

# Service Manual LCD TV

**CHASSIS : SL-300V**

**Model : DLV-32C7SMB  
DLV-37C7LMB  
DLV-42C7LMB**

**Caution**

: In this Manual, some parts can be changed for improving. their performance without notice in the parts list. So, if you need the latest parts information, please refer to PPL(Parts Price List)in Service Information Center.

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# 1. Safety Precaution

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- (1) When moving or laying down a LCD Set, at least two people must work together. Avoid any impact towards the LCD Set.
- (2) Do not leave a broken LCD Set on for a long time. To prevent any further damages, after checking the condition of the broken Set, make sure to turn the power (AC) off.
- (3) When opening the BACK COVER, you must turn off power (AC) to prevent any electric shock.
- (4) When loosening screws, check the position and type of the screw. Sort out the screws and store them separately for reassembling. Because screws holding PCBs are working as electric circuit grounding, make sure to check if any screw is missing when assembling / reassembling. Do not leave any screws inside the set.
- (5) A LCD Set contains different kinds of connector cables. When connecting or disconnecting cables, check the direction and position of the cable beforehand.
- (6) Connect/disconnect the connectors slowly with care especially FFC (film) cables and FPC cables. Do not connect or disconnect connectors instantaneously with force, and handle them carefully for reassembling.
- (7) Connectors are designed so that if the number of pins or the direction does not match, connectors will not fit. When having problem in plugging the connectors, check their kind, position, and direction.

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## 2. Preliminary Troubleshooting

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- 1) LCD TV does not response or remote controller does not work.
  - Check the power cord to be plugged.
  - Check the battery of the remote controller.
  
- 2) Sound is discontinuous or broken sometimes.
  - Check if [SOUND] -> [AVC] is [ON].
  - Set the sound effect into 'F Mono'.
  - Set the [SOUND] -> [DTV Volume] into proper value.
  - [DTV Volume] is enabled only in digital program.
  
- 3) Picture of digital program is sometimes broken and sound is discontinuous.
  - Digital program has a little problem because of signal receiving status.
  - Check if the RF cable is correctly connected.
  - Ask for the broadcasting station if the RF cable connection has no problem.
  
- 4) Picture of analog program is noisy.
  - Check the RF cable connection.
  - Check if [Picture] -> [Noise Reduction] is ON.
  - Change the [Install] -> [Programme Setup] -> [Fine] value.
  
- 5) Sound is not generated in HDMI mode.
  - Reconnect HDMI jack.
  - DVI signal has no sound. Check the output signal of device to be connected to LCD TV.
  - If you want to use DVI-HDMI cable, you should also connect audio cable into the LCD TV.
  
- 6) In spite of 'Auto Setup', picture size is not completely adapted to the screen.
  - Check if the input signal is available.
  - Ensure that the desktop has no black area.
  - Some errors (picture position problem) will be occurred according to certain video card.  
In this case, you should adjust 'Frequency' control.
  
- 7) In spite of 'Auto Setup', picture is not clear.
  - Adjust 'Phase' control.

### 3. Product Specification

#### 1) Standard of Product

	Features	<b>DLV-32C7SMB</b>	<b>DLV-37C7LMB</b>	<b>DLV-42C7LMB</b>
<b>LCD Panel</b>	Panel Model	LTA320WT-LF2	LC370WX1-SL01	LC420WX5-SLA1
	Screen Size	81 cm	93 cm	106 cm
	Aspect Ratio	16 : 9	16 : 9	16 : 9
	Resolution	1366 X 768 (WXGA)	1366 X 768 (WXGA)	1366 X 768 (WXGA)
	Pixel Pitch	0.51075 mm	0.60000 mm	0.68100 mm
	Contrast Ratio	5000 : 1 (MAX)	5000 : 1 (MAX)	5000 : 1 (MAX)
	Brightness	550 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>	500 cd/m <sup>2</sup>
<b>TV System</b>	Receiving System	DVB-T PAL-B/G PAL-B/H NTSC (AV)	DVB-T PAL-B/G PAL-B/H NTSC (AV)	DVB-T PAL-B/G PAL-B/H NTSC (AV)
<b>LVDS Cable</b>		FI-E30S	FL-X30SSL-HF	FL-X30SSL-HF
<b>LVDS B+</b>		+5V	+12V	+12V
<b>Input Connector</b>	RF	50 Ohm Coaxial	50 Ohm Coaxial	50 Ohm Coaxial
	S-Video / Video	2	2	2
	Component	RCA X 2	RCA X 2	RCA X 2
	PC RGB	D-Sub X 1	D-Sub X 1	D-Sub X 1
	PC Audio	3.5 mm Mini - Jack	3.5 mm Mini - Jack	3.5 mm Mini - Jack
	HDMI	1	1	1
<b>Output Connector</b>	SPDIF	Optical - Jack	Optical - Jack	Optical - Jack
	Headphone	X	X	X
	Monitor - out	1	1	1
<b>Sound Output</b>	Max.	10W	10W	10W
<b>Power Module</b>	Model	FEL-3237A	FEL-3237A	FEL-42C1
<b>Power Consumption</b>	Max.	155W	195W	198W
	Power Source	220-240V~ 50-60Hz	220-240V~ 50-60Hz	220-240V~ 50-60Hz
<b>Dimension (W x H x D)</b>	Set Dimension (with stand)	806 x 628.5 x 240 mm	940 x 720 x 328.7 mm	1037 x 788.7 x 328.7 mm
	Set Dimension (without stand)	806 x 574.5 x 114 mm	940 x 655 x 130 mm	1037 x 723.8 x 124.9 mm
<b>Wall Mount</b>	Dimension	315 x 235 x 50 mm	315 x 235 x 50 mm	698 x 460 x 46.6 mm
	Hall Size	100 x 200 screw ø 4mm	100 x 200 screw ø 4 mm	400 x 600 screw ø 6 mm

Owing to our policy of continuous improvement, specifications may change.

## Product Specification

### 2) Available Input Signal

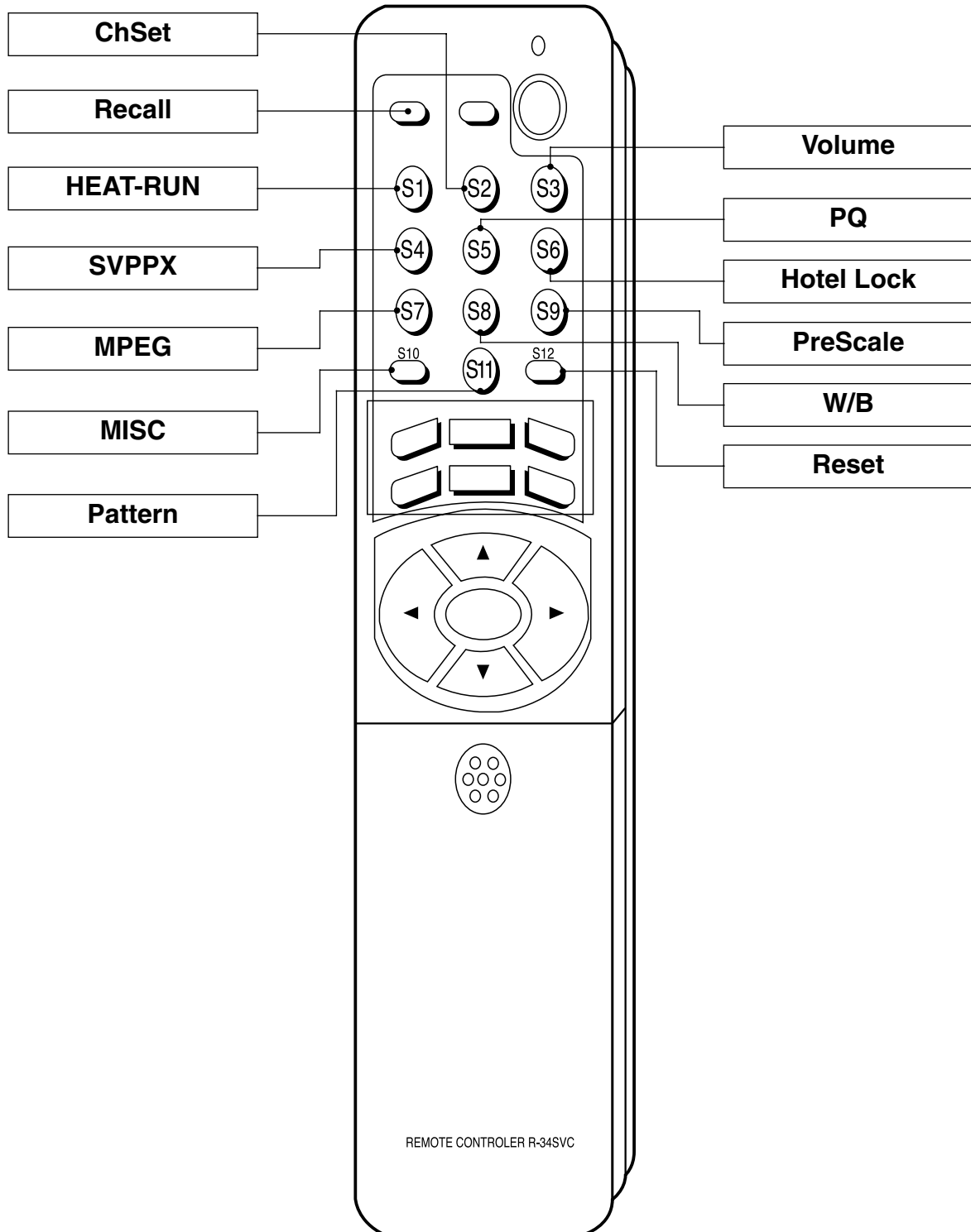
INTERFACE	SOURCE	VF	INTERFACE	SOURCE	VF
RF	PAL-B/G, B/H	50Hz	HDMI	640x480	60Hz
	DVB-T	50Hz		640x480	75Hz
VIDEO	PAL-B/G, B/H	50Hz		800x600	60Hz
	PAL-60	60Hz		800x600	72Hz
	NTSC-M	60Hz		800x600	75Hz
	NTSC-443	60Hz		1024x768	60Hz
S-VIDEO	PAL-B/G, B/H	50Hz		1024x768	70Hz
	PAL-60	60Hz		1024x768	75Hz
	NTSC-M	60Hz		1280x1024	60Hz
	NTSC-443	60Hz		1360x768	60Hz
COMPONENT	480i	60Hz		480p	60Hz
	480p	60Hz		576p	50Hz
	576i	50Hz		720p	50Hz
	576p	50Hz		720p	60Hz
	720p	50Hz		1080i	50Hz
	720p	60Hz		1080i	60Hz
	1080i	50Hz			
	1080i	60Hz			
PC	640x480	60Hz			
	640x480	75Hz			
	800x600	60Hz			
	800x600	72Hz			
	800x600	75Hz			
	1024x768	60Hz			
	1024x768	70Hz			
	1024x768	75Hz			
	1280x1024	60Hz			
	1360x768	60Hz			

### 3) Available PIP Mode

MODE	Analog RF	Digital RF	VIDEO 1	VIDEO 2	COMP 1	COMP 2	HDMI	PC
ATV	X	X	X	X	○	○	X	X
DTV	X	X	○	○	○	○	X	X
VIDEO 1	X	○	X	X	X	X	X	X
VIDEO 2	X	○	X	X	X	X	X	X
COMP 1	○	○	X	X	X	X	X	X
COMP 2	○	○	X	X	X	X	X	X
HDMI	X	X	X	X	X	X	X	X
PC	X	X	X	X	X	X	X	X

# 4. Service Remote Controller

## 1) Key Arrangement



## Service Remote Controller

### 2) EEPROM Data

Key		Content	Default Value	Description
S2	ChSet	Panel Model	SS32	Current LCD Panel
		EDID & Ch Set	0	EDID & CH Update
S3	Volume	Volume Test	0	Don't Care
S4	SVPPX	PAL Sub Brt	0x20	ATV Bright Control
		PAL Sub Cont	0x80	ATV Contrast Control
		AV Sub Brt	0x20	Video Bright Control
		AV Sub Cont	0x80	Video Contrast Control
		Video Sub Cb Sat	0x80	Video Cb Color
		Video Sub Cr Sat	0x80	Video Cr Color
		Video Sub Hue	0x0	Video Hue
		Video YC Delay	0x0	Video YC Delay
		Pedestal	ON	Pedestal Level ON/OFF
		Chroma AGC	0x8A	Sub Carrier AGC
		CVBS AGC	ON	CVBS AGC
		Anti-alias	OFF	Anti-alias ON/OFF
		PC G Clamp	0x44	PC G Clamp Level Control
		PC B Clamp	0x44	PC B Clamp Level Control
		PC R Clamp	0x44	PC R Clamp Level Control
		PC G Gain	0x50	PC G Gain Control
		PC B Gain	0x50	PC B Gain Control
		PC R Gain	0x50	PC R Gain Control
		Com 480i Y Clamp	0x30	480i Y Clamp Level Control
		Com 480i Pb Clamp	0x200	480i Pb Clamp Level Control
		Com 480i Pr Clamp	0x200	480i Pr Clamp Level Control
		Com 480i Y Gain	0x50	480i Y Gain Control
		Com 480i Pb Gain	0x50	480i Pb Gain Control
		Com 480i Pr Gain	0x50	480i Pr Gain Control
		Com HD Y Clamp	0x30	480p~ Y Clamp
		Com HD Pb Clamp	0x200	480p~ Pb Clamp
		Com HD Pr Clamp	0x200	480p~ Pr Clamp
		Com HD Y Gain	0x50	480p~ Y Clamp
		Com HD Pb Gain	0x50	480p~ Pb Clamp
		Com HD Pr Gain	0x50	480p~ Pr Clamp
Sync Threshold	0x0	Component Sync Slicing Level Control		
S5	PQ	Dp B/L Cont	0	Black & White Contrast
		Main CVBS Cont	128	Main Picture CVBS Contrast
		Main CVBS Bright	128	Main Picture CVBS Brightness
		Main DTV Cont	128	Main Picture DTV Contrast
		Main DTV Bright	112	Main Picture DTV Brightness
		Main HDMI Cont	128	Main Picture HDMI Contrast
		Main HDMI Bright	128	Main Picture HDMI Brightness
		Main Comp PC Cont	130	Main Picture COMP & PC Contrast



## Service Remote Controller

Key		Content	Default Value	Description
		Main Comp PC Bright	120	Main Picture COMP & PC Brightness
		PIP CVBS Cont	128	Sub Picture CVBS Contrast
		PIP CVBS Bright	138	Sub Picture CVBS Bright
		PIP DTV Cont	138	Sub Picture DTV Contrast
		PIP DTV Bright	128	Sub Picture DTV Brightness
		PIP COMP Cont	128	Sub Picture COMP Contrast
		PIP COMP Bright	128	Sub Picture COMP Brightness
		Dp Hue	64	Main Picture Tint Control
		Main V Delay	8	Main Picture Cr Delay
		Main U Delay	8	Main Picture Cb Delay
		Sub V Delay	8	Sub Picture Cr Delay
		Sub U Delay	8	Sub Picture Cb Delay
		Peaking	38	Peaking Control
		APL Enable	ON	APL Enable
		APL Luma Factor	192	APL Luma Factor
		APL Gain	128	APL Gain
		Filter	0	Band Pass Filter
		Gamma Enable	ON	Gamma Enable
S6	Hotel Lock	CH Preset Lock	OFF	Auto Programme function ON/OFF
		Volume Max	100	Max Volume
		AV Lock	OFF	AV Lock ON/OFF
		Child Lock	OFF	Child Lock ON/OFF
		RF Auto	YES	Auto shutdown without signal at RF
S7	MPEG	DTV V Size	100	Don't Care
		DTV H Size	93	Don't Care
		DIAHighThreshold Y	0	Don't Care
		DIAHighThreshold C	0	Don't Care
		DIALowThreshold Y	0	Don't Care
		DIALowThreshold Y	0	Don't Care
S8	WB	Bias R	31	R Bias
		Bias G	31	G Bias
		Bias B	34	B Bias
		Gain R	22	R Gain
		Gain G	32	G Gain
		Gain B	30	B Gain
		Sub Brt	31	Don't Care
		Sub Cont	0	Don't Care
		Contrast-R	1.039	Don't Care
		Contrast-G	1.078	Don't Care
		Contrast-B	1.070	Don't Care
S9	PreScale	SC Pscale	22	Don't Care
		FM Pscale	24	Don't Care

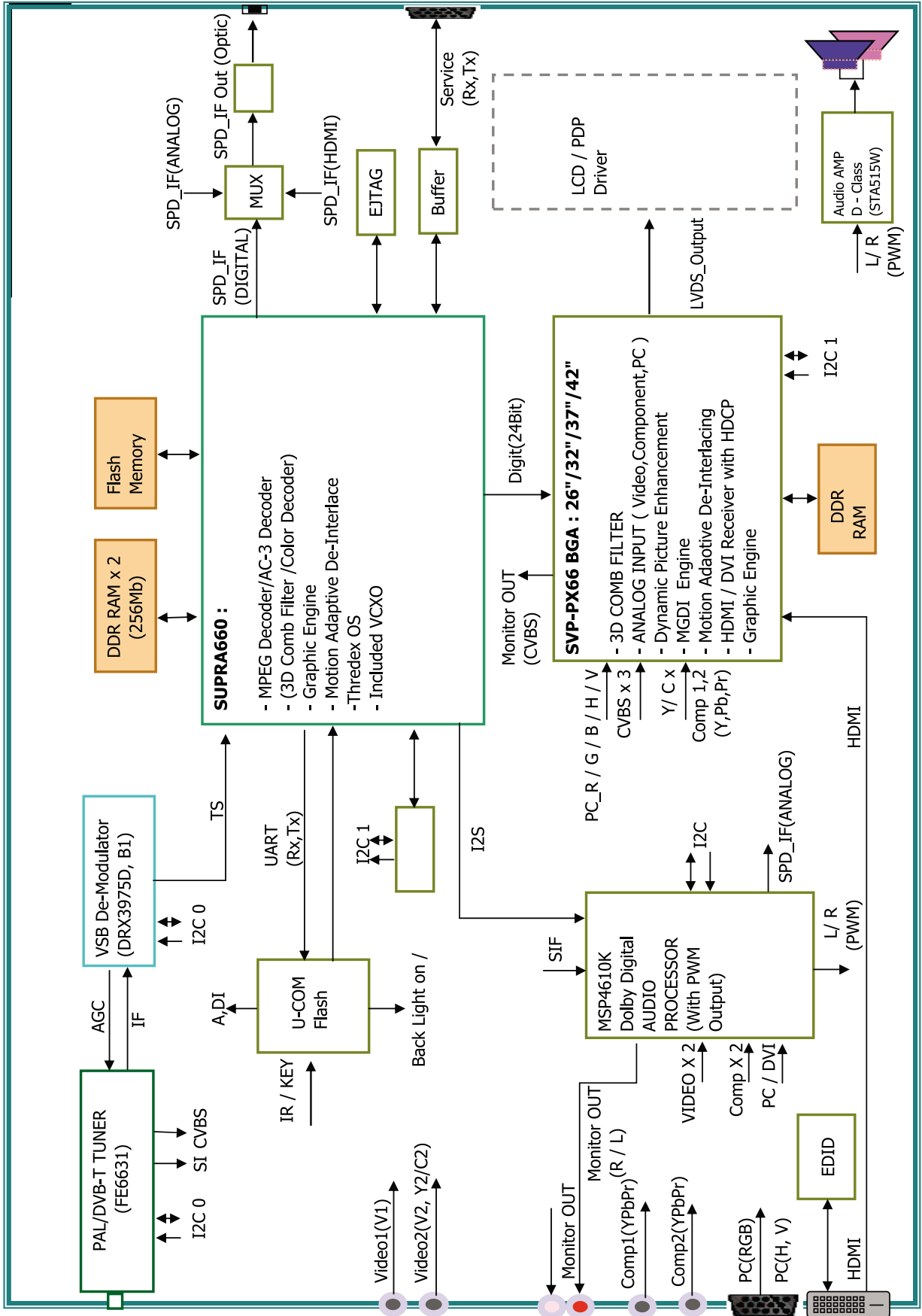
## Service Remote Controller

Key		Content	Default Value	Description
		Stereo ID	10	Don't Care
		Dimming(LCD)	255	Don't Care
		SSC Enable	ON	Spread Spectrum ON/OFF
		SSC Delta	0	Don't Care
		SSC posi	0	Don't Care
		SSC nega	0	Don't Care
		BBE Level	48	BBE Level
		MVOICE Level	96	MVOICE Level
		Sound Delay(ms)	40	Sound Delay
S10	MISC	Panel Model	SS32	Current LCD Panel
		EDID Update	OFF	EDID Update
		Model	SL-300V	Chassis
		S/W Version	SL-300V_##_####_L#####V#DP	Decoder S/W Version
		Micom Version	SL-300V_L#####V##M	PIC Micom S/W Version
		Micom Update	OFF	Micom Update Mode
		OS_DbgPrintf	OFF	Debugging Mode
		Digital Signal Status	OFF	Digital Signal Status
		Digital Index Status	OFF	Don't Care
		RF Software Update	OFF	RF S/W Update Mode
		S1 HeatRun Enable	OFF	HeatRun Enable Mode
		Digital Index level	0	Don't Care
S11	Pattern	Test Pattern	0	Don't Care
S12	Reset	Factory Reset	0	Factory Reset
		Eeprom Reset	0	EEPROM Reset

- [S12] -> [Reset] -> [Eeprom Reset] : EEPROM has default value.
- [S10] -> [MISC] -> [Panel Model] : This data should be set according to each model
  - : DLV-32C7SMB -> SS32
  - : DLV-37C7LMB -> LG37
  - : DLV-42C7LMB -> LG42
- [S5] -> [PQ] -> [Brightness & Contrast] : This data can be changed only in each mode.
  - : For example, [Main DTV Cont] value can be changed only in DTV mode.
- [S6] -> [Hotel Lock] -> [CH Preset Lock] : ON means [Auto Programme] can not be functioning.
- [S6] -> [Hotel Lock] -> [Volume Max] : This value will be max volume of user control.
- [S6] -> [Hotel Lock] -> [AV Lock] : ON means the unit will be locked at AV1.
- [S6] -> [Hotel Lock] -> [Child Lock] : ON means the side buttons will not be functioning.
- [S6] -> [Hotel Lock] -> [RF Auto] : ON means the unit will be turned off automatically after 30 minutes without signal at RF mode.

# 5. Block Diagram

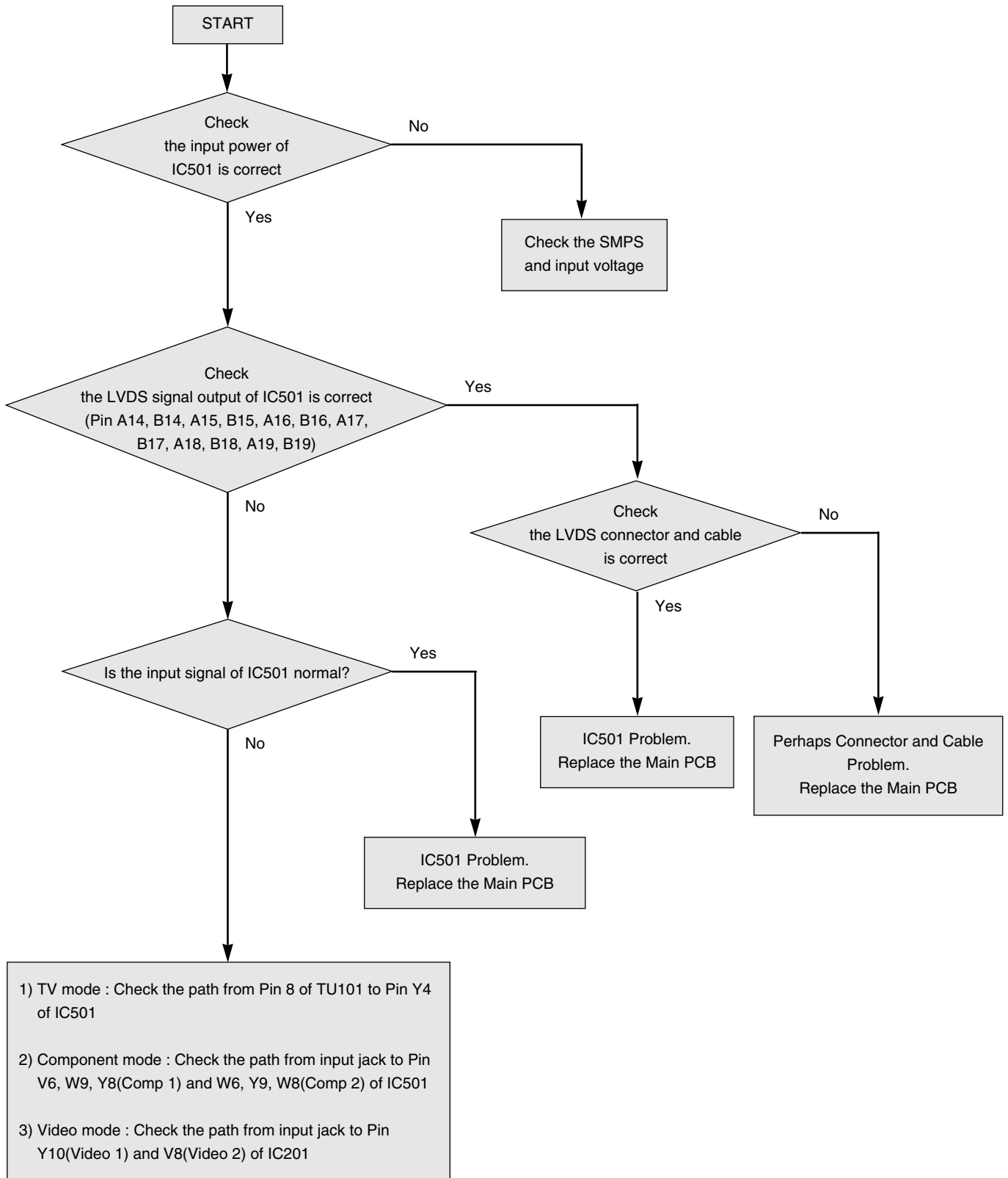
Signal Block Diagram : ZORAN



## 6. Hardware Troubleshooting : Digital Board

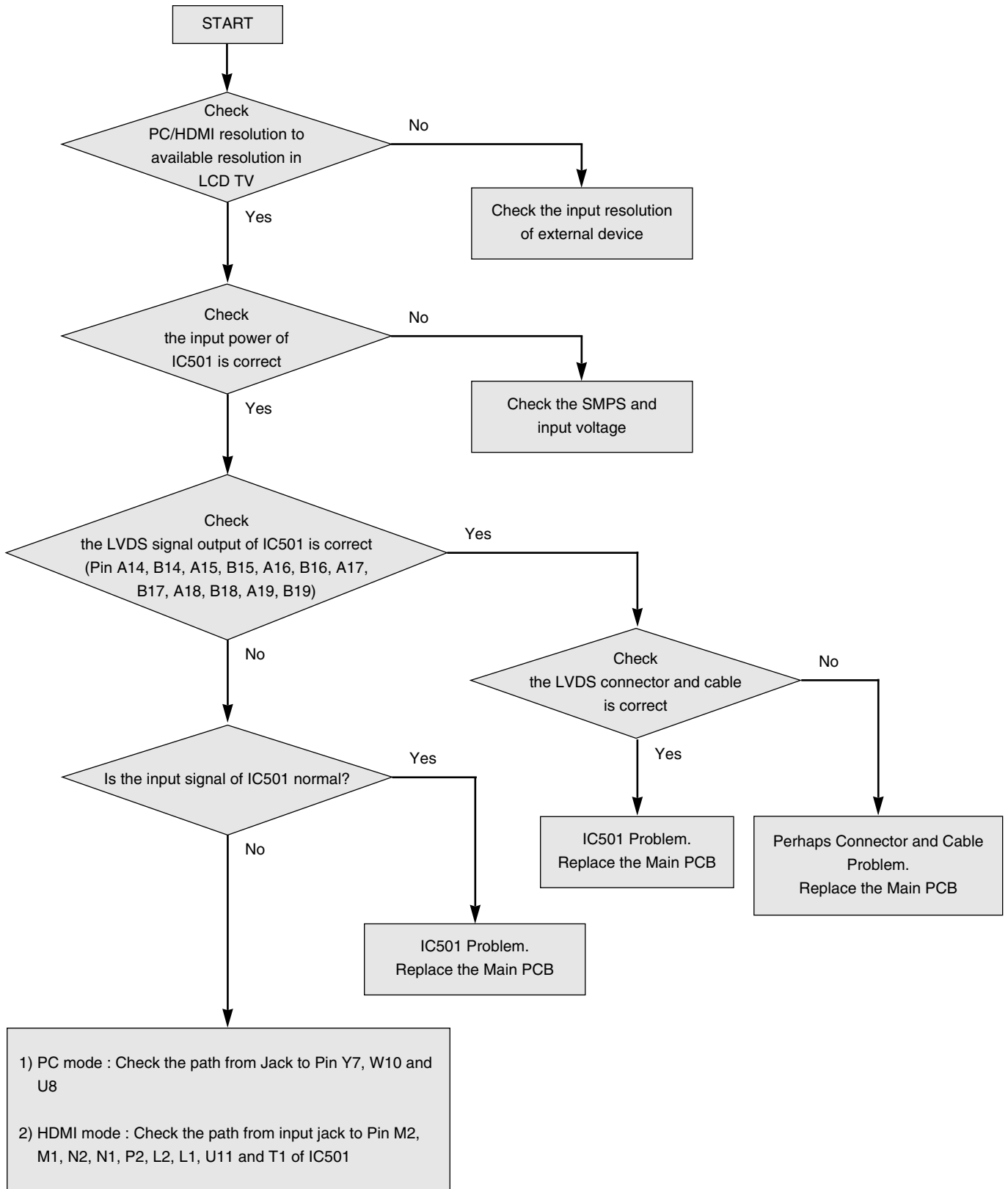
1) In spite of sound output, the screen is black.

1.1 In case of ATV, DTV, VIDEO and COMPONENT mode.



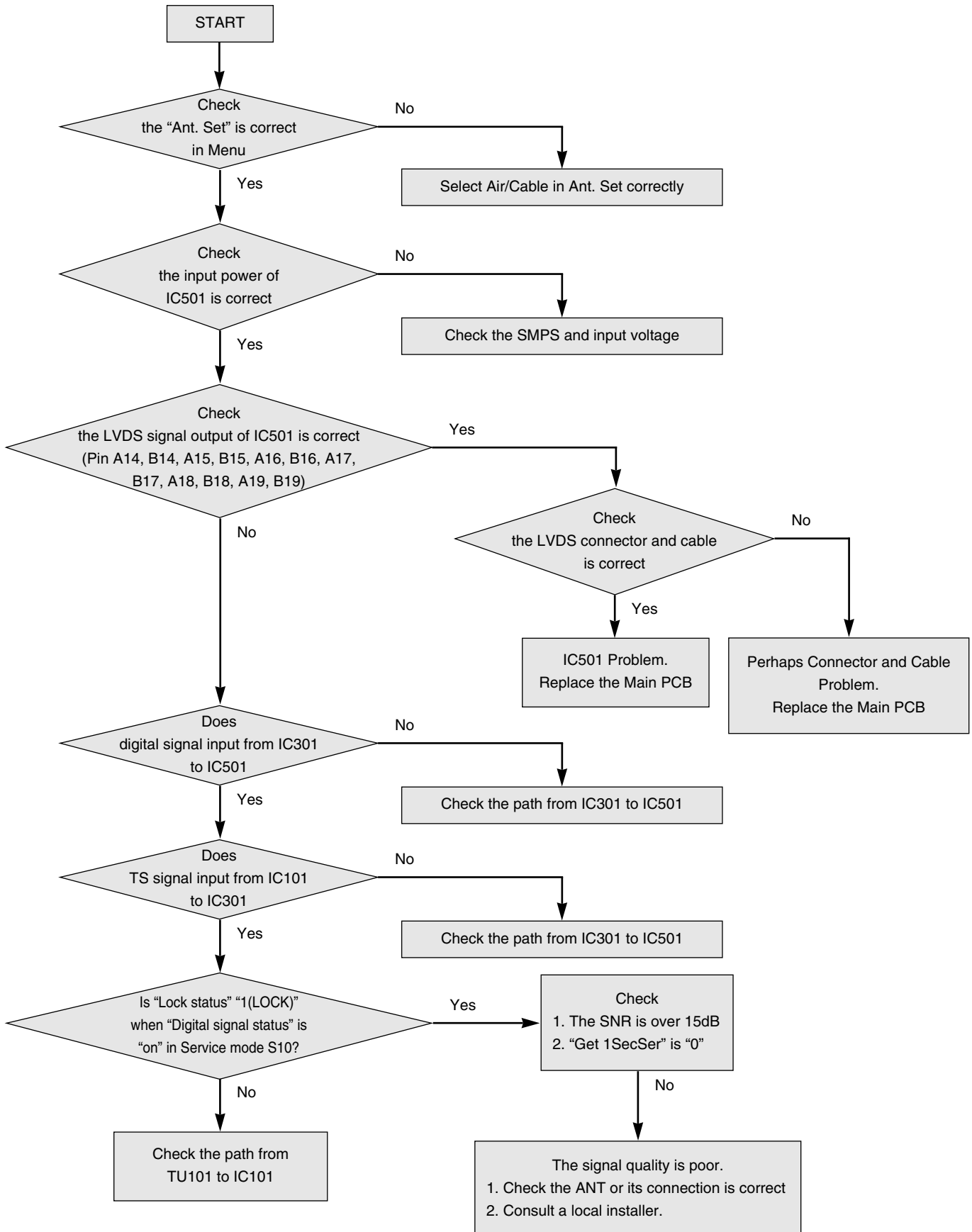
# Hardware Troubleshooting : Digital Board

## 1.2 In case of PC and HDMI mode



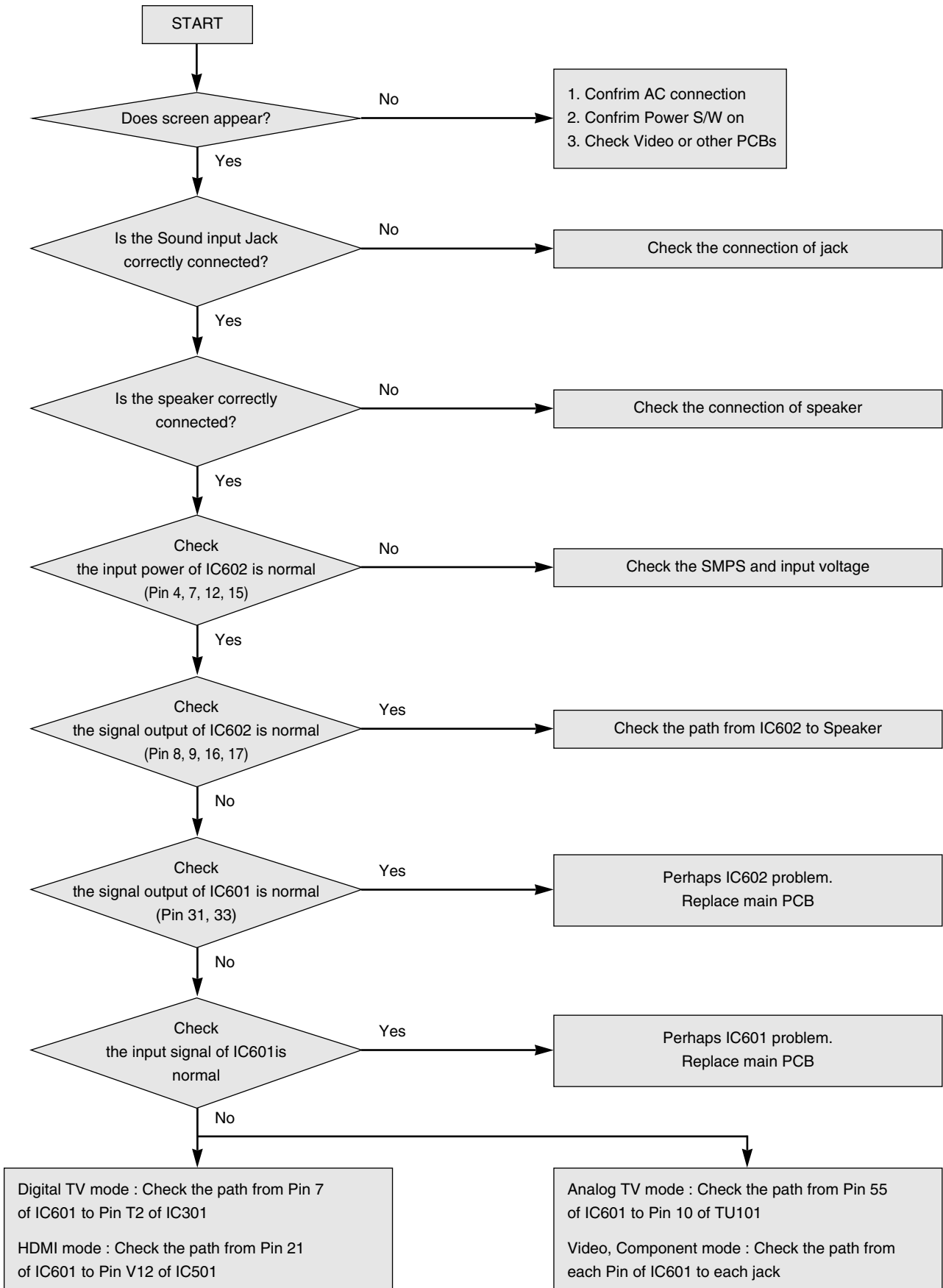
# Hardware Troubleshooting : Digital Board

## 1.3 In case of DTV mode




## Hardware Troubleshooting : Digital Board

2) In spite of picture display, the sound is not generated.



# 7. Hardware Troubleshooting : SMPS

## 1) FEL-3237A : DLV-32C7SMB, DLV-37C7LMB

		'CHECKING FLOW ABOUT INFERIOR SMPS' (MODEL NAME : FEL-3237A)
		PAGE : 1/2
1. Stand-by 5V is working out.		
A. Can you check In-put voltage(DC) of the capacitor(Location No. : C22)?		
A. Can you check that Vcc voltage of IC3 was supplied from DC15V to DC27V?		
YES	YES	1.1 Checking open and short of Out-put side wire cable.
	NO	1.2. Checking open and short of the around parts that was connected IC3(STR-A6151). (Location No. : R4, R5, D4, D5, D7) 1.3. Checking open and short of IC3's each pins. 1.4. Checking open and short of 5V's Out-put diode. (Location No. : D13)
NO		1.5. Can you check the Fuse(F1) condition(open and short)? <b>YES</b> : Checking 1.2 item after changing FUSE. <b>NO</b> : Checking 1.6 item. 1.6. Checking open and short of BD1, BD2. <b>YES</b> : Changing BD1, BD2. <b>NO</b> : Checking open and short of Z1, LF1, LF2, C1, C2.
2. MAIN Out-put voltage is working out but Stand-by 5V is working.		
A. Can you check that it is working normal at Power On after discharging for 1 minute from Power Off?		
YES : It's protection due to out-put short of the moment through worker's carelessness.		
NO : Checking 2.1 item.		
A. Is Power On signal(3.3V) supplied to Base of Q4?		
B. Can you check the Q4's condition(open and short)?		
YES	NO	2.1. Can you check the D4's condition(open and short)? <b>YES</b> : Changing D4. <b>NO</b> : Checking 2.2 item. 2.2. Is Relay connected? <b>YES</b> : Checking 2.3 item. <b>NO</b> : Changing Relay. 2.3. Can check the voltage(AC 400V) of AC rectifying side C23? <b>YES</b> : Checking 2.5 item. <b>NO</b> : Checking 2.5 item after checking the conditions(open and short) of the around parts that was connected IC1. (Location No. : R14, R65, Q1, D1, D23, D12, IC1)
	YES	2.4. changing Q4.
		C. Can you check that Vcc voltage of IC2's No.12pin was supplied from DC10V to DC12V?
NO		2.5. Can you see the square wave(400mV, 32kHz) of Q2's source side when DC 13V was supplied to IC2's No.12pin from DC POWER SUPPLY? <b>(CAUTION : Test do it after AC Power Off)</b> <b>YES</b> : Checking 2.1 item after checking diode's condition(open and short) of Main Out-put side. (Location No. : D17, D18, D19, D16, D15, D14)  <b>NO</b> : Checking open and short of the around parts that was connected IC2. (Location No. : Q2, Q3, D25, D26, D24, R31, R32, R35, R36, R38, D9, D10, C17)
YES		2.6. Checking open and short of MAIN BOARD.
NO		2.7. Checking open and short of MAIN BOARD.



## Hardware Troubleshooting : SMPS



'CHECKING FLOW ABOUT INFERIOR SMPS' (MODEL NAME : FEL-3237A)

PAGE : 2/2

3. 5V's Out-put voltage is measured too high or low.

- A. Checking open and short of IC7.
- B. Checking open and short of R24, R25.
- C. Checking open and short of IC6.

4. 5V's Out-put voltage is work with intermittent mode.

- A. Is R5's condition good from open and short?  
**YES** : changing R5.      **NO** : Checking 1.3 and 1.4 items.  
(Checking open and short of MAIN BOARD if that 1, 3 and 1.4 items are no problem.)

5. Out-put voltage(DC12v, 24v, 30v) is measured too high.


- A. Checking open and short of IC5.
- B. Checking open and short of R44, R43.
- C. Checking open and short of IC4.

6. Out-put voltage(DC12v, 24v, 30v) is measured too low.

- A. Checking open and short of IC5.
- B. Checking open and short of R44, R43.
- C. Checking 2.3 item.

# Hardware Troubleshooting : SMPS

## 2) FEL-42C1 : DLV-42C7LMB

 <span style="float: right;">'CHECKING FLOW ABOUT INFERIOR SMPS' (MODEL NAME : FEL-42C1)</span>		
PAGE : 1/2		
1. Stand-by 5V is working out.		
A. Can you check In-put voltage(DC) of the capacitor(Location No. : C22)?		
A. Can you check that Vcc voltage of IC3 was supplied from DC15V to DC27V?		
YES	YES	1.1 Checking open and short of Out-put side wire cable.
	NO	1.2. Checking open and short of the around parts that was connected IC3(STR-A6151). (Location No. : R4, R5, D4, D5, D7) 1.3. Checking open and short of IC3's each pins. 1.4. Checking open and short of 5V's Out-put diode. (Location No. : D13)
NO		1.5. Can you check the Fuse(F1) condition(open and short)? <span style="color: red;">YES</span> : Checking 1.2 item after changing FUSE. <span style="color: red;">NO</span> : Checking 1.6 item. 1.6. Checking open and short of BD1, BD2. <span style="color: red;">YES</span> : Changing BD1, BD2. <span style="color: red;">NO</span> : Checking open and short of Z1, LF1, LF2, LF3, C1, C2.
2. MAIN Out-put voltage is working out but Stand-by 5V is working.		
A. Can you check that it is working normal at Power On after discharging for 1 minute from Power Off?		
YES : It's protection due to out-put short of the moment through worker's carelessness.		
NO : Checking 2.1 item.		
A. Is Power On signal(3.3V) supplied to Base of Q4?		
B. Can you check the Q4's condition(open and short)?		
YES	NO	2.1. Can you check the D4's condition(open and short)? <span style="color: red;">YES</span> : Changing D4. <span style="color: red;">NO</span> : Checking 2.2 item. 2.2. Is Relay connected? <span style="color: red;">YES</span> : Checking 2.3 item. <span style="color: red;">NO</span> : Changing Relay. 2.3. Can check the voltage(AC 400V) of AC rectifying side C23? <span style="color: red;">YES</span> : Checking 2.5 item. <span style="color: red;">NO</span> : Checking 2.5 item after checking the conditions(open and short) of the around parts that was connected IC1. (Location No. : R14, R65, Q1, D1, D23, D12, IC1)
	YES	2.4. changing Q4.
	C. Can you check that Vcc voltage of IC2's No.12pin was supplied from DC10V to DC12V?	
NO		2.5. Can you see the square wave(400mV, 38kHz) of Q2's source side when DC 13V was supplied to IC2's No.12pin from DC POWER SUPPLY? <b>(CAUTION : Test do it after AC Power Off)</b> <span style="color: red;">YES</span> : Checking 2.1 item after checking diode's condition(open and short) of Main Out-put side. (Location No. : D17, D18, D19, D16, D15, D14)  <span style="color: red;">NO</span> : Checking open and short of the around parts that was connected IC2. (Location No. : Q2, Q3, D19, D20, D8, R31, R32, R35, R36, R38, D9, D10, C15)
YES		2.6. Checking open and short of MAIN BOARD.
NO		2.7. Checking open and short of MAIN BOARD.

## Hardware Troubleshooting : SMPS



'CHECKING FLOW ABOUT INFERIOR SMPS' (MODEL NAME : FEL-42C1)

PAGE : 2/2

3. 5V's Out-put voltage is measured too high or low.

- A. Checking open and short of IC7.
- B. Checking open and short of R24, R25.
- C. Checking open and short of IC6.

4. 5V's Out-put voltage is work with intermittent mode.

- A. Is R5's condition good from open and short?  
**YES** : changing R5.      **NO** : Checking 1.3 and 1.4 items.  
(Checking open and short of MAIN BOARD if that 1, 3 and 1.4 items are no problem.)

5. Out-put voltage(DC12v, 24v, 30v) is measured too high.

- A. Checking open and short of IC5.
- B. Checking open and short of R44, R43.
- C. Checking open and short of IC4.

6. Out-put voltage(DC12v, 24v, 30v) is measured too low.

- A. Checking open and short of IC5.
- B. Checking open and short of R44, R43.
- C. Checking 2.3 item.

# 8. Bill Of Materials

## 1) DLV-32C7SMB

LOC	PART CODE	PART NAME	DESCRIPTION
ZZ100	48B565B02	TRANSMITTER REMOCON	R-55B02 (AAA)
ZZ110	PTACPWG207	ACCESSORY AS	DLV-32C3SMBS
60	4850C01210	BATTERY	LR03 AAA ALKALINE
M212	4852176101	COVER BOTTOM	ABS BK
M681	4856819300	CLAMP WIRE	NYLON 66
M821	4858213803	BAG INSTRUCTION	L.D.P.E TO.05X250X400(+20)
M861	48586210E1	MANUAL INSTRUCTION	ENGLISH
P801A	48599HM001	CORD POWER AS	SAALP-23A LS-13 2.0M (LF)
ZZ120	PTBCSHG207	COVER BACK AS	DLV-32C3SMBS
M211	4852177003	COVER BACK	FR HIPS BK (NON-DECA)
M211A	4857818702	CLOTH BLACK	FELT TO.7 L=350 W=15
M384	4853829200	FRAME WALL KIT	SECC T=2.0
M384A	7172401452	SCREW TAPPTITE	TT2 TRS 4X14 MFZN BK 3CR
M593	4855945500	DECO SIDE AV	PVC 0.3T
ZZ130	PTPKCPG281	PACKING AS	DLV-32C7SMB
M681	4856812400	BAND PP AUTO	T1.1XW17MMXL770M
M801	4858071300	BOX CARTON	DW-3
M811	485819DB00	PAD	EPS
M822	4858219201	BAG P.E	P.E FOAM TO.5X1100X950
ZZ140	PTCACAG281	CABINET AS	DLV-32C7SMB
M124	485A110570	SHIELDRON	40X100X10(T)
M125	485A109670	SHIELDRON	10X7X1.0T
M126	485A109670	SHIELDRON	10X7X1.0T
M191	4851957403	SHIELD CASE AS	7255702+5944603
M201B	7173301052	SCREW TAPPTITE	TT2 BIN 3X10 MFZN BK 3CR
M201C	7173301052	SCREW TAPPTITE	TT2 BIN 3X10 MFZN BK 3CR
M201D	7172401452	SCREW TAPPTITE	TT2 TRS 4X14 MFZN BK 3CR
M201E	7003400651	SCREW MACHINE	BIN 4X6 MFZN 3CR
M201F	4856815910	CLAMP WIRE	EGI TO.4+TUBE+PIE 4.2
M211A	7172401452	SCREW TAPPTITE	TT2 TRS 4X14 MFZN BK 3CR
M211B	7172401652	SCREW TAPPTITE	TT2 TRS 4X16 MFZN BK 3CR
M211C	7172401452	SCREW TAPPTITE	TT2 TRS 4X14 MFZN BK 3CR
M211E	7172401452	SCREW TAPPTITE	TT2 TRS 4X14 MFZN BK 3CR
M321	4853296800	BRKT STAND	SECC T1.6
M321A	7172401452	SCREW TAPPTITE	TT2 TRS 4X14 MFZN BK 3CR
M322	4853296900	BRKT STAND BOX	SECC T1.0
M322A	7172401452	SCREW TAPPTITE	TT2 TRS 4X14 MFZN BK 3CR
M322B	7172401452	SCREW TAPPTITE	TT2 TRS 4X14 MFZN BK 3CR
M382	4853829100	FRAME BAR	SECC T=1.2 (A-1 : AUO,SSE PANEL)
M382A	7003400651	SCREW MACHINE	BIN 4X6 MFZN 3CR
M382B	7172401452	SCREW TAPPTITE	TT2 TRS 4X14 MFZN BK 3CR
M491B	7172401452	SCREW TAPPTITE	TT2 TRS 4X14 MFZN BK 3CR
M541	485421200	SPEC PLATE	P.E 149X59
M721A	7178300852	SCREW TAPPTITE	TT2 WAS 3X8 MFZN BK 3CR
M723	4857255902	SHIELD JACK	AL 1100 T=1.0 (A-3 : SL-230D)
M723A	7178300852	SCREW TAPPTITE	TT2 WAS 3X8 MFZN BK 3CR
M723B	7178300852	SCREW TAPPTITE	TT2 WAS 3X8 MFZN BK 3CR
MAK4A	4850K01400	CORE FERRITE	BNF-12
MK202	4850K01700	CORE FERRITE	BNF-1130
MK401	4850K01700	CORE FERRITE	BNF-1130
MK501	4850K01900	CORE FERRITE	BNF-1730
MK601	4850K01700	CORE FERRITE	BNF-1130
MK602	4850K01700	CORE FERRITE	BNF-1130
MK703	4850K01900	CORE FERRITE	BNF-1730
MK704	4850K01700	CORE FERRITE	BNF-1130
MK705	4850K01700	CORE FERRITE	BNF-1130
MK803	4850K01000	CORE FERRITE	BNF-18
MK804	4850K01400	CORE FERRITE	BNF-12
P501A	4859004160	CABLE LVDS	1001-31FC-N+FH10002-30-3212APSB=300
P803A	4850714S04	CONNECTOR	20022HS-14+20022HS+ULW=300
V901	485LD13320	LCD PANEL	LTA320WT-LF2
ZZ200	PTFMSJG281	MASK FRONT AS	DLV-32C7SMB
M201	4852094903	MASK FRONT	FR HIPS BK
M551	4855557201	DECO SENSOR	GPPS
M561	4855626000	MARK BRAND	SILVER DIA-CUTTING(DOUBLE FACED TAPE)L=85.P=30
M591	4855945901	DECO PLATE	ACRYL T2.0
ZZ210	PTSPPWG207	SPEAKER AS	DLV-32C3SMBS
P601A	4850703N44	CONNECTOR	SMH250-03+YRT205+YRT110+USW=600

LOC	PART CODE	PART NAME	DESCRIPTION
P602A	4850704S80	CONNECTOR	SMH250-04+YRT205+YRT110+USW=500
SP01	4858318510	SPEAKER	SP-45165F01C
SP01A	4856017800	SCREW SPKR FIX	SWRM+SECC 3CR
SP02	4858318510	SPEAKER	SP-45165F01C
SP02A	4856017800	SCREW SPKR FIX	SWRM+SECC 3CR
ZZ230	PTUNSWG281	PCB UNION AS	DLV-32C7SMB
100	2193110012	SOLDER WIRE	SAC3000 Ø3.0MM (LFA3C0-W3.0)
200	2193110024	SOLDER WIRE	SAC3005 Ø1.6MM (LFA3-107-W1.6)
300	2291050623	FLUX SOLDER LF	SV-PBF-304P(0.823)
400	2291050312	FLUX SOLVENT	S-3000
IC290	1TSOP34838	IC PREAMP	TSOP34838SJ
JP201	4859105340	JACK S-VHS	DSW-10 (STRAIGHT)
JP202	4859112850	JACK PIN	DPSS-0173(3P ST)
LED1	DSPR39MVV-	LED	SPR-39MVV (DUAL)
M232	4852333201	PANEL CTRL	HIPS BK
M491	4854964311	BUTTON CH	ABS GY
M491A	7178301051	SCREW TAPPTITE	TT2 WAS 3X10 MFZN 3CR
M551	4855557201	DECO SENSOR	GPPS
P201A	4850705N28	CONNECTOR	12505HS-05+12505TS+ULW=900
P202A	4850706S42	CONNECTOR	12505HS-06+12505HS-06+ULW=700
P203A	4850710N33	CONNECTOR	12505HS-10+12505HS-10+ULW=800
ZZ200	PTUNJG281	PCB UNION CHIP AS	DLV-32C7SMB
CC12	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
CC201	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
CC202	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
CC293	HCFK104ZBA	C CHIP CERA	50V Y5V 0.1MF Z 1608
LC01	HLC479K02B	L CHIP COIL	4.7UH MLF 1608
LC02	HLC479K02B	L CHIP COIL	4.7UH MLF 1608
RC20	HRFT432JBA	R CHIP	1/10 4.3K OHM J 1608
RC21	HRFT152JBA	R CHIP	1/10 1.5K OHM J 1608
RC22	HRFT152JBA	R CHIP	1/10 1.5K OHM J 1608
RC23	HRFT432JBA	R CHIP	1/10 4.3K OHM J 1608
RC24	HRFT113JBA	R CHIP	1/10 11K OHM J 1608
ZZ200	PTUNJRG281	PCB UNION RADIAL AS	DLV-32C7SMB
SW201	5S50101Z90	SW TACT	THVV502GDA
SW202	5S50101Z90	SW TACT	THVV502GDA
SW203	5S50101Z90	SW TACT	THVV502GDA
SW204	5S50101Z90	SW TACT	THVV502GDA
SW205	5S50101Z90	SW TACT	THVV502GDA
SW206	5S50101Z90	SW TACT	THVV502GDA
SW207	5S50101Z90	SW TACT	THVV502GDA
ZZ200	PTUNJG281	PCB UNION CHIP A AS	DLV-32C7SMB
110	2193220010	SOLDER CREAM(PB-FREE)	LST309-M(SN+3.0AG)0.5CU
A001	4859833614	PCB UNION	189X189
PW201	49590009S0	CONN WAFER	12505WR-05A00
PW202	49590001S0	CONN WAFER	12505WR-06A00
PW203	4859297920	CONN WAFER	12505WR-10A00
ZZ250	PTSNSWG207	STAND AS	DLV-32C3SMBS
M213	4852177301	COVER STAND BASE	HIPS BK
M383	4853831001	FRAME STAND	ABS BK
M383A	7172401452	SCREW TAPPTITE	TT2 TRS 4X14 MFZN BK 3CR
M521	4855219100	PLATE BASE STAND	SECC T2.0
M521A	7115401051	SCREW TAPPING	FLT 4X10 MFZN 3CR
M521C	4852937500	RUBBER BOTTOM	CR60 BK PHI 18.0 X T.3.0
ZZ290	PTMPMSG207	PCB MAIN MANUAL AS	DLV-32C3SMBS
100	2193110012	SOLDER WIRE	SAC3000 Ø3.0MM (LFA3C0-W3.0)
200	2193110024	SOLDER WIRE	SAC3005 Ø1.6MM (LFA3-107-W1.6)
300	2291050623	FLUX SOLDER LF	SV-PBF-304P(0.823)
400	2291050312	FLUX SOLVENT	S-3000
CE607	CEXF1H331V	C ELECTRO	50V RSS 330MF (10X20) TP
CE611	CEXF1E331V	C ELECTRO	25V RSS 330MF (10X12.5)TP
HS301	4857032501	HEAT SINK	AL EX BK L=26
HS501	4857032501	HEAT SINK	AL EX BK L=26
IC701	1PC18LF452	IC MICOM	PC18LF452-I/P
JK250	4859118050	JACK PIN	DPSE-9926S
JK270	4859105340	JACK S-VHS	DSW-10 (STRAIGHT)
L605	58C0000157	COIL CHOKE	CH-470X
L606	58C0000157	COIL CHOKE	CH-470X

# Bill Of Materials

LOC	PART CODE	PART NAME	DESCRIPTION
M121	485A110370	SHIELDRON	5X198X10(T)
M122	485A110470	SHIELDRON	5X115X10(T)
M123	485A110670	SHIELDRON	10X10X2(T)
M127	485A110770	SHIELDRON	5X70X12(T)
M128	485A110870	SHIELDRON	5X45X12(T)
M325	4853294100	BRKT POWER SW	SECC 1T
M325A	7172401252	SCREW TAPPTITE	TT2 TRS 4X12 MFZN BK 3CR
M381	4853829001	FRAME MAIN PCB	SECC T=1.2 (A-2 : 32C1/32C3)
M381A	7178300852	SCREW TAPPTITE	TT2 WAS 3X8 MFZN BK 3CR
M381B	7008300851	SCREW MACHINE	WAS 3X8 MFZN 3CR
M381C	4956800200	CLAMP WIRE	WS-A-2-19
M381D	4853748800	RETA PCB	NYLON 66
M381E	4856815900	CLAMP WIRE	EGI T0.4-TUBE+PIE 3.2
MK705	4850K01700	CORE FERRITE	BNF-1130
P201	485923162S	CONN WAFER	YW025-03 (STICK)
P202	4859201460	CONN D-SUB 9P	SHRA0209011
P203	4959102340	JACK PHONE	YKB21-5157
P204	4859201170	CONN OPTICAL SENSOR	OJ107A-T050-SHS
P205	4859117950	JACK PIN	DPSE-0415S
P206	4859113650	JACK PIN	YSC02P-1200-10S (2P ST)
P207	4859113650	JACK PIN	YSC02P-1200-10S (2P ST)
P208	4959200160	CONN D-SUB	SHF-015-B111-22/BR2-J0.6
P401	4859284920	CONN WAFER	SMW250-08
P601	4859284420	CONN WAFER	SMW250-03
P602	4859284520	CONN WAFER	SMW250-04
P703	4859231720	CONN WAFER	YW025-04
P703A	4850704582	CONNECTOR	YH025-04+YH025-04+ULW=300
P705	4859285020	CONN WAFER	SMW250-09
P705A	4850709N12	CONNECTOR	SMH250-09+SMH250-09+ULW=300
PM100	4850M13310	MODULE POWER	FEL-3237A
TU101	4859731030	TUNER VARACTOR	FE6631
W001	WP-0BK5005	WIRE LEAD 1007	AWG22 7/0.26 BK 5-50-5
W001	8P-07026BK	WIRE LEAD	AWG22 7/0.26 BK 1007
W002	WP-0BK1815	WIRE LEAD 1007	AWG22 7/0.26 BK 5-180-5
X301	5XJ24R576E	CRYSTAL QUARTZ	HC-49/S 24.576MHZ 30PPM
X501	5XJ28R32GE	CRYSTAL QUARTZ	HC-49/S 28.322MHZ 30PPM 16PF
X601	5XE18R432E	CRYSTAL QUARTZ	HC-49/U 18.43200MHZ 30PPM
X701	5XE20R000E	CRYSTAL QUARTZ	HC-49/U 20.000MHZ 30PPM
ZZ200	PTMPJ2G207	PCB MAIN CHIP B AS	DLV-32C3SMBS
CC101	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC102	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC103	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC104	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC178	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC179	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC180	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC181	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC182	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC183	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608
CC184	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC185	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC186	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC187	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608
CC188	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC189	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608
CC190	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608
CC191	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608
CC194	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608
CC195	HCQK220JBA	C CHIP CERA	50V CH 22PF J 1608
CC201	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC202	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC203	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC204	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC205	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC206	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC207	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC209	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC210	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608

LOC	PART CODE	PART NAME	DESCRIPTION
CC211	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC212	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC213	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC214	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC215	HCQK330JBA	C CHIP CERA	50V CH 33PF J 1608
CC217	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC219	HCBK221KBA	C CHIP CERA	50V X7R 220PF K 1608
CC241	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC242	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC251	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
CC252	HCBK222KBA	C CHIP CERA	50V X7R 2200PF K 1608
CC253	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC254	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC271	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC301	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC302	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC303	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC304	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC305	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC306	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC307	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC308	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC309	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC310	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC311	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC312	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC313	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC314	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC315	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC316	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC317	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC318	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC319	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC320	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC321	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC322	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC323	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC324	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC325	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC326	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC327	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC328	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608
CC329	HCQK100JBA	C CHIP CERA	50V CH 10PF J 1608
CC331	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC401	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC402	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC403	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC404	HCFD105ZBA	C CHIP CERA	Y5V 10V 1MF Z 1608
CC405	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC406	HCFD105ZBA	C CHIP CERA	Y5V 10V 1MF Z 1608
CC407	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC408	HCFD105ZBA	C CHIP CERA	Y5V 10V 1MF Z 1608
CC409	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC410	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC411	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC412	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC413	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC414	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC415	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC416	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC417	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC418	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC419	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC420	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC421	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC422	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC423	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC424	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608



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LOC	PART CODE	PART NAME	DESCRIPTION
CC738	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608
CC739	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC740	HQCK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC741	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC742	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC743	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC744	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC745	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
LC101	HLC100K02A	L CHIP COIL	10UH MLF 2012
LC103	HLC100K02A	L CHIP COIL	10UH MLF 2012
LC201	HFF221B00A	F CHIP FERRITE BEAD	220 OHM GBK 1608
LC402	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608
LC403	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608
LC404	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608
LC407	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608
LC408	HFF601C00B	F CHIP FERRITE BEAD	600 OHM SBK 2012
LC409	HFF601C00B	F CHIP FERRITE BEAD	600 OHM SBK 2012
LC501	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC502	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC506	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC507	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC508	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC509	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC510	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC512	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC513	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC515	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC516	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC518	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC519	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBY 2012
LC540	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608
LC541	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608
LC752	HFF601C00B	F CHIP FERRITE BEAD	600 OHM SBK 2012
LC761	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608
LC762	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608
RC104	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC105	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC106	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC107	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC110	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC112	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC113	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC116	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC120	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC163	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC164	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC165	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC166	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC176	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC179	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC181	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC182	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC183	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC184	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC190	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC214	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC215	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC216	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC217	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
RC218	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
RC219	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC220	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC221	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC224	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC225	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC230	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC231	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC232	HRFT224JBA	R CHIP	1/10 220K OHM J 1608

LOC	PART CODE	PART NAME	DESCRIPTION
RC233	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC234	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
RC235	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC236	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC237	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
RC238	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
RC239	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC240	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC241	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC242	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
RC251	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC255	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
RC256	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
RC259	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC260	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
RC261	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
RC271	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC272	HRFT153JBA	R CHIP	1/10 15K OHM J 1608
RC273	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC274	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC275	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC276	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC2A2	HRFT153JBA	R CHIP	1/10 15K OHM J 1608
RC2A3	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC2A5	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC2A7	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC2A9	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
RC2B1	HRFT224JBA	R CHIP	1/10 220K OHM J 1608
RC303	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC309	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC311	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC312	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC316	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC318	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC319	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC322	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC325	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC331	HRFT150JBA	R CHIP	1/10 15 OHM J 1608
RC332	HRFT150JBA	R CHIP	1/10 15 OHM J 1608
RC333	HRFT202FBA	R CHIP	1/10 2K OHM F 1608
RC334	HRFT222FBA	R CHIP	1/10 2.2K OHM F 1608
RC402	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC535	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC536	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC541	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC543	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC551	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC562	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC564	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC578	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC579	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC580	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC583	HRFT330JBA	R CHIP	1/10 33 OHM J 1608
RC588	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC590	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC592	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC610	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC622	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
RC627	HRFT569JBA	R CHIP	1/10 5.6 OHM J 1608
RC641	HRF4272JEA	R CHIP	1/4W 2.7K OHM J 3216
RC642	HRF4272JEA	R CHIP	1/4W 2.7K OHM J 3216
RC643	HRF4272JEA	R CHIP	1/4W 2.7K OHM J 3216
RC644	HRF4272JEA	R CHIP	1/4W 2.7K OHM J 3216
RC656	HRFT569JBA	R CHIP	1/10 5.6 OHM J 1608
RC701	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC705	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC706	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC707	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608

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LOC	PART CODE	PART NAME	DESCRIPTION
RC712	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC713	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC717	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC718	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC719	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC721	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC722	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC723	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC729	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC739	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC740	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC741	HRFT272JBA	R CHIP	1/10 2.7K OHM J 1608
RC763	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
VC201	DV150RFG-B	VARACTOR CHIP	CT0603V150RFG
VC202	DV150RFG-B	VARACTOR CHIP	CT0603V150RFG
VC203	DV150RFG-B	VARACTOR CHIP	CT0603V150RFG
VC204	DV150RFG-B	VARACTOR CHIP	CT0603V150RFG
VC205	DV150RFG-B	VARACTOR CHIP	CT0603V150RFG
VC206	DV150RFG-B	VARACTOR CHIP	CT0603V150RFG
VC207	DV150RFG-B	VARACTOR CHIP	CT0603V150RFG
VC208	DV150RFG-B	VARACTOR CHIP	CT0603V150RFG
ZZ200	PTMPJ0G207	PCB MAIN (RHU) AS	DLV-32C3SMBS
CE101	CEXE1A222E	C ELECTRO	10V RM 2200MF (10X20) TP
CE113	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP
CE116	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP
CE534	CEXE1A222E	C ELECTRO	10V RM 2200MF (10X20) TP
CE612	CEXF1E331V	C ELECTRO	25V RSS 330MF (10X12.5)TP
CE613	CEXF1E331V	C ELECTRO	25V RSS 330MF (10X12.5)TP
CE614	CEXF1E331V	C ELECTRO	25V RSS 330MF (10X12.5)TP
CE708	CEXF1C102V	C ELECTRO	16V RSS 1000MF (10X20) TP
CE709	CEXE1A222E	C ELECTRO	10V RM 2200MF (10X20) TP
CE710	CEXE1A102B	C ELECTRO	10V RFX 1000MF (10X16) TP
CE711	CEXE1A102B	C ELECTRO	10V RFX 1000MF (10X16) TP
CE712	CEXE1A102B	C ELECTRO	10V RFX 1000MF (10X16) TP
CE713	CEXE1A102B	C ELECTRO	10V RFX 1000MF (10X16) TP
CE760	CEXE1A102B	C ELECTRO	10V RFX 1000MF (10X16) TP
ZZ200	PTMPJRG207	PCB MAIN RADIAL AS	DLV-32C3SMBS
CE102	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11
CE103	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11
CE104	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11
CE105	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11
CE106	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP
CE198	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE251	CEXE1C471E	C ELECTRO	16V RM 470MF (8X11.5) TP
CE401	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP
CE402	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP
CE403	CEXE1C471E	C ELECTRO	16V RM 470MF (8X11.5) TP
CE404	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE405	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE406	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE407	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE408	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE409	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE410	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE411	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE412	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE413	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE501	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE502	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE503	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE504	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE505	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE506	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE507	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE508	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE509	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE510	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE511	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7

LOC	PART CODE	PART NAME	DESCRIPTION
CE512	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE513	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE514	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE515	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE516	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE517	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE518	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE519	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE520	CEXF1C100V	C ELECTRO	16V RSS 10MF 4X7
CE521	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11
CE522	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11
CE523	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11
CE524	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11
CE525	CEXF1C220V	C ELECTRO	RSS 16V 22MF 5*11
CE526	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE540	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE541	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
CE542	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE543	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP
CE560	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE601	CEXF1H479V	C ELECTRO	50V RSS 4.7MF (5X11) TP
CE602	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE603	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP
CE604	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE608	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE703	CEXF1C101V	C ELECTRO	16V RSS 100MF (6.3X11) TP
CE704	CEXF1H100V	C ELECTRO	50V RSS 10MF (5X11) TP
CE705	CEXF1C221V	C ELECTRO	16V RSS 220MF (8X11.5) TP
CE707	CEXE1C471E	C ELECTRO	16V RM 470MF (8X11.5) TP
CE714	CEXF1H470V	C ELECTRO	50V RSS 47MF (6.3X11) TP
CE715	CEXF1H478V	C ELECTRO	50V RSS 0.47MF (5X11) TP
CM619	CMXL1J474J	C MYLAR	63V MEU 0.47MF J
CM620	CMXL1J474J	C MYLAR	63V MEU 0.47MF J
CM706	CMXL1J104J	C MYLAR	63V MEU 0.1MF J
IC305	1K1A7025AP	IC RESET	KIA7025AP
IC603	1K1A7025AP	IC RESET	KIA7025AP
IC702	1K1A7025AP	IC RESET	KIA7025AP
IC703	1K1A7025AP	IC RESET	KIA7025AP
L602	5CPX150J-	COIL PEAKING	15UH J (RADIAL)
Q102	TKTC3198Y-	TR	KTC3198Y
Q251	TKTA1266Y-	TR	KTA1266Y (TP)
Q601	TKSR1004-	TR	KSR-1004 (TAPPING)
Q602	TKTC3198Y-	TR	KTC3198Y
Q701	TKTC3198Y-	TR	KTC3198Y
Q702	TKTC3198Y-	TR	KTC3198Y
Q703	TKTC3198Y-	TR	KTC3198Y
Q704	TKTA1266Y-	TR	KTA1266Y (TP)
Q760	TKTC3198Y-	TR	KTC3198Y
SW301	5S50101Z90	SW TACT	THV502GDA
X102	5XE4R000C	CRYSTAL QUARTZ	HC-49U 4.000MHZ 20PPM TP
ZZ200	PTMPJ1G207	PCB MAIN CHIP A AS	DLV-32C3SMBS
110	2193220010	SOLDER CREAM(PB-FREE)	LST309-M(SN-3.0AG/0.5CU)
A001	4859817692	PCB MAIN	288X234 K4V
CC105	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC166	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
CC192	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
CC193	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
CC196	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608
CC197	HRFT471JBA	R CHIP	1/10 470 OHM J 1608
CC198	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC199	HCFD105ZBA	C CHIP CERA	Y5V 10V 1MF Z 1608
CC208	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC216	HQK330JBA	C CHIP CERA	50V CH 33PF J 1608
CC218	HQK330JBA	C CHIP CERA	50V CH 33PF J 1608
CC243	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC281	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC330	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC446	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608



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LOC	PART CODE	PART NAME	DESCRIPTION
CC447	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
CC448	HCBK102KBA	C CHIP CERA	50V X7R 1000PF K 1608
CC453	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC498	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC499	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC534	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC537	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC538	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC540	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC541	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC542	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC554	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC555	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC561	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC562	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC563	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC564	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC565	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC566	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC567	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC568	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC569	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC570	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC571	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC573	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC574	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC578	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC580	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC581	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC582	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC608	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608
CC609	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608
CC610	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608
CC611	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608
CC612	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608
CC614	HCBK560KBA	C CHIP CERA	50V X7R 56PF K 1608
CC616	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608
CC619	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608
CC620	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608
CC621	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608
CC622	HCFF334ZBA	C CHIP CERA	16V Y5V 0.33MF Z 1608
CC633	HCQK470JBA	C CHIP CERA	50V CH 47PF J 1608
CC634	HCQK200JBA	C CHIP CERA	50V CH 20PF J 1608
CC638	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC639	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC640	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC641	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC642	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC643	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC644	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608
CC648	HCQK331JBA	C CHIP CERA	50V CH 330PF J 1608
CC662	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC715	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC718	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC720	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC721	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC722	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
CC723	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC724	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC725	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC726	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
CC727	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC728	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC729	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC730	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
CC731	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC732	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC733	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608

LOC	PART CODE	PART NAME	DESCRIPTION
CC734	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
CC735	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC736	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC751	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC752	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC753	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC754	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC760	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC761	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC762	HCQK101JBA	C CHIP CERA	50V CH 100PF J 1608
CC763	HCBK103KBA	C CHIP CERA	50V X7R 0.01MF K 1608
CC770	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC771	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
CC773	HCQK102JBA	C CHIP CERA	50V CH 1000PF J 1608
CC774	HCBK104KBA	C CHIP CERA	50V X7R 0.1MF K 1608
DC280	DMMBD1204B	DIODE CHIP	MMBD1204
DC701	DM2FM3--C	DIODE CHIP SCHOTTKY	M2FM3 M2F TYPE
DC702	DM2FM3--C	DIODE CHIP SCHOTTKY	M2FM3 M2F TYPE
DC703	DM2FM3--C	DIODE CHIP SCHOTTKY	M2FM3 M2F TYPE
DC704	DM2FM3--C	DIODE CHIP SCHOTTKY	M2FM3 M2F TYPE
DC705	DMMBD1203B	DIODE CHIP	MMBD1203
DC760	DM2FM3--C	DIODE CHIP SCHOTTKY	M2FM3 M2F TYPE
DZ201	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ202	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ203	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ204	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ205	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ206	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ207	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ208	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ209	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ212	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ213	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ214	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ215	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ216	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ217	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ218	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ219	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ220	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ221	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ222	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ223	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ224	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ225	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ226	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ227	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ282	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ301	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
DZ501	DUMZ8R2T-B	DIODE CHIP ZENER	UMZ-8.2T (TAPING)
IC102	1X3975DB1Q	IC CHIP TV DECODER	DRX3975D B1
IC201	1M74HC14TC	IC CHIP LOGIC	M74HC14TR
IC202	1CD74HC52D	IC CHIP LOGIC	CD74HC4052M SOIC 16 REEL
IC203	174LV1G14B	IC CHIP INVERTER	SN74LVC1G14D8VBR
IC204	1ST232CD-Q	IC CHIP DRIVE	ST232CD
IC281	124LC22A-C	IC CHIP EEPROM	24LC22AT-1SN SOIC8 REEL
IC301	1ZR39661-Q	IC CHIP MPEG DECODER	ZR39661BGCC-B1
IC302	129LV320BQ	IC CHIP FLASH MEMORY	EN29LV320B-70TCTP
IC303	142A16846Q	IC CHIP DDR SDRAM	EM42AM1684RTA-6F(256MB 16X16)
IC304	142A16846Q	IC CHIP DDR SDRAM	EM42AM1684RTA-6F(256MB 16X16)
IC306	1CAT24WC-E	IC CHIP EEPROM	CAT24WC32J
IC307	1CD74HC52D	IC CHIP LOGIC	CD74HC4052M SOIC 16 REEL
IC501	1SVPPX66-Q	IC CHIP VIDEO PROCESSOR	SVP-PX66(7266-LF)
IC502	1D263238FQ	IC CHIP DDR SDRAM	K4D263238F-UC50
IC503	1LM810--D	IC CHIP RESET	LM810 M3-2.63
IC601	1MSP4610KQ	IC CHIP SOUND	MSP4610K-QA-D6-000
IC602	1STA515W-D	IC CHIP AUDIO AMP	STA515W
IC704	1AZ117H33C	IC CHIP REGULATOR	AZ1117H-3.3TREI 3.3V SOT-223

# Bill Of Materials

LOC	PART CODE	PART NAME	DESCRIPTION
IC705	1MP1583-D	IC CHIP CONVERTER	MP1583DN
IC706	1MP1583-D	IC CHIP CONVERTER	MP1583DN
IC707	1MP1583-D	IC CHIP CONVERTER	MP1583DN
IC708	1MP1583-D	IC CHIP CONVERTER	MP1583DN
IC709	T1RF7233-	FET CHIP	IRF7233
IC710	1MP1583-D	IC CHIP CONVERTER	MP1583DN
JK281	4859201360	CONN HDMI	51V019S-36WT-A1R
LC202	HFF221B00A	F CHIP FERRITE BEAD	220 OHM GBK 1608
LC203	HFF221B00A	F CHIP FERRITE BEAD	220 OHM GBK 1608
LC204	HFF221B00A	F CHIP FERRITE BEAD	220 OHM GBK 1608
LC205	HFF601C00B	F CHIP FERRITE BEAD	600 OHM SBK 2012
LC281	HFEACM201A	F CHIP EMI	90 OHM ACM 2012
LC282	HFEACM201A	F CHIP EMI	90 OHM ACM 2012
LC283	HFEACM201A	F CHIP EMI	90 OHM ACM 2012
LC284	HFEACM201A	F CHIP EMI	90 OHM ACM 2012
LC410	HFF601C00B	F CHIP FERRITE BEAD	600 OHM SBK 2012
LC503	HFF331C00B	F CHIP FERRITE BEAD	330 OHM ACM 2012
LC504	HFF331C00B	F CHIP FERRITE BEAD	330 OHM ACM 2012
LC505	HFF331C00B	F CHIP FERRITE BEAD	330 OHM ACM 2012
LC511	HFF331C00B	F CHIP FERRITE BEAD	330 OHM ACM 2012
LC514	HFF331C00B	F CHIP FERRITE BEAD	330 OHM ACM 2012
LC517	HFF331C00B	F CHIP FERRITE BEAD	330 OHM ACM 2012
LC520	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBK 1608
LC521	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBK 1608
LC522	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBK 1608
LC523	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBK 1608
LC524	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBK 1608
LC525	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBK 1608
LC526	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBK 1608
LC543	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBK 1608
LC601	HFF601C00B	F CHIP FERRITE BEAD	600 OHM SBK 2012
LC602	HFF601C00B	F CHIP FERRITE BEAD	600 OHM SBK 2012
LC701	HFF601C00B	F CHIP FERRITE BEAD	600 OHM SBK 2012
LC702	HLC151K01E	L CHIP COIL	150UH K 120120
LC703	HLC151K01E	L CHIP COIL	150UH K 120120
LC704	HLC151K01E	L CHIP COIL	150UH K 120120
LC705	HLC151K01E	L CHIP COIL	150UH K 120120
LC751	HFF601C00B	F CHIP FERRITE BEAD	600 OHM SBK 2012
LC760	HLC151K01E	L CHIP COIL	150UH K 120120
LCTU1	HLC339K02A	L CHIP COIL	3.3UH MLF 2012
LCTU2	HLC339K02A	L CHIP COIL	3.3UH MLF 2012
LCTU3	HLC339K02A	L CHIP COIL	3.3UH MLF 2012
LCTU4	HLC339K02A	L CHIP COIL	3.3UH MLF 2012
LCTU5	HLC339K02A	L CHIP COIL	3.3UH MLF 2012
LCTU6	HLC339K02A	L CHIP COIL	3.3UH MLF 2012
P240	4859297820	CONN WAFER	12505WS-10A00
P501	4859293820	CONN WAFER	GT121-31P-TD-A 31P ST
P701	4859295120	CONN WAFER	12505WS-05A00
P702	4859295220	CONN WAFER	12505WS-06A00
P704	4859299520	CONN WAFER	12505WS-07P
QC282	TUPA672T-B	TR CHIP	UPA672T
QC283	TBSS138-A	TR CHIP	BSS138
QC284	TBSS138-A	TR CHIP	BSS138
QC601	TBSS138-A	TR CHIP	BSS138
QC602	TBSS138-A	TR CHIP	BSS138
RA301	HRTS8E000J	R CHIP ARRAY	1/16 8P 0 OHM J 3216
RA302	HRTS8E000J	R CHIP ARRAY	1/16 8P 0 OHM J 3216
RA303	HRTS8E000J	R CHIP ARRAY	1/16 8P 0 OHM J 3216
RA304	HRTS8E000J	R CHIP ARRAY	1/16 8P 0 OHM J 3216
RA305	HRTS8E000J	R CHIP ARRAY	1/16 8P 0 OHM J 3216
RA306	HRTS8E000J	R CHIP ARRAY	1/16 8P 0 OHM J 3216
RA307	HRTS8E000J	R CHIP ARRAY	1/16 8P 0 OHM J 3216
RA308	HRTS8E000J	R CHIP ARRAY	1/16 8P 0 OHM J 3216
RA309	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA310	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA311	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA312	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA313	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216

LOC	PART CODE	PART NAME	DESCRIPTION
RA314	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA315	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA316	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA317	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA318	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA319	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA320	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA321	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA322	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA323	HRTS8E150J	R CHIP ARRAY	1/16 8P 15 OHM 3216
RA501	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA502	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA503	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA504	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA505	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA506	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA507	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA508	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA509	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA510	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA511	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA512	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA513	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RA514	HRTS8E470J	R CHIP ARRAY	1/16 8P 47 OHM J 3216
RC111	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC114	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC115	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608
RC117	HRFT132JBA	R CHIP	1/10 1.3K OHM J 1608
RC118	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC133	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
RC134	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
RC135	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
RC136	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
RC137	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC138	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC139	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBK 2012
RC156	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC157	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC158	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBK 2012
RC159	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBK 2012
RC160	HFF331C00B	F CHIP FERRITE BEAD	330 OHM PBK 2012
RC161	HCBK223KBA	C CHIP CERA	50V X7R 0.022MF K 1608
RC162	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC167	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC168	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC169	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC170	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC171	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC172	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC173	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC174	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC175	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC177	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC178	HRFT330JBA	R CHIP	1/10 33 OHM J 1608
RC180	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC187	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC188	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC189	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC191	HRFT681JBA	R CHIP	1/10 680 OHM J 1608
RC192	HRFT151JBA	R CHIP	1/10 150 OHM J 1608
RC193	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC194	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC195	HRFT183JBA	R CHIP	1/10 18K OHM J 1608
RC196	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC197	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC198	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC201	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC202	HRFT101JBA	R CHIP	1/10 100 OHM J 1608

# Bill Of Materials

LOC	PART CODE	PART NAME	DESCRIPTION
RC209	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC210	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC211	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC212	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC213	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC222	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC223	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC226	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC227	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC228	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC229	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC243	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
RC247	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
RC248	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC249	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC250	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC252	HRF4430JEA	R CHIP	1/4 43 OHM J 3216
RC253	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC254	HRFT221JBA	R CHIP	1/10 220 OHM J 1608
RC257	HRFT221JBA	R CHIP	1/10 220 OHM J 1608
RC258	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC262	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC263	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC264	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608
RC265	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC282	HRFT474JBA	R CHIP	1/10 470K OHM J 1608
RC283	HRFT474JBA	R CHIP	1/10 470K OHM J 1608
RC284	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC285	HRFT474JBA	R CHIP	1/10 470K OHM J 1608
RC286	HRFT474JBA	R CHIP	1/10 470K OHM J 1608
RC287	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC288	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC294	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC295	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC296	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC297	HRFT433JBA	R CHIP	1/10 43K OHM J 1608
RC2A1	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC2A4	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC2A6	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC2A8	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC2B0	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC2B2	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC301	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC302	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC304	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC305	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC306	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC306	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC307	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC308	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC310	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC313	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC314	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC315	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC317	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC323	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC327	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC330	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC335	HRFT241JBA	R CHIP	1/10 240 OHM J 1608
RC336	HRFT241JBA	R CHIP	1/10 240 OHM J 1608
RC337	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC338	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC339	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC340	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC341	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC342	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC343	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC344	HRFT000-BA	R CHIP	1/10 0 OHM 1608

LOC	PART CODE	PART NAME	DESCRIPTION
RC345	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC346	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC347	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC348	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC349	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC350	HRFT330JBA	R CHIP	1/10 33 OHM J 1608
RC351	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC352	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC353	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC354	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC355	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC356	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC357	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC358	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC359	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC360	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC361	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC362	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC363	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC364	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC365	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC366	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC367	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC368	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC369	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC370	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC371	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC374	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC375	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC377	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC379	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC381	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC382	HRFT220JBA	R CHIP	1/10 22 OHM J 1608
RC383	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
RC384	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
RC385	HRFT391JBA	R CHIP	1/10 390 OHM J 1608
RC386	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC387	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC388	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC389	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC390	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC391	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC392	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC393	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC394	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC398	HRFT220JBA	R CHIP	1/10 22 OHM J 1608
RC400	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC409	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC410	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC501	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC502	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC503	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC504	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC505	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC506	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC507	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC508	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC511	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC512	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC519	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC521	HRFT000JBA	R CHIP	1/10 0 OHM J 1608
RC522	HRFT000JBA	R CHIP	1/10 0 OHM J 1608
RC531	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
RC532	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
RC533	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
RC542	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC544	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC545	HRFT000-BA	R CHIP	1/10 0 OHM 1608

# Bill Of Materials

LOC	PART CODE	PART NAME	DESCRIPTION
RC546	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC547	HRFT104JBA	R CHIP	1/10 100K OHM J 1608
RC549	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC550	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC552	HFF601C00B	F CHIP FERRITE BEAD	600 OHM SBK 2012
RC554	HRFT470JBA	R CHIP	1/10 47 OHM J 1608
RC557	HRFT102FBA	R CHIP	1/10 1K OHM F 1608
RC558	HRFT102FBA	R CHIP	1/10 1K OHM F 1608
RC559	HRFT471JBA	R CHIP	1/10 470 OHM J 1608
RC560	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC561	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC563	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC565	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC566	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC568	HRFT105JBA	R CHIP	1/10 1M OHM J 1608
RC569	HRFT330JBA	R CHIP	1/10 33 OHM J 1608
RC581	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC582	HRFT330JBA	R CHIP	1/10 33 OHM J 1608
RC584	HRFT391JBA	R CHIP	1/10 390 OHM J 1608
RC585	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC586	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC596	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC597	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC601	HRFT102JBA	R CHIP	1/10 1K OHM J 1608
RC602	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC603	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC606	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC608	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC609	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC611	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC612	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC613	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC614	HRFT201JBA	R CHIP	1/10 200 OHM J 1608
RC615	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC616	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC617	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC618	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC620	HRFT302JBA	R CHIP	1/10 3K OHM J 1608
RC621	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC623	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC625	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC628	HRFT162JBA	R CHIP	1/10 1.6K OHM J 1608
RC631	HRF4220JEA	R CHIP	1/4W 22 OHM J 3216
RC634	HRF4220JEA	R CHIP	1/4W 22 OHM J 3216
RC640	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC650	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
RC652	HRFT222JBA	R CHIP	1/10 2.2K OHM J 1608
RC704	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC708	HRFT390JBA	R CHIP	1/10 39 OHM J 1608
RC709	HRFT750JBA	R CHIP	1/10 75 OHM J 1608
RC710	HRFT132JBA	R CHIP	1/10 1.3K OHM J 1608
RC711	HRFT332JBA	R CHIP	1/10 3.3K OHM J 1608
RC714	HRFT561JBA	R CHIP	1/10 560 OHM J 1608
RC715	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC720	HRFT221JBA	R CHIP	1/10 220 OHM J 1608
RC724	HRFT183JBA	R CHIP	1/10 18K OHM J 1608
RC725	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC726	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC727	HRFT113JBA	R CHIP	1/10 11K OHM J 1608
RC730	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC731	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC732	HRFT512JBA	R CHIP	1/10 5.1K OHM J 1608
RC733	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC734	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC735	HRFT562JBA	R CHIP	1/10 5.6K OHM J 1608
RC737	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC738	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC743	HRFT000-BA	R CHIP	1/10 0 OHM 1608

LOC	PART CODE	PART NAME	DESCRIPTION
RC747	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC752	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC753	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC760	HRFT333JBA	R CHIP	1/10 33K OHM J 1608
RC761	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC762	HRFT103JBA	R CHIP	1/10 10K OHM J 1608
RC764	HRFT101JBA	R CHIP	1/10 100 OHM J 1608
RC771	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RC772	HRFT000-BA	R CHIP	1/10 0 OHM 1608
RCA48	HRFT472JBA	R CHIP	1/10 4.7K OHM J 1608
ZC201	HFZACF471C	F CHIP LC	ACF321825-471
ZC202	HFZACF471C	F CHIP LC	ACF321825-471
ZC203	HFZACF471C	F CHIP LC	ACF321825-471
ZC204	HFZACF471C	F CHIP LC	ACF321825-471
ZC205	HFZACF471C	F CHIP LC	ACF321825-471
ZC206	HFZACF471C	F CHIP LC	ACF321825-471
ZC261	HFZACF471C	F CHIP LC	ACF321825-471
ZC262	HFZACF471C	F CHIP LC	ACF321825-471
ZC263	HFZACF471C	F CHIP LC	ACF321825-471
ZC264	HFZACF471C	F CHIP LC	ACF321825-471

## Bill Of Materials

### 2) Differential Materials Besides Mechanical Parts

	LOC	PART CODE	PART NAME	DESCRIPTION	DLV-32C7SMB	DLV-37C7LMB	DLV-42C7LMB
Digital Board	IC401	T1RF7233--	FET CHIP	IRF7233	x	0	0
	LC525	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608	0	x	x
	LC526	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608	0	x	x
	LC527	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608	x	0	0
	LC528	HFF300B00A	F CHIP FERRITE BEAD	30 OHM PBY 1608	x	0	0
	Q401	TH2N7000--	FET	H2N7000	x	0	0
	Q760	TKTC3198Y-	TR	KTC3198Y	0	x	x
	RC559	HRFT471JBA	R CHIP	1/10 470 OHM J 1608	0	x	x
CABLE & CONNECTOR	P202A	4850706S42	CONNECTOR	12505HS-06+12505HS-06+ULW=700	0	x	x
	P202A	4850706S36	CONNECTOR	12505HS-06+12505HS-06+ULW=900	x	0	0
	P501A	4859005560	CABLE LVDS	LPL:FMW1214A-31A+FH10001-30+42C1LMR=450	x	0	0
	P501A	4859004160	CABLE LVDS	1001-31FC-N+FH10002-30+3212APSB=300	0	x	x
	P601A	4850703N44	CONNECTOR	SMH250-03+YRT205+YRT110+USW=600	0	x	x
	P602A	4850704S80	CONNECTOR	SMH250-04+YRT205+YRT110+USW=500	0	x	x
	P803A	4850714S04	CONNECTOR	20022HS-14+20022HS+ULW=300	0	x	x
	P803B	4850712S11	CONNECTOR	20022HS-12S+20022HS-12S+ULW=800	x	0	0
	P803C	4850712S09	CONNECTOR	20022HS-12S+20022HS-12S+ULW=300	x	0	x
SPEAKER	SP01	48A8319000	SPEAKER SYSTEM	SS-57165F02CR	x	0	0
	SP01	4858318510	SPEAKER	SP-45165F01C	0	x	x
	SP02	48A8320000	SPEAKER SYSTEM	SS-57165F02CL	x	0	0
	SP02	4858318510	SPEAKER	SP-45165F01C	0	x	x
LCD PANEL	V901	485LD13320	LCD PANEL	LTA320WT-LF2	0	x	x
	V901	485LD00370	LCD PANEL	LC370WX1-SL01	x	0	x
	V901	485LD00421	LCD PANEL	LC420WX5-SLA1	x	x	0
SMPS	PM100	4850M13310	MODULE POWER	FEL-3237A	0	0	x
	PM100	4850M11310	MODULE POWER	FEL-42C1	x	x	0

# 9. How to S/W Upgrade Tools

## 1) Requirements

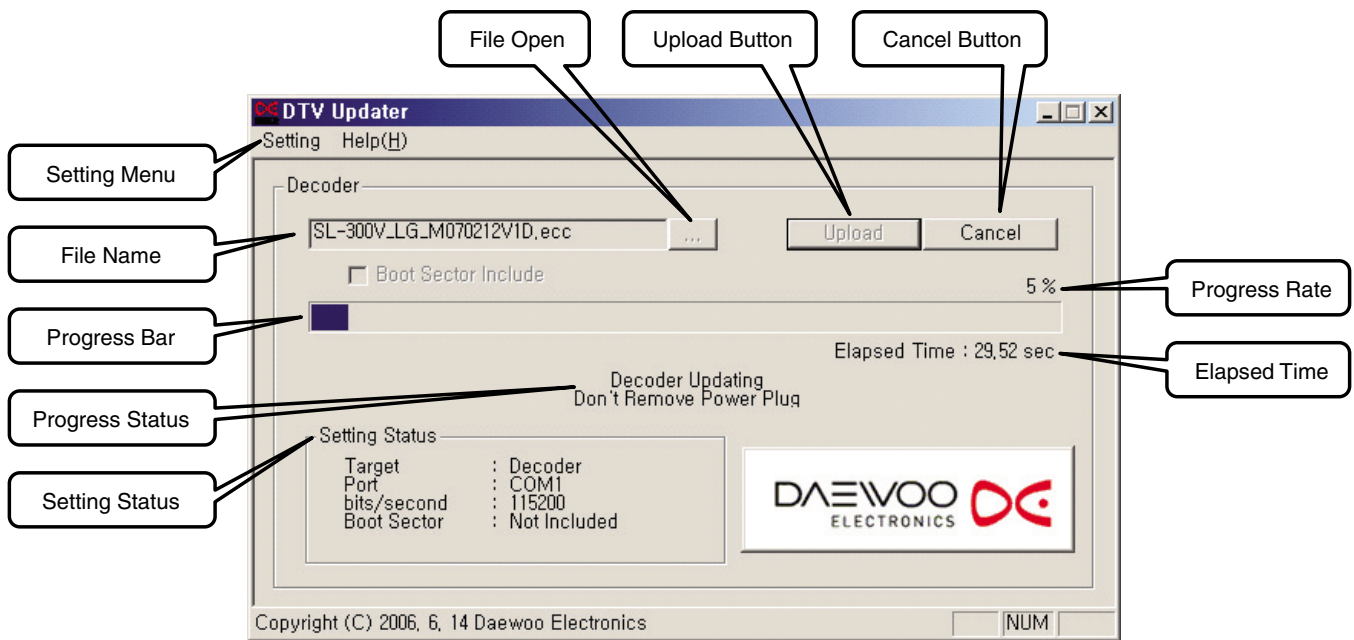
1.1 You need followings to upgrade LCD TV.

- Decoder S/W, \*.ecc to be uploaded
- PIC micom S/W, \*.hex to be uploaded
- RS232 cable
- S/W upgrade tool
- Service remote controller

1.2 Your computer has 9-pin serial port and the port should not be conflicted with other S/W.

1.3 While upgrading, the power cord should not be unplugged.

2) Outline of the S/W upgrade tool, which is DTV\_Updater.exe.

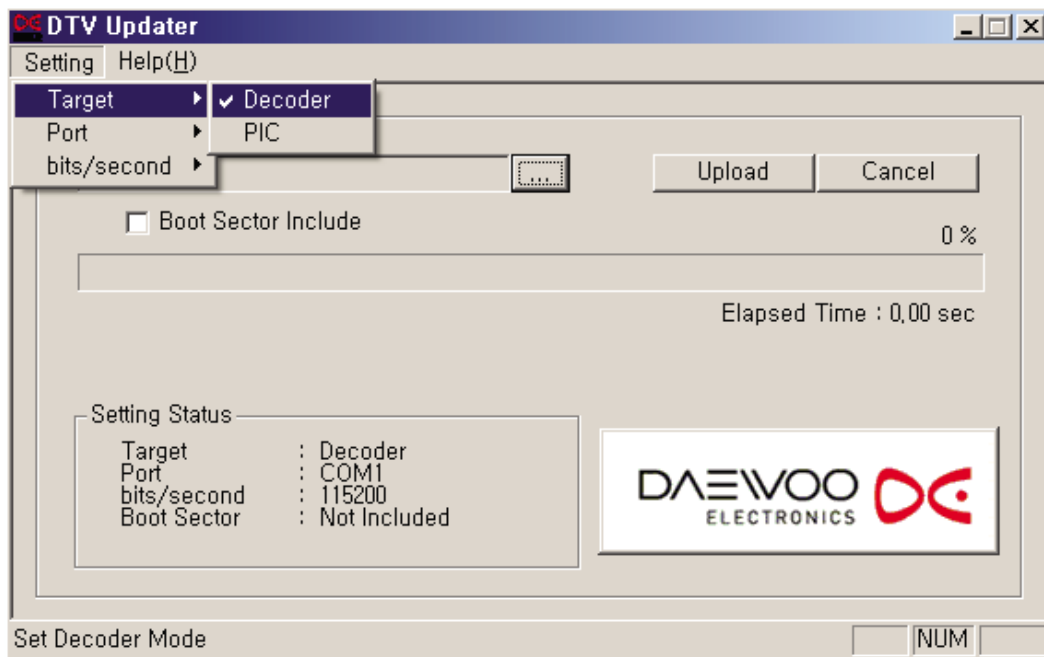


## How to S/W Upgrade Tools

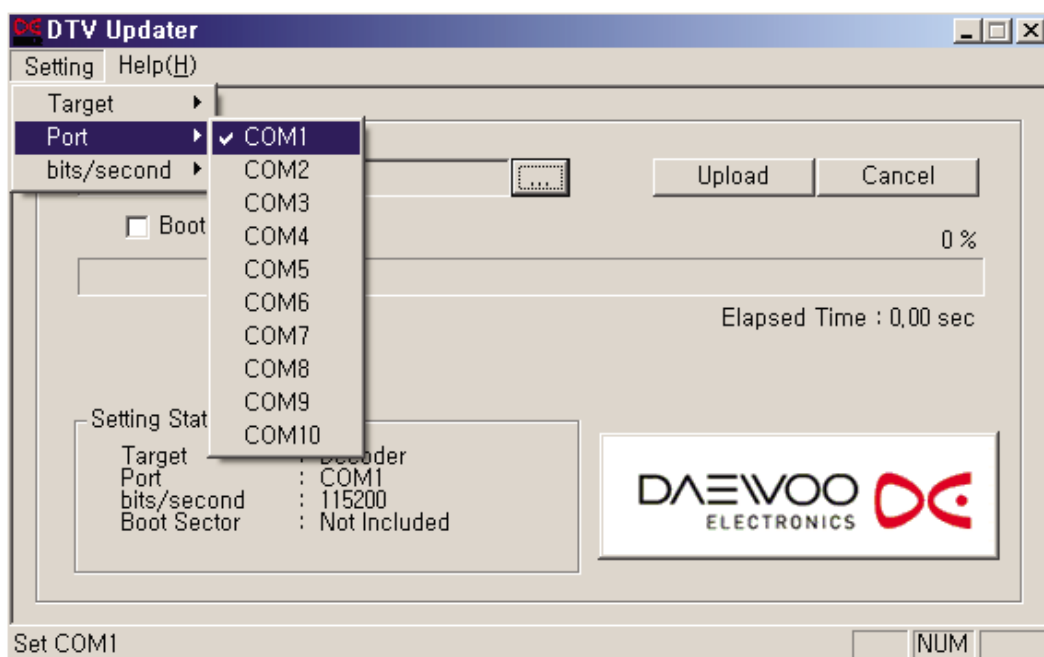
### 3) How to upgrade decoder of LCD TV.

3.1 Execute S/W upgrade tool, which is DTV\_Updater.exe.

3.2 Select [Setting] -> [Target] -> [Decoder] in the menu.

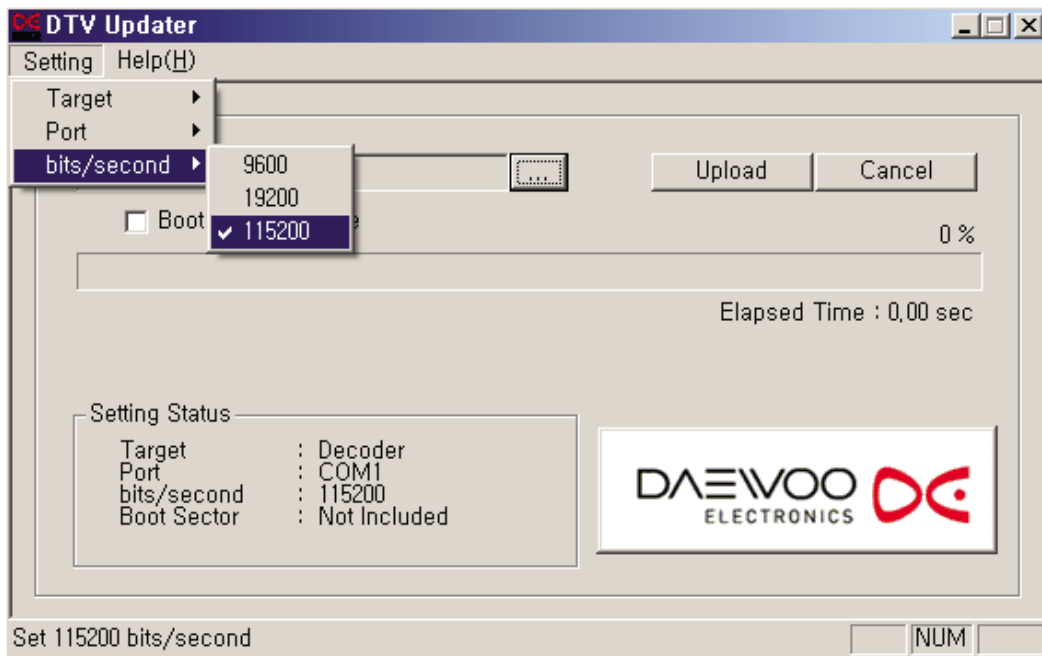


3.3 Select available serial port in [Setting] -> [Port].(Default port is COM1.)

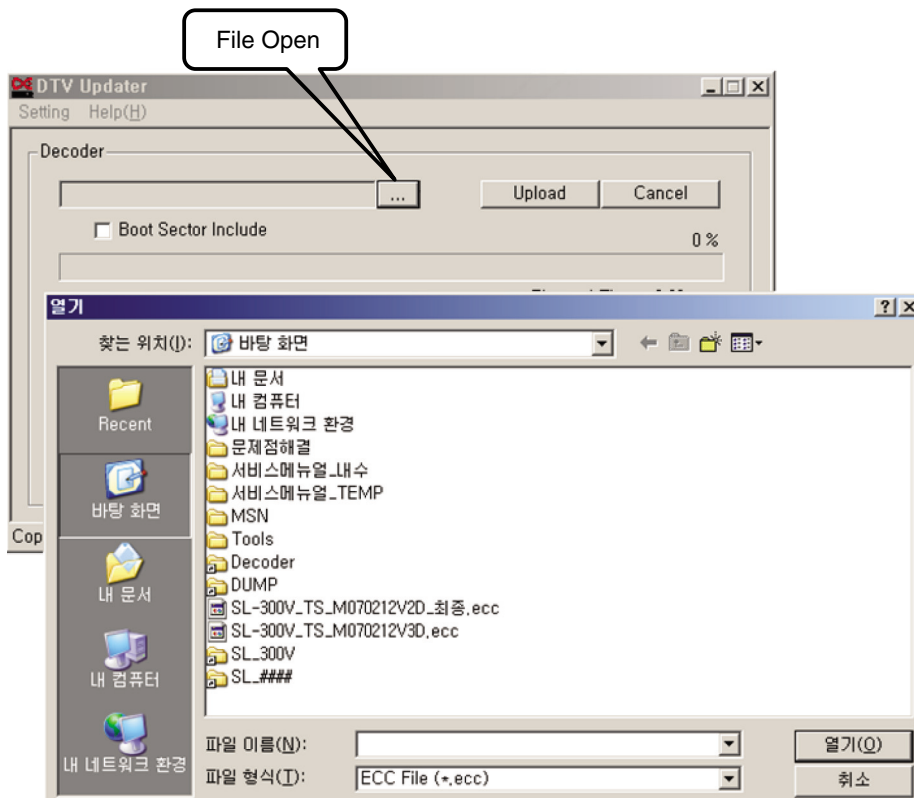


## How to S/W Upgrade Tools

3.4 Select bitrate, which is [Setting] -> [bits/second] -> [115200] in the menu.



3.5 Open the file, \*.ecc to be uploaded in the decoder.

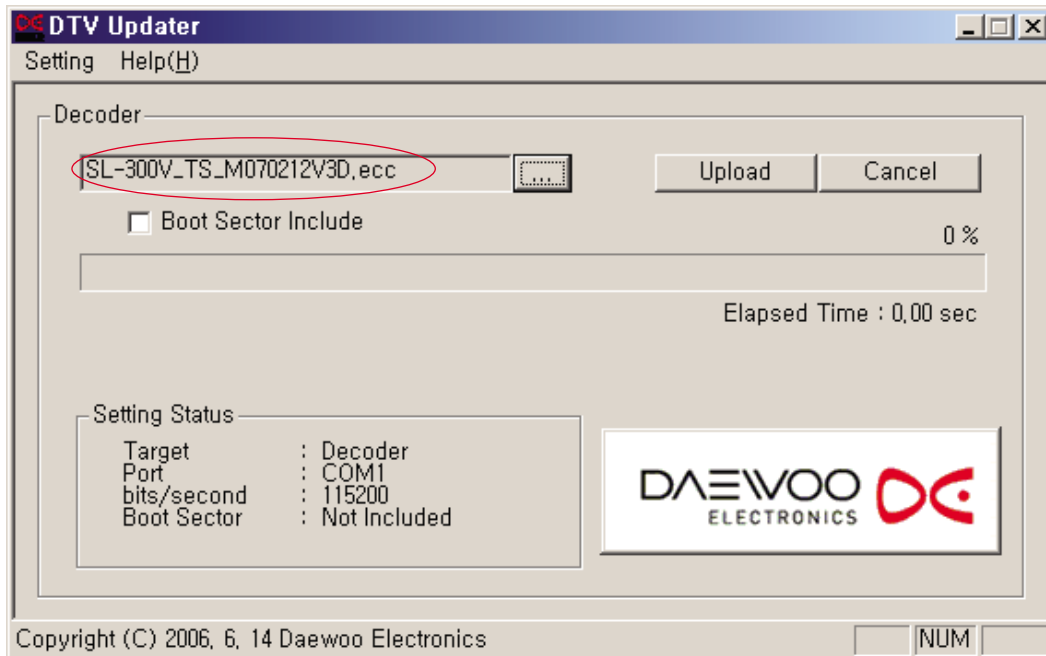




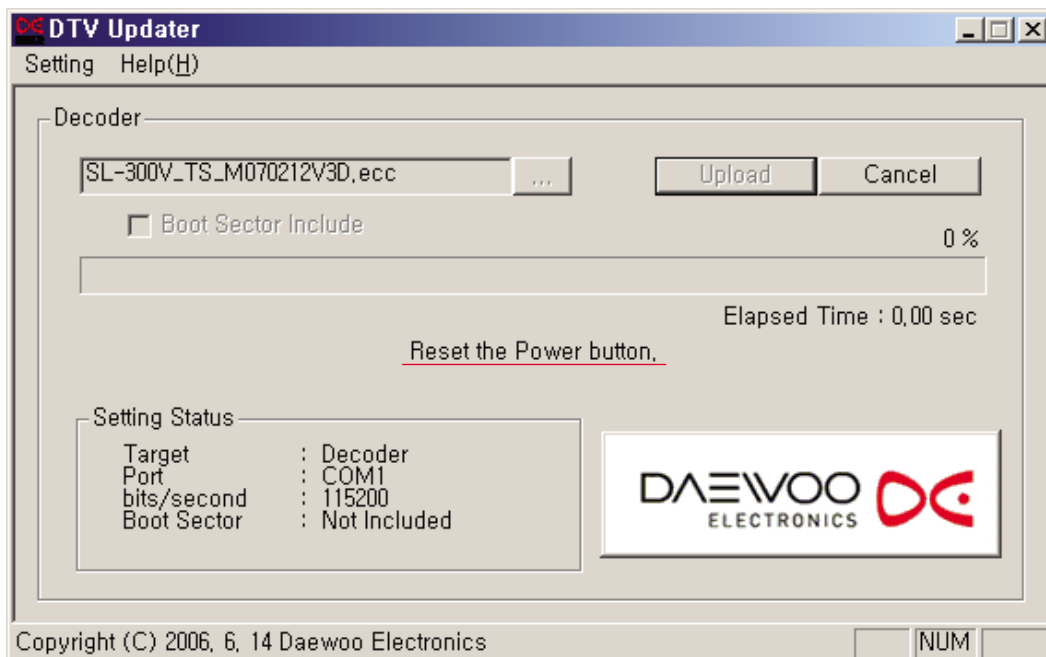
## How to S/W Upgrade Tools

3.6 If the file is correctly selected, the file name is displayed as followings.

**Do not check the option [Boot Sector include].**

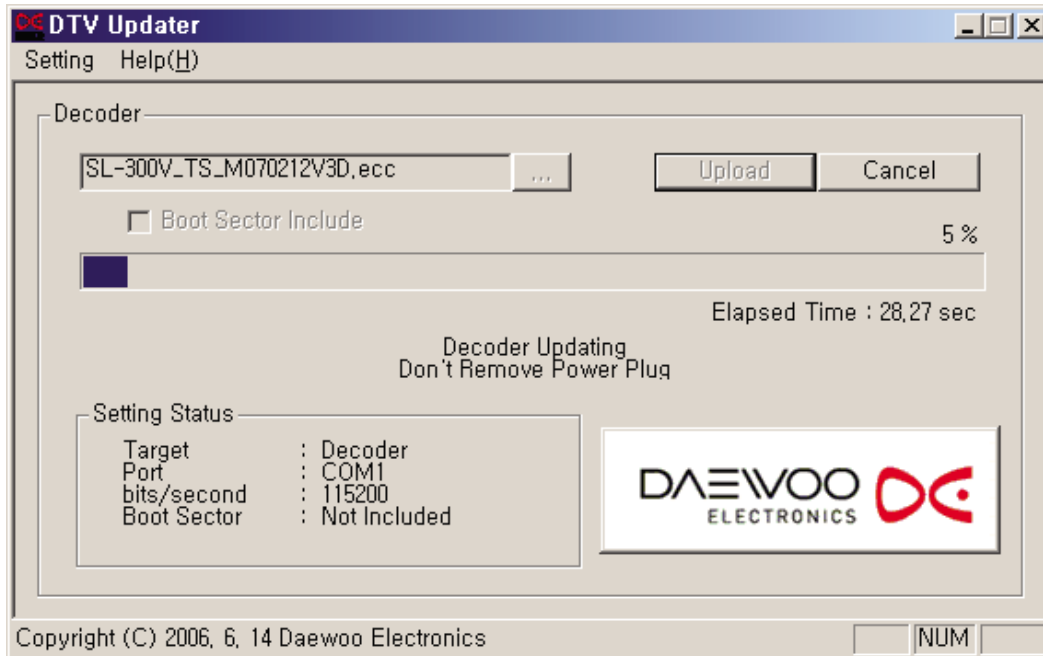


3.7 Click the [Upload] button. Turn off/on the LCD TV as following message.

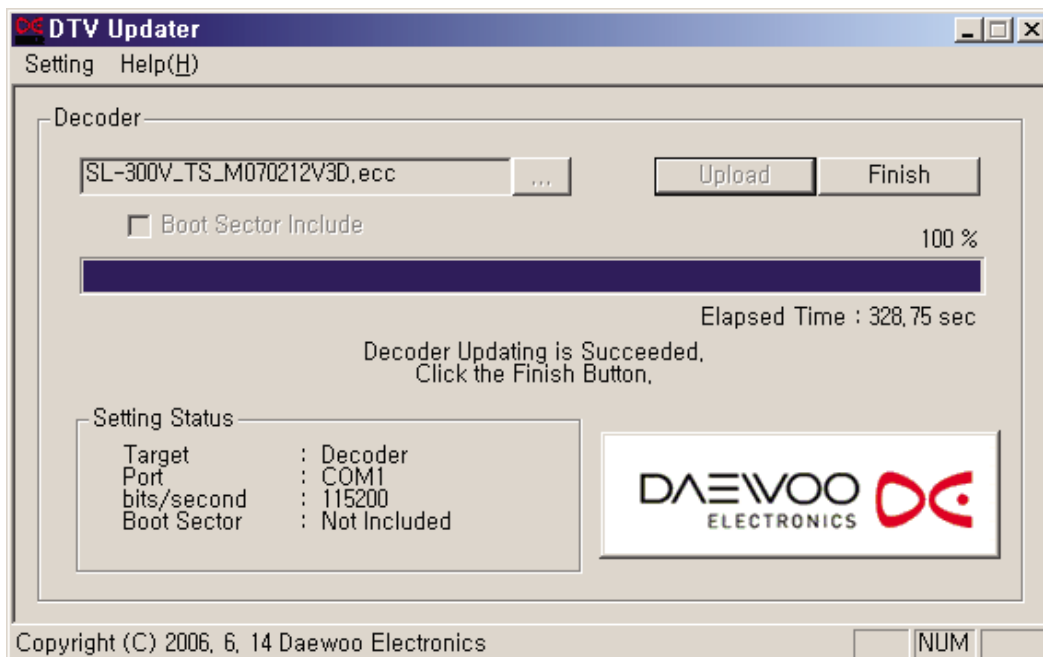


## How to S/W Upgrade Tools

3.8 Decoder is being upgraded as below.



3.9 Click the [Finish] button if the decoder upgrade has been finished as below.  
And then turn off/on LCD TV with the power cord.



## How to S/W Upgrade Tools

4) How to upgrade PIC micom of LCD TV.

4.1 Execute S/W upgrade tool, which is DTV\_Updater.exe.

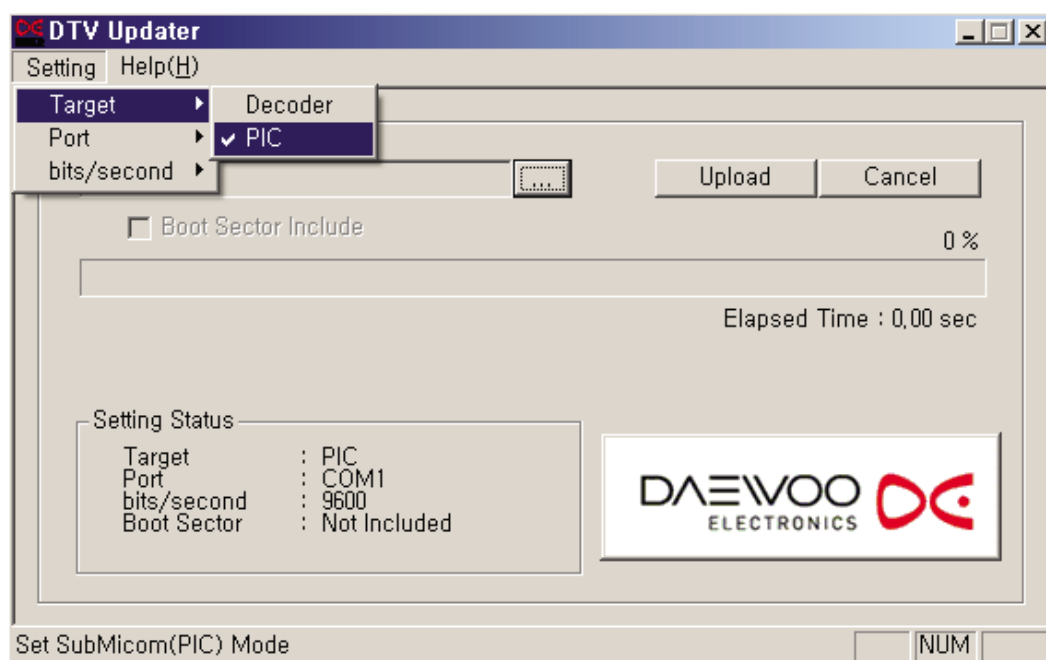
4.2 Press S10 key on the service remote controller.

Move to [Micom Update] with CH UP/DOWN key.

And set the option into ON with VOL UP/DOWN key as below.

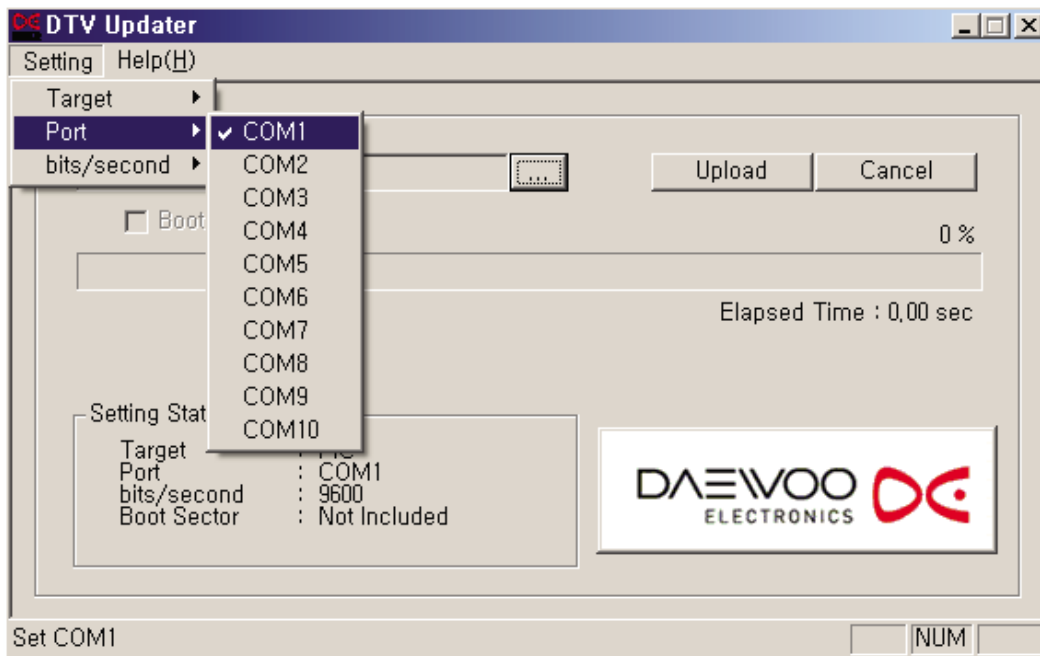
S2 ChSet	Panel Model	SS32
S3 Volume	EDID Update	OFF
S4 SVPPX	Model	SL-300V
S5 PQ	S/W Version	SL-300V_TS_M070212V5DP
S6 Hotel Lock	Micom Version	SL-300V_L061229V01M
S7 MPEG	Micom Update	ON
S8 W/B	O/S_DbgPrintf	ON
S9 PreScale	Digital Signal Status	OFF
S10 MISC	Digital Index Status	OFF
S11 Pattern	RF Software Update	OFF
S12 Reset	S1 HeatRun Enable	OFF
	Digital Index level	0

4.3 Select [Setting] -> [Target] -> [PIC] in the menu.

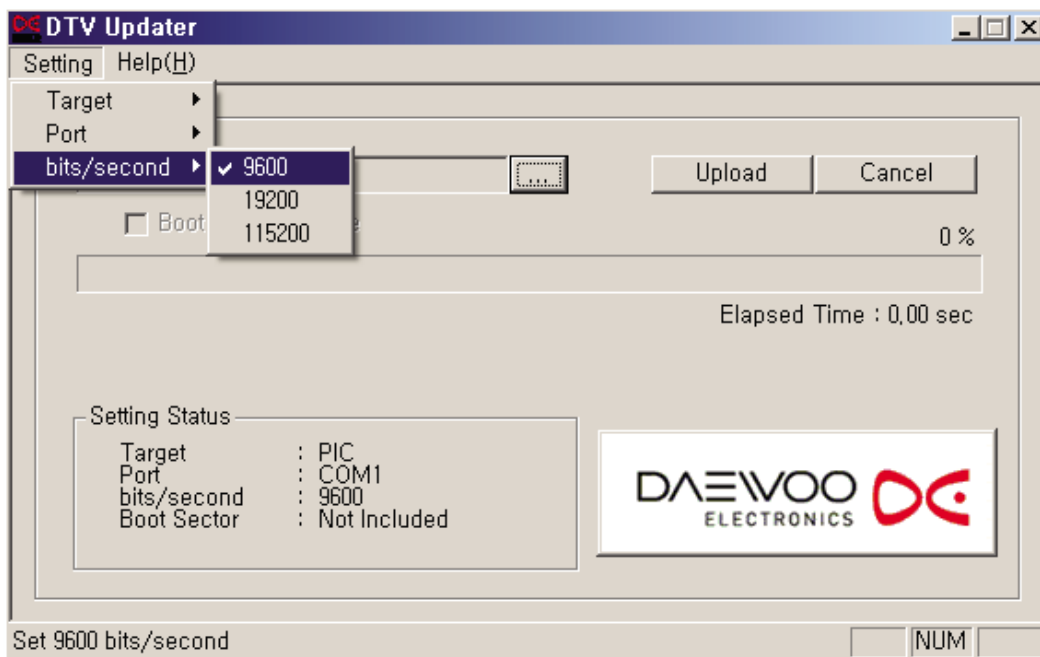


## How to S/W Upgrade Tools

4.4 Select available serial port in [Setting] -> [Port].(Default port is COM1.)

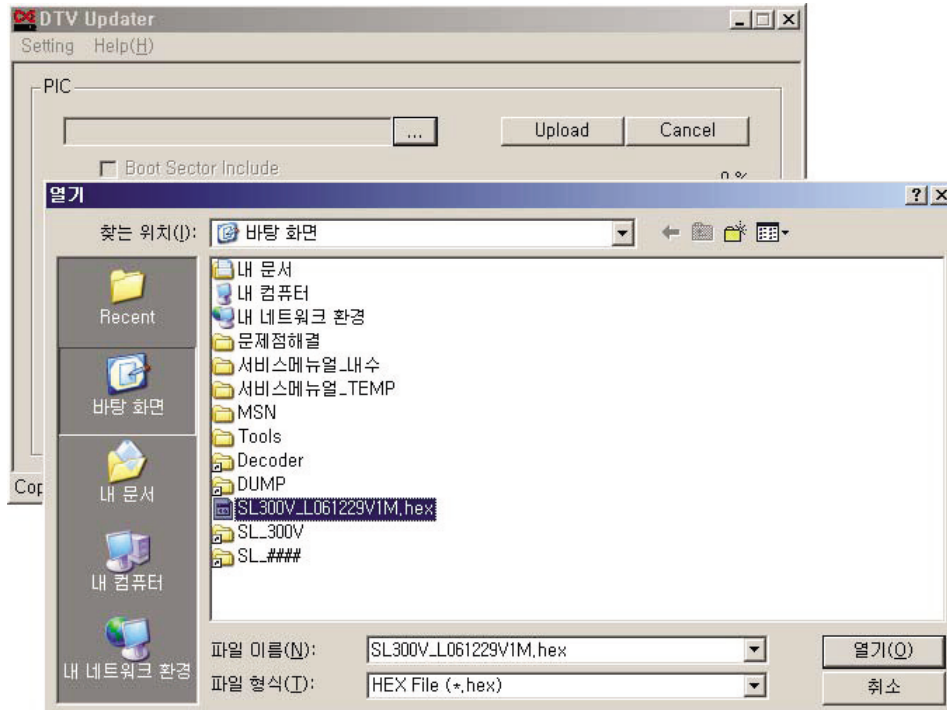


4.5 Select bitrate, which is [Setting] -> [bits/second] -> [9600] in the menu.

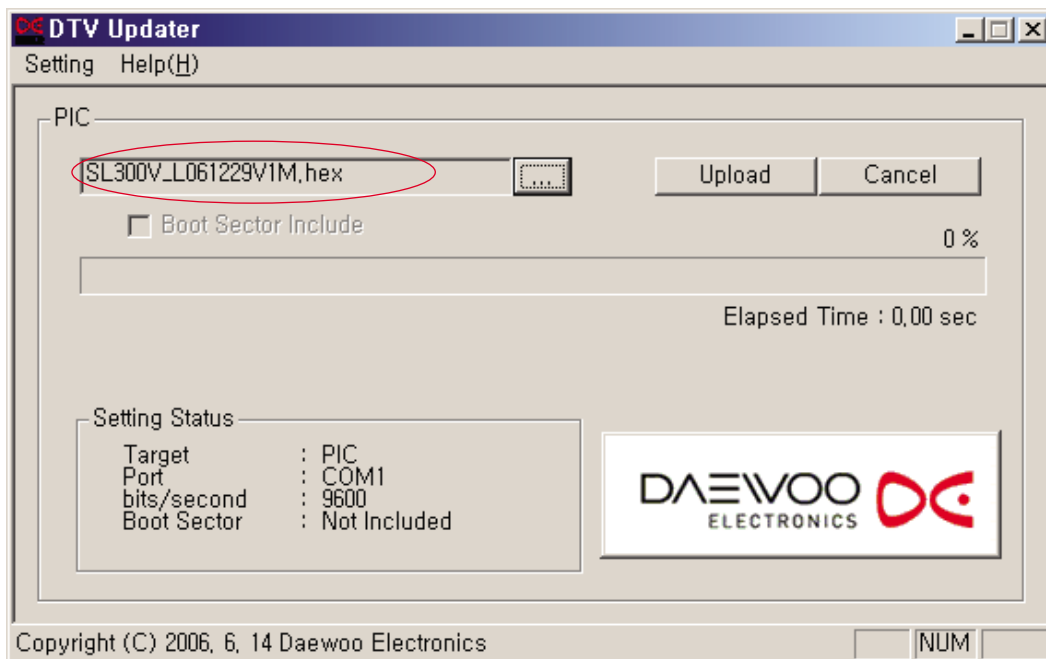


## How to S/W Upgrade Tools

4.6 Open the file, \*.hex to be uploaded in the PIC.



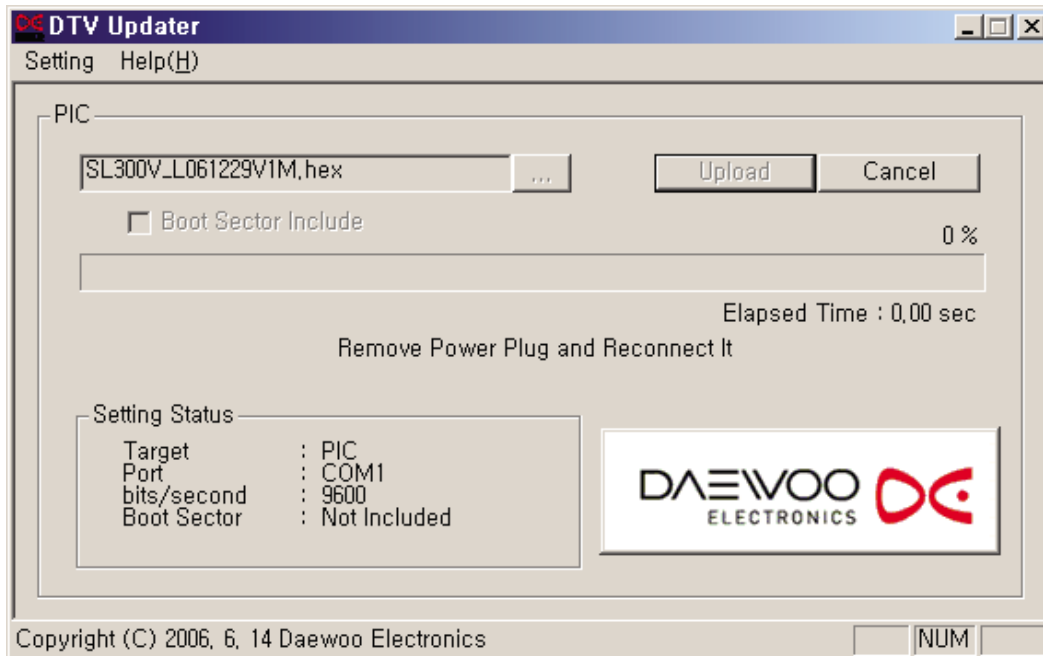
4.7 If the file is correctly selected, the file name is displayed as followings.  
**Do not check the option [Boot Sector include].**



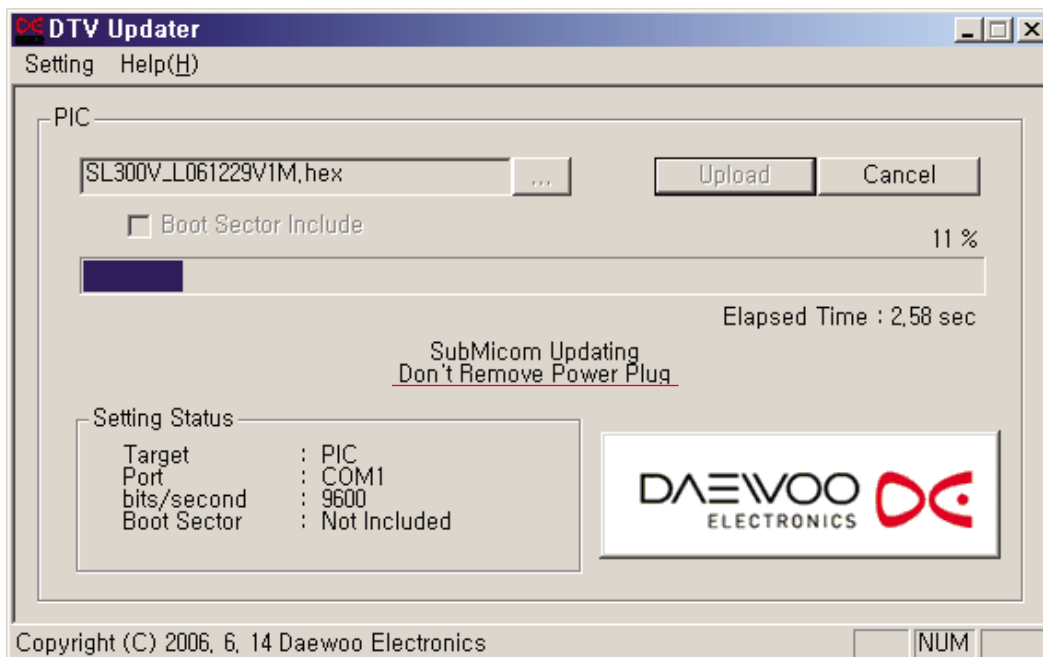
## How to S/W Upgrade Tools

4.8 Click the [Upload] button.

Execute the AC off/on as following message.

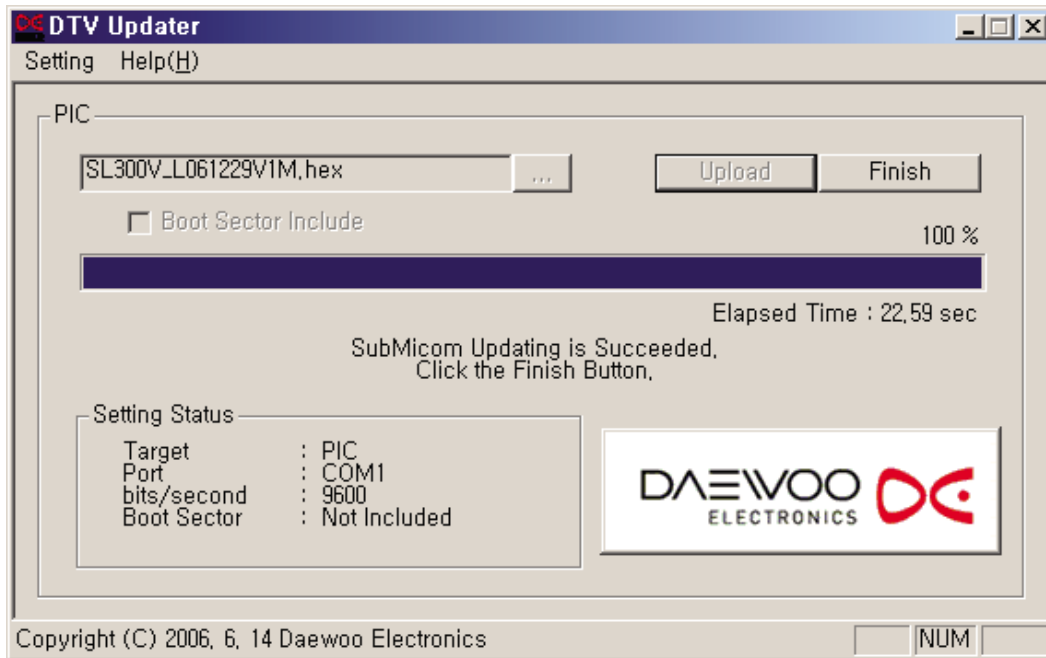


4.9 PIC is being upgraded as below.

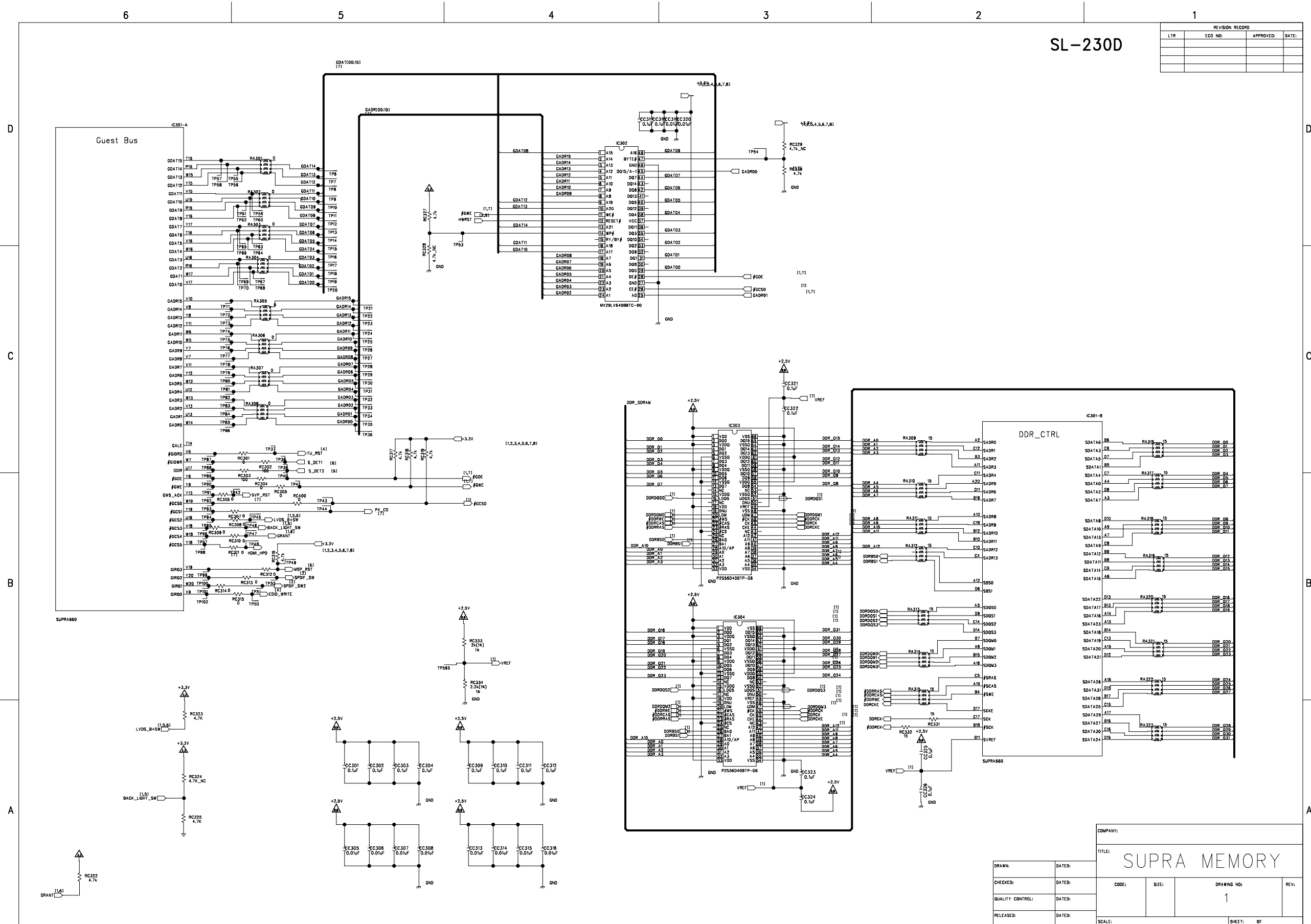


## How to S/W Upgrade Tools

- 4.10 Click the [Finish] button if the PIC upgrade has been finished as below.  
LCD TV will be automatically turned on.



# 10. Schematics : Digital Board



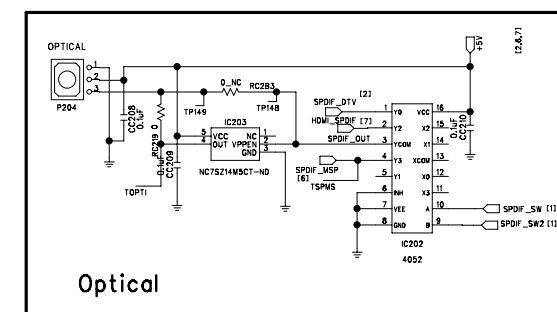
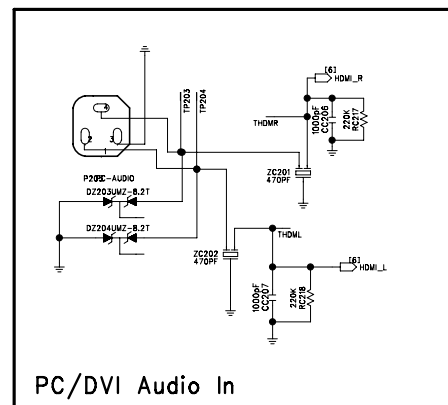
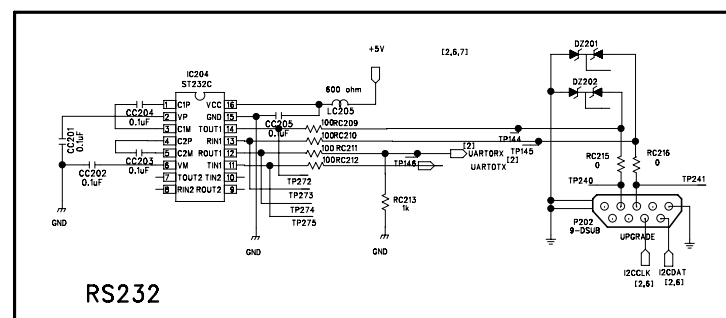
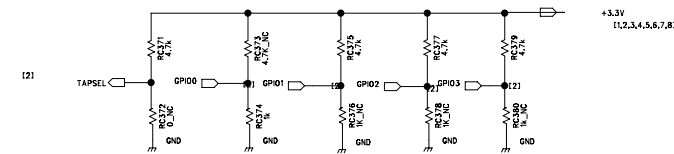
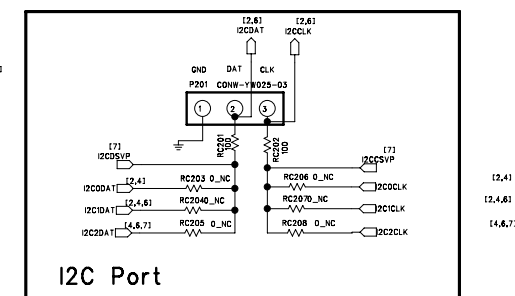
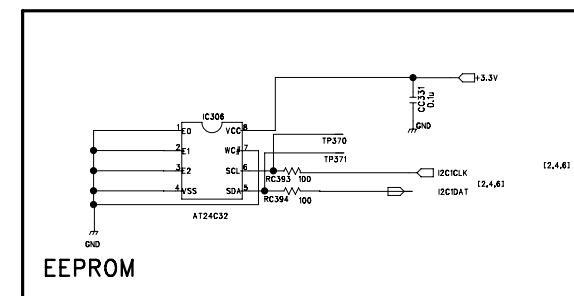
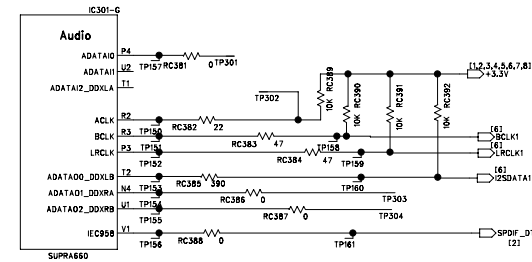
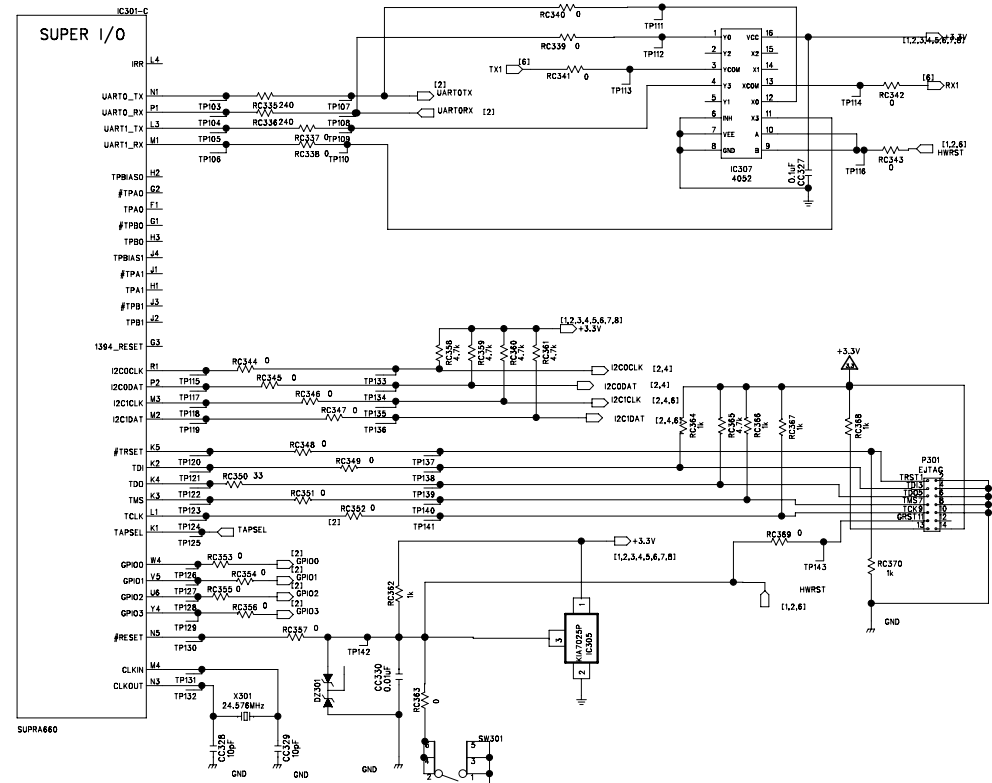


# Schematics : Digital Board

6 5 4 3 2 1

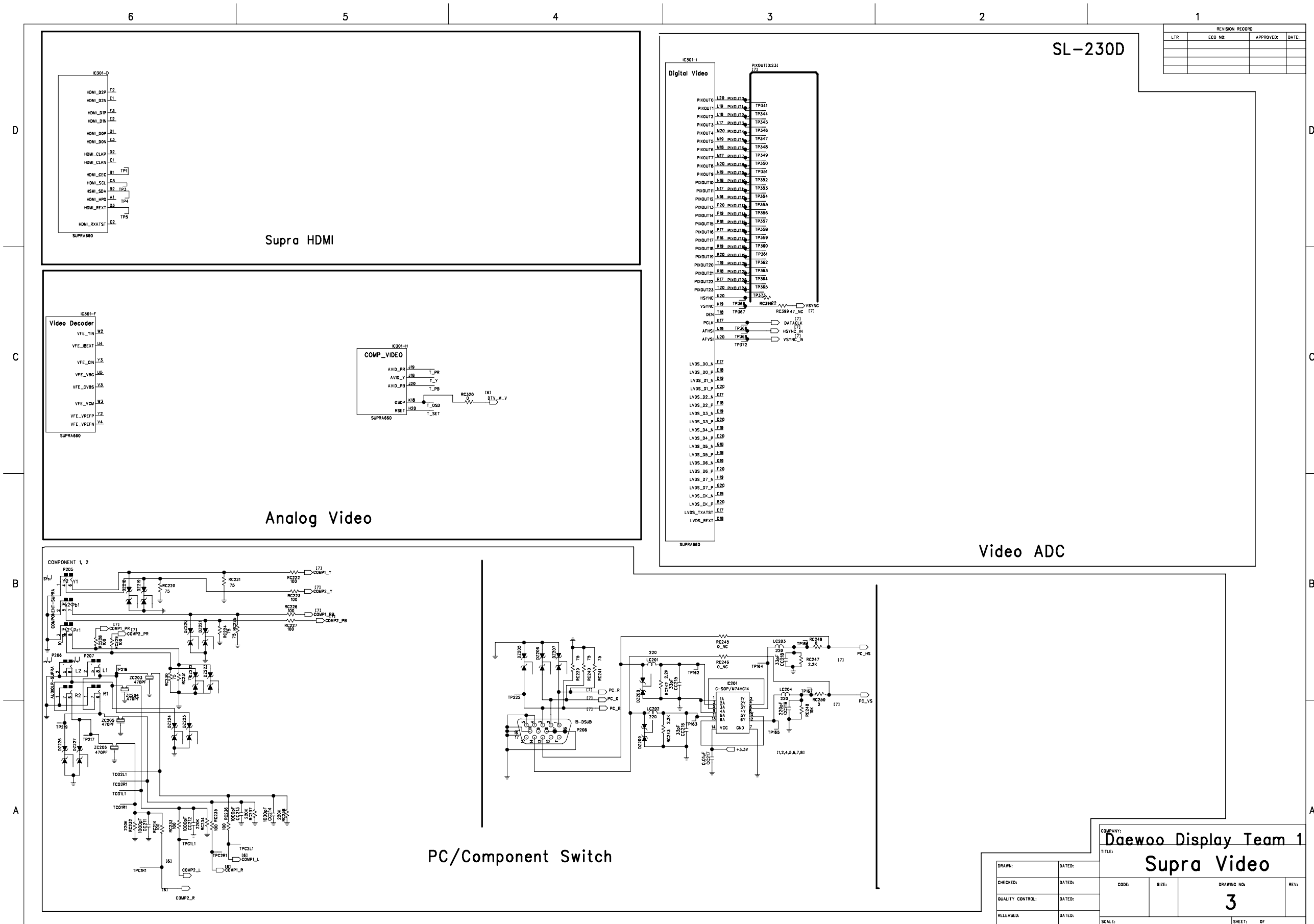
SL-230D

REVISION RECORD			
LTR	ECD NO:	APPROVED:	DATE:



COMPANY:		Daewoo Display Team6	
TITLE:		Supra 10 / Audio	
DRAWN:	DATED:	CODE:	SIZE:
CHECKED:	DATED:		
QUALITY CONTROL:	DATED:		
RELEASED:	DATED:		
DRAWING NO:			REV:
			2
SCALE:			SHEET: OF

# Schematics : Digital Board



COMPANY: **Daewoo Display Team 1**  
 TITLE: **Supra Video**

DRAWN:	DATE:	CODE:	SIZE:	DRAWING NO:	REV:
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QUALITY CONTROL:	DATE:				
RELEASED:	DATE:	SCALE:		SHEET:	OF

# Schematics : Digital Board

6

5

4

3

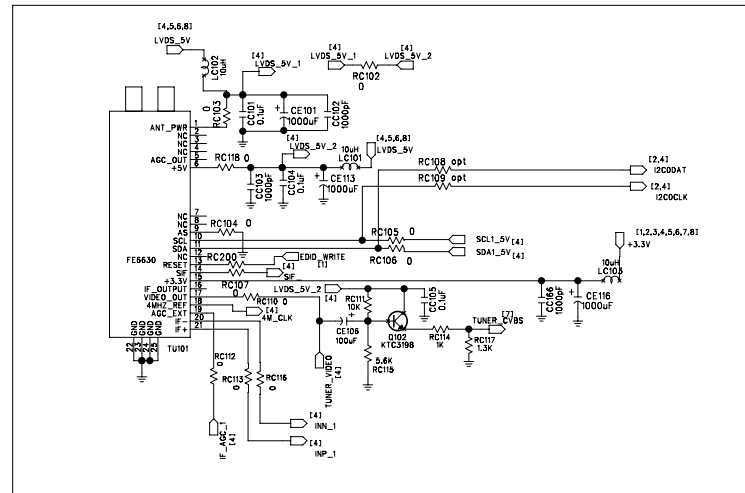
2

1

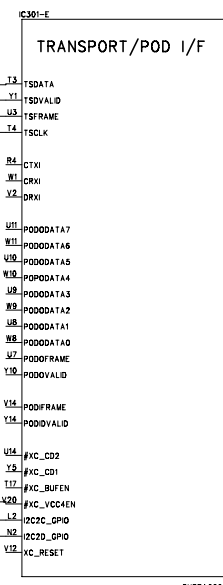
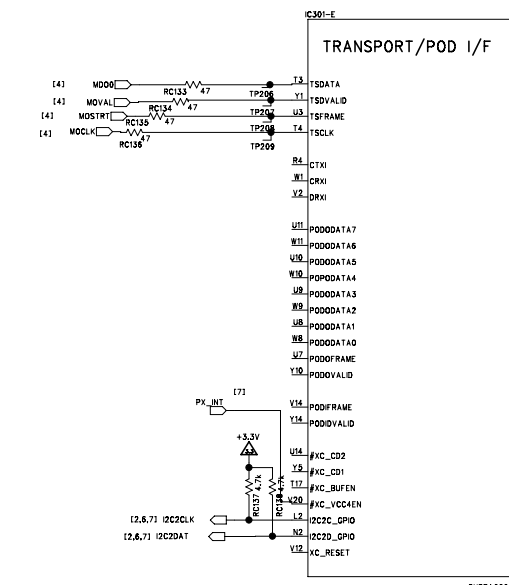
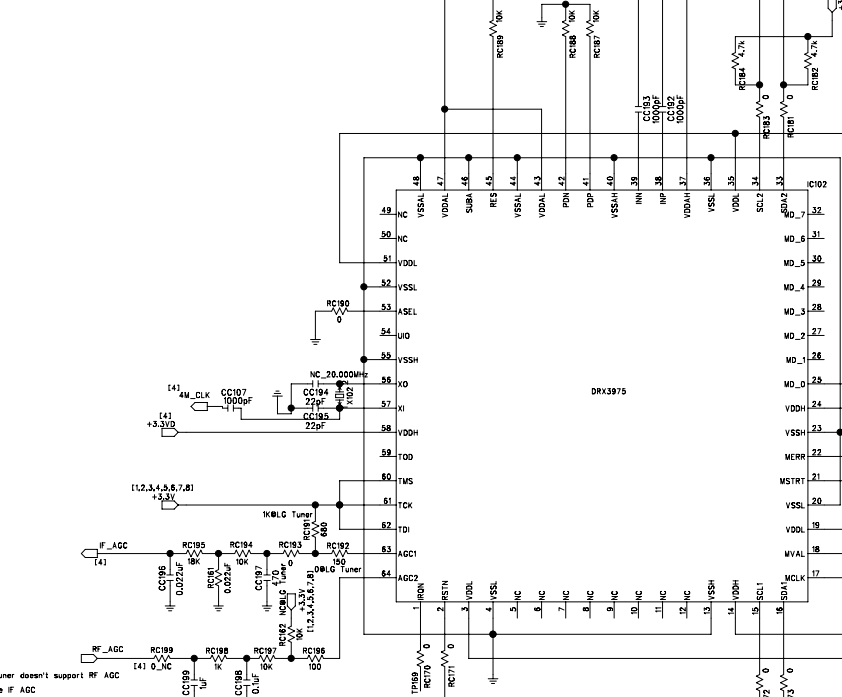
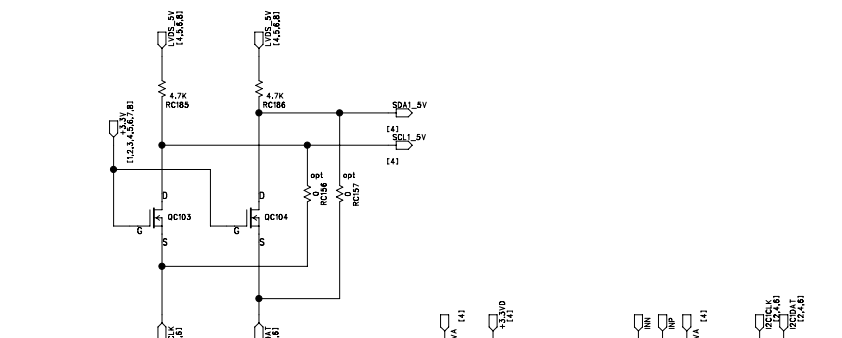
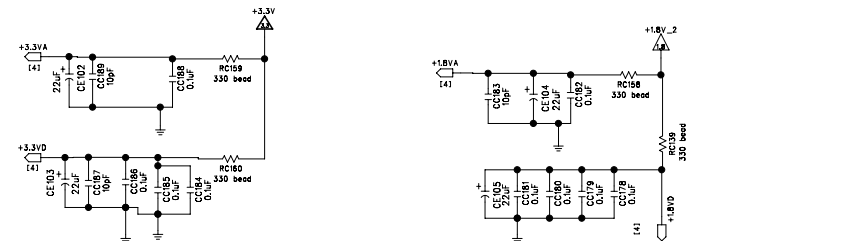
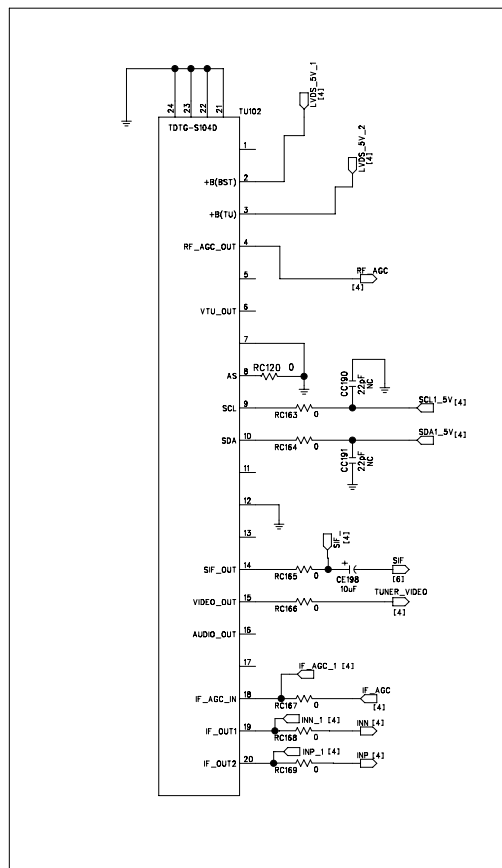
SL-230D

REVISION RECORD			
LTR	ECD NO:	APPROVED:	DATE:

## Thomson Tuner



## LG Tuner



COMPANY:			
Daewoo Display Team 1			
TITLE:			
Demodulator			
DRAWN:	DATED:	CODE:	SIZE:
CHECKED:	DATED:	DRAWING NO:	REV:
QUALITY CONTROL:	DATED:	4	
RELEASED:	DATED:	SCALE:	SHEET: OF

Schematics : Digital Board

6 5 4 3 2 1

SL-230D

LOC : 400

REVISION RECORD			
LTR	ECD NO:	APPROVED:	DATE:

D

C

B

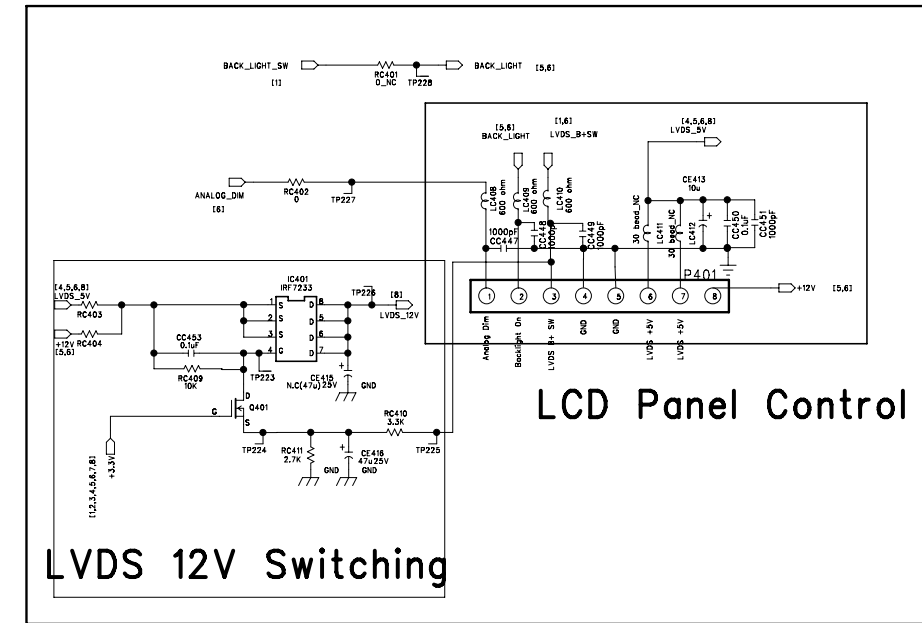
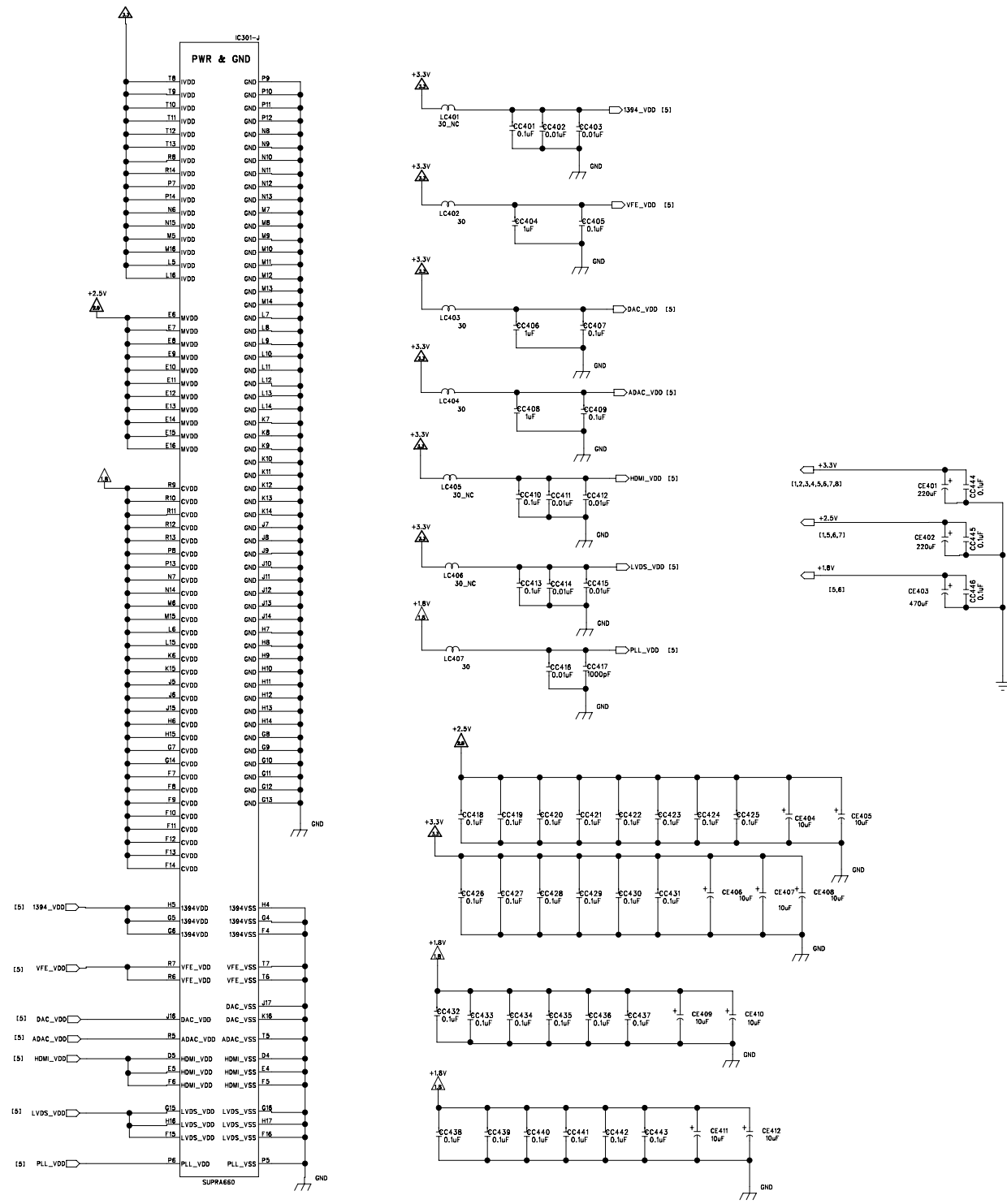
A

D

C

B

A



LCD Panel Control

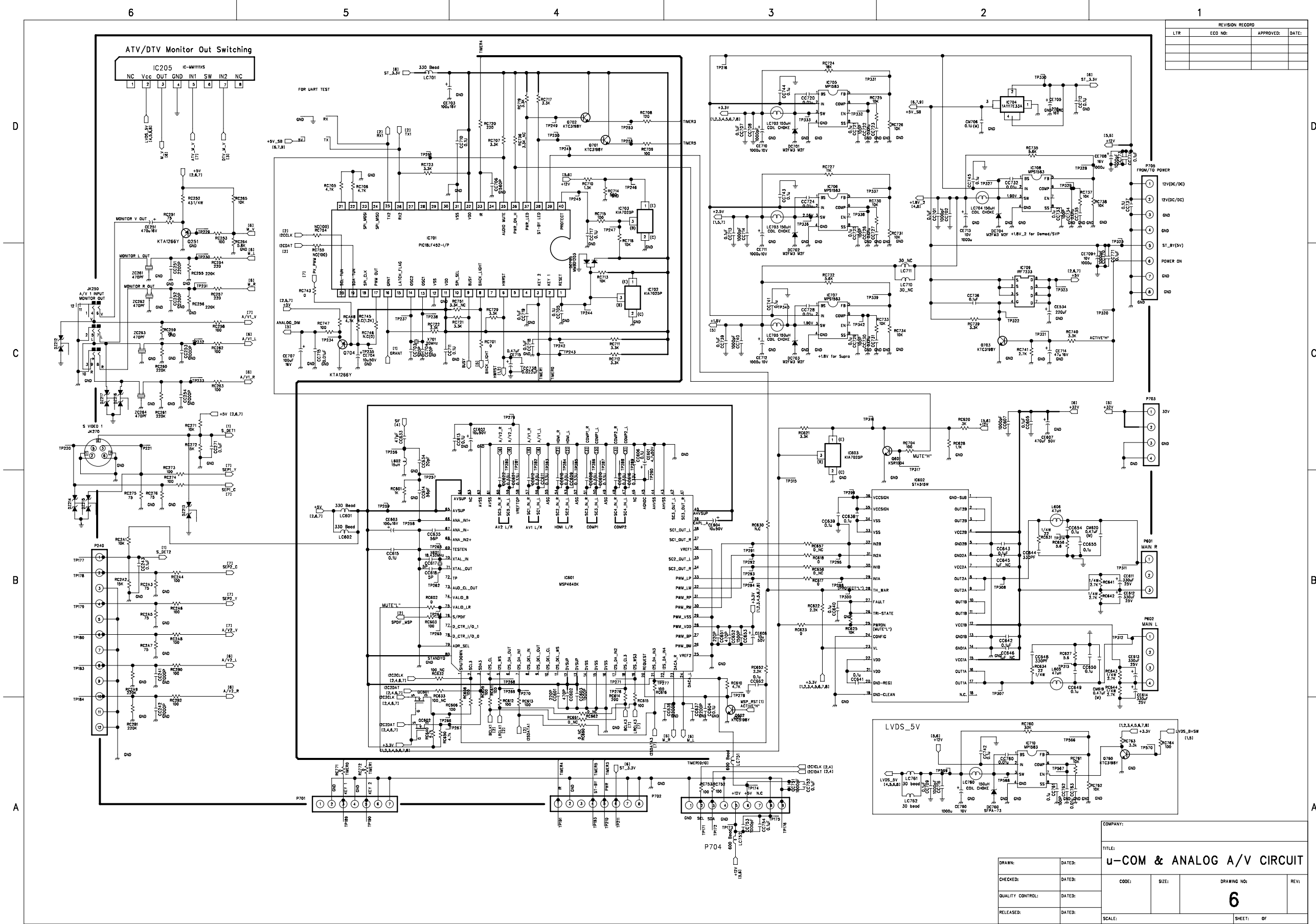
LVDS 12V Switching

COMPANY: Daewoo Display Team 1

TITLE: Supra Power / LCD Control

DRAWN:	DATED:	CODE:	SIZE:	DRAWING NO:	REV:
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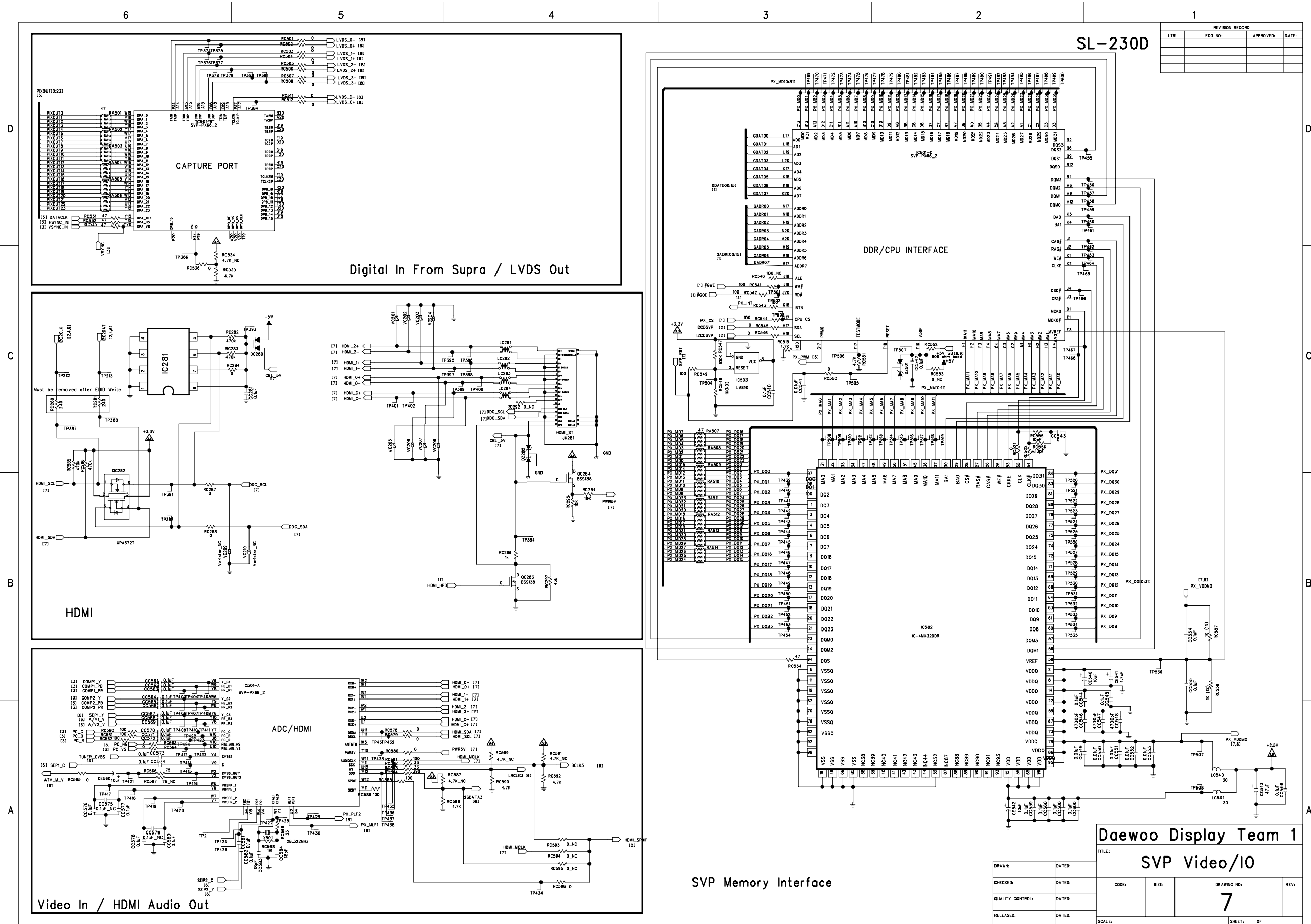
# Schematics : Digital Board



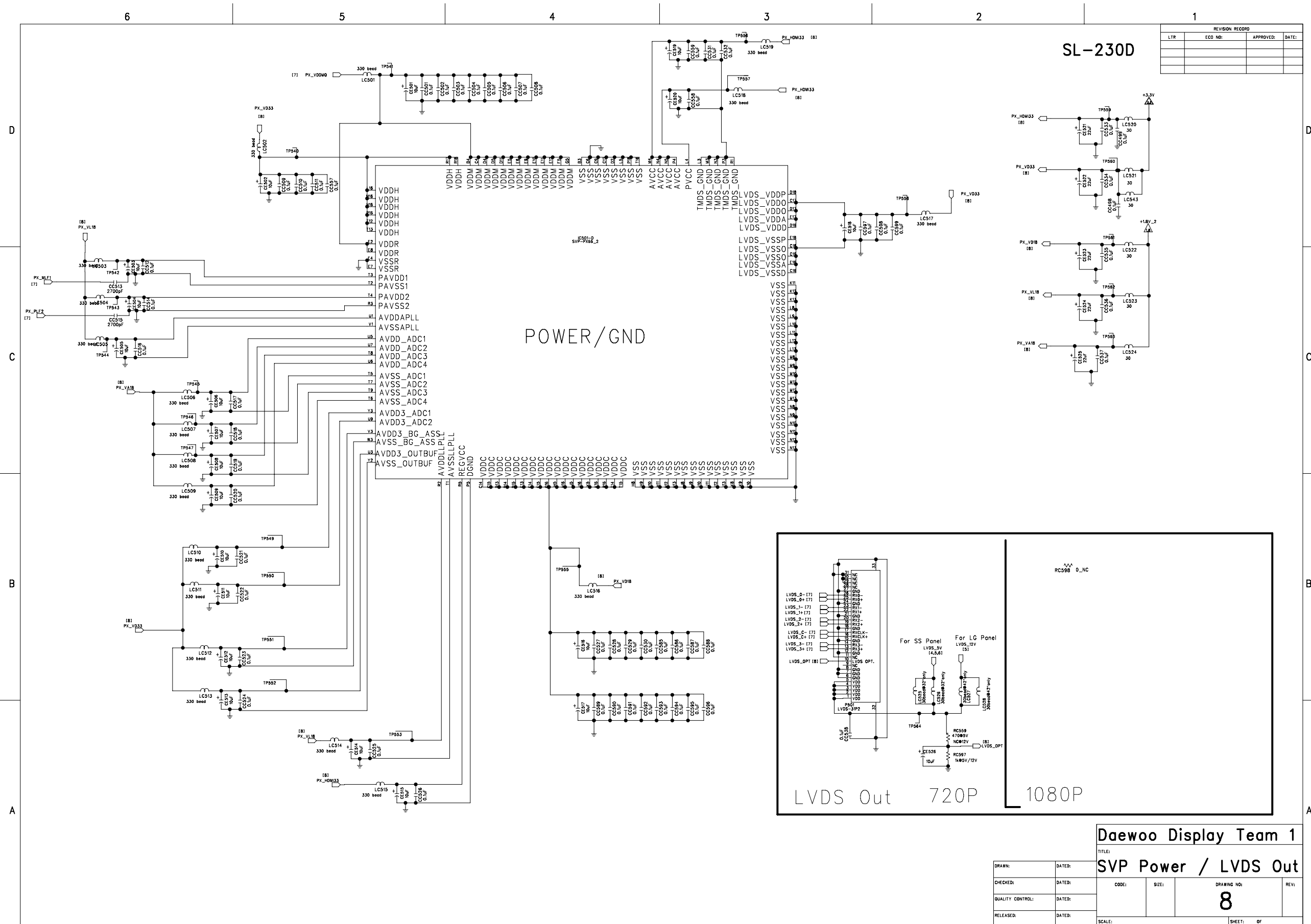
REVISION RECORD			
LTR	ECD NO.	APPROVED:	DATE:

COMPANY:			
TITLE:			
u-COM & ANALOG A/V CIRCUIT			
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CHECKED:	DATED:	CODE:	SIZE:
QUALITY CONTROL:	DATED:	CODE:	SIZE:
RELEASED:	DATED:	CODE:	SIZE:
DRAWING NO:			REV:
6			
SCALE:			SHEET: OF

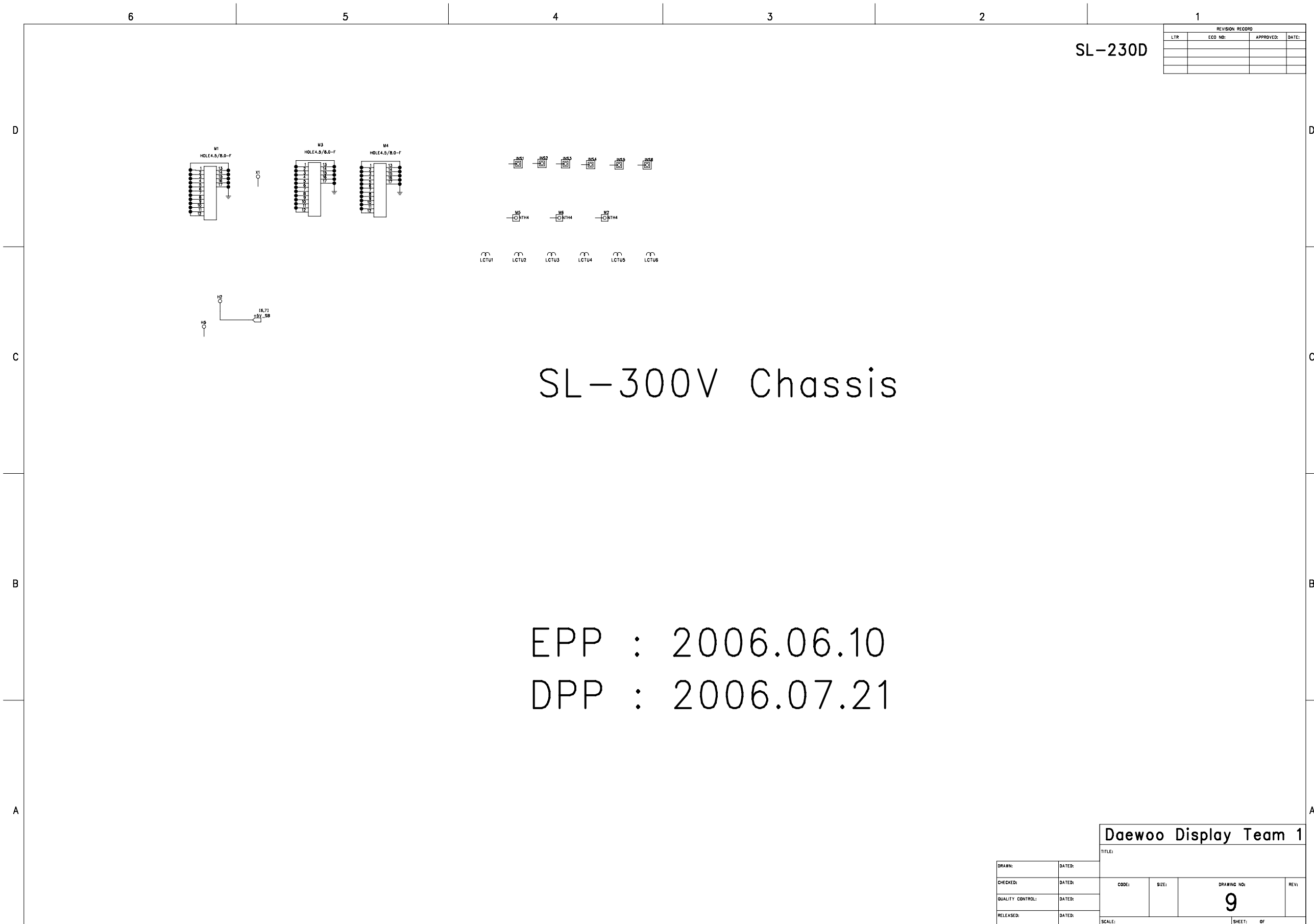
# Schematics : Digital Board



# Schematics : Digital Board



Daewoo Display Team 1  
 TITLE: SVP Power / LVDS Out  
 DRAWN:      DATED:      CODE:      SIZE:      DRAWING NO: 8  
 CHECKED:      DATED:      REVISION:      SCALE:      SHEET: 0F



SL-230D

REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

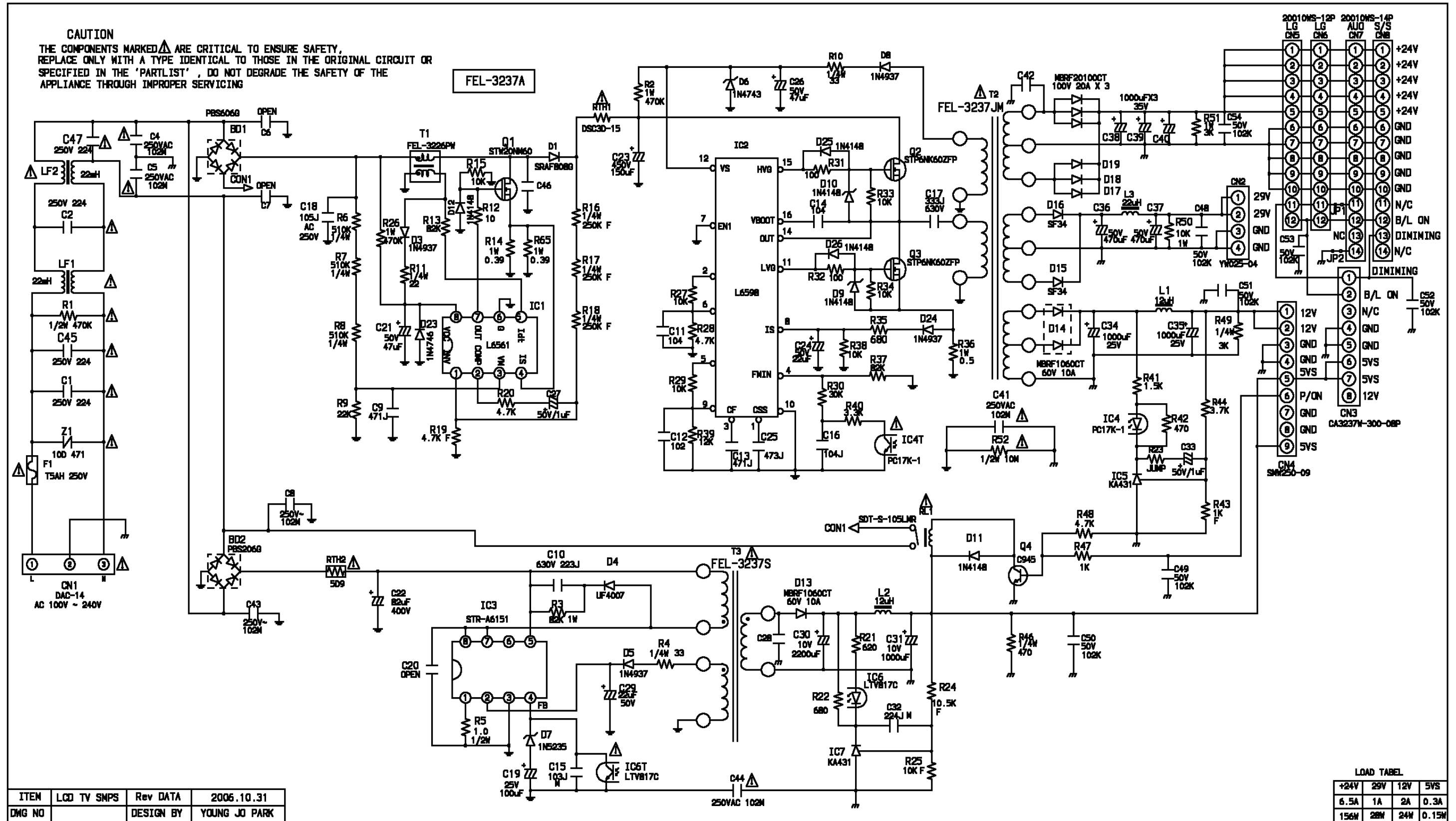
Daewoo Display Team 1

DRAWN:	DATED:	TITLE:		
CHECKED:	DATED:	CODE:	SIZE:	DRAWING NO:
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RELEASED:	DATED:	SCALE:	SHEET: OF	



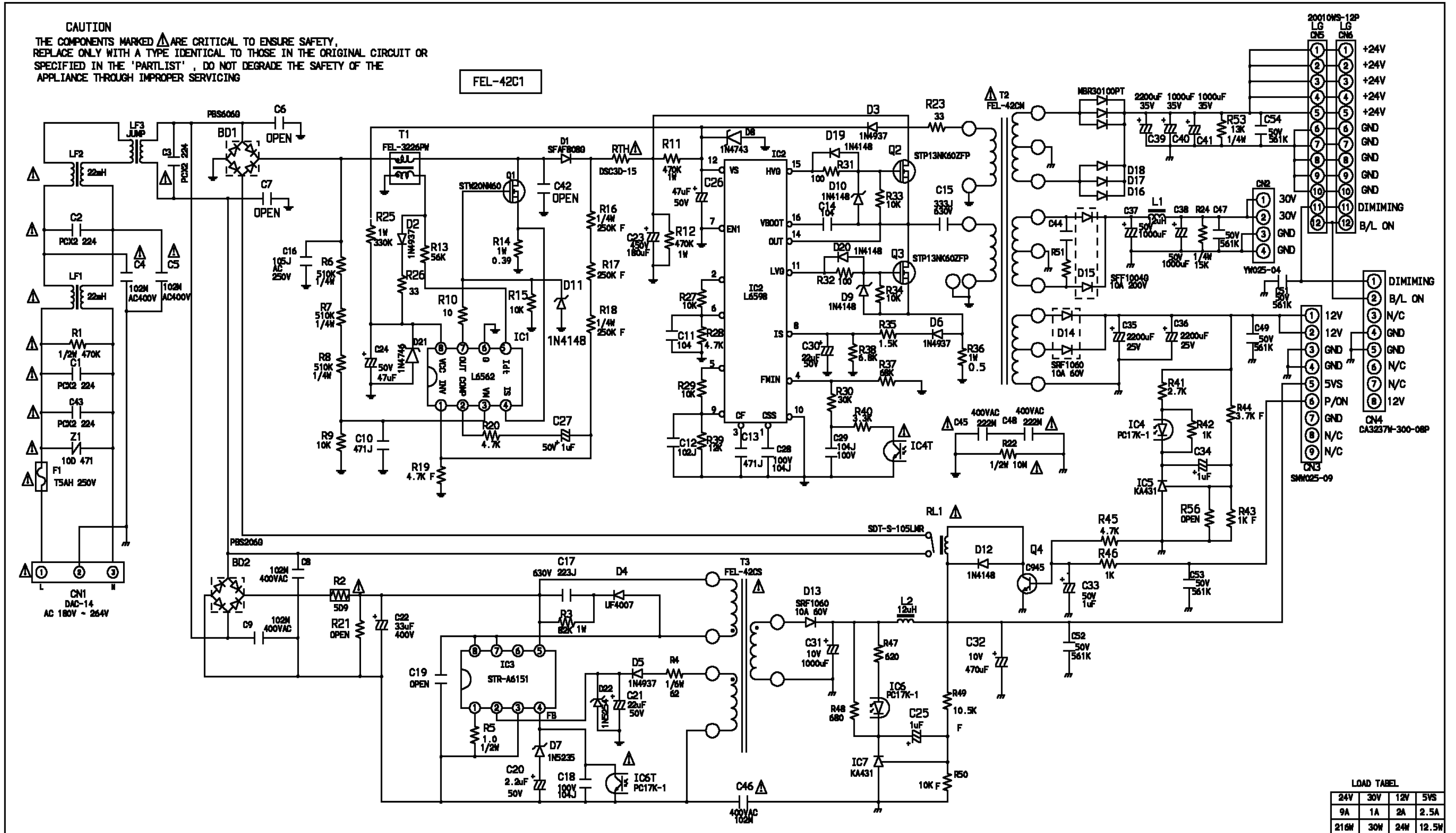
# 11. Schematics : SMPS

1) FEL-3237A : DLV-32C7SMB, DLV-37C7LMB



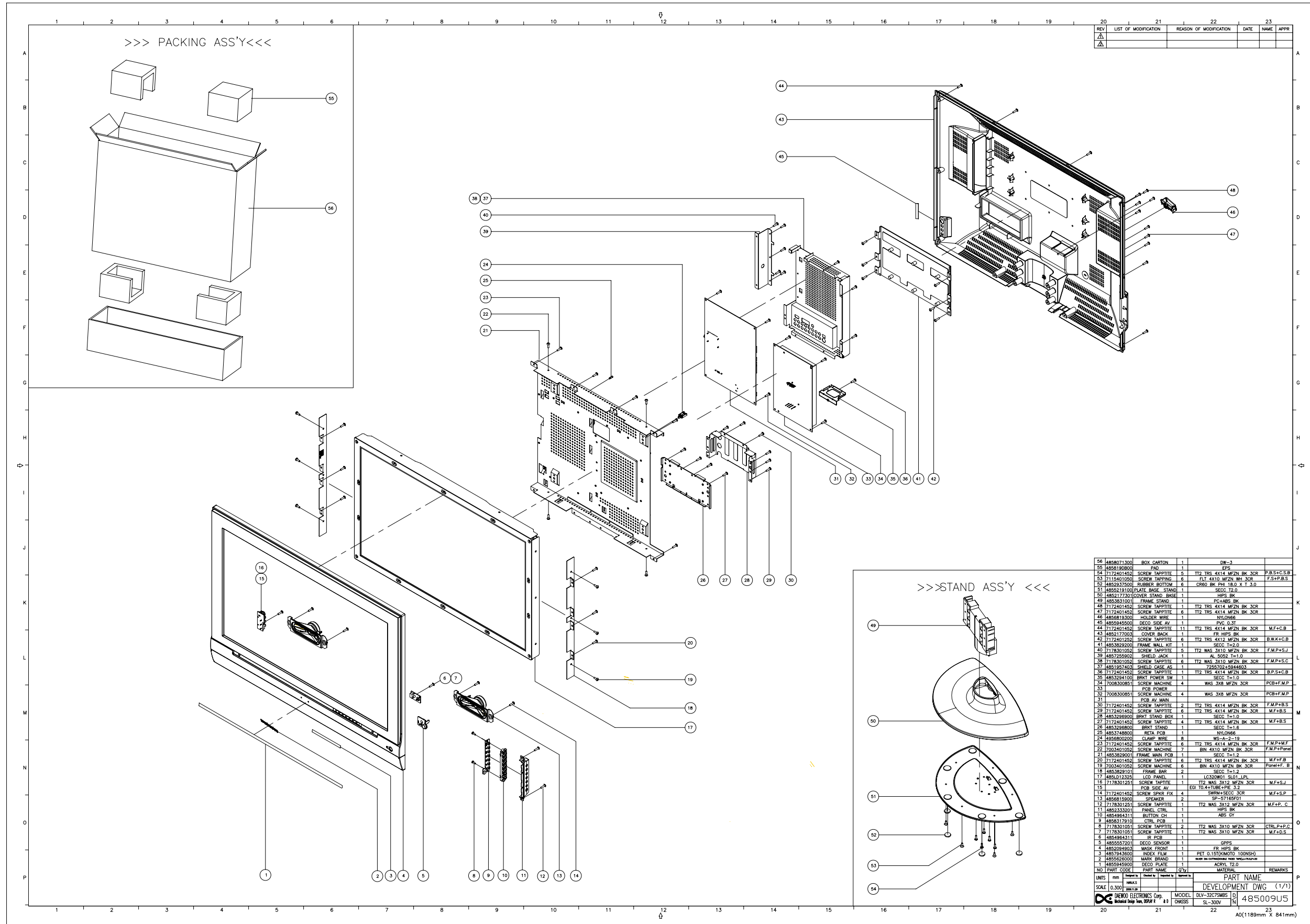
Schematics : SMPS

2) FEL-42C1 : DLV-42C7LMB



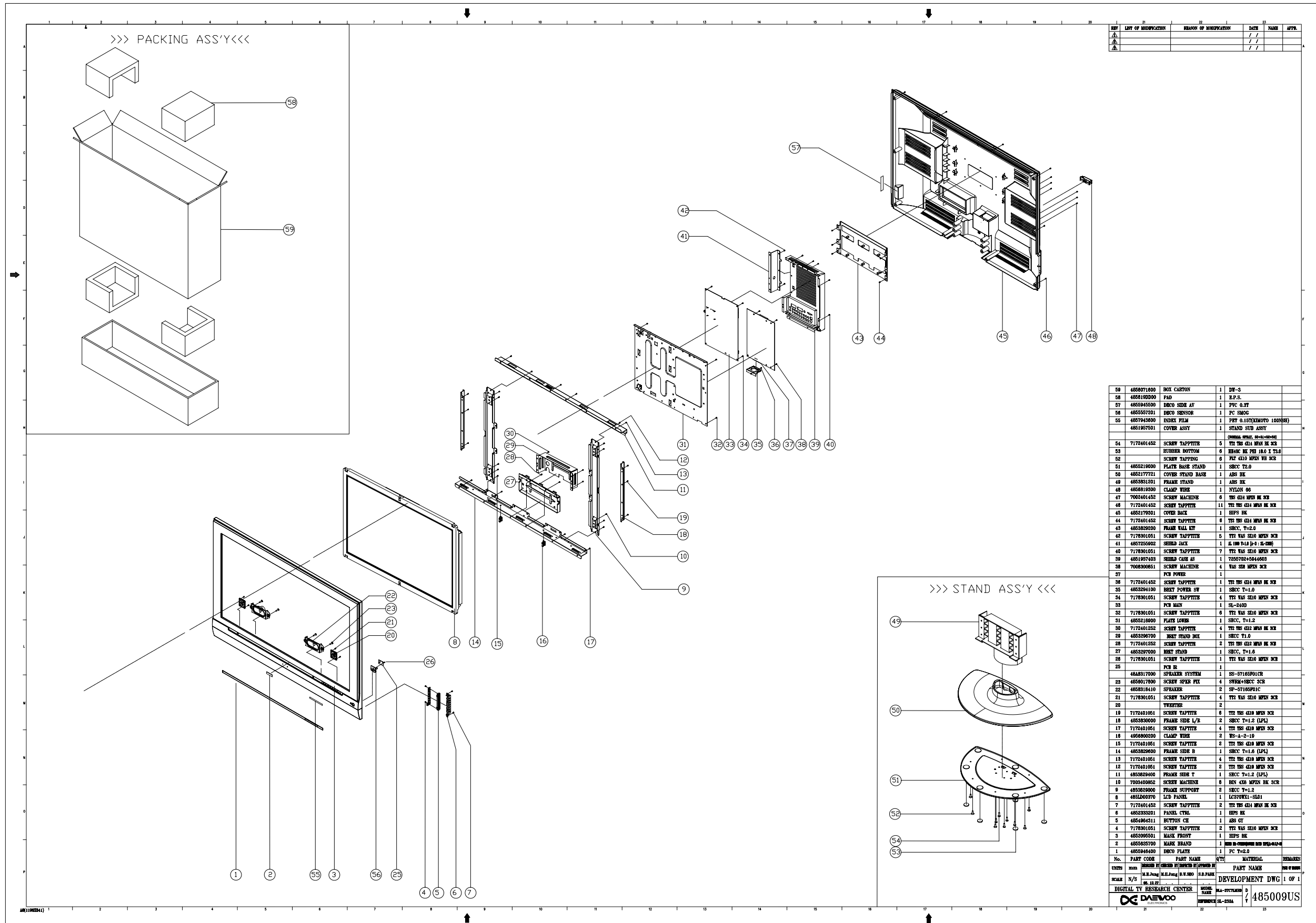
# 12. Mechanical Development Figure

## 1) DLV-32C7SMB



# Mechanical Development Figure

## 2) DLV-37C7LMB







**DAEWOO ELECTRONICS CORP.**  
686, AHYEON-DONG, MAPO-GU,  
SEOUL, KOREA.  
C.P.O. BOX 8003 SEOUL KOREA