS,30P,170mm,Shield GND(RoHS)	1	P902 <--> LCD PANEL
3	DMIN-N0009A	INVERTER ASS'Y	17inch,AT-0170(BIT) Rev.D L/F	1	
4	DPWI-10245A	CONNECTOR-WIRE	MH1.25-5Yx2,12P,160mm(RoHS)	1	P501 <--> INVERTER
5	DPIC-00101B	IC-EPROM	A29040BL-70F,PLCC32,OTP(Pb/F)	1	Q002
6	LC03-DP086A	HEAT Sink IC	15*22*8mm	1	Q601(AMP IC)
7	LC03-ES009B	TAPE SHEET IC	14*20	1	Q601
8	LC03-DP012A	HEAT SINK IC	AL 1050R 28.6 * 27.8 * 11m	1	Q001(VCT49XY IC)
9	LC03-ES009A	TAPE SHEET IC	27 * 27, T 0.5	1	Q001
10	DPEX-10262A	ADAPTOR	HASU12FB,12V/5A(17" & 20")	1	
11	DPWI-10315A	CONNECTOR-WIRE	17inch,2-SPEAKER,4P,BN/BK(350mm),RD/WH(690mm)	1	P601 <--> SPEAKER WIRE
12	DPEX-10316A	SPEAKER	EB073-A6113,16ohm,3W	2	
13	DP03-AE014B	LOADER-ASS'Y	DM-LS45	1	LOADER ASS'Y(DVIX)
14	DP03-AE014D	LOADER-ASS'Y	DM-LS45	1	SKD LOADER ASS'Y(DVIX)
15	DPWI-10247A	CONNECTOR-WIRE	12P,2mm,90mm(RoHS)	1	J702 <--> LOADER(VIDEO,AUDIO)
16	DPWI-10248A	CONNECTOR-WIRE	4P,2mm,90mm(RoHS)	1	J701 <--> LOADER(I2C통신)
17	DPWI-10249A	CONNECTOR-WIRE	6P,2.5mm,90mm(RoHS)	1	J703 <--> LOADER(POWER)
18	DPEX-10206A	FERRITE CORE	UF-70(15.4*22*17.7*7.4)(RoHS)	1	J701
19	DPEX-10162B	POWER CABLE	1830mm,BLACK,PAL,KPC-EU-3-0007(RoHS)	1	PAL(ONLY)
			1830mm,BLACK,PAL,KKP-4819R/KKS-16A,KOCE-3 0.75(RoHS)		
			1650mm,BLACK,PAL,WS03K-8-14-D.B(RoHS)		

5-2-1 KEY BOM

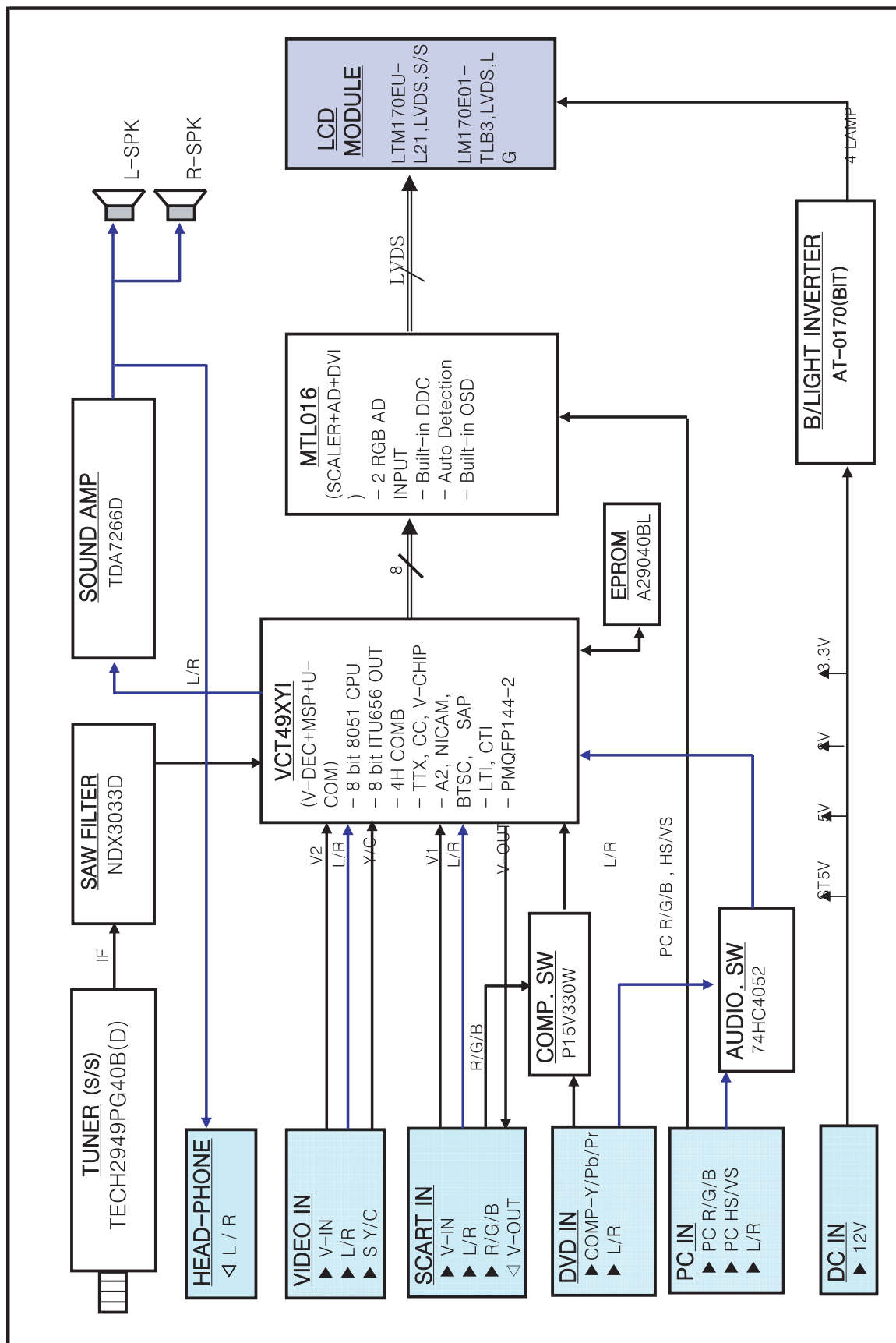
POWER KEY BOM

NO	CODE NO	DESCRIPTION	SPECIFICATION	Q'TY	LOCATION NO.
	DMPK-K0009A	POWER KEY PCB ASS'Y	POWER KEY-PCB ASS'Y		
1	DPTR-10020A	TR	KTC319B-Y-AT/P(Pb/F)	1	Q008
2	DPRA-10004A	R-CARBON	100ohm, 5%, 1/8W, AA, TP, 1.8x3.2mm(Pb/F)	1	RB01
3	DPRA-10005A	R-CARBON	1Kohm, 5%, 1/8W, AA, TP, 1.8x3.2mm(Pb/F)	1	RB02
4	DPRA-10006A	R-CARBON	10Kohm, 5%, 1/8W, AA, TP, 1.8x3.2mm(Pb/F)	1	RB03
5	DPRA-10056A	R-CARBON	470ohm, 5%, 1/8W, AA, TP, 1.8x3.2mm(Pb/F)	1	RL01
6	DPCA-10001C	C-CERAMIC, AXIAL	100nF, +80-20%, 50V, Y5V, TP(Pb/F)	1	CB01
7	DPEC-10004A	C-ELECT(SRE)	100uF, 20%, 10V, GP, TP, 6.3x5.2.5mm(Lead Free)	1	CB02
8	DPWA-10058A	CONNECTOR-WAFER	ANGLE, SMAW200-05-YH, 2mm(RoHS)	1	PC04
9	DPEX-10014A	SWITCH-TACT	DHT1104RTA, 6x6x5mm	1	S101
10	DPEX-10153A	LED	L-314HBC, A/0.5V, 20mA, Ø3.0, BLUE	1	DL1
11	DPEX-10155A	IR RECEIVER	KSM-913TC1T(Lead-Free)	1	ZB01
12	RHPB-10292A	PCB	POWER KEY-PCB, PHENOL, 1.6T, 47X29	1	
TOTAL				12	

TV_DVD KEY BOM

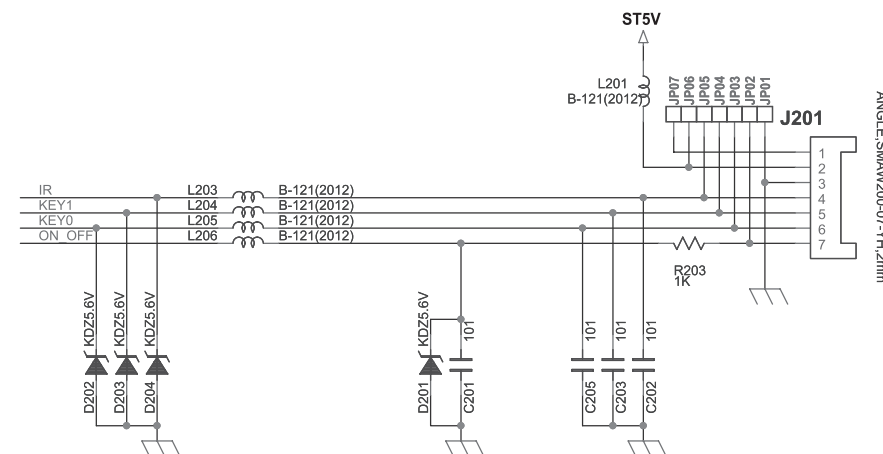
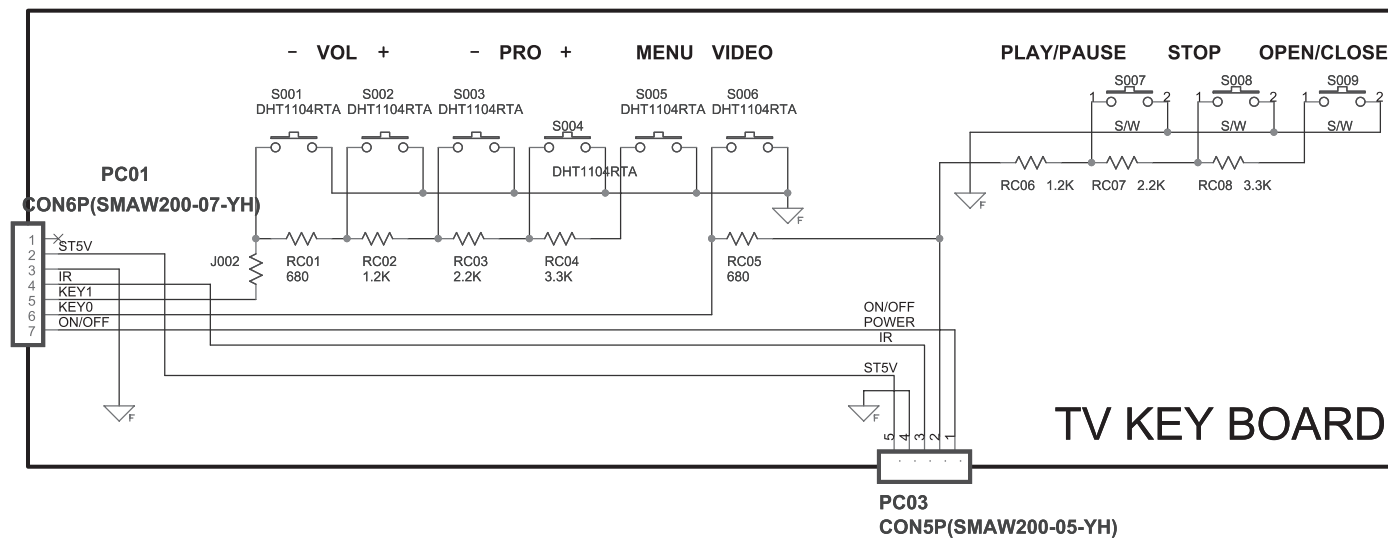
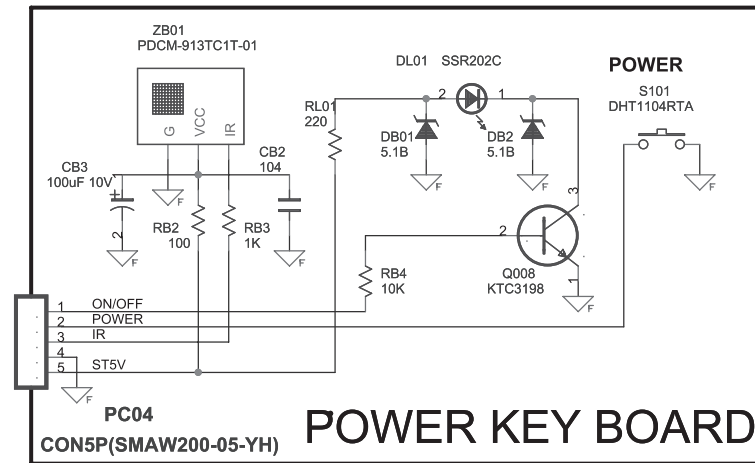
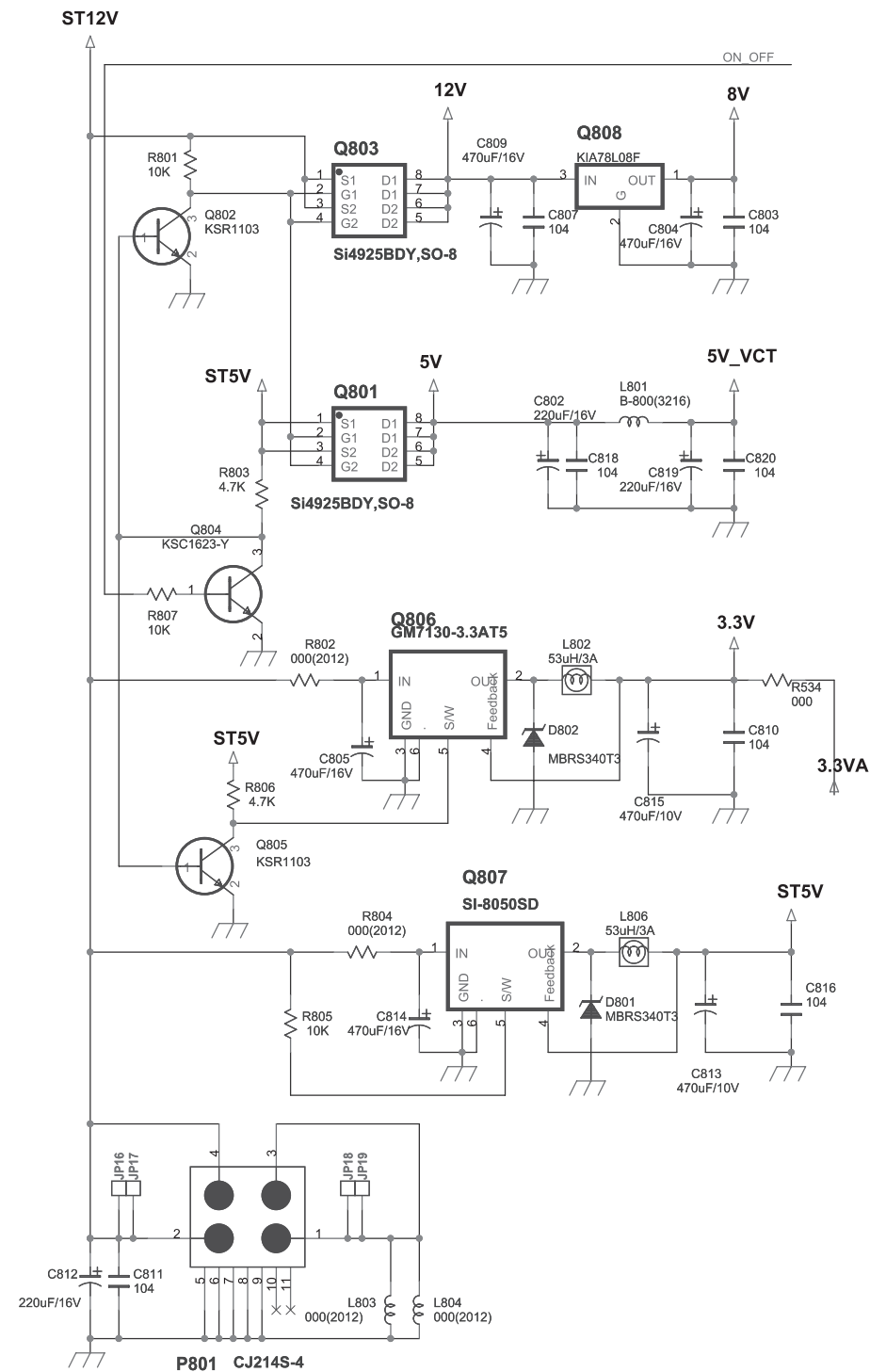
NO	CODE NO	DESCRIPTION	SPECIFICATION	Q'TY	LOCATION NO.
	DMTK-K0018A	TV KEY-PCB ASS'Y	TV KEY-PCB ASS'Y(LT17D/LT17X)		
1	DPRA-10001A	JUMPER WIRE	WIRE-NO SHEATH CU: SPCW, 300V, 1/0.5(Pb/F)	1	J002
2	DPRA-10016A	R-CARBON	1.5Kohm, 5%, 1/8W, AA, TP, 1.8x3.2mm(Pb/F)	2	RC02, RC06
3	DPRA-10037A	R-CARBON	2.7Kohm, 5%, 1/8W, AA, TP, 1.8x3.2mm(Pb/F)	2	RC03, RC07
4	DPRA-10057A	R-CARBON	4.7Kohm, 5%, 1/8W, AA, TP, 1.8x3.2mm(Pb/F)	2	RC04, RC08
5	DPRA-10005A	R-CARBON	1Kohm, 5%, 1/8W, AA, TP, 1.8x3.2mm(Pb/F)	2	RC01, RC05
6	DPEX-10014A	SWITCH-TACT	DHT1104RTA, 6x6x5mm	9	S001, S002, S003, S004, S005, S006, S007, S008, S009
7	DPWI-10244A	CONNECTOR-WIRE	STRAIGHT, 7P, 2mm, 420mm, BOARD IN-LOCK(RoHS)	1	PC01
8	DPWI-10165A	CONNECTOR-WIRE	STRAIGHT, 5P, 2mm, 280mm, BOARD IN-LOCK(RoHS)	1	PC03
9	RHPB-10293A	PCB	TV KEY-PCB, PHENOL, 1.6T, 172.3X22.8	1	
TOTAL				21	

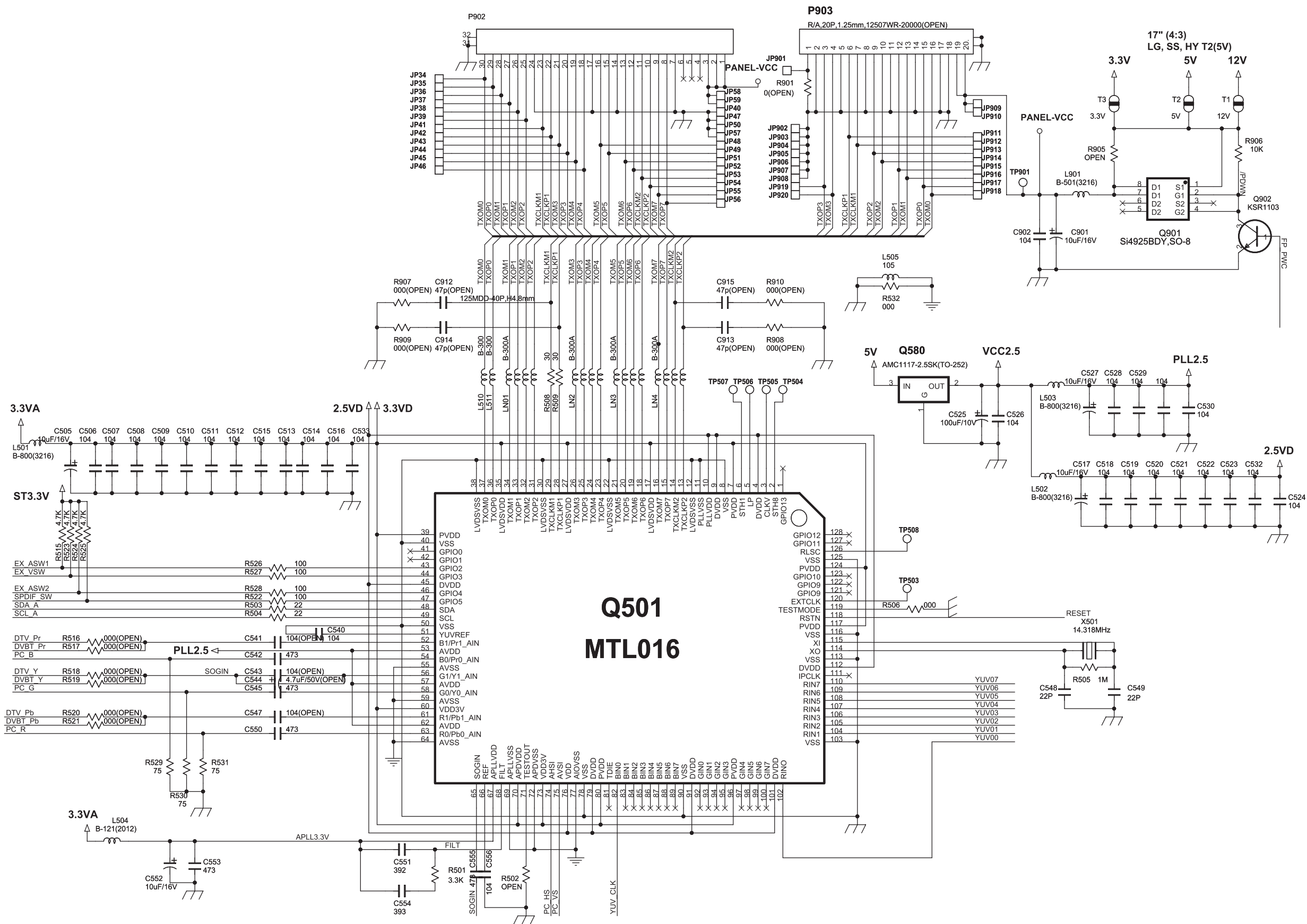
6-1. BLOCK Diagrams



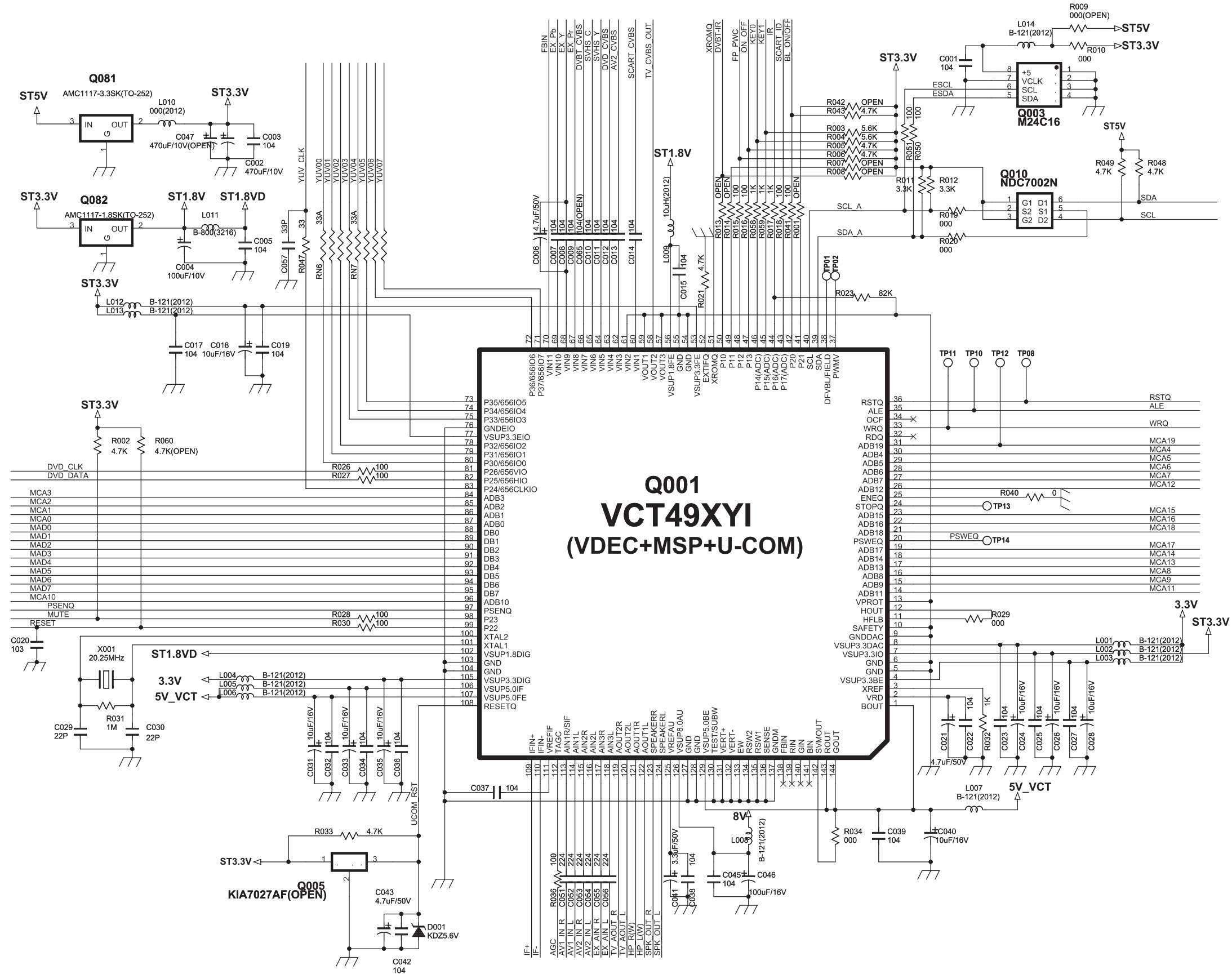
7. Schematic Diagrams

7-1 CONTROL & POWER

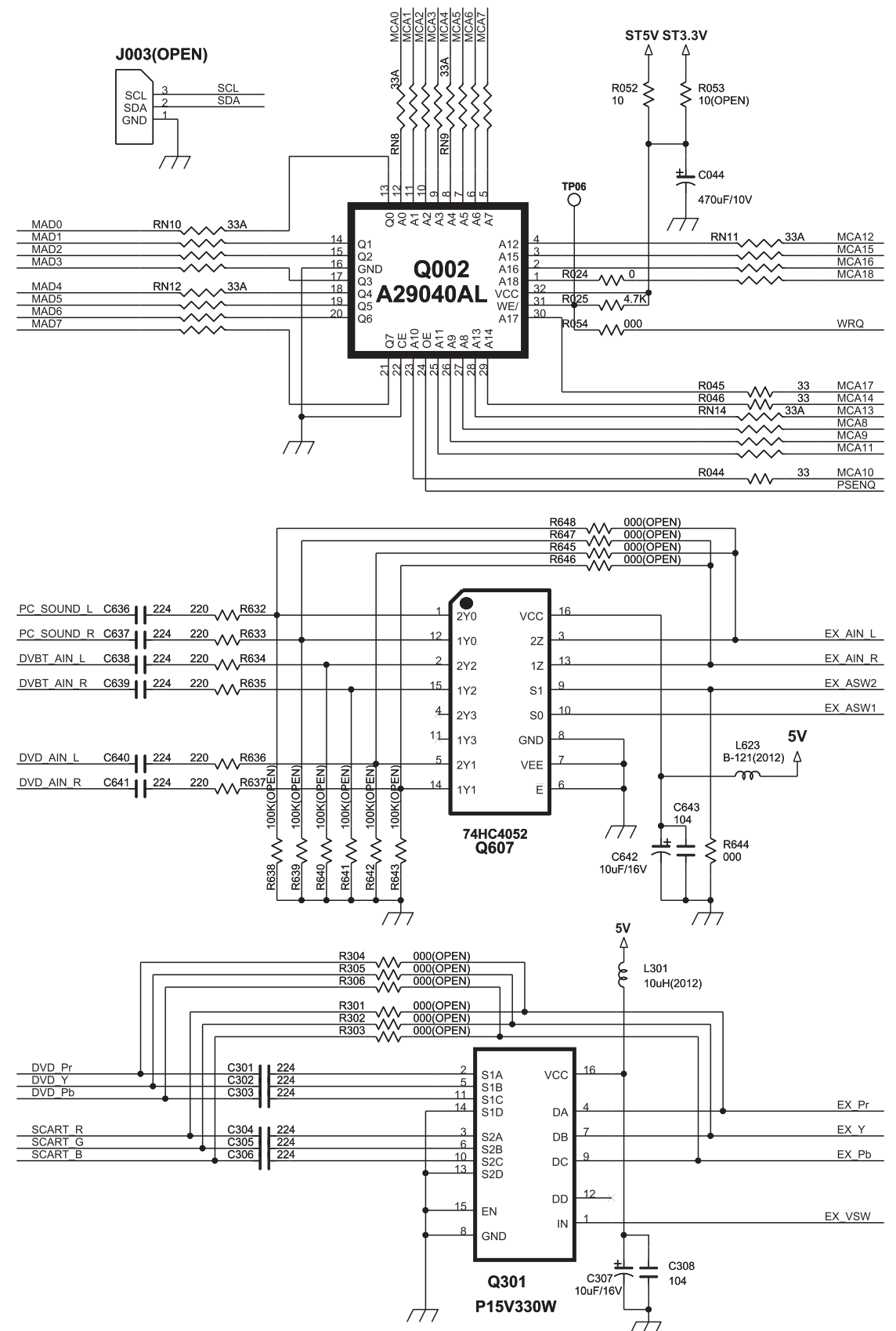
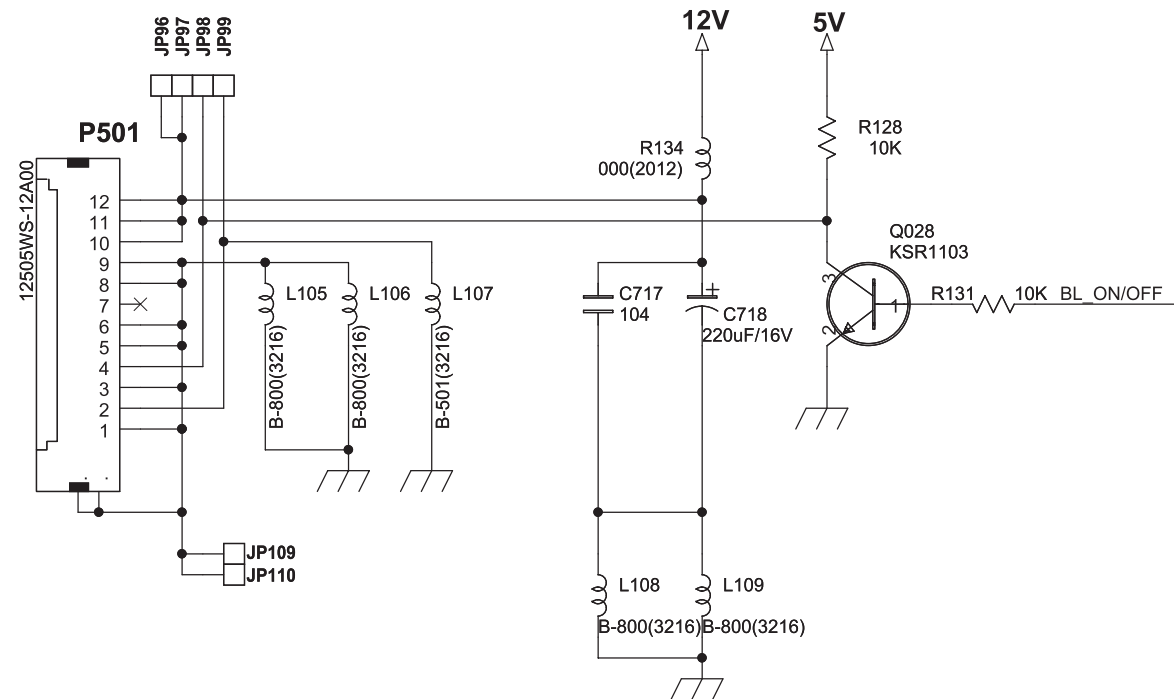




7-3 U-COM & MSP & DEC IC(VCT49XY)



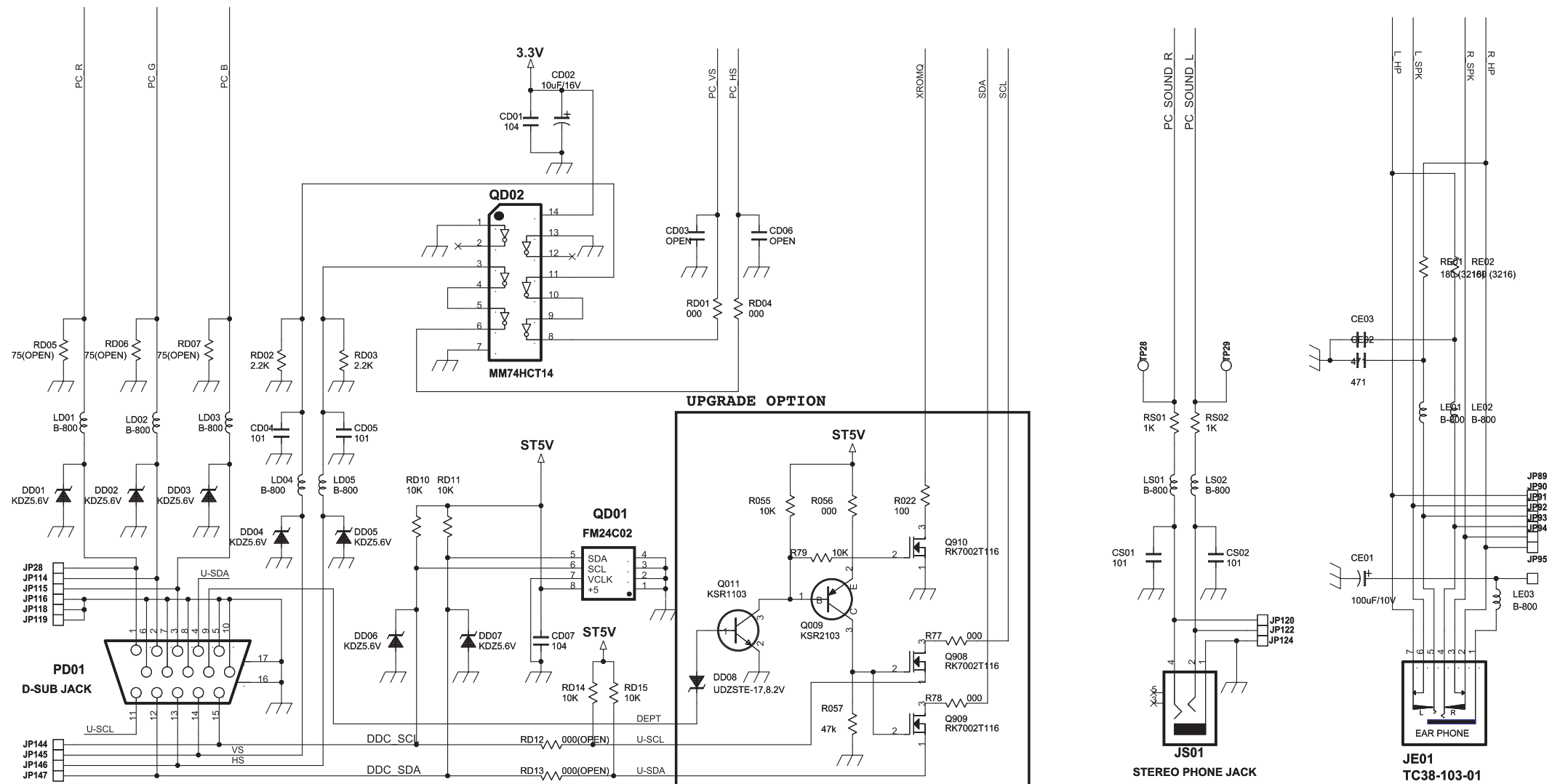
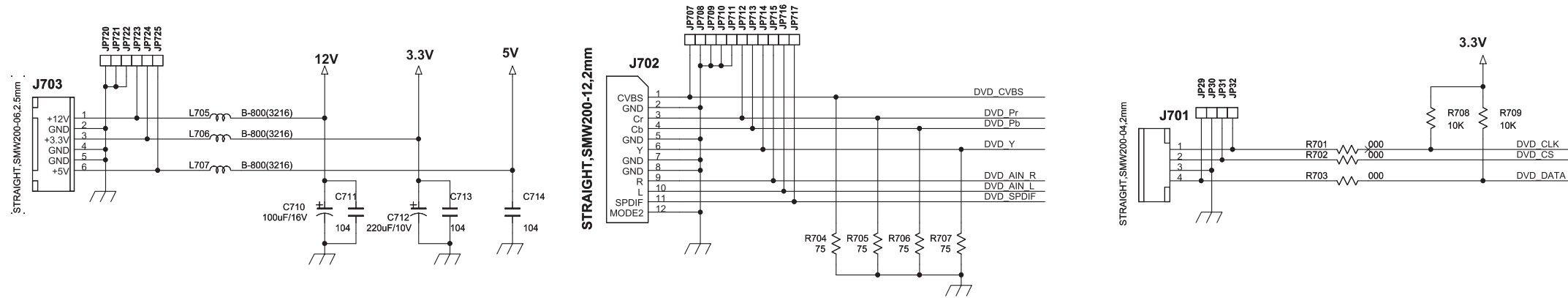
7-4 17'' OPTION & AV SWITCH



7-5 SCART & AMP

The schematic diagram illustrates the SCART and AMP circuitry. It features a central audio amplifier (TDA7266D, Q601) with multiple input and output channels. The SCART input section (JB01) includes SCART FB, SCART R, SCART G, SCART B, SCART ID, AV1 IN L, AV1 IN R, TV AOUT L, and TV AOUT R. The SCART output section (JA01) includes DTV Y, DTV Pb, and DTV Pr. The audio section (JA02) includes SPK OUT L, SPK OUT R, and TV AOUT L, R. The diagram also shows a WIRELESS HEAD PHONE OPTION and a 3.3V regulator section.

7-6 PC & DVD JACK



7-7 TUNER & DVBT(OPTION)

