Service Manual

Chassis : SL-S00T/10T

DAEWOO ELECTRONICS

Contents

****Caution

Some contents or parts in this manual may be changed for improving performanace without notice.
If the latest information is needed, please refer to Service Information Ceter.

Model line-up using SL-S00T/10T chassis.

1) Mechanical design of DAEWOO models.

Brand	L2 Cabinet	32 Inch (SL-S00T)	37 Inch (SL-S00T)	42 Inch (SL-S00T)	42 Inch FHD (SL-S10T)
DAEWOO	Black / Silver	LT32L2	LT37L2	LT42L2	LT42L2FH
	Black / Gold	LT32L2K	LT37L2K	LT42L2K	LT42L2KFH
	Black / Red	LT32L2R	LT37L2R	LT42L2R	LT42L2RFH
	Black / Blue	LT32L2Z	LT37L2Z	LT42L2Z	LT42L2ZFH

2) Mechanical design of hanseatic models.

Brand	L1 Cabinet	32 Inch (SL-S00T)	37 Inch (SL-S00T)	42 Inch (SL-S00T)
hanseatic	Black 1 Tone	LC32-260T	LC37-260T	LC42-260T

3) Buyer and Factory Model Names.

Brand	Chassis	BYR Model	FCT Model
DAEWOO	SL-S00T	LT32L1	LT32L1B1LM
DAEWOO	SL-S00T	LT32L1	LT32L1B1SM
hanseatic	SL-S00T	LC32-260T	LT32L1B1LM
hanseatic	SL-S00T	LC32-260T	LT32L1B1SM
DAEWOO	SL-S00T	LT37L1	LT37L1B1LM
hanseatic	SL-S00T	LC37-260T	LT37L1B1LM
DAEWOO	SL-S00T	LT42L1	LT42L1B1LM
hanseatic	SL-S00T	LC42-260T	LT42L1B1LM
DAEWOO	SL-S10T	LT42L1FH	LT42L1B1LF
hanseatic	SL-S10T	LC42-300FT	LT42L1B1LF
DAEWOO	SL-S00T	LT32L2	LT32L2BSLM
DAEWOO	SL-S00T	LT32L2	LT32L2BSSM
DAEWOO	SL-S00T	LT32L2K	LT32L2BKLM
DAEWOO	SL-S00T	LT32L2K	LT32L2BKSM
DAEWOO	SL-S00T	LT32L2R	LT32L2BRLM
DAEWOO	SL-S00T	LT32L2R	LT32L2BRSM
DAEWOO	SL-S00T	LT32L2Z	LT32L2BZLM
DAEWOO	SL-S00T	LT32L2Z	LT32L2BZSM
DAEWOO	SL-S00T	LT37L2	LT37L2BSLM
DAEWOO	SL-S00T	LT37L2K	LT37L2BKLM
DAEWOO	SL-S00T	LT37L2R	LT37L2BRLM
DAEWOO	SL-S00T	LT37L2Z	LT37L2BZLM
DAEWOO	SL-S00T	LT42L2	LT42L2BSLM
DAEWOO	SL-S00T	LT42L2K	LT42L2BKLM
DAEWOO	SL-S00T	LT42L2R	LT42L2BRLM
DAEWOO	SL-S00T	LT42L2Z	LT42L2BZLM
DAEWOO	SL-S10T	LT42L2FH	LT42L2BSLF
DAEWOO	SL-S10T	LT42L2KFH	LT42L2BKLF
DAEWOO	SL-S10T	LT42L2RFH	LT42L2BRLF
DAEWOO	SL-S10T	LT42L2ZFH	LT42L2BZLF

1. Safety Precaution.

(1) When moving or laying down a LCD Set, please deal with care. Avoid any impact towards the LCD Set.

(2) Do not leave a broken LCD Set on for a long time. To prevent some damages, after check it, 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 connecting position and type of the screw.
Sort out the screws and store them separately, because screws holding PCBs are working as a ground level, make sure to check if any screw is missing when assembling.

(5) A LCD Set contains different kinds of connector cables.
Before connecting or disconnecting connector cables, check the direction and position of the cable beforehand.

(6) When disconnecting connectors unplug the connectors slowly with care.

(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, make sure to check their kind, position, and direction.

2. Preliminary Troubleshooting

2-1) LCD TV does not response or remote controller does not work.

① Check the power cord to be plugged.

② Check the battery of the remote controller.

2-2) Sound is discontinuous or broken sometimes.

① Check [SOUND] -> [AVC] is [ON].

② Set the sound into 'Mono'.

③ Ask for the broadcasting station if the RF cable connection has no problem.

④ Ask for the broadcasting station to check signal strength of RF cable.

2-3) Picture of digital program is sometimes broken and sound is discontinuous.

① Digital program has a little problem because of signal receiving status.

② Check the RF cable connection.

③ Ask for the broadcasting station if the RF cable connection has no problem.

④ Ask for the broadcasting station to check signal strength of RF cable.

2-4) Picture of analog program is noisy.

① Check the RF cable connection.

② Check [Picture] -> [Noise Reduction] is ON.

③ Change the [Install] -> [Analog or Digital Manual Tuning] -> [Fine] value.

④ Ask for the broadcasting station to check signal strength of RF cable.

2-5) Sound is not generated in HDMI mode.

① Reconnect HDMI jack.

② DVI cable has no sound. Check the output signal of device to be connected to LCD TV.

③ If you want to use DVI-HDMI cable, to listen sound, stereo cable should be connected to PC audio jack.

2-6) In spite of 'Auto Adjust', picture size in the PC mode is not completely adapted to the screen.

① Check if the input signal is available.

② Ensure that the desktop has no black area.

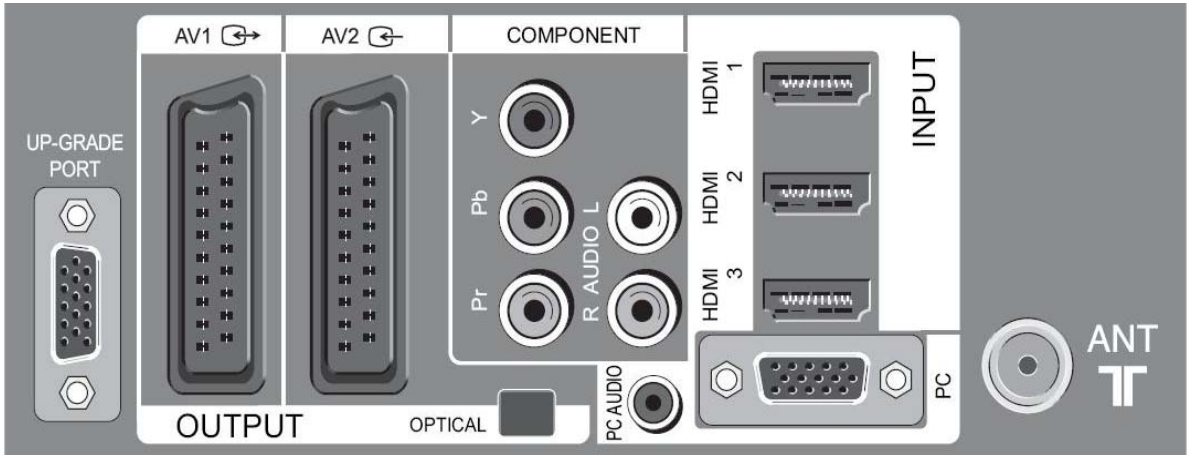
③ Some errors (picture position problem) will be occurred according to certain video card.
In this case, you should adjust 'Frequency' control.

2-7) In spite of 'Auto Adjust' in the PC mode, picture is not clear.

① Adjust 'Phase' control.

3. Product Specifications.

3-1) Standard.

		32 Inch HD Model	37 Inch HD Model	42 inch HD Model	42 inch Full HD Model
LCD Panel	Screen Size	32″	37″	42″	42″
	Aspect Ratio	16 : 9	16 : 9	16 : 9	16 : 9
	Resolution	1366 × 768	1366 × 768	1366 × 768	1920 × 1080
	Pixel Pitch	0.42x0.42	0.51 × 0.51	0.6x0.6	0.484x0.484
	Contrast Ratio	10,000:1	10,000:1	10,000:1	12,000:1
Dimension (W×H×D)		796X515.5(563)X87(244)	927X596(656)X98(320)	1033x655(714)x106(320)	1033x655(714)x106(320)
Max Power Consumption		115W	150W	170W	180W
TV System		PAL-I, B / G, D/K, SECAM-B/G, D/K, L/L', DVB-T			
Power Source		220-240V, 50-60Hz			
In/Output Jack		  			

※ In Dimension, the size in the brackets is set dimension with stand. Owing to our policy of continuous improvement, specifications may change.

3-2) Available Input Signal.

Interface	Source	VF
RF	PAL-B/G, B/H	50Hz
	DVB-T	50Hz
Video	PAL-B/G, B/H	50Hz
	PAL-60	60Hz
	NTSC-M	60Hz
	NTSC-4.43	60Hz
S-VIDEO	PAL-B/G, B/H	50Hz
	PAL-60	60Hz
	NTSC-M	60Hz
	NTSC-4.43	60Hz
Component	480I	60Hz
	576I	50Hz
	480P	60Hz
	576P	50Hz
	720P	50Hz
		60Hz
	1080I	50Hz
		60Hz
	1080P*	60Hz
		50Hz
PC	640 x 480	60Hz
		72Hz
		75Hz
	800 x 600	60Hz
		72Hz
		75Hz
	1024 x 768	60Hz
		70Hz
		75Hz
	1360 x 768	60Hz
	1920 x 1080*	60Hz
HDMI	640 x 480	60Hz
		72Hz
		75Hz
	800 x 600	60Hz
		72Hz
		75Hz
	1024 x 768	60Hz
		70Hz
		75Hz
	1360 x 768	60Hz
	1920 x 1080*	60Hz

Interface	Source	VF
Media	USB Memory	

Precautions when using the USB device

• Only a USB storage device is recognizable.

• If the USB storage device is connected through a USB hub, the device is not recognizable.

• A USB storage device using an automatic recognition program may not be recognized.

• A USB storage device which uses its own driver may not be recognized.

• The recognition speed of a USB storage device may depend on each device.

• Please do not turn off the TV or unplug the USB device when the connected USB storage device is working. When such device is suddenly separated or unplugged, the stored files or the USB storage device may be damaged.

• Please do not connect the USB storage device which was artificially maneuvered on the PC. The device may cause the product to malfunction or fail to be played. Never forget to use only a USB storage device which has normal music files or image files.

• Please use only a USB storage device which was formatted as a FAT or NTFS file system provided with the Windows operating system. In case of a storage device formatted as a different utility program which is not supported by Windows, it may not be recognized.

• Please connect power to a USB storage device which requires an external power supply. If not, the device may not be recognized.

• Please connect a USB storage device with cable is offered by USB maker. If connected with cable is not offered by USB maker or an excessively long cable, the device may not be recognized.

• Some USB storage devices may not be supported or operated smoothly.

• File alignment method of USB storage device is similar to Window XP and filename can recognize up to 25 European characters.

• Please backup important files because data on USB device may be damaged. Data management is consumer's responsibility and as a result, the manufacturer does not cover data damage.

Supported format

1. Music : This TV supports only **MP3** format which has sampling rate of 44.1kHz.
2. Photo : This TV supports only **JPEG** format.

** : Full HD Model Only*

3-3) Available user remote controller.

1. POWER : TV on/off button in STANDBY mode.

2. NUMBER : Press the number buttons, you can select PR directly in TV mode.
Note: When the current state is ST-BY, you can turn on the TV using the digit key (0~9) and PR Up/Down buttons.

3. MEDIA : Enjoy Music and Photo when USB, including MP3 and JPG files, is connected by TV.

4. You can select sound mode in Mono, Stereo, Dual1, Dual2, NICAM Stereo. It works only in TV mode.

5. MENU : Displays MENU OSD

6. GUIDE : Access Electronic Program Guide (EPG).

7. EXIT : Exits from a MHEG.

8. ◀/▶ : Moves the cursor in the menu.

9. ▲/▼ : Moves the cursor in the menu or Page up/down in the Teletext.

10. OK : Selects and confirms the item. If you press this button in TV mode, channel banner appear.

11. INPUT : You can change input .

12. OPTION : You can access Sound Effect, Channel Edit and Sleep timer items directly.

13. FAV PR : You can change Favourite CH list as follows:

14. Red, Green, Yellow, and Blue : Special function keys.

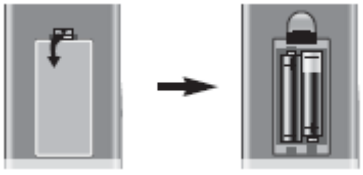
15. +VOL - : Adjusts the volume.

16. ∧PR∨ : Changes the program on your TV .

17. MUTE : Speaker sound On/Off.

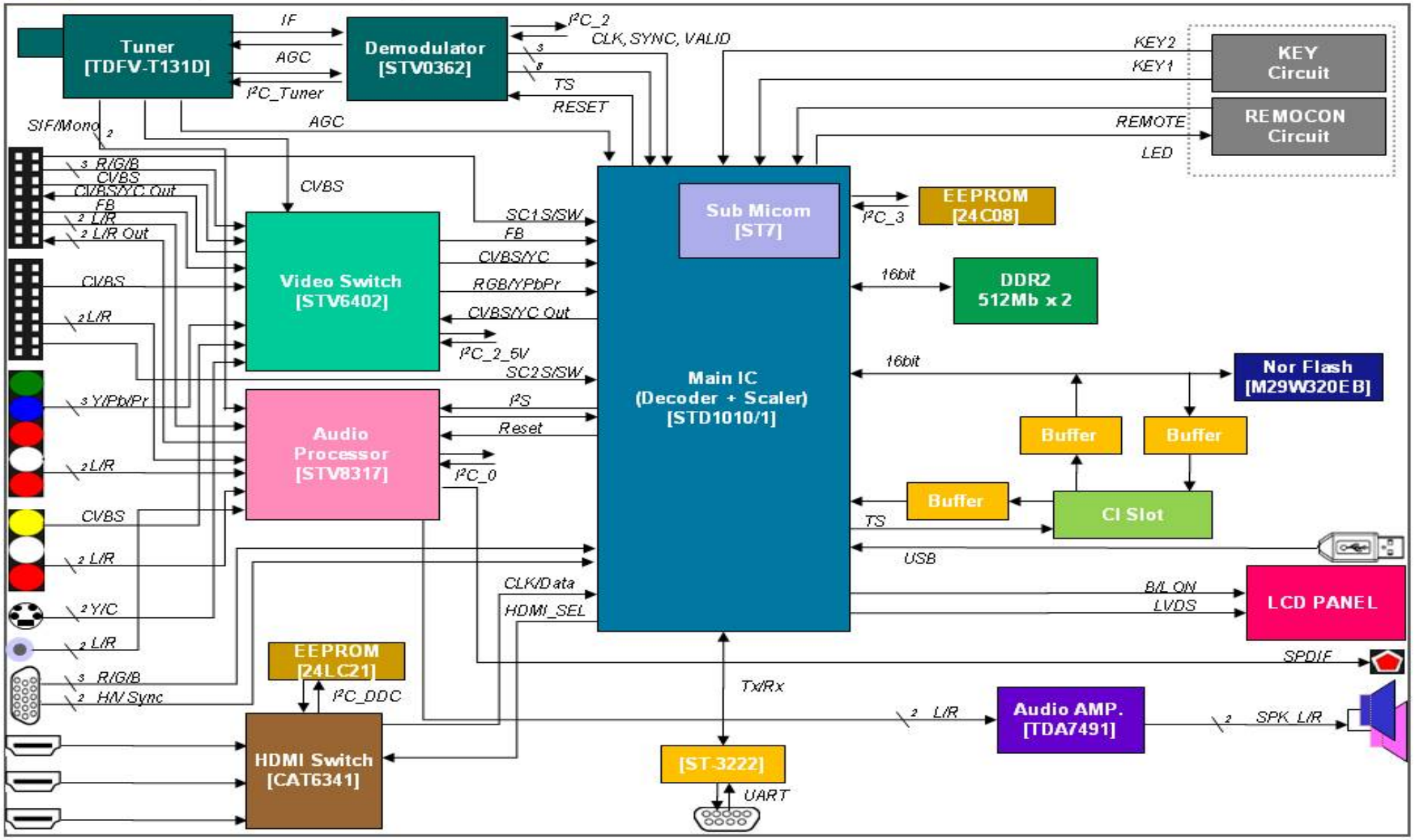
18. TEXT : Enter into Teletext, exit from Teletext .
Note : These TVs do not support Picture-in-Picture Function.

Inserting Batteries into the Remote Control Unit
To load the batteries, turn the remote control handset over and open the battery compartment. Insert the batteries (Two 1.5v, type AAA).
Make sure that the polarity matches with the (+) and (-) marks inside of the battery compartment.



Note : To avoid damage from possible battery leakage, remove the batteries if you do not plan to use the remote control handset for an extended period of time.

4. Block Diagram.



5. Software Update.

5-1) Update using RS-232C cable.

5-1-1) Preparation.

① TV Set.

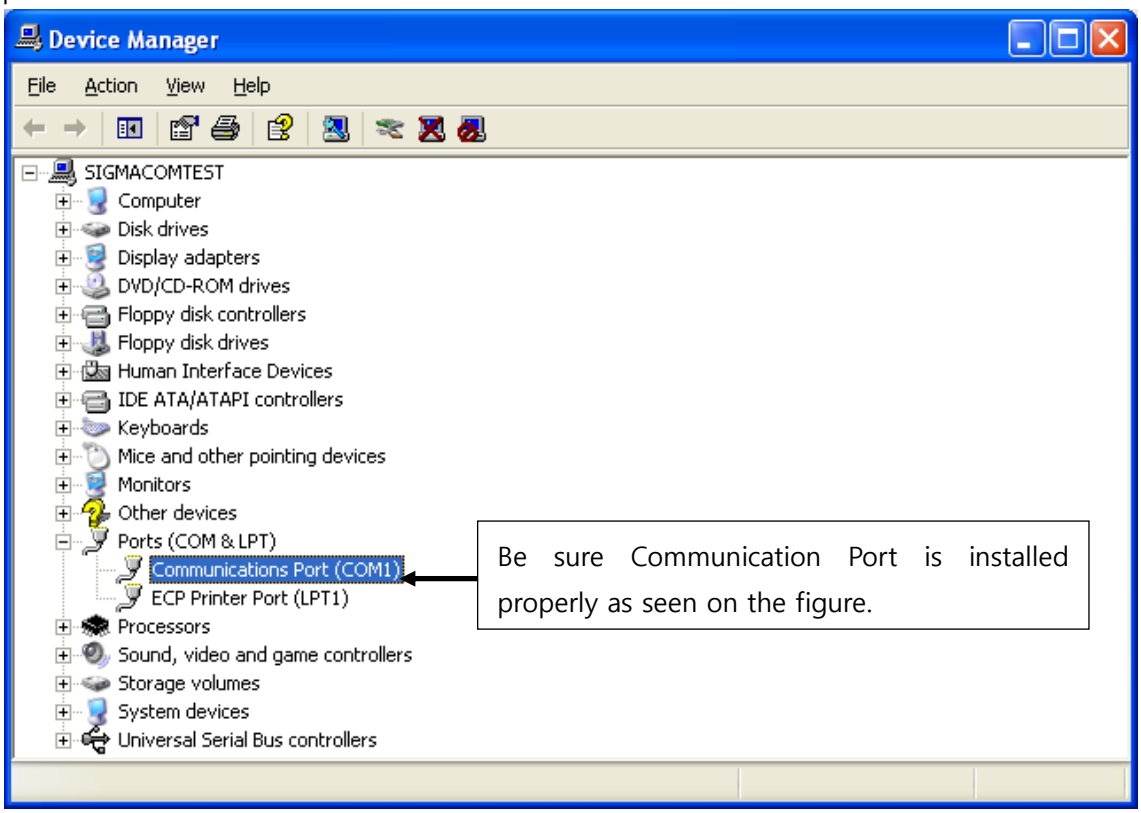
② Update Cable (RS-232C Cable).

③ IBM Compatible PC.

5-1-2) System Configuration.

PC Configuration.

All the configuration of Serial Port (COM1/COM2) should be done before proceed because the update requires RS-232C port of PC.



If Communication (Serial) Port is not installed, check your CMOS (Computer System Menu) and activate Serial Port in it.

5-1-3) Introduction.

A PC tool "Serial Flasher" is provided to update Magello software.

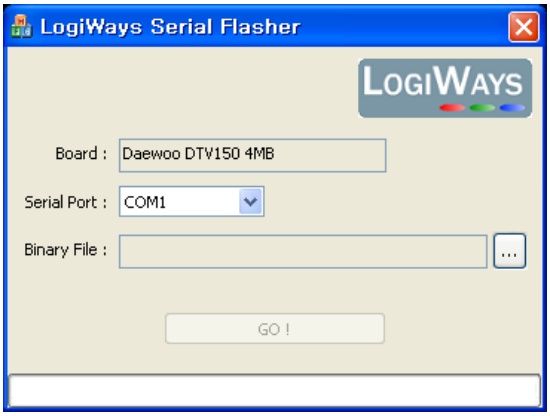
The PC tool must be started before starting up the board.

5-1-4) Tool installation.

Uncompress the zip file provided in a working directory.
In this directory copy also the binary file (magello.bin) which will be used for the software update.

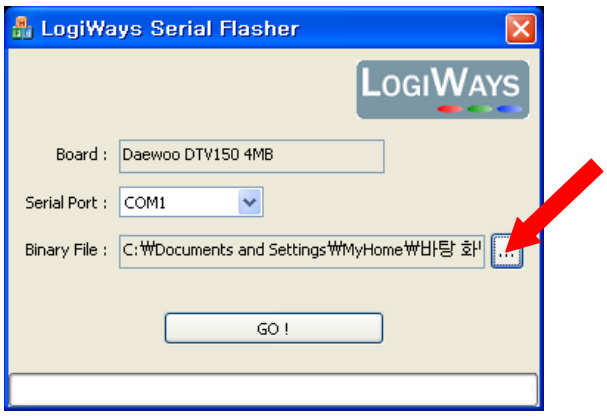
5-1-5) Procedure.

① Main power off the board.
② Connect a serial cable(RS-232C) between the board and the PC where the "Serial Flasher" is installed.
③ Check the new "magello.bin" is in the "Serial Flasher" directory.
④ Start the PC Tool : LW Serial Flasher_Daewoo_IDTV.exe.



< Main screen of Serial flasher>

⑤ Use browse button "..." to select the new software for the upgrade (magello.bin).



<Serial flasher : New software selected>

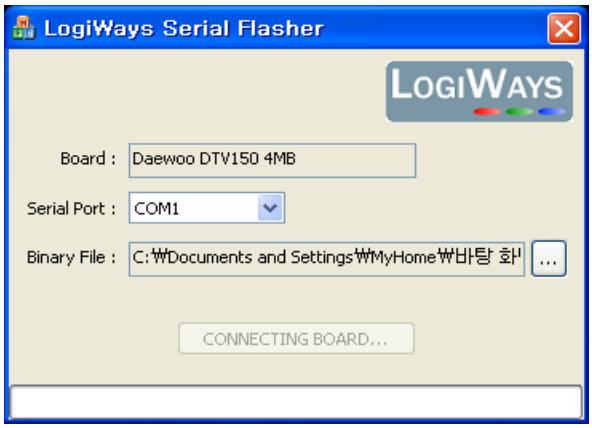
⑥ Press "GO!" to start the connection process.

⑦ Power on the board.

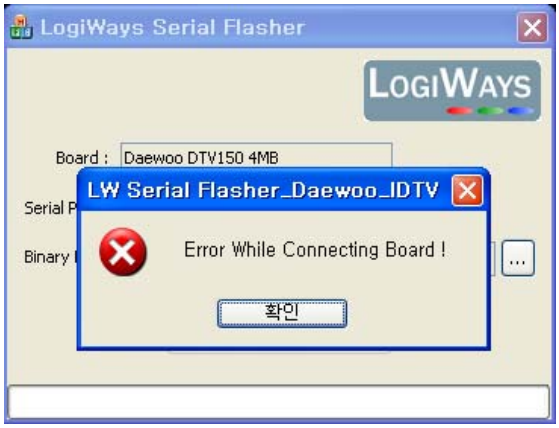
⑧ Wait a few seconds for the connection process to start : The message : « Connecting board ... » is displayed.

First of all, power of board should be turned on, as a normal operating mode, during update.

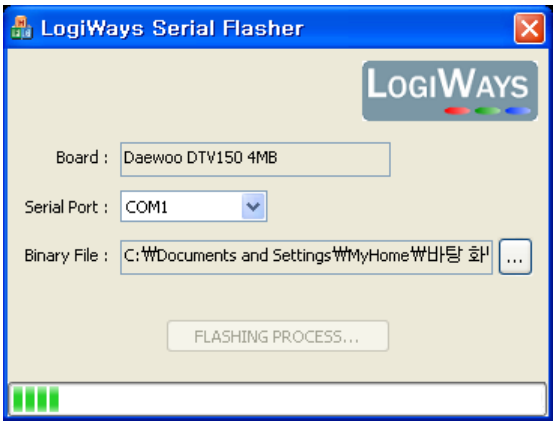
If error message is displayed, after turn off main power, check above ②. And then repeat from ① to ⑦.



<Connecting PC and Main Board>



<When error message displayed>



<Processing Update>

<Update is completed>

⑨ After the main board is updated completely with the new software, turn off main power and then turn on.

⑩ After EEPROM reset in Factory mode(#6) should be done is ready to use.

5-2) Upgrade using USB Memory.

1) Insert USB (contain xxx.bin file) and then USB Download Window appeared.

2) Select file to upgrade and press OK key.

3) TV set will turn off and upgrade automatically.

4) After about one minute, TV set will turn on automatically

6. Service mode.

6-1) Using the Service Remote controller.

: you can enter service mode directly and change default value using R-34SVC (S/N: 48B3034SVC) as a table.

Key	Name	Details	Value
S1	Heat-Run		
S2	Luma Chroma delay		Default : 0 (For R&D engineer)
S3	Speaker Volume		minimum->middle->maximum
S4	Inch Option	Adjust white balance data for each Panel	32 → 42 → Full 42 → 37 inch
	ST7 ESD	For electric charge problem	Default : On
S5	Dot Pixel test		BLACK → WHITE → RED → GREEN → BLUE
S6~S11		**(Future Available)****	
S12	Shipping	Set up at shipping mode	

6-2) Using the User Remote controller (S/N : 48B6360B01).

: you can also enter the factory mode by pressing Red, Green, and Menu Button continuously as a table.

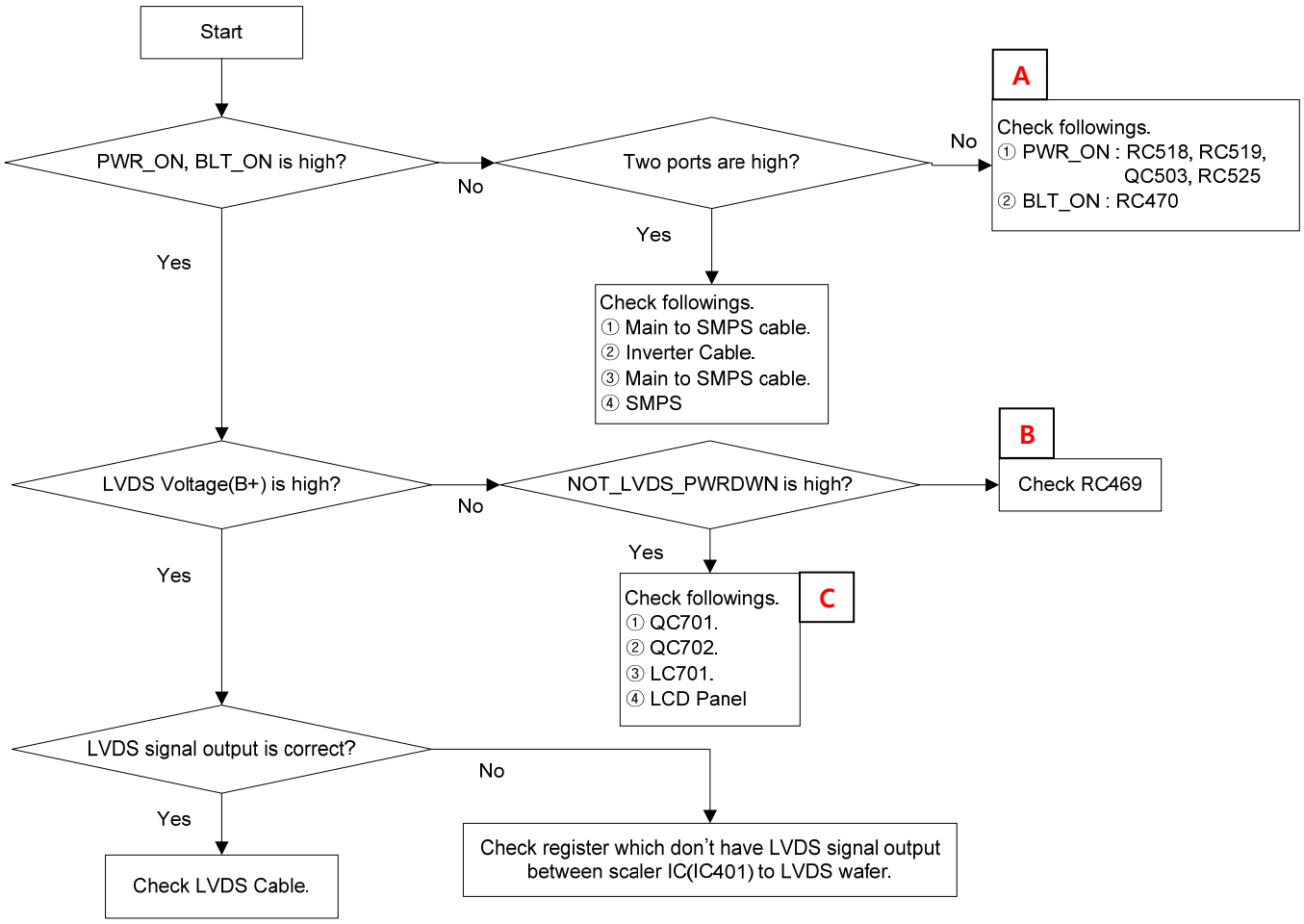
Key	Name	Details	Function	
1	Module Name	DTV150EU		
	I2C Sleep		Default : Off (For R&D engineer)	
	Color Temp		Normal → Cold → Warm	
	R Drv		Default : 50	(37″)
	G Drv		Default : 52	
	B Drv		Default : 57	
	R Gain		Default : 0	
	G Gain		Default : 0	
	B Gain		Default : 0	
2	Same as S4			
3	Source save	Not used	Default : Off (For R&D engineer)	

Key	Name	Details	Function	
4	Brightness Min	Fix	-128	
	Brightness Mid	Fix	0	
	Brightness Max	Fix	127	
	Contrast Min	Fix	40	
	Contrast Mid	Fix	111	
	Contrast Max	Fix	182	
	Color Min	Fix	0	
	Color Mid	Fix	256	
	Color Max	Fix	507	
	Sharpness Min	Fix	0	
	Sharpness Mid	Fix	18	
	Sharpness Max	Fix	36	
	Tint Min	Fix	-32	
	Tint Mid	Fix	0	
	Tint Max	Fix	31	
	Picture Mode	Fix	Cinema→Normal→Favourite →Dynamic	
	Brightness	Fix	32	(Normal)
	Color	Fix	32	
	Sharpness	Fix	32	
	Contrast	Fix	58	
	Tint	Fix	0	
5	Level Prescale AM	Fix	9	
	Nicam Prescale	Fix	20	
	FM Prescale	Fix	6	
	SCART Prescale	Fix	-1	
	Level Prescale I2S0	Fix	-10	
	Level Prescale I2S1	Fix	8	
	Level Prescale I2S2	Fix	8	
	Level Prescale I2S3	Fix	8	
6	Field Mode detection	Picture quality	(For R&D engineer)	
	EEPROM Reset	Press OK key, EEPROM data erased and TV set reboot automatically		
	ST7 FW	ST7 upgrade.		
	EDID Reset	For update EDID data		
7	White balance	R.G.B & Gamma Testing item		
	Initial gamma correction & Color Warping tuning			
	Gamma correction check			
	RGB compliance check			
8	Advanced setting	Advanced Picture setting (For R&D engineer)		
9	Hotel mode	Not ready.	(For special purpose)	
	Initial Input			
	Max Vol Level			
	Max PR.			
	Local Key Lock			
	Remote Lock			

7. Hardware Trouble Shooting

7-1) No picture or picture with poor quality.

7-1-1) Back-light does not turn on and no LVDS signal.



A. Check RC470.

: RC470 is only one path from main chip(IC401) to SMPS. During power on, both sides of RC470 should be high. If it is high and back light of LCD does not turn on, check as 'Check followings'. If cables are no problem, finally check SMPS. (see the page 36)

B. Check RC469

: RC469 is located between main chip(IC401) and transistor(QC701) for switch LCD panel power. During power on, both sides of RC469 should be high. If it is high and LCD power is low, check as 'Check followings'. If QC701, QC702, LC701 are no problem, check LCD panel.

C. Details of Check followings.

-. QC701 : Transistor for switching LCD panel power.

-. QC702 : FET for driving LCD panel power.

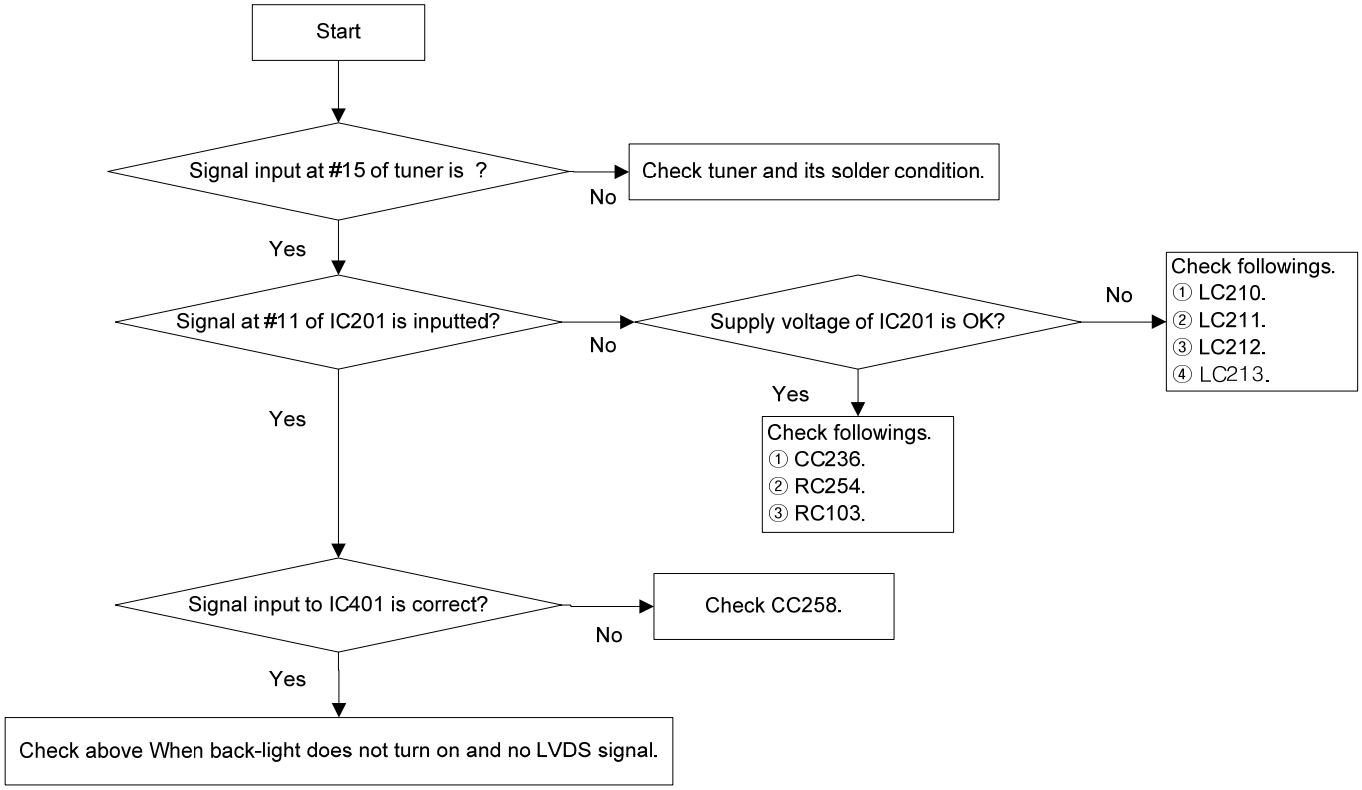
-. LC701 : Coil for rectifying LCD panel power.

-. Registers between scaler IC(IC401) and LVDS wafer

① Only signal path : RC723 ~ RC743.

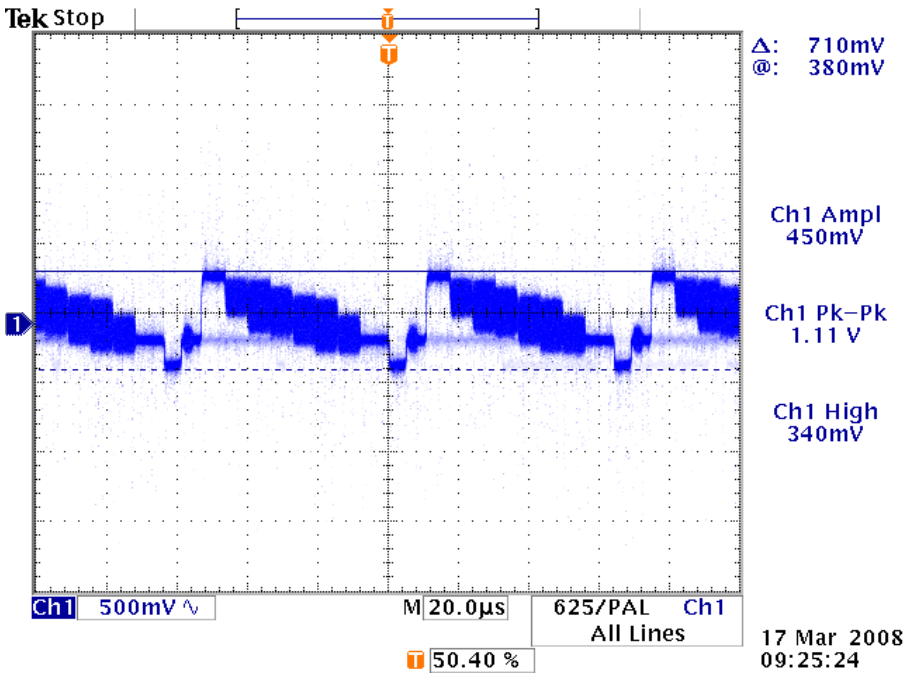
② Panel options. → see the page 49.

7-1-2) No Analog TV is displayed.

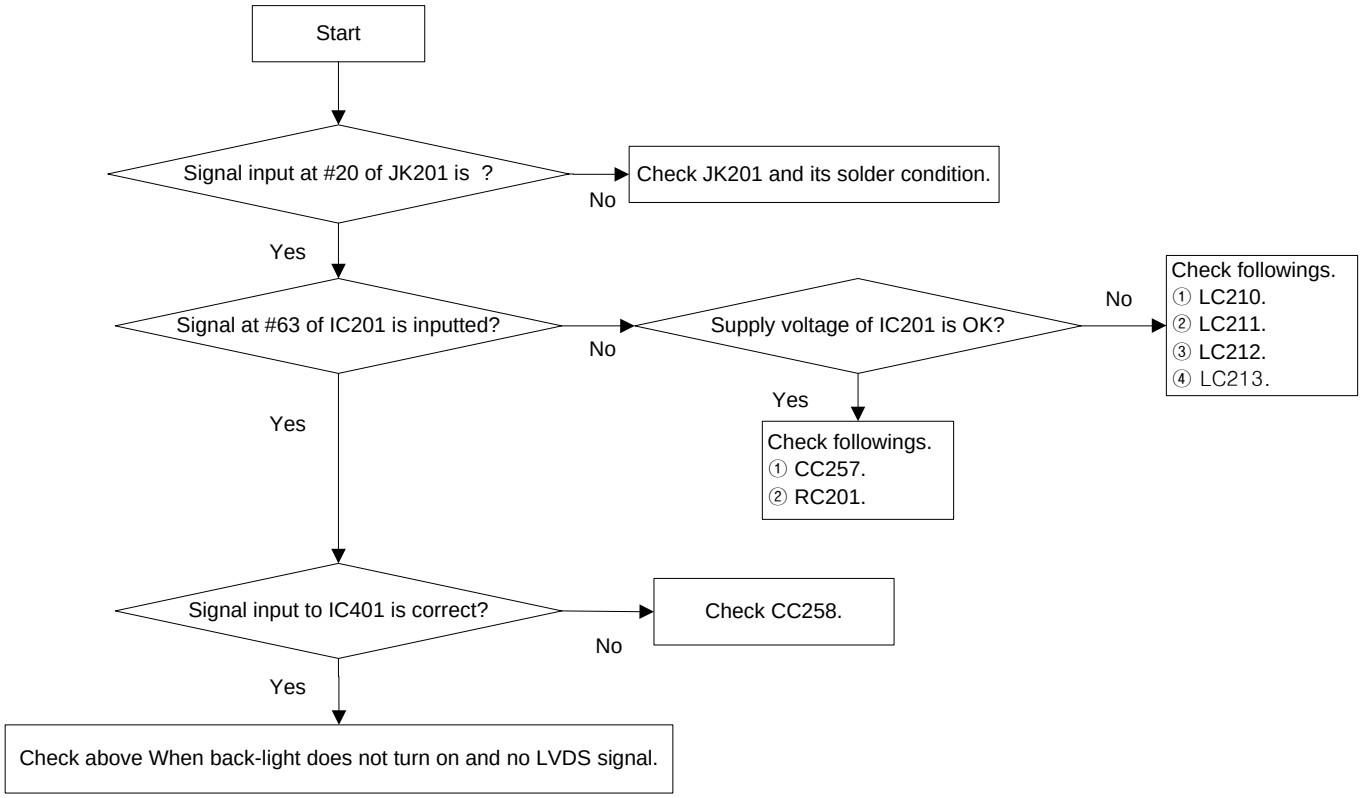


<Normal signal waveform>

→ Mode : Analog TV, Pattern : Color Bar.

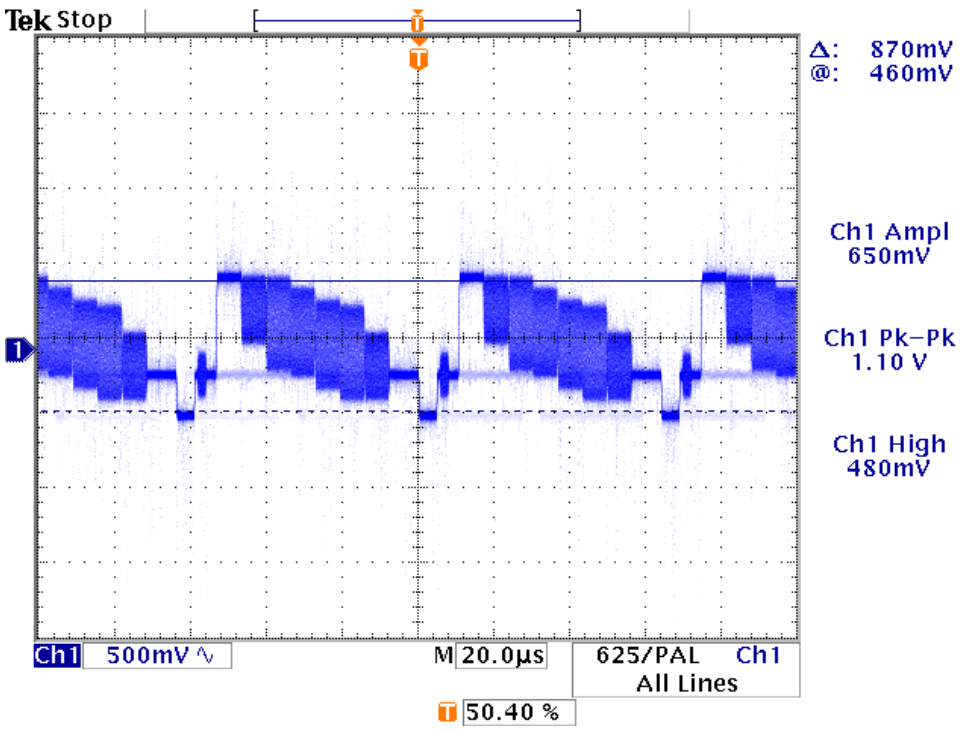


7-1-3) No picture in CVBS of AV1 mode.

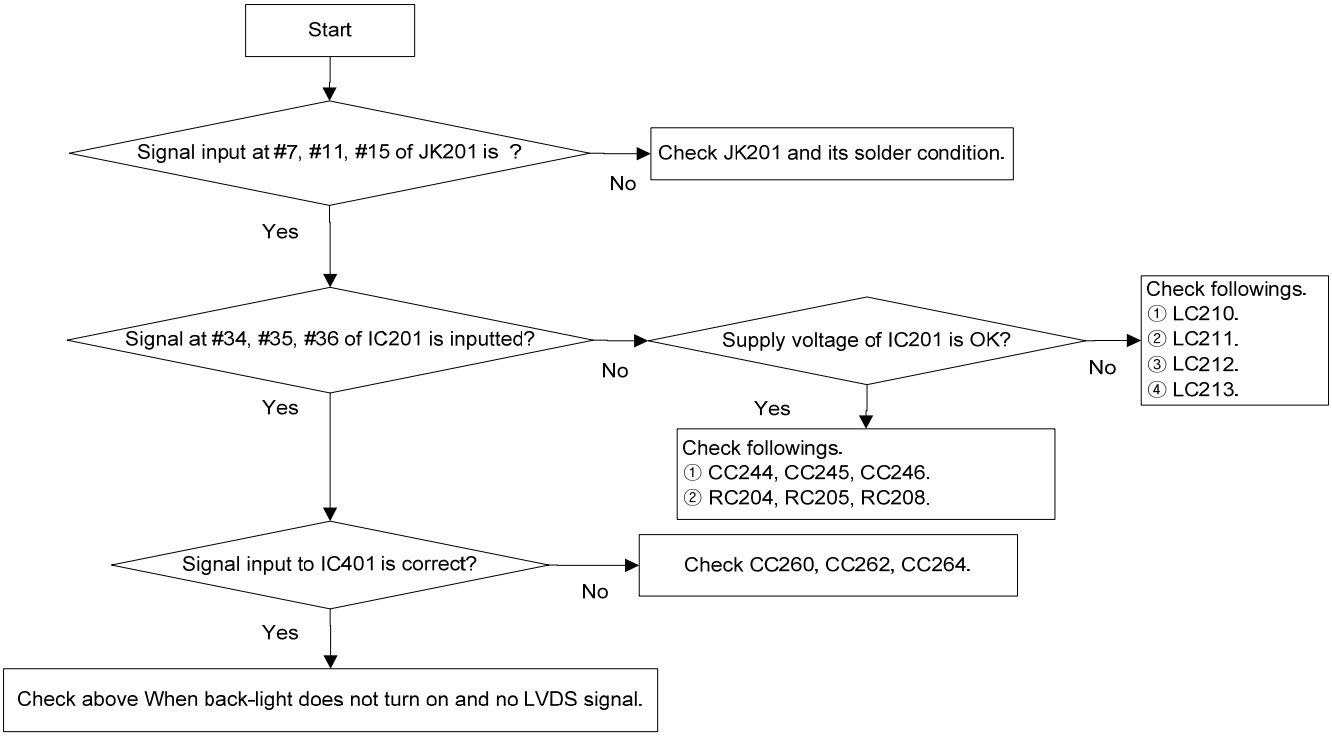


<Normal signal waveform>

→ Mode : AV1-CVBS, Pattern : COL_100/Fluke 54200.



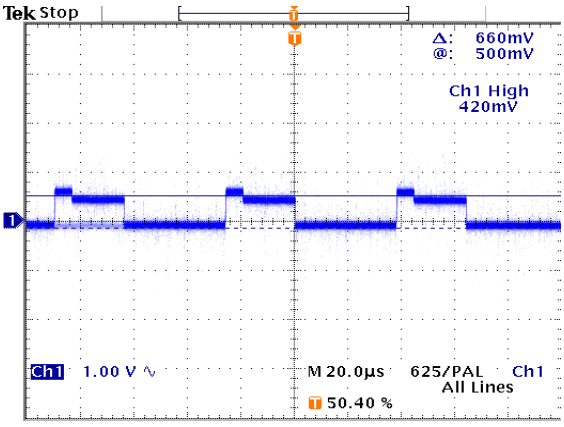
7-1-4) No picture in RGB of AV1 mode.



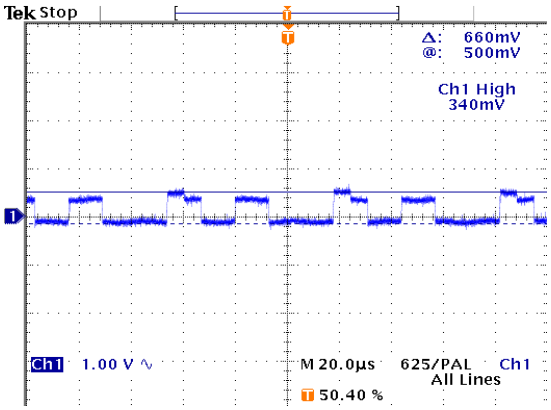
<Normal signal waveform>

→ Mode : AV1-RGB, Pattern : COL_100/Fluke 54200.

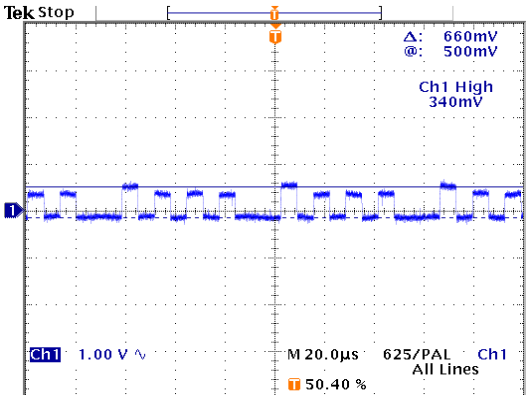
SCART1 R



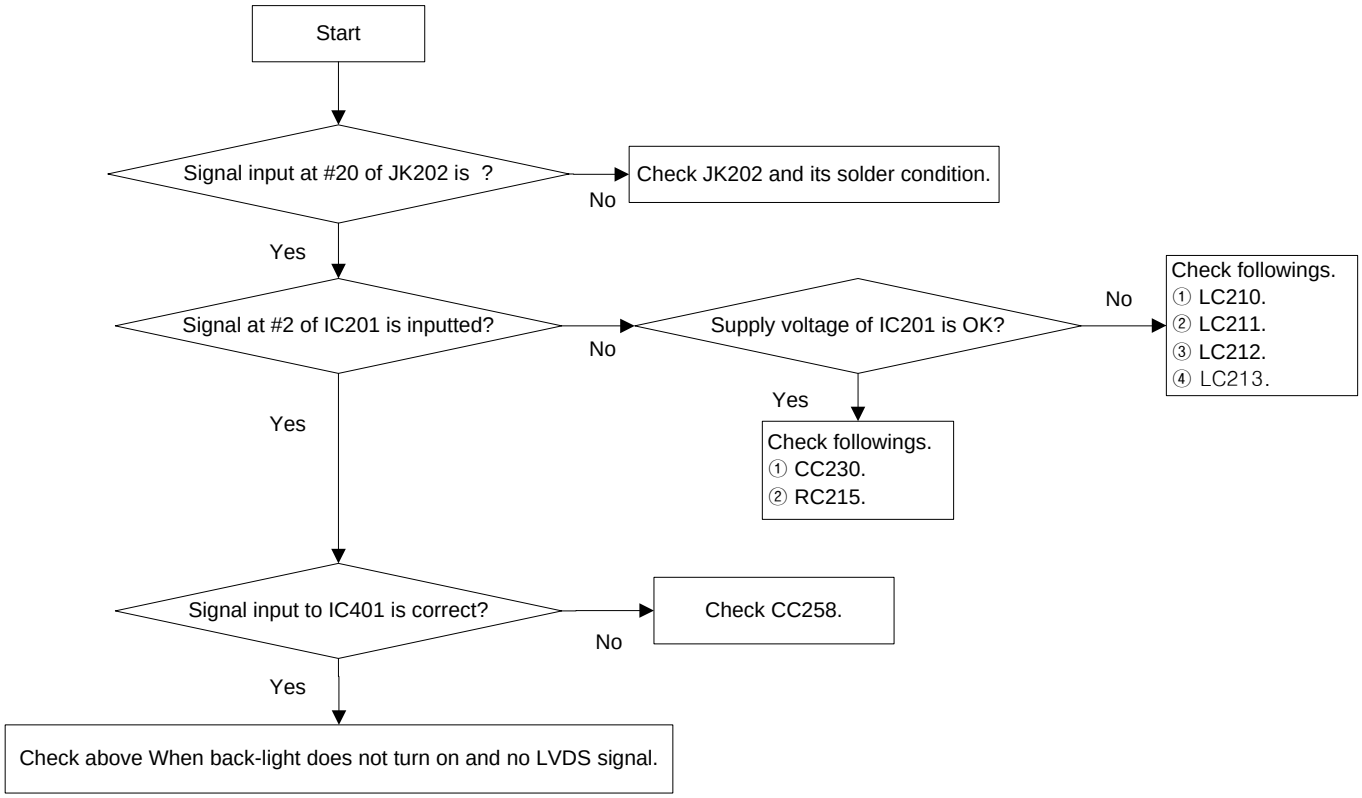
SCART1 G



SCART1 B

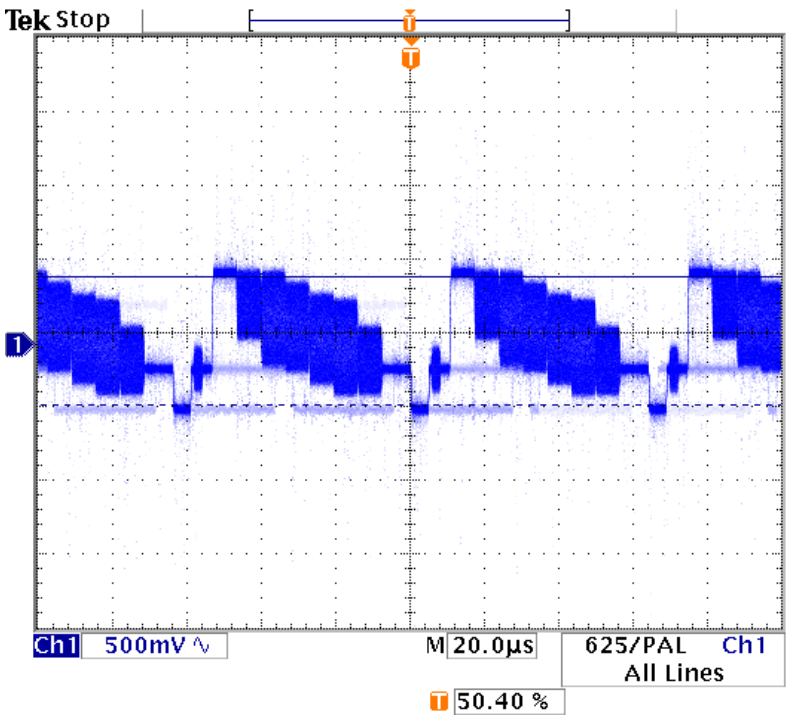


7-1-5) No picture in CVBS of AV2 mode.

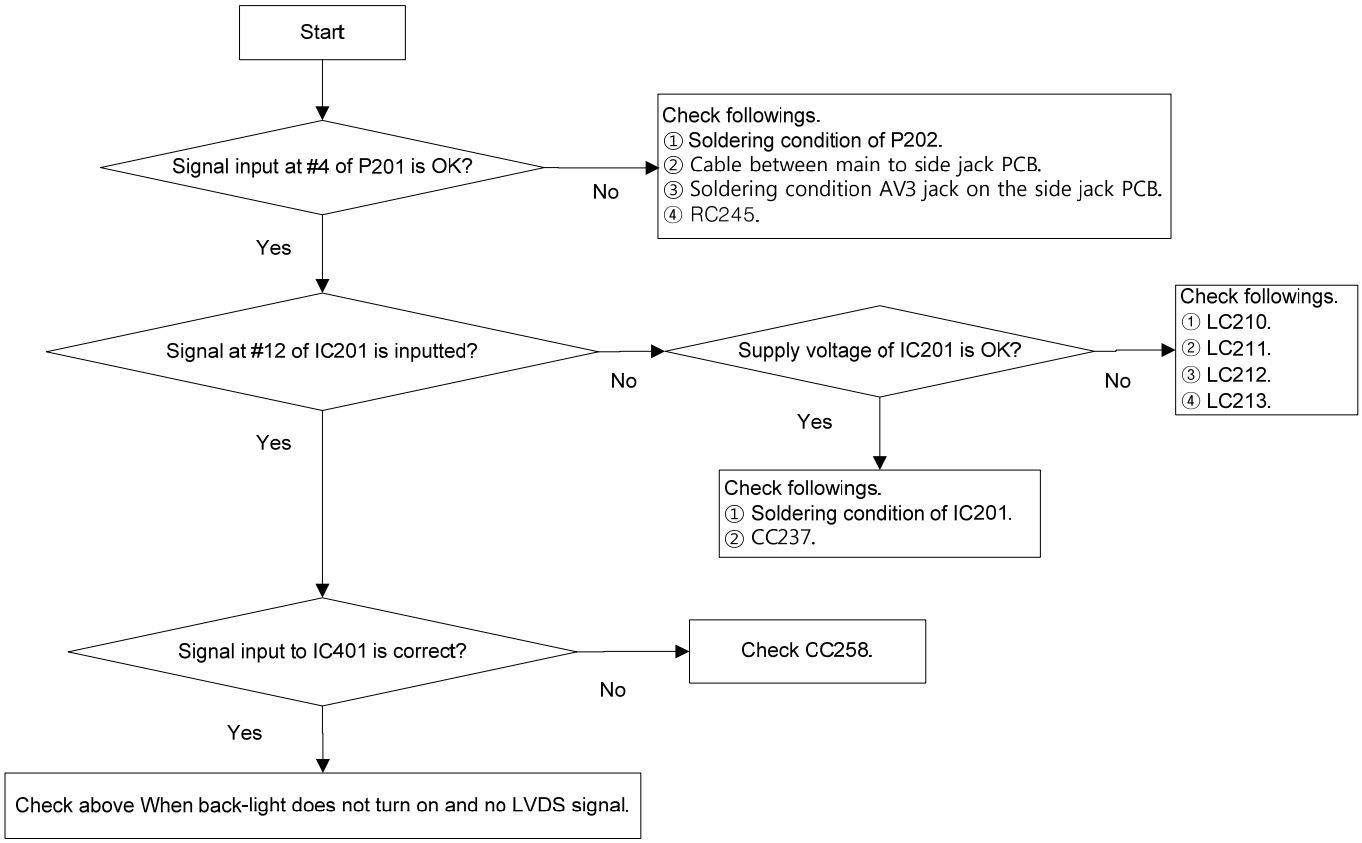


<Normal signal waveform>

→ Mode : AV2-CVBS, Pattern : COL_100/Fluke 54200.

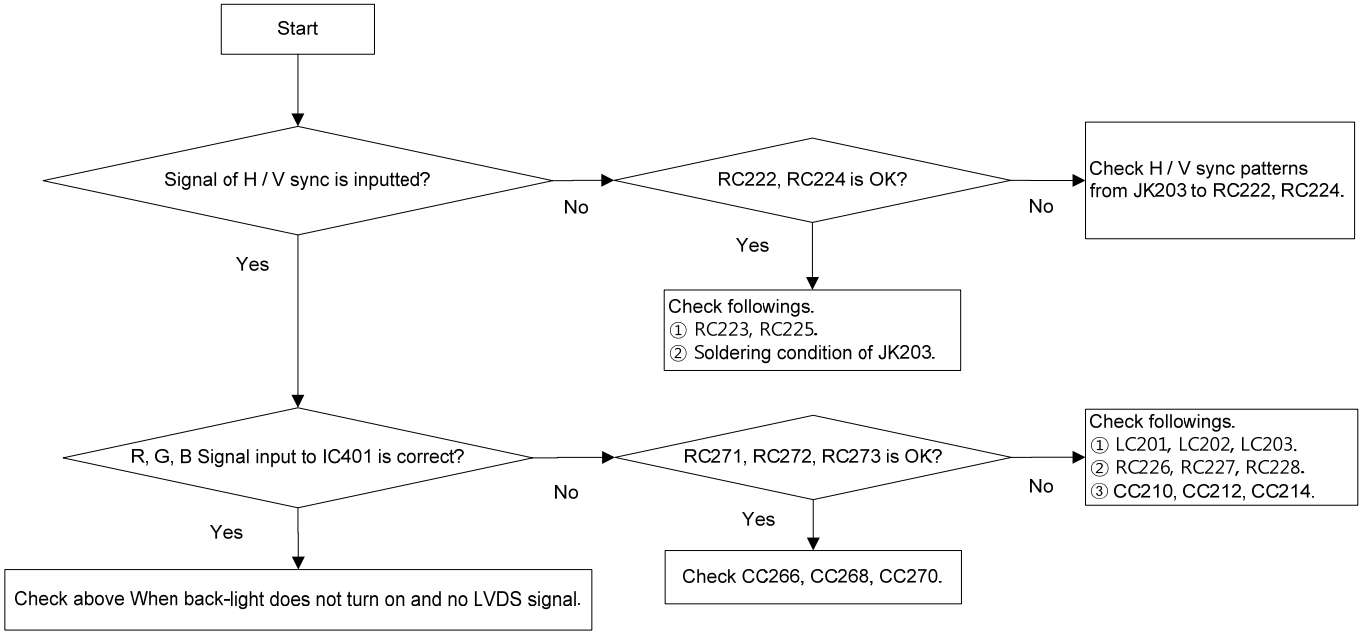


7-1-6) No picture in CVBS of AV3 mode.



Normal signal waveform is equal to CVBS of AV1 or AV2

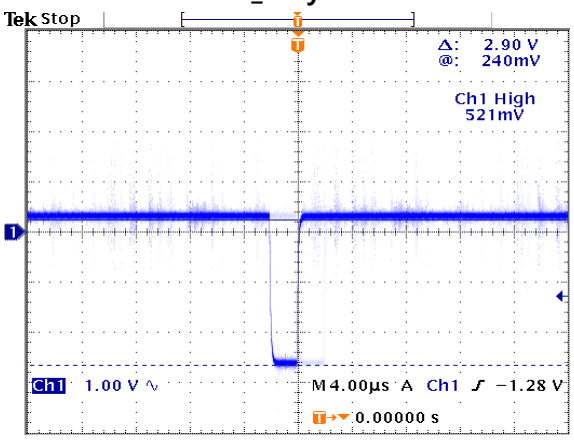
7-1-7) No picture in PC Mode.



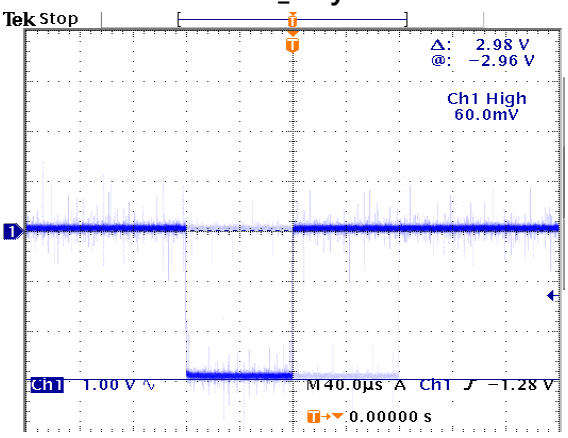
<Normal signal waveform>

→ Mode : PC, Pattern : Color Bar / Pattern Generator.

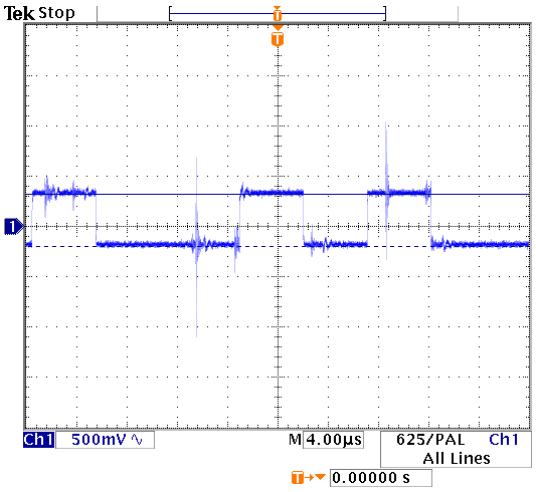
PC_H Sync



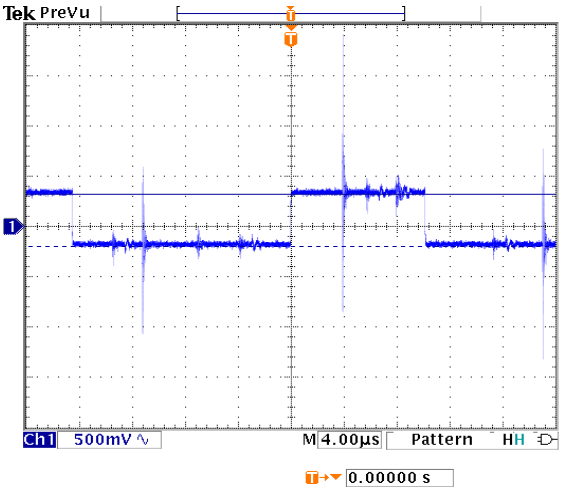
PC_V Sync



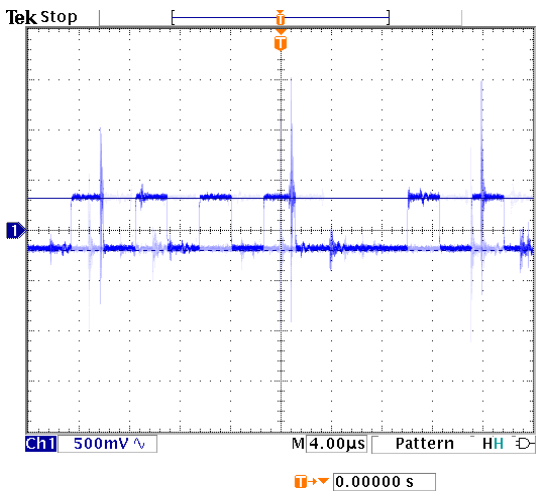
PC R



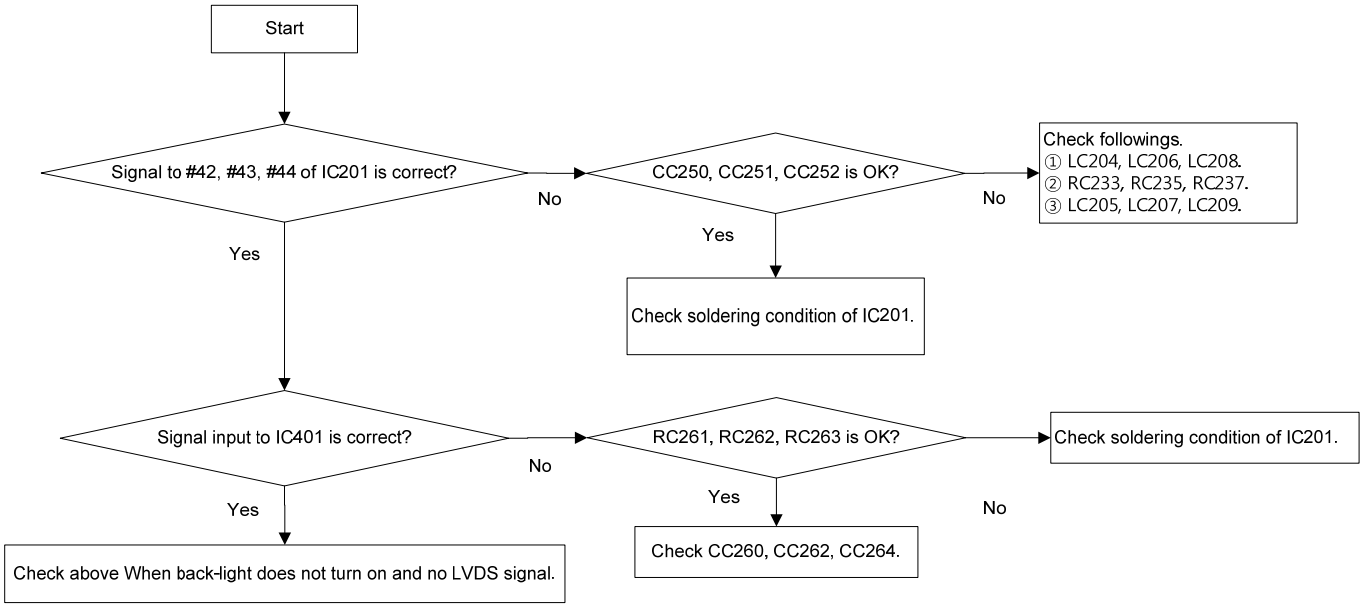
PC G



PC B



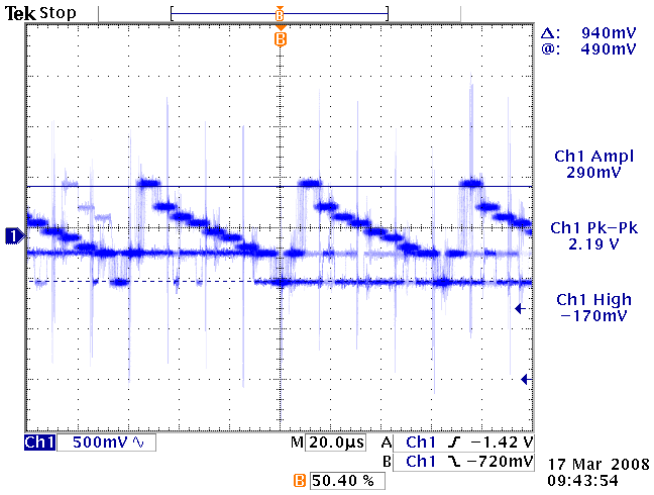
7-1-8) No picture in component mode.



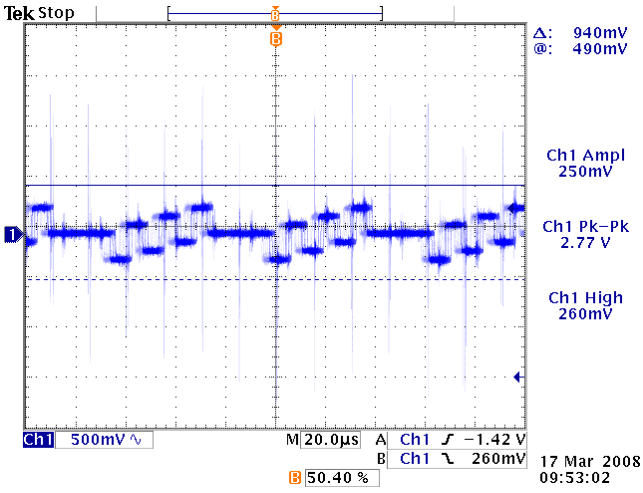
<Normal signal waveform>

→ Mode : Component, Pattern : Full White/Fluke 54200.

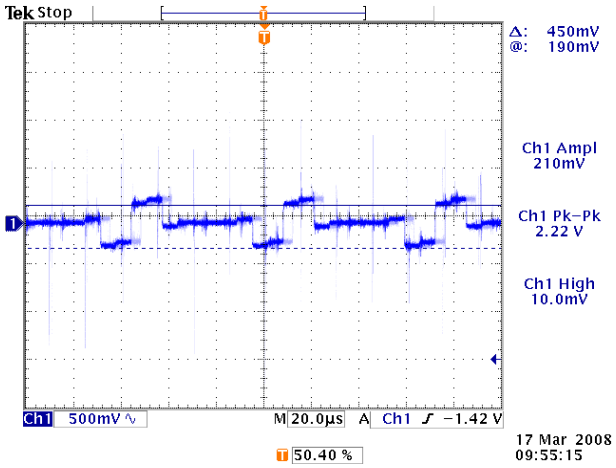
COMPONENT Y



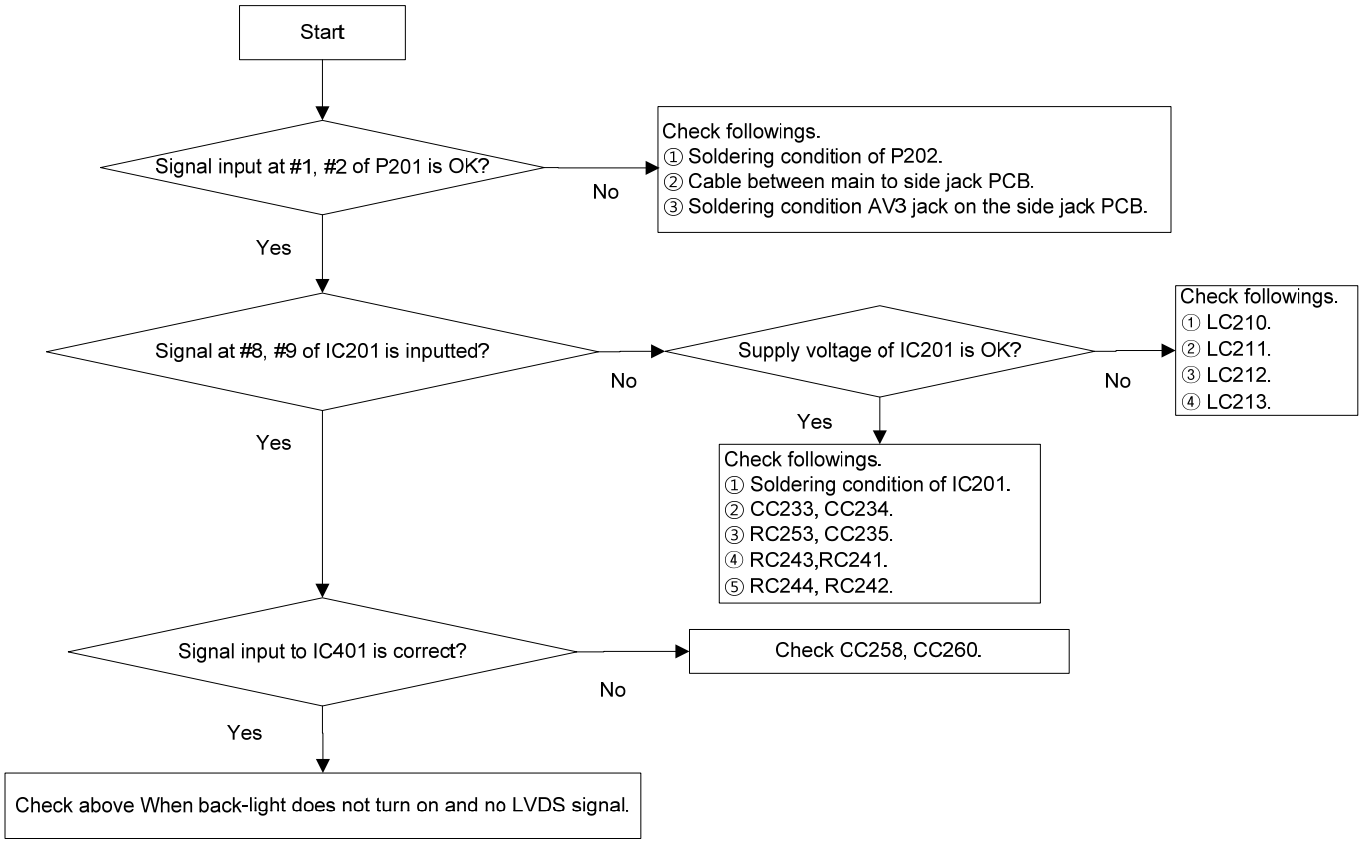
COMPONENT P_b



COMPONENT P_r



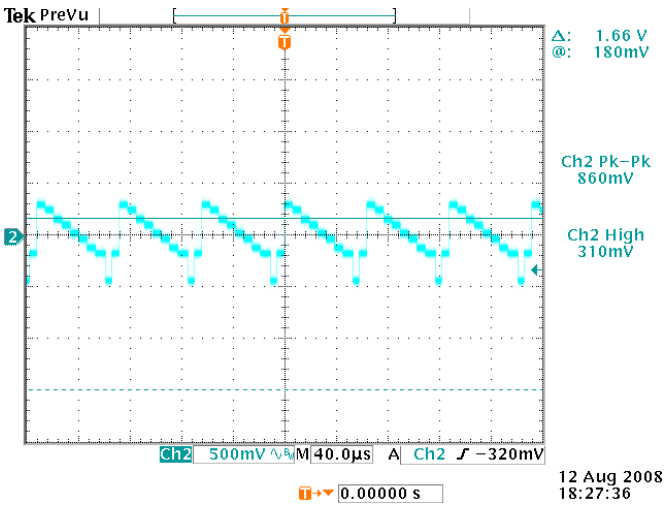
7-1-9) No picture in S-video mode.



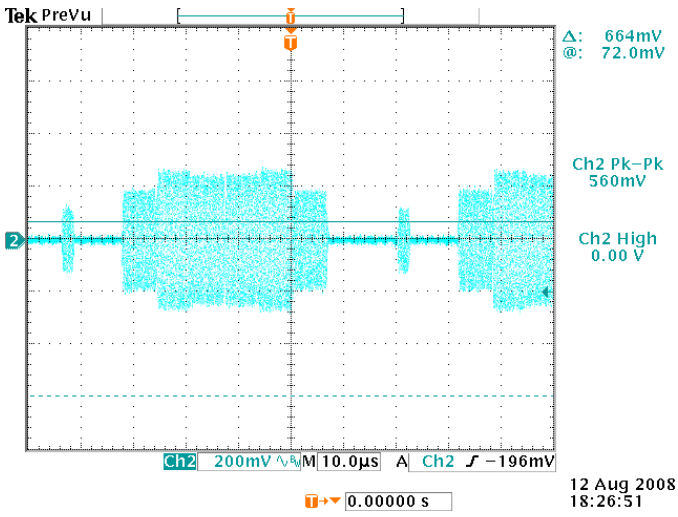
<Normal signal waveform>

→ Mode : S-Video, Pattern : Full White/Fluke 54200.

S-Video Y

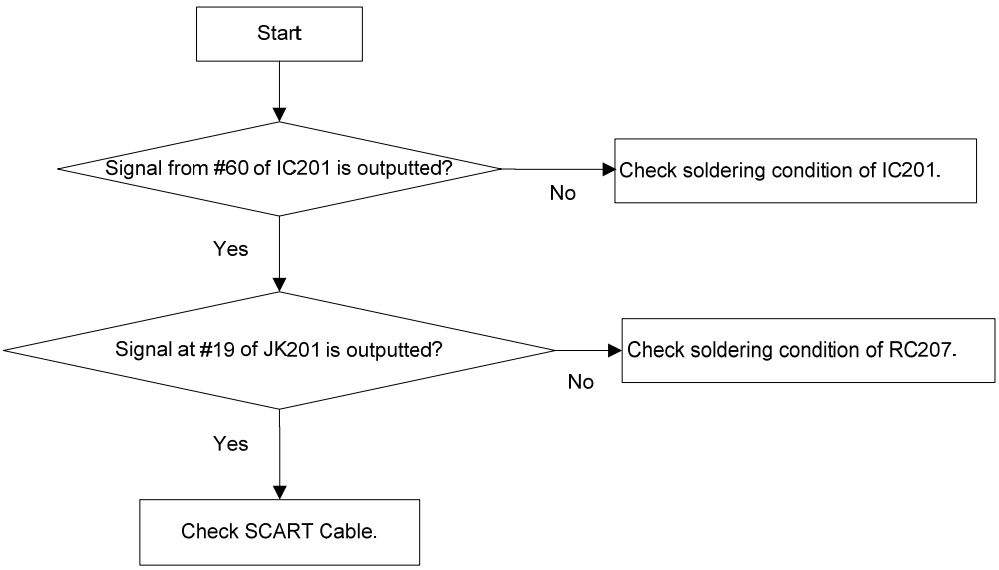


S-Video C



7-1-10) No picture at external TV connected with AV1(RF-Output).

: Video switching IC(IC201) using internal channel-switching outputs RF output signal from AV1 in this TV to external TV. So trouble shooting for RF output is very simple as a followings.



<Notes concerned with RF output>

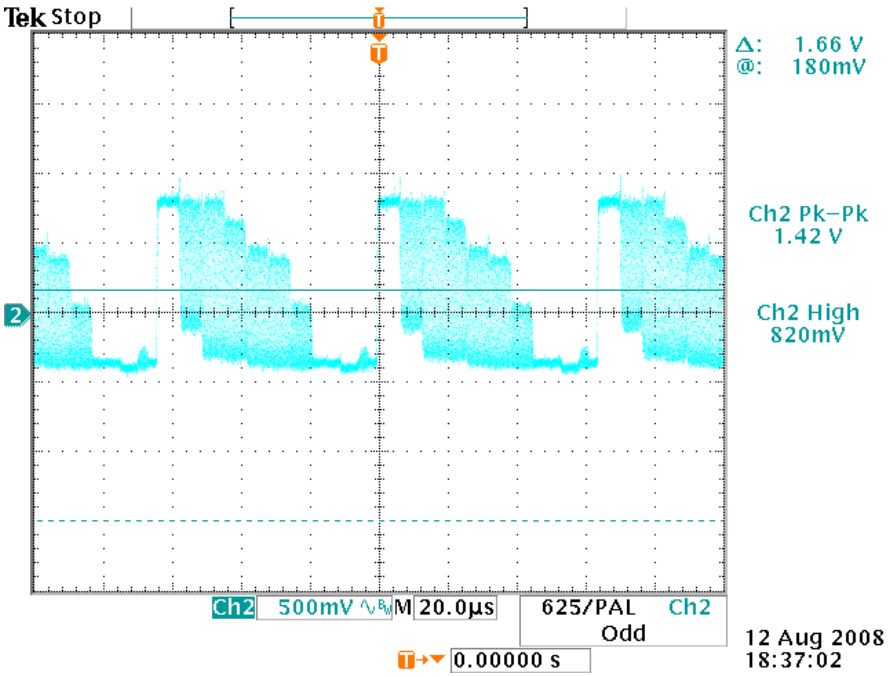
① During watching TV in the HDMI mode, No digital TV sound to external TV is outputted. Because each sound-port of HDMI and digital TV uses I^2S. If one mode of digital TV or HDMI is selected, the other mode's sound does not output to external TV using RF output/TV OUT.

② This TV does not support RF output of digital radio channel.

③ This TV does not support RF output of Media mode.

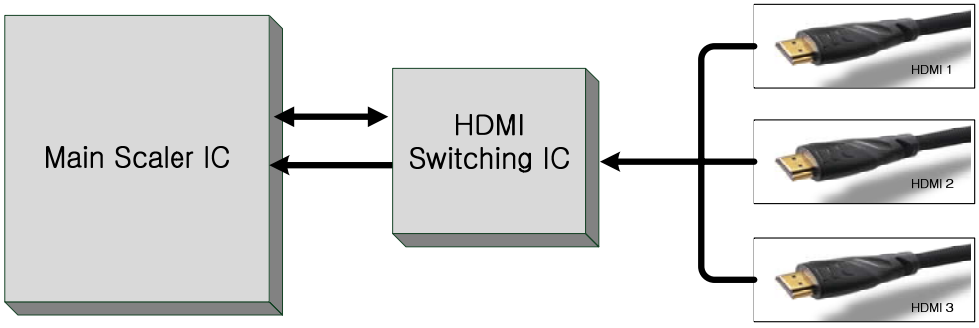
<Normal signal waveform>

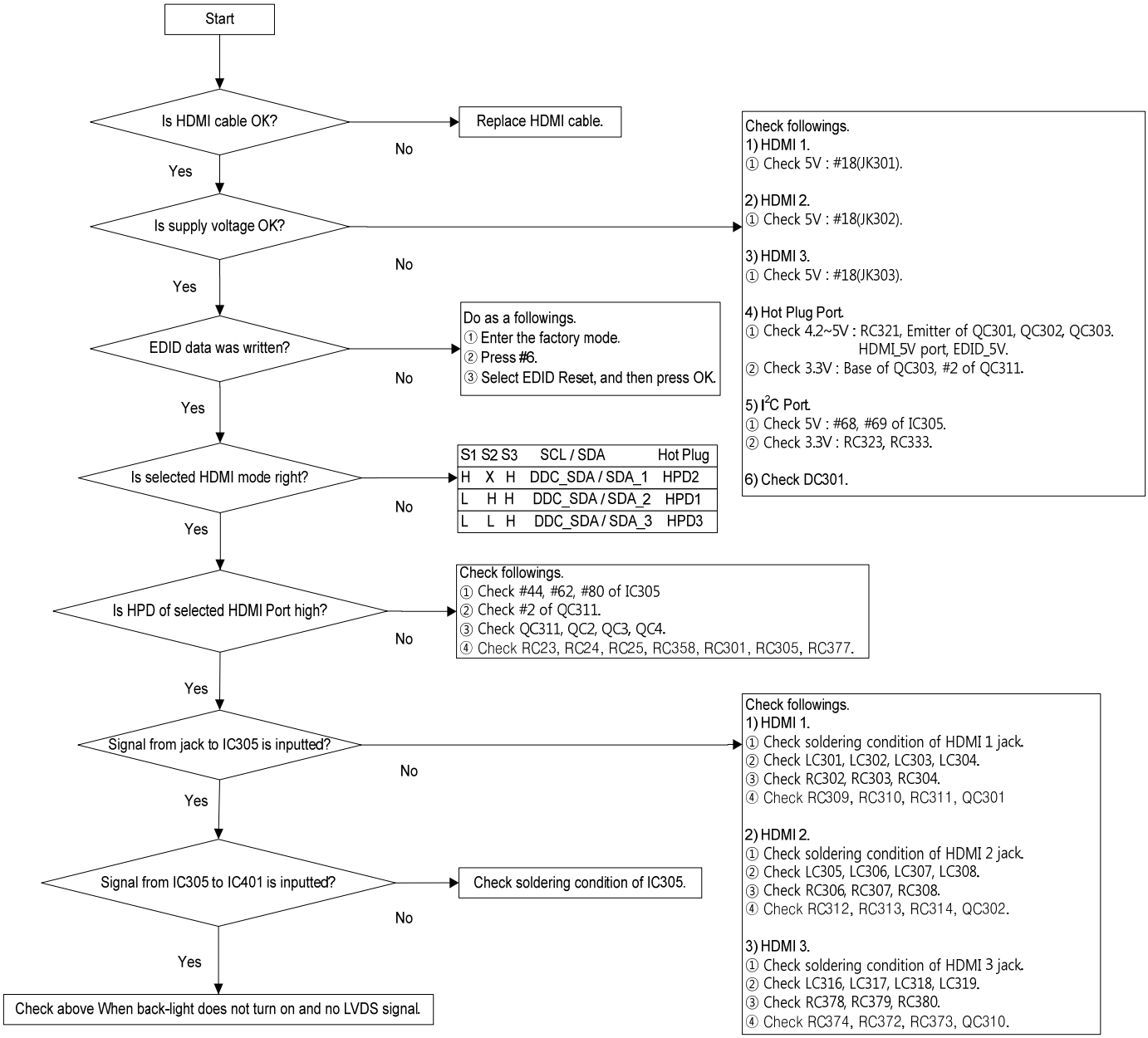
→ Mode : RF Output, Pattern : Color Bar / Analog TV



7-1-11) No picture/Sound in HDMI mode.

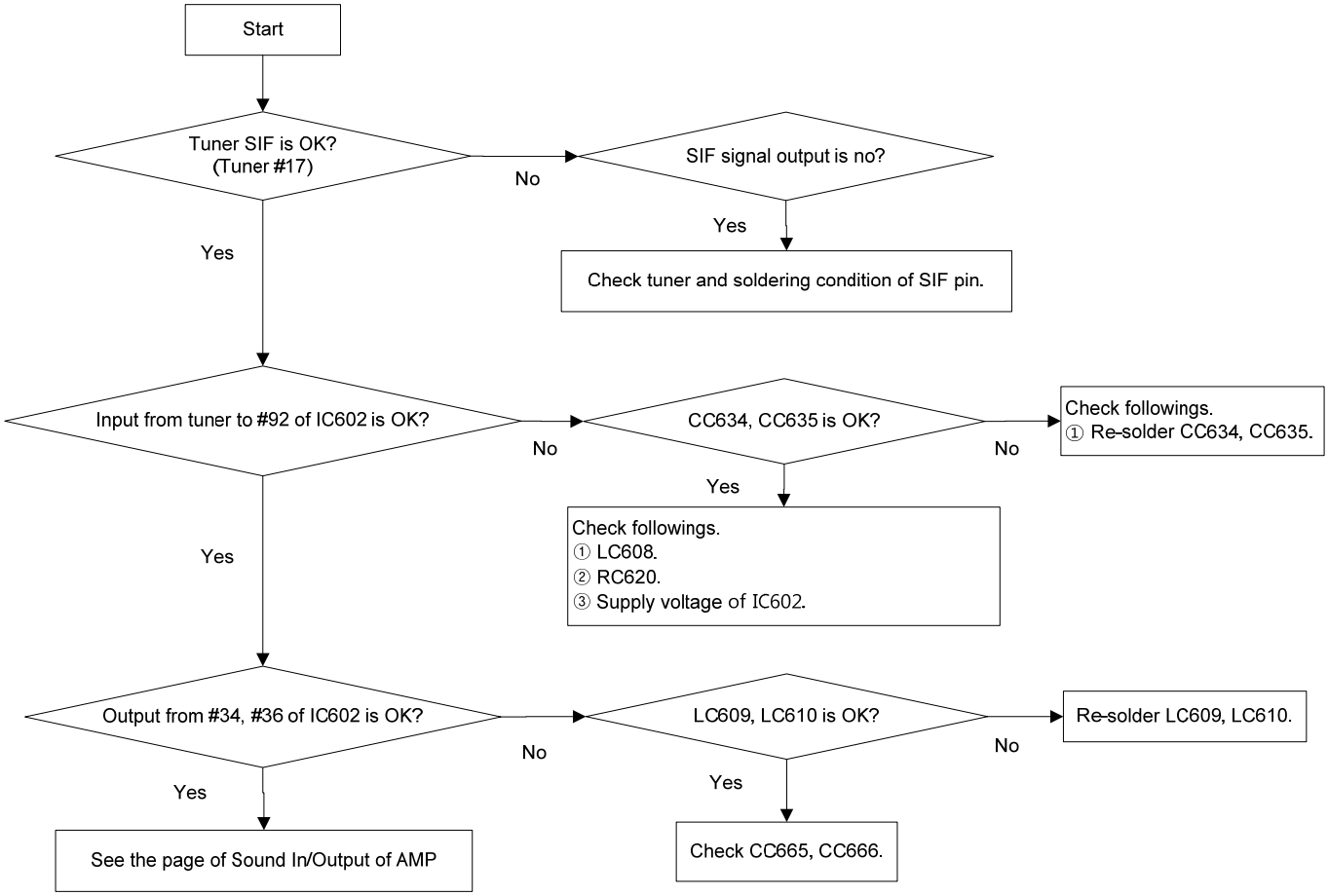
This TV has a high-performance 3-port-to-1-port HDMI active switch. A current one-port HDMI Sink system could be easily upgraded to three-port by adding a switch, as a following. Source selection is done by controlling the pins S1, S2 and S3. The selected HDMI input port is activated and the associated signals are routed to the output port.





7-2) When no sound output from internal speaker.

7-2-1) No sound of analog TV mode.



1) A. Check soldering condition of SIF pin.

: If power and solder-condition of tuner are no problem, signal of tuner should be outputted at a channel. Check soldering condition of SIF pin.

2) Check followings.

① Re-solder CC634, CC635 : Capacitors for decoupling and noise reduction.

3) Check followings.

① LC608 : Coil for noise reduction

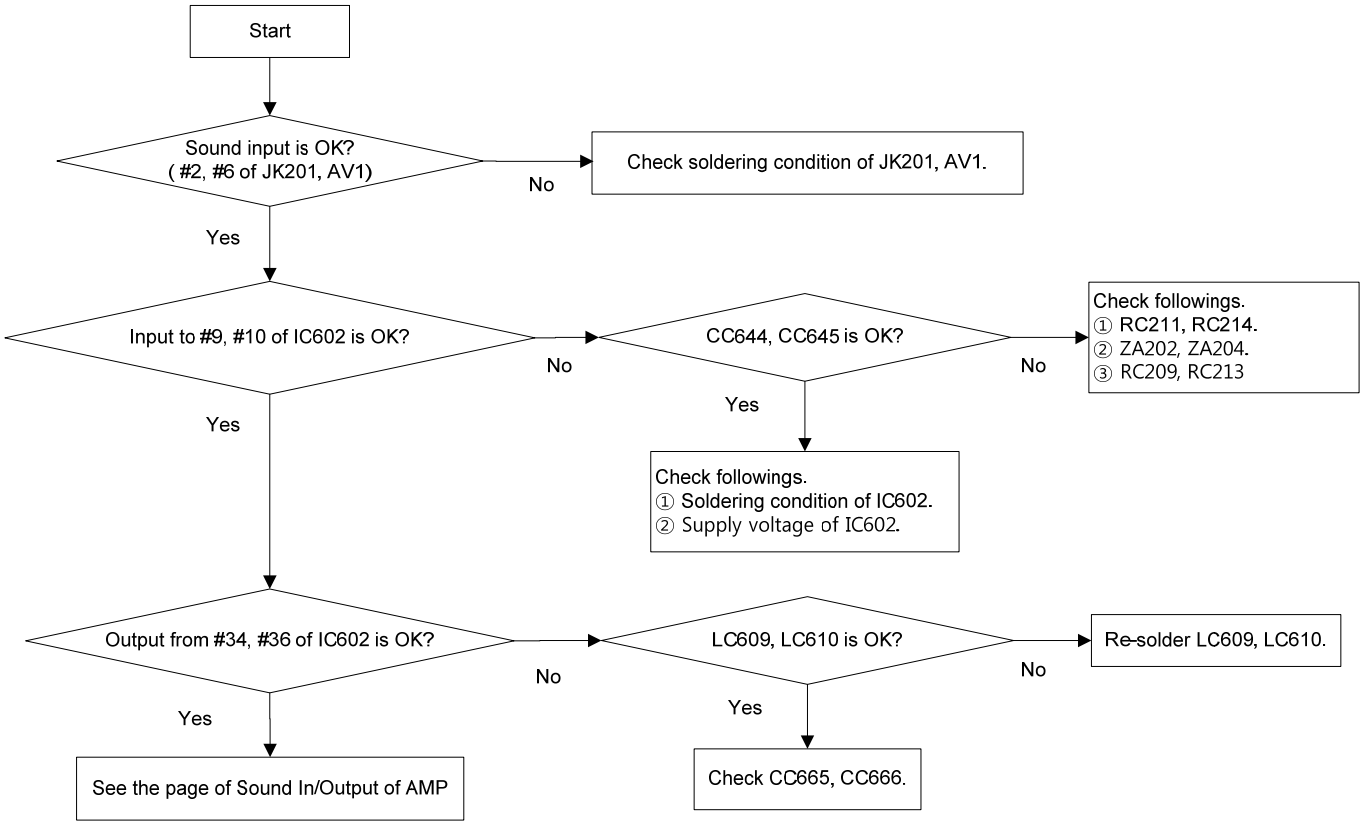
② RC620 : Register for divide

③ Supply voltage of IC602 : Check LC611, LC612 for 1.8V, LC613, LC614 for 3.3V, LC615 for 8V .

4) Re-solder LC609, LC610 : Coil for noise reduction

5) Check CC665, CC666 : Capacitors for noise reduction.

7-2-2) No sound of AV1 mode.



1) Check soldering condition of JK201, AV1.

2) Check followings.

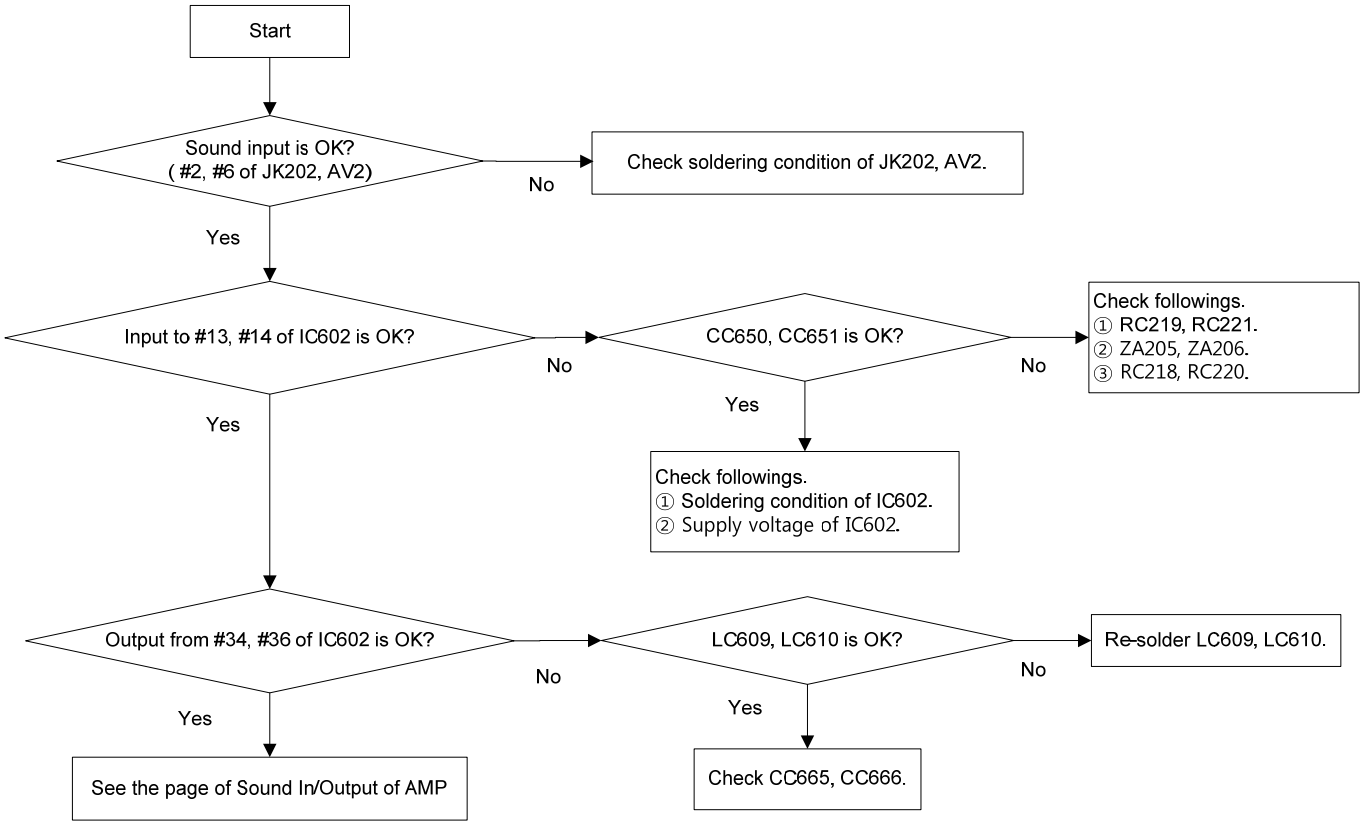
① RC211, RC214 : Registers are located between JK201 and CC644, CC645.

② ZA202, ZA204 : ESD protectors are located between resisters above '① RC211, RC214' and CC644, CC645.

③ RC209, RC213 : Registers for dividing.

3) The rests is the same as above 1) No sound of analog TV mode.

7-2-3) No sound of AV2 mode.



1) Check soldering condition of JK202, AV2.

2) Check followings.

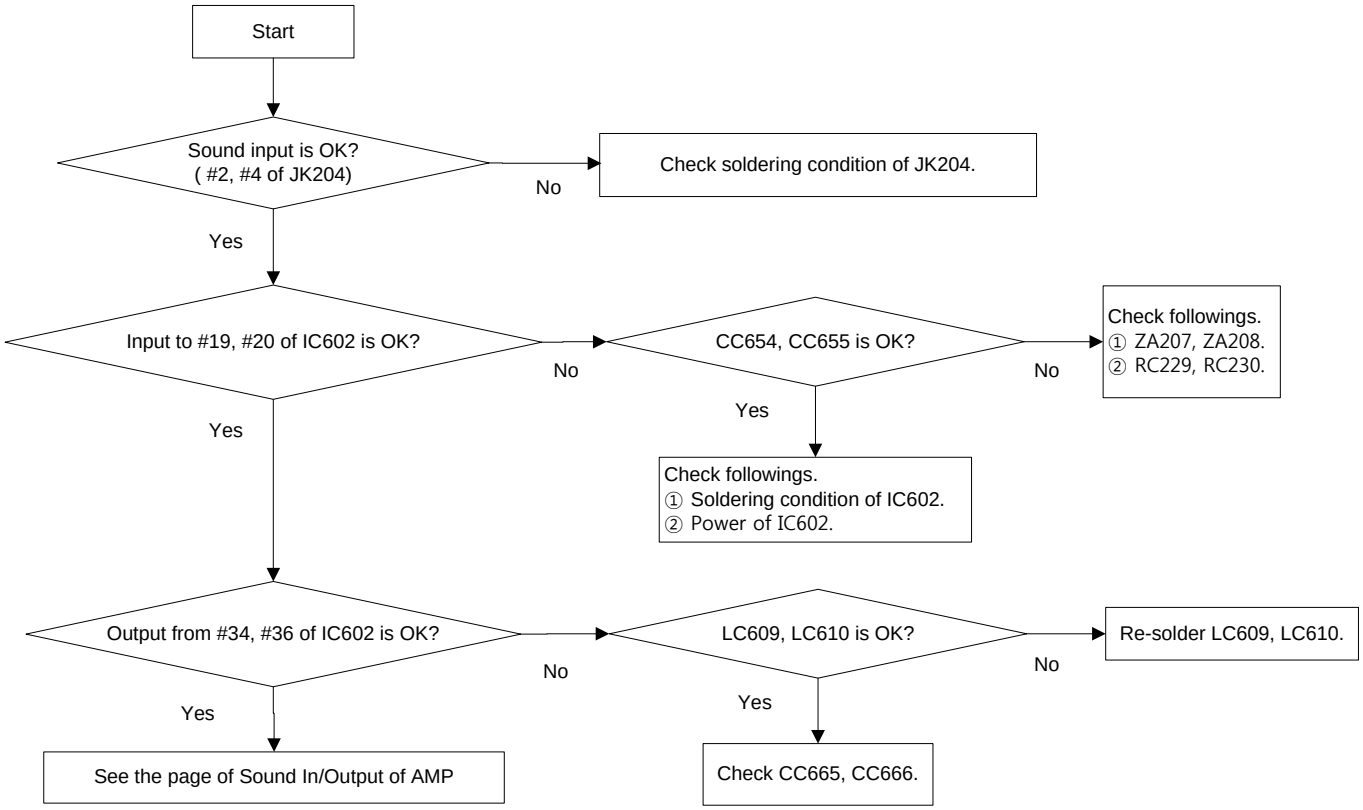
① RC219, RC221 : Registers are located between JK201 and CC644, CC645.

② ZA205, ZA206 : ESD protectors are located between resisters above '① RC219, RC221' and CC644, CC645.

③ RC218, RC220 : Registers for dividing.

3) The rest is the same as above 1) No sound of analog TV mode.

7-2-4) No sound of PC/DVI Sound mode.



1) Check soldering condition of JK204.

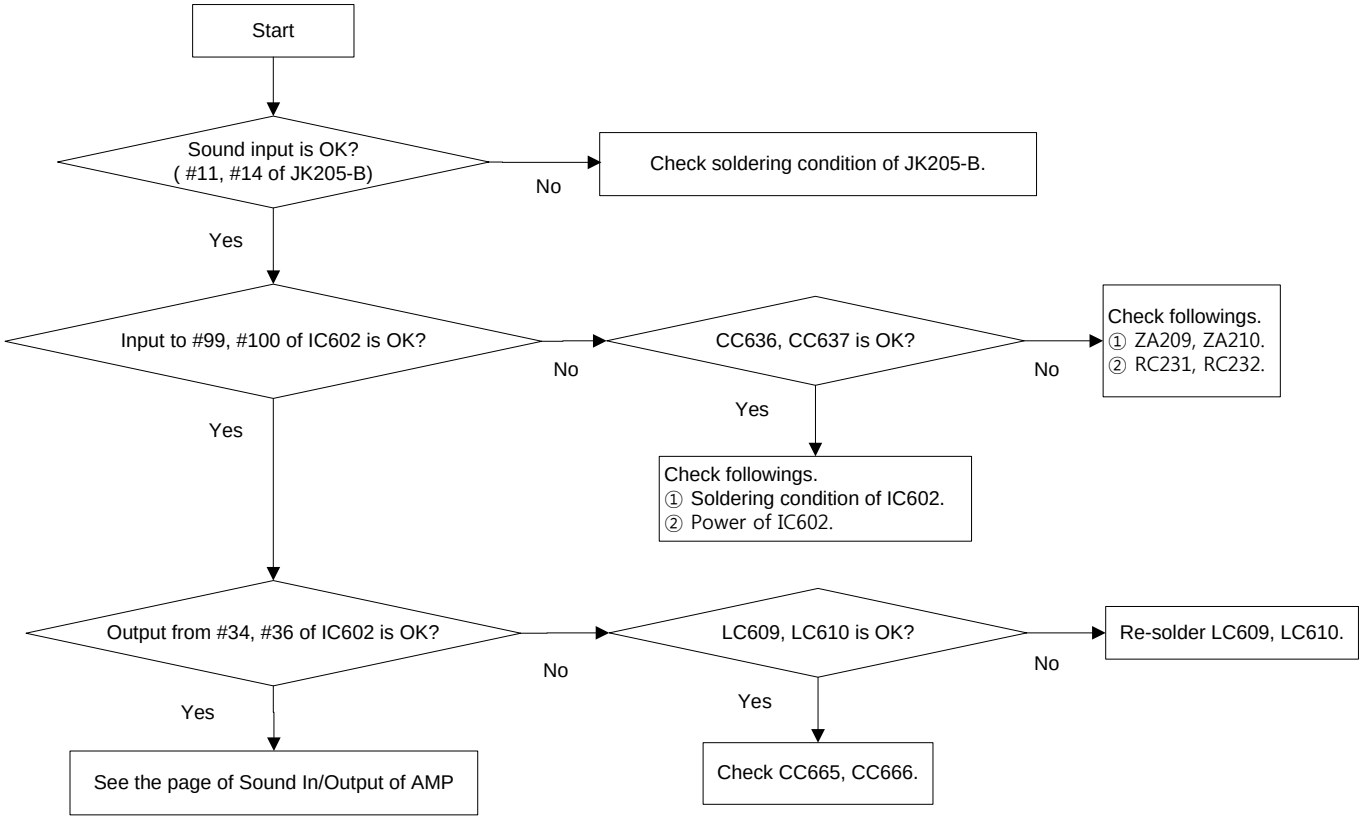
2) Check followings.

① ZA205, ZA206 : ESD protectors are located from JK204 to each of CC644, CC645.

② RC218, RC220 : Registers for dividing.

3) The rest is the same as above 1) No sound of analog TV mode.

7-2-5) No sound of Component Sound mode.



1) Check soldering condition of JK205-B.

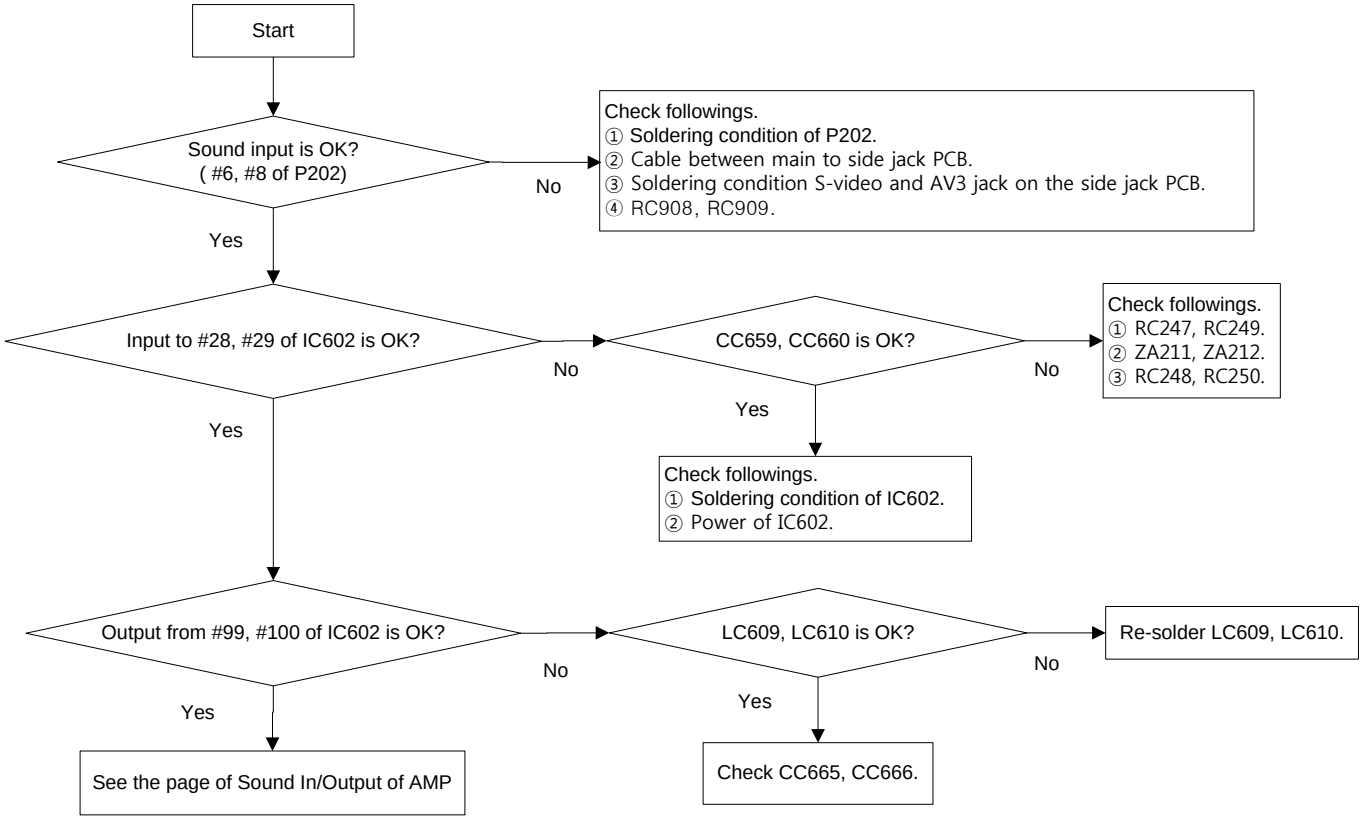
2) Check followings.

① ZA209, ZA210 : ESD protectors are located from JK204 to each of CC644, CC645.

② RC231, RC232 : Registers for dividing.

3) The rest is the same as above 1) No sound of analog TV mode.

7-2-6) No sound of AV3/S-Video Sound mode.



1) Check followings.

① Soldering condition of P202. : Connector wafer for connecting side jack PCB(Union).

② Cable between main to side jack PCB.

③ Soldering condition S-video and AV3 jack on the side jack PCB.

④ RC908, RC909.

2) Check followings.

① RC247, RC249.

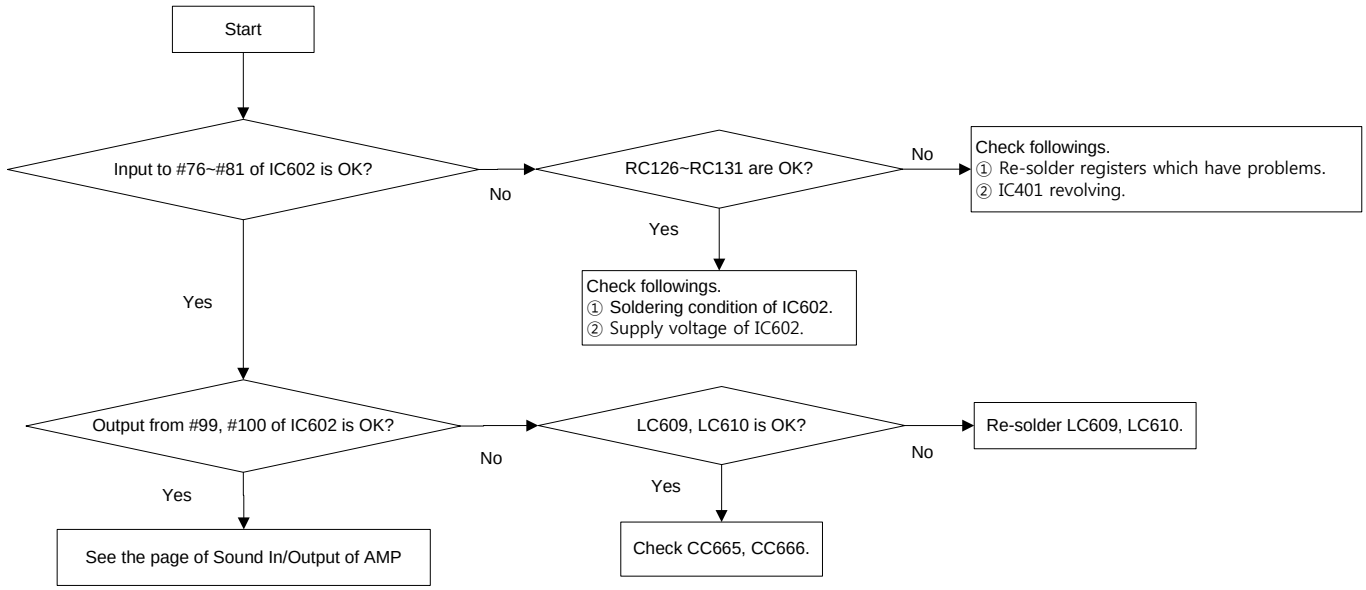
② ZA211, ZA212. : ESD protectors are located from JK204 to each of CC644, CC645.

③ RC248, RC250. : Registers for dividing.

3) The rest is the same as above 1) No sound of analog TV mode.

7-2-7) No sound of Digital TV/HDMI mode.

: The sound of Digital TV and HDMI mode use I^2S. I2S ports are consisting of Data, Clock lines.



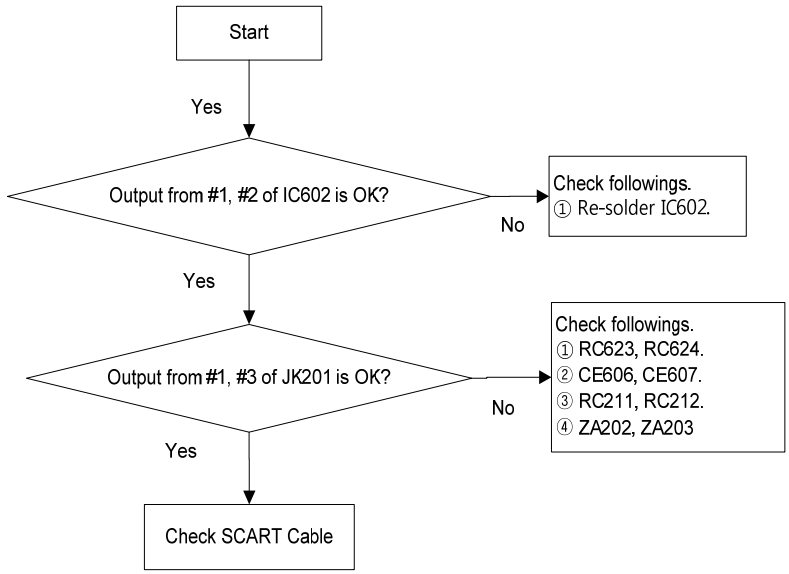
1) Check followings.

① Re-solder registers which has a problem. : Data, Clock lines.

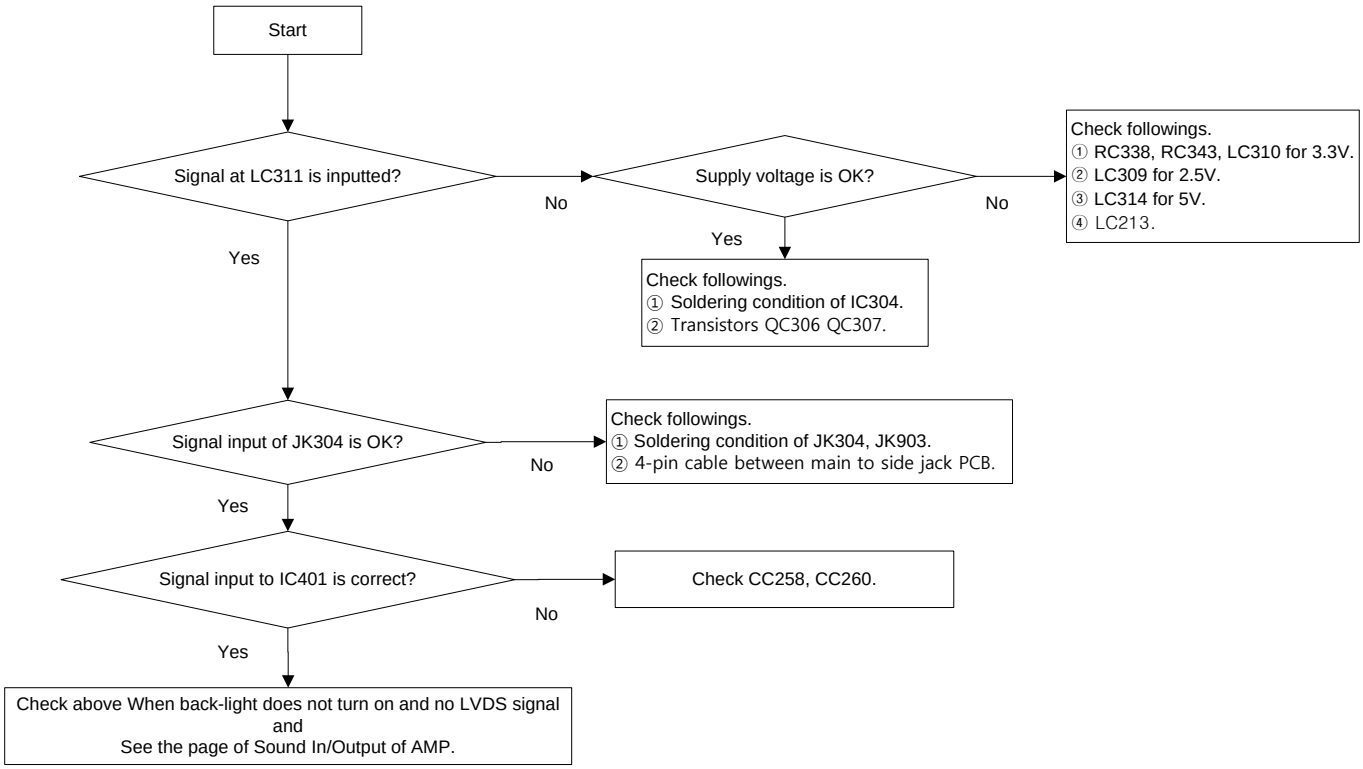
② IC401 revolving. : If soldering condition of registers is OK, no signal from IC401 is outputted.

2) The rest is the same as above 1) No sound of analog TV mode.

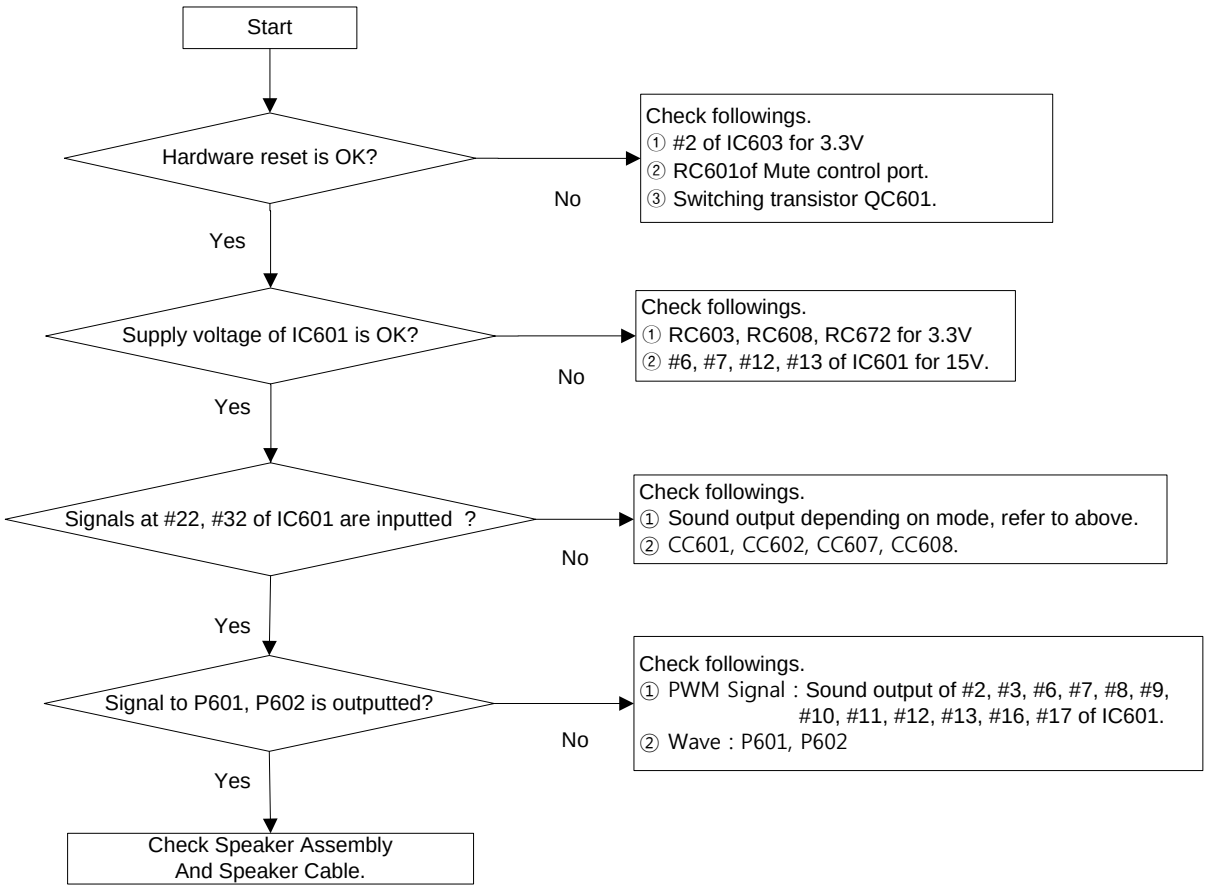
7-2-8) No sound at external TV connected with AV1(RF-Output).



7-2-9) No Picture or No Sound In the Media(USB) Mode.



7-2-10) Sound In/Output of AMP.



7-3. When supply voltage of SMPS is not good.

7-3-1) 32, 37 inch Model (FEL-3237VN).

1 . Stand-by 5V is working out.		
A. Can you check In-put voltage(DC390V) of the capacitor(Location No. :C9)?		
YES	**A. Can you check that Vcc voltage of IC1 was supplied from DC13V to DC16V?**	
	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 IC1(CM6807).
		(Location No. :Q5,R7,CQ1,CQ2,CQ3,CQ4,CQ9,Q1,CD2,CD3,IC4,R4,D2)
		1.3. Checking open and short of IC1's each pins.
		1.4. Checking open and short of 5V's Out-put diode.
NO		1.5. Can you check the Fuse(F1) condition(open and short)?
		YES : Checking 1.2 item after changing FUSE. **NO** : Checking 1.6 item
		1.6. Checking open and short of BD1.
		YES: Changing BD1.
		NO: Checking open and short of Z1,LF1,LF2 ,C1,C2 ,R1
2. MAIN Out-put voltage is working out but Stand-by 5V is working.		
A. Is Power On signal(1V) supplied to Base of CQ6?		
YES	**B. Can you check the CQ6's condition(open and short)?**	
	NO	2.1. Can you check the CQ5's condition(open and short)?
		YES: Changing CQ5. **NO**: Checking 2.2 item.
		2.2. Can you check the IC4's condition(open and short)?
		YES: Changing IC4. **NO**: Checking 2.3 item.
		2.3. Can check the voltage(DC 390V) of AC rectifying side C9?
		YES: Checking 2.5 item.
		NO: Checking 1.2 item.
	YES	2.4. changing CQ6.
	C. Can you check that Vcc voltage of IC2's No.15pin was supplied from DC12V to DC16V?	
	NO	2.5. Can you see the square wave(400mV, 50kH) of CQ16's GATE(A,B) side when DC 18V
		was supplied to D4's No.(-)pin from DC POWER SUPPLY?
		(CAUTION : Test do it after AC Power Off)
		YES: Checking 2.1 item after checking diode's condition(open and short) of Main
		Out-put side. (Location No. :D6,D7,D9)
		NO: Checking open and short of the around parts that was connected IC2.
		(Location No. :CQ15,CQ16,CQ11,CQ12,CQ13,CQ14,CD4,CD5,CD6,Q4,Q3,IC2)
	YES	2.6. Checking open and short of MAIN BORD.
NO		2.7. Checking open and short of MAIN BORD.
3. 5V's Out-put voltage is measured too high or low.		
A. Checking open and short of IC5.		
B. Checking open and short of CR30,CR31.		
C. Checking open and short of IC3.		
4. 5V's Out-put voltage is work with intermittent mode.		
A. Is R7's condition good from open and short?		
YES: changing R7. **NO**: Checking 1.3 and 1.4 items.		
(Checking open and short of MAIN BORD if that 1,3 and 1.4 items are no problem.)		
5. Out-put voltage(DC12V,15V,24V) is measured too high.		
A. Checking open and short of CR38,CR39,CR40,CR41,CR42.		
B. Checking open and short of IC2		
6. Out-put voltage(DC12V,15V, 24V) is measured too low.		
A. Checking open and short of CR38,CR39,CR40,CR41,CR42.		
B. Checking open and short of IC2		

7-3-2) 42 inch Models (FEL-4247VN).

1 . Stand-by 5V is working out.		
A. Can you check In-put voltage(DC390V) of the capacitor(Location No. :C9)?		
YES	**A. Can you check that Vcc voltage of IC1 was supplied from DC13V to DC16V?**	
	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 IC1(CM6807).
		(Location No. :Q5,R7,CQ1,CQ2,CQ3,CQ4,CQ9,Q1,CD2,CD3,IC4,R4,D2)
		1.3. Checking open and short of IC1's each pins.
		1.4. Checking open and short of 5V's Out-put diode.
NO		1.5. Can you check the Fuse(F1) condition(open and short)?
		YES : Checking 1.2 item after changing FUSE. **NO**:Checking 1.6 item
		1.6. Checking open and short of BD1.
		YES: Changing BD1.
		NO: Checking open and short of Z1,LF1,LF2 ,C1,C2,R1
2. MAIN Out-put voltage is working out but Stand-by 5V is working.		
A. Is Power On signal(1V) supplied to Base of CQ6?		
YES	**B. Can you check the CQ6's condition(open and short)?**	
	NO	2.1. Can you check the CQ5's condition(open and short)?
		YES: Changing CQ5. **NO**: Checking 2.2 item.
		2.2. Can you check the IC4's condition(open and short)?
		YES: Changing IC4. **NO**: Checking 2.3 item.
		2.3. Can check the voltage(DC 390V) of AC rectifying side C9?
		YES: Checking 2.5 item.
		NO: Checking 1.2 item.
	YES	2.4. changing CQ6.
	C. Can you check that Vcc voltage of IC2's No.15pin was supplied from DC12V to DC16V?	
	NO	2.5. Can you see the square wave(400mV, 50kH) of CQ16's GATE(A,B) side when DC 18V
		was supplied to D4's No.(-)pin from DC POWER SUPPLY?
		(CAUTION : Test do it after AC Power Off)
		YES: Checking 2.1 item after checking FET's condition(open and short) of Main
		Out-put side. (Location No. :Q6,CQ16,CQ17)
		NO: Checking open and short of the around parts that was connected IC2.
		(Location No. :CQ15,CQ16,CQ17,CQ11,CQ7,CQ8,CQ9,CQ10,CQ11,
		CQ12,CQ13,CQ14,CD4,CD5,CD6,Q4,,Q6,Q3,IC2)
	YES	2.6. Checking open and short of MAIN BORD.
NO		2.7. Checking open and short of MAIN BORD.
3. 5V's Out-put voltage is measured too high or low.		
A. Checking open and short of IC5.		
B. Checking open and short of CR30,CR31.		
C. Checking open and short of IC3.		
4. 5V's Out-put voltage is work with intermittent mode.		
A. Is R7's condition good from open and short?		
YES: changing R7. **NO**: Checking 1.3 and 1.4 items.		
(Checking open and short of MAIN BORD if that 1,3 and 1.4 items are no problem.)		
5. Out-put voltage(DC12V,15V,24V) is measured too high.		
A. Checking open and short of CR38,CR39,CR40,CR41,CR42.		
B. Checking open and short of IC2		
6. Out-put voltage(DC12V, 15V, 24V) is measured too low.		
A. Checking open and short of CR38,CR39,CR40,CR41,CR42.		
B. Checking open and short of IC2		

8. Parts List.

8-1. Main Board Part List.

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
A001	PCB MAIN	234X189 K4V	CC151	C CHIP	50V Y5V 0.1MF Z 1608
CC1	C CHIP	50V Y5V 0.1MF Z 1608	CC152	C CHIP	50V Y5V 0.1MF Z 1608
CC101	C CHIP	50V CH 100PF J 1608	CC153	C CHIP	50V Y5V 0.1MF Z 1608
CC102	C CHIP	50V Y5V 0.1MF Z 1608	CC154	C CHIP	50V Y5V 0.1MF Z 1608
CC103	C CHIP	50V CH 100PF J 1608	CC2	C CHIP	50V X7R 0.01MF K 1608
CC104	C CHIP	50V CH 100PF J 1608	CC200	C CHIP	50V Y5V 0.1MF Z 1608
CC105	C CHIP	50V Y5V 0.1MF Z 1608	CC201	C CHIP	50V X7R 1500PF K 1608
CC106	C CHIP	50V CH 100PF J 1608	CC202	C CHIP	50V X7R 6800PF K 1608
CC107	C CHIP	50V CH 100PF J 1608	CC203	C CHIP	50V X7R 6800PF K 1608
CC108	C CHIP	50V Y5V 0.1MF Z 1608	CC204	C CHIP	50V X7R 1500PF K 1608
CC109	C CHIP	50V CH 100PF J 1608	CC205	C CHIP	50V Y5V 0.1MF Z 1608
CC110	C CHIP	50V Y5V 0.1MF Z 1608	CC206	C CHIP	50V X7R 1500PF K 1608
CC111	C CHIP	50V CH 100PF J 1608	CC207	C CHIP	50V X7R 1500PF K 1608
CC112	C CHIP	50V Y5V 0.1MF Z 1608	CC211	C CHIP	50V CH 10PF J 1608
CC113	C CHIP	50V Y5V 0.1MF Z 1608	CC213	C CHIP	50V CH 10PF J 1608
CC114	C CHIP	50V CH 330PF J 1608	CC215	C CHIP	50V CH 10PF J 1608
CC115	C CHIP	50V CH 100PF J 1608	CC216	C CHIP	50V X7R 1500PF K 1608
CC116	C CHIP	50V Y5V 0.1MF Z 1608	CC217	C CHIP	50V X7R 1500PF K 1608
CC117	C CHIP	50V CH 100PF J 1608	CC218	C CHIP	50V X7R 1500PF K 1608
CC118	C CHIP	50V Y5V 0.1MF Z 1608	CC219	C CHIP	50V X7R 1500PF K 1608
CC119	C CHIP	50V CH 100PF J 1608	CC224	C CHIP	50V CH 1000PF J 1608
CC120	C CHIP	50V CH 100PF J 1608	CC225	C CHIP	50V CH 1000PF J 1608
CC121	C CHIP	50V CH 100PF J 1608	CC230	C CHIP	10V X7R 1MF K 1608
CC122	C CHIP	50V Y5V 0.1MF Z 1608	CC231	C CHIP	50V X7R 0.047MF K 1608
CC123	C CHIP	50V CH 100PF J 1608	CC232	C CHIP	50V X7R 0.047MF K 1608
CC124	C CHIP	50V CH 100PF J 1608	CC233	C CHIP	10V X7R 1MF K 1608
CC125	C CHIP	50V Y5V 0.1MF Z 1608	CC234	C CHIP	50V X7R 0.047MF K 1608
CC126	C CHIP	Y5V 10V 1MF Z 1608	CC235	C CHIP	50V Y5V 0.1MF Z 1608
CC127	C CHIP	Y5V 10V 1MF Z 1608	CC236	C CHIP	10V X7R 1MF K 1608
CC128	C CHIP	50V Y5V 0.1MF Z 1608	CC237	C CHIP	10V X7R 1MF K 1608
CC129	C CHIP	50V Y5V 0.1MF Z 1608	CC238	C CHIP	10V X7R 1MF K 1608
CC130	C CHIP	50V CH 100PF J 1608	CC239	C CHIP	50V CH 100PF J 1608
CC131	C CHIP	50V CH 100PF J 1608	CC240	C CHIP	50V CH 100PF J 1608
CC132	C CHIP	50V CH 15PF J 1608	CC241	C CHIP	50V Y5V 0.1MF Z 1608
CC133	C CHIP	50V CH 15PF J 1608	CC242	C CHIP	50V Y5V 0.1MF Z 1608
CC134	C CHIP	50V Y5V 0.1MF Z 1608	CC243	C CHIP	50V Y5V 0.1MF Z 1608
CC135	C CHIP	50V Y5V 0.1MF Z 1608	CC244	C CHIP	10V X7R 1MF K 1608
CC138	C CHIP	50V Y5V 0.1MF Z 1608	CC245	C CHIP	10V X7R 1MF K 1608
CC246	C CHIP	10V X7R 1MF K 1608	CC403	C CHIP	50V Y5V 0.1MF Z 1608
CC250	C CHIP	10V X7R 1MF K 1608	CC404	C CHIP	50V Y5V 0.1MF Z 1608
CC251	C CHIP	6.3V Y5V 4.7MF Z 1608	CC405	C CHIP	50V Y5V 0.1MF Z 1608
CC252	C CHIP	6.3V Y5V 4.7MF Z 1608	CC408	C CHIP	50V CH 22PF J 1608
CC253	C CHIP	50V Y5V 0.1MF Z 1608	CC409	C CHIP	50V CH 22PF J 1608

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
CC254	C CHIP	50V Y5V 0.1MF Z 1608	CC410	C CHIP	50V Y5V 0.1MF Z 1608
CC255	C CHIP	50V Y5V 0.1MF Z 1608	CC411	C CHIP	Y5V 16V 0.47MF Z 1608
CC256	C CHIP	50V Y5V 0.1MF Z 1608	CC412	C CHIP	50V CH 1000PF J 1608
CC257	C CHIP	10V X7R 1MF K 1608	CC413	C CHIP	50V Y5V 0.1MF Z 1608
CC258	C CHIP	50V X7R 0.022MF K 1608	CC414	C CHIP	50V CH 1000PF J 1608
CC259	C CHIP	50V X7R 0.022MF K 1608	CC415	C CHIP	Y5V 16V 0.47MF Z 1608
CC260	C CHIP	50V Y5V 0.1MF Z 1608	CC416	C CHIP	50V Y5V 0.1MF Z 1608
CC261	C CHIP	50V Y5V 0.1MF Z 1608	CC417	C CHIP	Y5V 16V 0.47MF Z 1608
CC262	C CHIP	50V Y5V 0.1MF Z 1608	CC418	C CHIP	Y5V 16V 0.47MF Z 1608
CC263	C CHIP	50V Y5V 0.1MF Z 1608	CC419	C CHIP	50V CH 1000PF J 1608
CC264	C CHIP	50V Y5V 0.1MF Z 1608	CC420	C CHIP	50V Y5V 0.1MF Z 1608
CC265	C CHIP	50V Y5V 0.1MF Z 1608	CC421	C CHIP	Y5V 16V 0.47MF Z 1608
CC266	C CHIP	50V Y5V 0.1MF Z 1608	CC422	C CHIP	50V CH 330PF J 1608
CC267	C CHIP	50V Y5V 0.1MF Z 1608	CC423	C CHIP	50V Y5V 0.1MF Z 1608
CC268	C CHIP	50V Y5V 0.1MF Z 1608	CC424	C CHIP	50V CH 330PF J 1608
CC269	C CHIP	50V Y5V 0.1MF Z 1608	CC429	C CHIP	Y5V 16V 0.47MF Z 1608
CC270	C CHIP	50V Y5V 0.1MF Z 1608	CC430	C CHIP	50V CH 1000PF J 1608
CC271	C CHIP	50V Y5V 0.1MF Z 1608	CC431	C CHIP	50V Y5V 0.1MF Z 1608
CC3	C CHIP	50V Y5V 0.1MF Z 1608	CC434	C CHIP	50V Y5V 0.1MF Z 1608
CC303	C CHIP	50V Y5V 0.1MF Z 1608	CC435	C CHIP	Y5V 16V 0.47MF Z 1608
CC304	C CHIP	50V Y5V 0.1MF Z 1608	CC436	C CHIP	50V CH 1000PF J 1608
CC305	C CHIP	50V CH 330PF J 1608	CC439	C CHIP	Y5V 16V 0.47MF Z 1608
CC306	C CHIP	50V Y5V 0.1MF Z 1608	CC440	C CHIP	50V CH 1000PF J 1608
CC307	C CHIP	50V CH 330PF J 1608	CC445	C CHIP	50V X7R 0.01MF K 1608
CC310	C CHIP	50V Y5V 0.1MF Z 1608	CC450	C CHIP	50V Y5V 0.1MF Z 1608
CC312	C CHIP	50V Y5V 0.1MF Z 1608	CC451	C CHIP	50V Y5V 0.1MF Z 1608
CC313	C CHIP	50V Y5V 0.1MF Z 1608	CC452	C CHIP	50V Y5V 0.1MF Z 1608
CC316	C CHIP	50V Y5V 0.1MF Z 1608	CC453	C CHIP	50V Y5V 0.1MF Z 1608
CC319	C CHIP	50V Y5V 0.1MF Z 1608	CC454	C CHIP	50V Y5V 0.1MF Z 1608
CC322	C CHIP	50V Y5V 0.1MF Z 1608	CC455	C CHIP	50V CH 100PF J 1608
CC325	C CHIP	50V Y5V 0.1MF Z 1608	CC456	C CHIP	50V Y5V 0.1MF Z 1608
CC328	C CHIP	50V Y5V 0.1MF Z 1608	CC457	C CHIP	50V Y5V 0.1MF Z 1608
CC331	C CHIP	50V Y5V 0.1MF Z 1608	CC5	C CHIP	50V Y5V 0.1MF Z 1608
CC334	C CHIP	50V Y5V 0.1MF Z 1608	CC501	C CHIP	50V CH 18PF J 1608
CC337	C CHIP	50V Y5V 0.1MF Z 1608	CC502	C CHIP	50V CH 18PF J 1608
CC340	C CHIP	50V Y5V 0.1MF Z 1608	CC503	C CHIP	50V Y5V 0.1MF Z 1608
CC341	C CHIP	50V Y5V 0.1MF Z 1608	CC504	C CHIP	50V Y5V 0.1MF Z 1608
CC4	C CHIP	50V Y5V 0.1MF Z 1608	CC550	C CHIP	50V Y5V 0.1MF Z 1608
CC401	C CHIP	50V Y5V 0.1MF Z 1608	CC551	C CHIP	50V Y5V 0.1MF Z 1608
CC402	C CHIP	50V Y5V 0.1MF Z 1608	CC552	C CHIP	50V CH 330PF J 1608
CC553	C CHIP	50V Y5V 0.1MF Z 1608	CC613	C CHIP	50V Y5V 0.1MF Z 1608
CC554	C CHIP	50V CH 330PF J 1608	CC614	C CHIP	50V CH 330PF J 1608
CC555	C CHIP	50V Y5V 0.1MF Z 1608	CC615	C CHIP	Y5V 16V 0.47MF Z 1608
CC556	C CHIP	50V CH 330PF J 1608	CC616	C CHIP	50V Y5V 0.1MF Z 1608
CC557	C CHIP	50V Y5V 0.1MF Z 1608	CC617	C CHIP	50V Y5V 0.1MF Z 1608
CC558	C CHIP	50V CH 330PF J 1608	CC618	C CHIP	50V Y5V 0.1MF Z 1608

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
CC559	C CHIP	50V Y5V 0.1MF Z 1608	CC619	C CHIP	50V CH 330PF J 1608
CC560	C CHIP	50V CH 330PF J 1608	CC620	C CHIP	Y5V 16V 0.47MF Z 1608
CC561	C CHIP	50V Y5V 0.1MF Z 1608	CC621	C CHIP	50V Y5V 0.1MF Z 1608
CC562	C CHIP	50V CH 330PF J 1608	CC622	C CHIP	50V Y5V 0.1MF Z 1608
CC563	C CHIP	50V Y5V 0.1MF Z 1608	CC624	C CHIP	50V Y5V 0.1MF Z 1608
CC564	C CHIP	50V CH 330PF J 1608	CC625	C CHIP	50V Y5V 0.1MF Z 1608
CC565	C CHIP	50V Y5V 0.1MF Z 1608	CC626	C CHIP	50V Y5V 0.1MF Z 1608
CC566	C CHIP	50V CH 330PF J 1608	CC627	C CHIP	50V Y5V 0.1MF Z 1608
CC567	C CHIP	50V Y5V 0.1MF Z 1608	CC628	C CHIP	50V Y5V 0.1MF Z 1608
CC568	C CHIP	50V CH 330PF J 1608	CC629	C CHIP	50V Y5V 0.1MF Z 1608
CC569	C CHIP	50V Y5V 0.1MF Z 1608	CC630	C CHIP	50V Y5V 0.1MF Z 1608
CC570	C CHIP	50V CH 330PF J 1608	CC631	C CHIP	50V Y5V 0.1MF Z 1608
CC571	C CHIP	50V Y5V 0.1MF Z 1608	CC632	C CHIP	16V X7R 0.22MF K 1608
CC572	C CHIP	50V CH 330PF J 1608	CC633	C CHIP	50V Y5V 0.1MF Z 1608
CC573	C CHIP	50V Y5V 0.1MF Z 1608	CC634	C CHIP	50V X7R 0.022MF K 1608
CC574	C CHIP	50V CH 330PF J 1608	CC635	C CHIP	50V CH 33PF J 1608
CC575	C CHIP	50V Y5V 0.1MF Z 1608	CC636	C CHIP	Y5V 10V 1MF Z 1608
CC576	C CHIP	50V CH 330PF J 1608	CC637	C CHIP	Y5V 10V 1MF Z 1608
CC577	C CHIP	50V Y5V 0.1MF Z 1608	CC638	C CHIP	50V Y5V 0.1MF Z 1608
CC578	C CHIP	50V CH 330PF J 1608	CC642	C CHIP	50V Y5V 0.1MF Z 1608
CC579	C CHIP	50V Y5V 0.1MF Z 1608	CC643	C CHIP	50V Y5V 0.1MF Z 1608
CC580	C CHIP	50V CH 330PF J 1608	CC644	C CHIP	Y5V 10V 1MF Z 1608
CC581	C CHIP	50V Y5V 0.1MF Z 1608	CC645	C CHIP	Y5V 10V 1MF Z 1608
CC582	C CHIP	50V CH 330PF J 1608	CC648	C CHIP	50V Y5V 0.1MF Z 1608
CC583	C CHIP	50V Y5V 0.1MF Z 1608	CC649	C CHIP	50V Y5V 0.1MF Z 1608
CC584	C CHIP	50V CH 330PF J 1608	CC650	C CHIP	Y5V 10V 1MF Z 1608
CC585	C CHIP	50V Y5V 0.1MF Z 1608	CC651	C CHIP	Y5V 10V 1MF Z 1608
CC601	C CHIP	Y5V 16V 0.47MF Z 1608	CC654	C CHIP	Y5V 10V 1MF Z 1608
CC602	C CHIP	Y5V 16V 0.47MF Z 1608	CC655	C CHIP	Y5V 10V 1MF Z 1608
CC603	C CHIP	50V CH 1000PF J 1608	CC658	C CHIP	50V Y5V 0.1MF Z 1608
CC604	C CHIP	Y5V 16V 0.47MF Z 1608	CC659	C CHIP	Y5V 10V 1MF Z 1608
CC605	C CHIP	50V Y5V 0.1MF Z 1608	CC660	C CHIP	Y5V 10V 1MF Z 1608
CC606	C CHIP	50V Y5V 0.1MF Z 1608	CC661	C CHIP	50V Y5V 0.1MF Z 1608
CC607	C CHIP	Y5V 16V 0.47MF Z 1608	CC662	C CHIP	50V Y5V 0.1MF Z 1608
CC608	C CHIP	Y5V 16V 0.47MF Z 1608	CC663	C CHIP	50V X7R 0.033MF K 1608
CC609	C CHIP	50V CH 1000PF J 1608	CC664	C CHIP	50V X7R 0.033MF K 1608
CC610	C CHIP	Y5V 16V 0.47MF Z 1608	CC665	C CHIP	50V X7R 0.033MF K 1608
CC611	C CHIP	50V Y5V 0.1MF Z 1608	CC666	C CHIP	50V X7R 0.033MF K 1608
CC612	C CHIP	50V Y5V 0.1MF Z 1608	CC667	C CHIP	50V Y5V 0.1MF Z 1608
CC668	C CHIP	50V Y5V 0.1MF Z 1608	CE152	C. ELECTRO	6.3V 100MF LV 5055
CC669	C CHIP	50V Y5V 0.1MF Z 1608	CE201	C. ELECTRO	6.3V 47MF CS 5053
CC683	C CHIP	50V CH 15PF J 1608	CE202	C. ELECTRO	6.3V 47MF CS 5053
CC684	C CHIP	50V CH 15PF J 1608	CE203	C. ELECTRO	6.3V 47MF CS 5053
CC701	C CHIP	50V Y5V 0.1MF Z 1608	CE204	C. ELECTRO	6.3V 47MF CS 5053
CC808	C CHIP	50V Y5V 0.1MF Z 1608	CE205	C. ELECTRO	6.3V 47MF CS 5053
CC809	C CHIP	50V CH 1000PF J 1608	CE301	C. ELECTRO	6.3V 47MF CS 5053

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
CC810	C CHIP	50V Y5V 0.1MF Z 1608	CE302	C. ELECTRO	6.3V 47MF CS 5053
CC811	C CHIP	50V X7R 0.01MF K 1608	CE303	C. ELECTRO	6.3V 100MF LV 5055
CC812	C CHIP	50V X7R 0.01MF K 1608	CE304	C. ELECTRO	6.3V 47MF CS 5053
CC814	C CHIP	50V X7R 3300PF K 1608	CE305	C. ELECTRO	16V 10MF MV 4052
CC815	C CHIP	50V Y5V 0.1MF Z 1608	CE401	C. ELECTRO	16V 10MF MV 4052
CC816	C CHIP	50V CH 1000PF J 1608	CE403	C. ELECTRO	6.3V 100MF LV 5055
CC817	C CHIP	50V Y5V 0.1MF Z 1608	CE404	C. ELECTRO	6.3V 1000MF LV 1010
CC818	C CHIP	50V X7R 0.01MF K 1608	CE406	C. ELECTRO	6.3V 1000MF LV 1010
CC819	C CHIP	50V X7R 0.01MF K 1608	CE407	C. ELECTRO	6.3V 100MF LV 5055
CC821	C CHIP	50V X7R 3300PF K 1608	CE408	C. ELECTRO	6.3V 47MF CS 5053
CC822	C CHIP	50V Y5V 0.1MF Z 1608	CE409	C. ELECTRO	6.3V 47MF CS 5053
CC823	C CHIP	50V CH 1000PF J 1608	CE410	C. ELECTRO	6.3V 100MF LV 5055
CC824	C CHIP	50V Y5V 0.1MF Z 1608	CE420	C. ELECTRO	16V 10MF MV 4052
CC825	C CHIP	50V X7R 0.01MF K 1608	CE421	C. ELECTRO	16V 10MF MV 4052
CC826	C CHIP	50V X7R 0.01MF K 1608	CE550	C. ELECTRO	6.3V 47MF CS 5053
CC828	C CHIP	50V X7R 3300PF K 1608	CE551	C. ELECTRO	6.3V 100MF LV 5055
CC829	C CHIP	50V Y5V 0.1MF Z 1608	CE552	C. ELECTRO	6.3V 100MF LV 5055
CC830	C CHIP	50V Y5V 0.1MF Z 1608	CE601	C. ELECTRO	16V 10MF MV 4052
CC831	C CHIP	50V Y5V 0.1MF Z 1608	CE602	C. ELECTRO	16V 10MF MV 4052
CC832	C CHIP	50V Y5V 0.1MF Z 1608	CE603	C. ELECTRO	16V 10MF MV 4052
CC833	C CHIP	50V Y5V 0.1MF Z 1608	CE604	C. ELECTRO	16V 10MF MV 4052
CC834	C CHIP	50V Y5V 0.1MF Z 1608	CE605	C. ELECTRO	16V 10MF MV 4052
CC835	C CHIP	50V CH 1000PF J 1608	CE606	C. ELECTRO	16V 10MF MV 4052
CC836	C CHIP	50V CH 1000PF J 1608	CE607	C. ELECTRO	16V 10MF MV 4052
CC837	C CHIP	50V CH 1000PF J 1608	CE608	C. ELECTRO	16V 10MF MV 4052
CC838	C CHIP	50V CH 1000PF J 1608	CE609	C. ELECTRO	16V 10MF MV 4052
CC839	C CHIP	50V CH 1000PF J 1608	CE610	C. ELECTRO	6.3V 47MF CS 5053
CC840	C CHIP	50V Y5V 0.1MF Z 1608	CE611	C. ELECTRO	16V 10MF MV 4052
CC841	C CHIP	50V Y5V 0.1MF Z 1608	CE612	C. ELECTRO	6.3V 47MF CS 5053
CE101	C. ELECTRO	6.3V 100MF LV 5055	CE613	C. ELECTRO	6.3V 47MF CS 5053
CE102	C. ELECTRO	6.3V 47MF CS 5053	CE614	C. ELECTRO	16V 10MF MV 4052
CE103	C. ELECTRO	6.3V 47MF CS 5053	CE615	C. ELECTRO	6.3V 47MF CS 5053
CE104	C. ELECTRO	6.3V 100MF LV 5055	CE616	C. ELECTRO	25V 330MF LV 1010
CE105	C. ELECTRO	6.3V 100MF LV 5055	CE701	C. ELECTRO	25V 330MF LV 1010
CE107	C. ELECTRO	16V 10MF MV 4052	CE702	C. ELECTRO	25V 330MF LV 1010
CE108	C. ELECTRO	16V 10MF MV 4052	CE703	C. ELECTRO	16V 10MF MV 4052
CE109	C. ELECTRO	16V 10MF MV 4052	CE802	C. ELECTRO	16V 470MF LV 8010
CE151	C. ELECTRO	6.3V 100MF LV 5055	CE803	C. ELECTRO	16V 470MF LV 8010
CE804	C. ELECTRO	16V 470MF LV 8010	JK203	Conn D-SUB	SHF-015-B111-22
CE805	C. ELECTRO	6.3V 100MF LV 5055	JK204	JACK PHONE	SPJ-358H
CE806	C. ELECTRO	6.3V 100MF LV 5055	JK205	JACK PIN	DPSE-0375S
CE807	C. ELECTRO	6.3V 100MF LV 5055	JK301	Conn HDMI	WF050-21UBR STR.
CE808	C. ELECTRO	6.3V 100MF LV 5055	JK302	Conn HDMI	WF050-21UBR STR.
CE809	C. ELECTRO	6.3V 100MF LV 5055	JK303	Conn HDMI	WF050-21UBR STR.
CE810	C. ELECTRO	6.3V 100MF LV 5055	JK304	Conn WAFER	20017WR-04A
CE811	C. ELECTRO	16V 470MF LV 8010	JK401	Conn D-SUB 9P	SHRA0209011

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
CE812	C. ELECTRO	16V 470MF LV 8010	JK601	Conn OPTICAL	OJ107A-T050-SHS
CE813	C. ELECTRO	16V 470MF LV 8010	L601	L CHIP COIL	33UH K 1280
CE814	C. ELECTRO	16V 470MF LV 8010	L602	L CHIP COIL	33UH K 1280
CE815	C. ELECTRO	25V 330MF LV 1010	L603	L CHIP COIL	33UH K 1280
CE816	C. ELECTRO	16V 470MF LV 8010	L604	L CHIP COIL	33UH K 1280
DC301	DIODE CHIP	BAV70	LC1	FERRITE CHIP	1000 OHM PBY 1608
DC302	DIODE CHIP	BAV70	LC101	FERRITE CHIP	1000 OHM PBY 1608
DC403	DIODE CHIP	BAV70	LC102	FERRITE CHIP	1000 OHM PBY 1608
DZ806	CHIP ZENER	BZX84C8V2	LC103	FERRITE CHIP	HH-1M3216-501J
IC101	IC CHIP	STV0362	LC104	FERRITE CHIP	1000 OHM PBY 1608
IC151	IC CHIP	74LVC245APW	LC105	FERRITE CHIP	HH-1M3216-501J
IC152	IC BUFFER	74LVC16244	LC106	FERRITE CHIP	1000 OHM PBY 1608
IC153	IC BUFFER	74LVC16244	LC151	FERRITE CHIP	HH-1M3216-501J
IC201	IC SWITCH	STV6402AD	LC152	FERRITE CHIP	HH-1M3216-501J
IC304	IC CHIP	ST2042BDR	LC201	FERRITE CHIP	30 OHM UPB 1608
IC305	IC CHIP	CAT6341CQ	LC202	FERRITE CHIP	30 OHM UPB 1608
IC306	IC EEPROM	M24C02-WMN6T	LC203	FERRITE CHIP	30 OHM UPB 1608
IC401	IC CHIP	STI1012BUA	LC204	FERRITE CHIP	30 OHM UPB 1608
IC402	IC DRIVER	ST3222ECTR	LC205	FERRITE CHIP	30 OHM UPB 1608
IC404	IC EEPROM	M24C08WRN6	LC206	FERRITE CHIP	30 OHM UPB 1608
IC410	IC OP AMP	KIA358F DUAL OP AMP	LC207	FERRITE CHIP	30 OHM UPB 1608
IC411	IC RESET	KIA7027AT 2.7V	LC208	FERRITE CHIP	30 OHM UPB 1608
IC503	IC RESET	KIA7027AT 2.7V	LC209	FERRITE CHIP	30 OHM UPB 1608
IC550	IC FLASH MEMORY	M29W320EB70N16E	LC210	FERRITE CHIP	1000 OHM PBY 1608
IC551	IC DDR SDRAM	EDE5116AJBG-6E-E	LC211	FERRITE CHIP	1000 OHM PBY 1608
IC552	IC DDR SDRAM	EDE5116AJBG-6E-E	LC212	FERRITE CHIP	1000 OHM PBY 1608
IC601	IC AUDIO AMP	TDA7491P	LC213	FERRITE CHIP	1000 OHM PBY 1608
IC602	IC CHIP	STV8317F	LC214	L CHIP COIL	15UH K CL201212
IC603	IC CHIP RESET	KIA7027AT 2.7V	LC309	FERRITE CHIP	HH-1M3216-501J
IC802	IC CHIP	MP2305DS	LC310	FERRITE CHIP	HH-1M3216-501J
IC803	IC CHIP	MP2305DS	LC311	F CHIP EMI	90 OHM CML 201212
IC804	IC CHIP	MP2305DS	LC312	FERRITE CHIP	HH-1M3216-501J
IC805	IC REGULATOR	AZ1117H-2.5TREI 2.5V	LC313	FERRITE CHIP	HH-1M3216-501J
IC806	IC REGULATOR	AZ1117H-3.3TREI 3.3V	LC314	FERRITE CHIP	HH-1M3216-501J
IC807	IC REGULATOR	AZ1117H-3.3TREI 3.3V	LC315	FERRITE CHIP	1000 OHM PBY 1608
JK201	JACK SCART	DSSM-0378 STR	LC401	FERRITE CHIP	HH-1M3216-501J
JK202	JACK SCART	DSSM-0378 STR	LC402	FERRITE CHIP	HH-1M3216-501J
LC403	FERRITE CHIP	HH-1M3216-501J	QC303	TR CHIP	2SA1037AKT146-R
LC404	FERRITE CHIP	HH-1M3216-501J	QC304	TR CHIP	2SC2412K-T146-BR
LC405	FERRITE CHIP	HH-1M3216-501J	QC305	TR CHIP	BSS138
LC406	FERRITE CHIP	HH-1M3216-501J	QC306	TR CHIP	2SC2412K-T146-BR
LC407	FERRITE CHIP	1000 OHM PBY 1608	QC307	TR CHIP	2SC2412K-T146-BR
LC408	FERRITE CHIP	1000 OHM PBY 1608	QC308	TR CHIP	BSS138
LC501	FERRITE CHIP	1000 OHM PBY 1608	QC309	TR CHIP	BSS138
LC550	FERRITE CHIP	1000 OHM PBY 1608	QC310	TR CHIP	2SC2412K-T146-BR
LC551	FERRITE CHIP	HH-1M3216-501J	QC311	TR CHIP	BSS138

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
LC552	FERRITE CHIP	HH-1M3216-501J	QC4	TR CHIP	BSS138
LC607	FERRITE CHIP	1000 OHM PBY 1608	QC401	TR CHIP	BSS138
LC608	L CHIP COIL	47UH K NLS3225	QC402	TR CHIP	2SC2412K-T146-BR
LC609	L CHIP COIL	100UH K NLC3225	QC405	TR CHIP	BSS138
LC610	L CHIP COIL	100UH K NLC3225	QC406	TR CHIP	BSS138
LC611	FERRITE CHIP	HH-1M3216-501J	QC407	TR CHIP	2SC2412K-T146-BR
LC612	FERRITE CHIP	1000 OHM PBY 1608	QC408	TR CHIP	2SC2412K-T146-BR
LC613	FERRITE CHIP	1000 OHM PBY 1608	QC412	TR CHIP	BSS138
LC614	FERRITE CHIP	1000 OHM PBY 1608	QC413	TR CHIP	BSS138
LC615	FERRITE CHIP	1000 OHM PBY 1608	QC501	TR CHIP	2SC2412K-T146-BR
LC616	FERRITE CHIP	1000 OHM PBY 1608	QC503	TR CHIP	2SC2412K-T146-BR
LC701	L CHIP COIL	4.7UH M SLF6028	QC601	TR CHIP	2SC2412K-T146-BR
LC803	L CHIP COIL	33UH K 1280	QC608	TR CHIP	2SC2412K-T146-BR
LC805	L CHIP COIL	33UH K 1280	QC701	TR CHIP	2SC2412K-T146-BR
LC806	L CHIP COIL	4.7UH K NLC5650T	QC702	FET CHIP	TSM2311
LC807	L CHIP COIL	33UH K 1280	RA101	R CHIP Array	1/16 8P 56 OHM 3216
LC808	FERRITE CHIP	HH-1M3216-501J	RA102	R CHIP Array	1/16 8P 56 OHM 3216
LC809	FERRITE CHIP	1000 OHM PBY 1608	RA103	R CHIP Array	1/16 8P 56 OHM 3216
LC810	FERRITE CHIP	1000 OHM PBY 1608	RA151	R CHIP Array	1/16 8P 33 OHM J 3216
LC811	FERRITE CHIP	1000 OHM PBY 1608	RA152	R CHIP Array	1/16 8P 33 OHM J 3216
LC812	COIL BEAD	HC-3550R	RA153	R CHIP Array	1/16 8P 33 OHM J 3216
P151	Conn PCMCIA	PC68PRA8013XZ-H-CN	RC1	R CHIP	1/10 0 OHM J 1608
P201	Conn WAFER	12505WR-08P	RC10	R CHIP	1/10 100 OHM J 1608
P301	Conn WAFER	4602-04MV2-60-1	RC101	R CHIP	1/10 100 OHM J 1608
P401	Conn WAFER	12505WR-04P	RC102	R CHIP	1/10 100 OHM J 1608
P402	Conn WAFER	12505WR-05P	RC103	R CHIP	1/10 0 OHM J 1608
P502	Conn WAFER	4602-02MV2-60-1	RC104	R CHIP	1/10 470 OHM F 1608
P601	Conn WAFER	SMAW250-03	RC105	R CHIP	1/10 470 OHM F 1608
P602	Conn WAFER	SMAW250-02	RC107	R CHIP	1/10 180 OHM J 1608
P701	Conn WAFER**2	SMW200-30C	RC109	R CHIP	1/10 10K OHM J 1608
P801	Conn WAFER	SMW250-15	RC11	R CHIP	1/10 100 OHM J 1608
QC1	TR CHIP	BSS138	RC110	R CHIP	1/10 100 OHM J 1608
QC2	TR CHIP	BSS138	RC111	R CHIP	1/10 100 OHM J 1608
QC3	TR CHIP	BSS138	RC112	R CHIP	1/10 10K OHM J 1608
QC301	TR CHIP	2SC2412K-T146-BR	RC113	R CHIP	1/10 10K OHM J 1608
QC302	TR CHIP	2SC2412K-T146-BR	RC114	R CHIP	1/10 10K OHM J 1608
RC115	R CHIP	1/10 1K OHM J 1608	RC213	R CHIP	1/10 10K OHM J 1608
RC116	R CHIP	1/10 0 OHM J 1608	RC214	R CHIP	1/10 100 OHM J 1608
RC117	R CHIP	1/10 10K OHM J 1608	RC215	R CHIP	1/10 75 OHM J 1608
RC12	R CHIP	1/10 100 OHM J 1608	RC216	R CHIP	1/10 10K OHM J 1608
RC120	R CHIP	1/10 4.7K OHM J 1608	RC217	R CHIP	1/10 2.7K OHM J 1608
RC121	R CHIP	1/10 4.7K OHM J 1608	RC218	R CHIP	1/10 10K OHM J 1608
RC122	R CHIP	1/10 100 OHM J 1608	RC219	R CHIP	1/10 100 OHM J 1608
RC126	R CHIP	1/10 10 OHM J 1608	RC220	R CHIP	1/10 10K OHM J 1608
RC127	R CHIP	1/10 10 OHM J 1608	RC221	R CHIP	1/10 100 OHM J 1608
RC128	R CHIP	1/10 10 OHM J 1608	RC222	R CHIP	1/10 3.3K OHM J 1608

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
RC129	R CHIP	1/10 10 OHM J 1608	RC223	R CHIP	1/10 6.8K OHM J 1608
RC130	R CHIP	1/10 10 OHM J 1608	RC224	R CHIP	1/10 3.3K OHM J 1608
RC131	R CHIP	1/10 10 OHM J 1608	RC225	R CHIP	1/10 6.8K OHM J 1608
RC133	R CHIP	1/10 100 OHM J 1608	RC226	R CHIP	1/10 75 OHM J 1608
RC134	R CHIP	1/10 100 OHM J 1608	RC227	R CHIP	1/10 75 OHM J 1608
RC15	R CHIP	1/10 0 OHM J 1608	RC228	R CHIP	1/10 75 OHM J 1608
RC151	R CHIP	1/10 10K OHM J 1608	RC229	R CHIP	1/10 10K OHM J 1608
RC152	R CHIP	1/10 10K OHM J 1608	RC23	R CHIP	1/10 0 OHM J 1608
RC153	R CHIP	1/10 10K OHM J 1608	RC230	R CHIP	1/10 10K OHM J 1608
RC154	R CHIP	1/10 10K OHM J 1608	RC231	R CHIP	1/10 10K OHM J 1608
RC155	R CHIP	1/10 10K OHM J 1608	RC232	R CHIP	1/10 10K OHM J 1608
RC156	R CHIP	1/10 10K OHM J 1608	RC233	R CHIP	1/10 75 OHM J 1608
RC158	R CHIP	1/10 10K OHM J 1608	RC234	R CHIP	1/10 0 OHM J 1608
RC159	R CHIP	1/10 10K OHM J 1608	RC235	R CHIP	1/10 75 OHM J 1608
RC160	R CHIP	1/10 10K OHM J 1608	RC236	R CHIP	1/10 0 OHM J 1608
RC161	R CHIP	1/10 10K OHM J 1608	RC237	R CHIP	1/10 75 OHM J 1608
RC162	R CHIP	1/10 10K OHM J 1608	RC238	R CHIP	1/10 0 OHM J 1608
RC163	R CHIP	1/10 10K OHM J 1608	RC24	R CHIP	1/10 0 OHM J 1608
RC164	R CHIP	1/10 10K OHM J 1608	RC241	R CHIP	1/10 0 OHM J 1608
RC165	R CHIP	1/10 10K OHM J 1608	RC242	R CHIP	1/10 75 OHM J 1608
RC17	R CHIP	1/10 0 OHM J 1608	RC243	R CHIP	1/10 0 OHM J 1608
RC18	R CHIP	1/10 100K OHM J 1608	RC244	R CHIP	1/10 75 OHM J 1608
RC19	R CHIP	1/10 100K OHM J 1608	RC245	R CHIP	1/10 0 OHM J 1608
RC201	R CHIP	1/10 75 OHM J 1608	RC246	R CHIP	1/10 75 OHM J 1608
RC202	R CHIP	1/10 0 OHM J 1608	RC247	R CHIP	1/10 100 OHM J 1608
RC203	R CHIP	1/10 75 OHM J 1608	RC248	R CHIP	1/10 10K OHM J 1608
RC204	R CHIP	1/10 75 OHM J 1608	RC249	R CHIP	1/10 100 OHM J 1608
RC205	R CHIP	1/10 75 OHM J 1608	RC25	R CHIP	1/10 0 OHM J 1608
RC206	R CHIP	1/10 10K OHM J 1608	RC250	R CHIP	1/10 10K OHM J 1608
RC207	R CHIP	1/10 2.7K OHM J 1608	RC252	R CHIP	1/10 10K OHM J 1608
RC208	R CHIP	1/10 75 OHM J 1608	RC253	R CHIP	1/10 10K OHM J 1608
RC209	R CHIP	1/10 10K OHM J 1608	RC254	R CHIP	1/10 75 OHM J 1608
RC210	R CHIP	1/10 100 OHM J 1608	RC257	R CHIP	1/10 270 OHM J 1608
RC211	R CHIP	1/10 100 OHM J 1608	RC258	R CHIP	1/10 270 OHM J 1608
RC212	R CHIP	1/10 100 OHM J 1608	RC259	R CHIP	1/10 1K OHM J 1608
RC260	R CHIP	1/10 1.2K OHM J 1608	RC336	R CHIP	1/10 10K OHM J 1608
RC261	R CHIP	1/10 2.2K OHM J 1608	RC338	R CHIP	1/10 10K OHM J 1608
RC262	R CHIP	1/10 2.2K OHM J 1608	RC339	R CHIP	1/10 10K OHM J 1608
RC263	R CHIP	1/10 2.2K OHM J 1608	RC340	R CHIP	1/10 10K OHM J 1608
RC264	R CHIP	1/10 2.2K OHM J 1608	RC342	R CHIP	1/10 10K OHM J 1608
RC265	R CHIP	1/10 2.2K OHM J 1608	RC343	R CHIP	1/10 10K OHM J 1608
RC266	R CHIP	1/10 2.2K OHM J 1608	RC345	R CHIP	1/10 1.5K OHM F 1608
RC267	R CHIP	1/10 4.7K OHM J 1608	RC347	R CHIP	1/10 10K OHM J 1608
RC268	R CHIP	1/10 100 OHM J 1608	RC348	R CHIP	1/10 1.5K OHM F 1608
RC269	R CHIP	1/10 100 OHM J 1608	RC349	R CHIP	1/10 1K OHM J 1608
RC270	R CHIP	1/10 75 OHM J 1608	RC351	R CHIP	1/10 10K OHM J 1608

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
RC271	R CHIP	1/10 0 OHM J 1608	RC352	R CHIP	1/10 3.3K OHM J 1608
RC272	R CHIP	1/10 0 OHM J 1608	RC354	R CHIP	1/10 0 OHM J 1608
RC273	R CHIP	1/10 0 OHM J 1608	RC355	R CHIP	1/10 0 OHM J 1608
RC274	R CHIP	1/10 7.87K OHM F 1608	RC356	R CHIP	1/10 0 OHM J 1608
RC3	R CHIP	1/10 100 OHM J 1608	RC357	R CHIP	1/10 0 OHM J 1608
RC301	R CHIP	1/10 1K OHM J 1608	RC358	R CHIP	1/10 0 OHM J 1608
RC302	R CHIP	1/10 0 OHM J 1608	RC361	R CHIP	1/10 10K OHM J 1608
RC303	R CHIP	1/10 0 OHM J 1608	RC367	R CHIP	1/10 470K OHM J 1608
RC304	R CHIP	1/10 100 OHM J 1608	RC368	R CHIP	1/10 470K OHM J 1608
RC305	R CHIP	1/10 1K OHM J 1608	RC369	R CHIP	1/10 5.1K OHM J 1608
RC306	R CHIP	1/10 0 OHM J 1608	RC370	R CHIP	1/10 5.1K OHM J 1608
RC307	R CHIP	1/10 0 OHM J 1608	RC372	R CHIP	1/10 10K OHM J 1608
RC308	R CHIP	1/10 100 OHM J 1608	RC373	R CHIP	1/10 0 OHM J 1608
RC309	R CHIP	1/10 10K OHM J 1608	RC374	R CHIP	1/10 10K OHM J 1608
RC310	R CHIP	1/10 10K OHM J 1608	RC377	R CHIP	1/10 1K OHM J 1608
RC311	R CHIP	1/10 0 OHM J 1608	RC378	R CHIP	1/10 0 OHM J 1608
RC312	R CHIP	1/10 10K OHM J 1608	RC379	R CHIP	1/10 0 OHM J 1608
RC313	R CHIP	1/10 10K OHM J 1608	RC380	R CHIP	1/10 100 OHM J 1608
RC314	R CHIP	1/10 0 OHM J 1608	RC381	R CHIP	1/10 0 OHM J 1608
RC321	R CHIP	1/10 100K OHM J 1608	RC401	R CHIP	1/10 100 OHM J 1608
RC322	R CHIP	1/10 2.2K OHM J 1608	RC402	R CHIP	1/10 100 OHM J 1608
RC323	R CHIP	1/10 6.8K OHM J 1608	RC403	R CHIP	1/10 100 OHM J 1608
RC324	R CHIP	1/10 10K OHM J 1608	RC404	R CHIP	1/10 100 OHM J 1608
RC325	R CHIP	1/10 10K OHM J 1608	RC405	R CHIP	1/10 100 OHM J 1608
RC326	R CHIP	1/10 10K OHM J 1608	RC406	R CHIP	1/10 100 OHM J 1608
RC327	R CHIP	1/10 47K OHM J 1608	RC407	R CHIP	1/10 8.2K OHM J 1608
RC328	R CHIP	1/10 0 OHM J 1608	RC408	R CHIP	1/10 8.2K OHM J 1608
RC329	R CHIP	1/10 0 OHM J 1608	RC409	R CHIP	1/10 10K OHM J 1608
RC330	R CHIP	1/10 68K OHM J 1608	RC410	R CHIP	1/10 10K OHM J 1608
RC331	R CHIP	1/10 10K OHM J 1608	RC411	R CHIP	1/10 22K OHM J 1608
RC332	R CHIP	1/10 0 OHM J 1608	RC412	R CHIP	1/10 3.6K OHM J 1608
RC333	R CHIP	1/10 0 OHM J 1608	RC413	R CHIP	1/10 22K OHM J 1608
RC334	R CHIP	1/10 2K OHM F 1608	RC414	R CHIP	1/10 1K OHM J 1608
RC335	R CHIP	1/10 510 OHM F 1608	RC415	R CHIP	1/10 47 OHM J 1608
RC416	R CHIP	1/10 47 OHM J 1608	RC478	R CHIP	1/10 100 OHM J 1608
RC417	R CHIP	1/10 10K OHM J 1608	RC479	R CHIP	1/10 10K OHM J 1608
RC422	R CHIP	1/10 47 OHM J 1608	RC480	R CHIP	1/10 100 OHM J 1608
RC423	R CHIP	1/10 47 OHM J 1608	RC481	R CHIP	1/10 100 OHM J 1608
RC424	R CHIP	1/10 2.2K OHM J 1608	RC482	R CHIP	1/10 100 OHM J 1608
RC425	R CHIP	1/10 2.2K OHM J 1608	RC484	R CHIP	1/10 100 OHM J 1608
RC426	R CHIP	1/10 2.2K OHM J 1608	RC487	R CHIP	1/10 100 OHM J 1608
RC427	R CHIP	1/10 2.2K OHM J 1608	RC488	R CHIP	1/10 100 OHM J 1608
RC428	R CHIP	1/10 10K OHM J 1608	RC489	R CHIP	1/10 1.1K OHM J 1608
RC429	R CHIP	1/10 10K OHM J 1608	RC490	R CHIP	1/10 100 OHM J 1608
RC430	R CHIP	1/10 10K OHM J 1608	RC491	R CHIP	1/10 100 OHM J 1608
RC431	R CHIP	1/10 10K OHM J 1608	RC492	R CHIP	1/10 100 OHM J 1608

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
RC432	R CHIP	1/10 10K OHM J 1608	RC493	R CHIP	1/10 100 OHM J 1608
RC433	R CHIP	1/10 10K OHM J 1608	RC494	R CHIP	1/10 100 OHM J 1608
RC434	R CHIP	1/10 10K OHM J 1608	RC495	R CHIP	1/10 10K OHM J 1608
RC435	R CHIP	1/10 10K OHM J 1608	RC496	R CHIP	1/10 0 OHM J 1608
RC436	R CHIP	1/10 10K OHM J 1608	RC497	R CHIP	1/10 10K OHM J 1608
RC437	R CHIP	1/10 10K OHM J 1608	RC498	R CHIP	1/10 1K OHM J 1608
RC438	R CHIP	1/10 100 OHM J 1608	RC499	R CHIP	1/10 10K OHM J 1608
RC439	R CHIP	1/10 33 OHM J 1608	RC5	R CHIP	1/10 0 OHM J 1608
RC445	R CHIP	1/10 10K OHM J 1608	RC500	R CHIP	1/10 10K OHM J 1608
RC446	R CHIP	1/10 100 OHM J 1608	RC501	R CHIP	1/10 100 OHM J 1608
RC449	R CHIP	1/10 4.7K OHM J 1608	RC504	R CHIP	1/10 10K OHM J 1608
RC450	R CHIP	1/10 4.7K OHM J 1608	RC505	R CHIP	1/10 100 OHM J 1608
RC452	R CHIP	1/10 10K OHM J 1608	RC507	R CHIP	1/10 100 OHM J 1608
RC453	R CHIP	1/10 100 OHM J 1608	RC508	R CHIP	1/10 100 OHM J 1608
RC454	R CHIP	1/10 100 OHM J 1608	RC509	R CHIP	1/10 100 OHM J 1608
RC455	R CHIP	1/10 100 OHM J 1608	RC511	R CHIP	1/10 100 OHM J 1608
RC456	R CHIP	1/10 100 OHM J 1608	RC512	R CHIP	1/10 3.3K OHM J 1608
RC457	R CHIP	1/10 10K OHM J 1608	RC513	R CHIP	1/10 100 OHM J 1608
RC458	R CHIP	1/10 100 OHM J 1608	RC514	R CHIP	1/10 33 OHM J 1608
RC459	R CHIP	1/10 4.7K OHM J 1608	RC517	R CHIP	1/10 18K OHM J 1608
RC460	R CHIP	1/10 4.7K OHM J 1608	RC518	R CHIP	1/10 10K OHM J 1608
RC462	R CHIP	1/10 100 OHM J 1608	RC519	R CHIP	1/10 4.7K OHM J 1608
RC463	R CHIP	1/10 100 OHM J 1608	RC520	R CHIP	1/10 100 OHM J 1608
RC464	R CHIP	1/10 2.2K OHM J 1608	RC521	R CHIP	1/10 3.3K OHM J 1608
RC466	R CHIP	1/10 2.2K OHM J 1608	RC522	R CHIP	1/10 100 OHM J 1608
RC468	R CHIP	1/10 0 OHM J 1608	RC523	R CHIP	1/10 2.2K OHM J 1608
RC469	R CHIP	1/10 100 OHM J 1608	RC525	R CHIP	1/10 10K OHM J 1608
RC470	R CHIP	1/10 100 OHM J 1608	RC531	R CHIP	1/10 4.7K OHM J 1608
RC471	R CHIP	1/10 100 OHM J 1608	RC534	R CHIP	1/10 3.3K OHM J 1608
RC472	R CHIP	1/10 100 OHM J 1608	RC535	R CHIP	1/10 10K OHM J 1608
RC475	R CHIP	1/10 100 OHM J 1608	RC536	R CHIP	1/10 2K OHM J 1608
RC476	R CHIP	1/10 0 OHM J 1608	RC537	R CHIP	1/10 3.3K OHM J 1608
RC477	R CHIP	1/10 100 OHM J 1608	RC538	R CHIP	1/10 3.3K OHM J 1608
RC539	R CHIP	1/10 100 OHM J 1608	RC701	R CHIP	1/10 0 OHM J 1608
RC542	R CHIP	1/10 100 OHM J 1608	RC707	R CHIP**1	1/10 0 OHM J 1608
RC543	R CHIP	1/10 100 OHM J 1608	RC709	R CHIP	1/10 0 OHM J 1608
RC550	R CHIP	1/10 4.7K OHM J 1608	RC710	R CHIP	1/10 3.3K OHM J 1608
RC551	R CHIP	1/10 4.7K OHM J 1608	RC711	R CHIP	1/10 2.7K OHM J 1608
RC552	R CHIP	1/10 220 OHM J 1608	RC712	R CHIP	1/10 3.3K OHM J 1608
RC553	R CHIP	1/10 220 OHM J 1608	RC723	R CHIP	1/10 0 OHM J 1608
RC554	R CHIP	1/10 10K OHM F 1608	RC724	R CHIP	1/10 0 OHM J 1608
RC555	R CHIP	1/10 10K OHM F 1608	RC725	R CHIP	1/10 0 OHM J 1608
RC556	R CHIP	1/10 120K OHM F 1608	RC726	R CHIP	1/10 0 OHM J 1608
RC561	R CHIP	1/10 4.7K OHM J 1608	RC727	R CHIP	1/10 0 OHM J 1608
RC601	R CHIP	1/10 100 OHM J 1608	RC728	R CHIP	1/10 0 OHM J 1608
RC602	R CHIP	1/10 1.8K OHM J 1608	RC729	R CHIP	1/10 0 OHM J 1608

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
RC603	R CHIP	1/10 10K OHM J 1608	RC730	R CHIP	1/10 0 OHM J 1608
RC604	R CHIP	1/10 22 OHM J 1608	RC731	R CHIP	1/10 0 OHM J 1608
RC605	R CHIP	1/10 10K OHM J 1608	RC732	R CHIP	1/10 0 OHM J 1608
RC606	R CHIP	1/10 33K OHM J 1608	RC733	R CHIP	1/10 0 OHM J 1608
RC607	R CHIP	1/10 47K OHM J 1608	RC734	R CHIP	1/10 0 OHM J 1608
RC608	R CHIP	1/10 0 OHM J 1608	RC735	R CHIP	1/10 0 OHM J 1608
RC610	R CHIP	1/10 10K OHM J 1608	RC736	R CHIP	1/10 0 OHM J 1608
RC611	R CHIP	1/10 0 OHM J 1608	RC737	R CHIP	1/10 0 OHM J 1608
RC613	R CHIP	1/10 22 OHM J 1608	RC738	R CHIP	1/10 0 OHM J 1608
RC614	R CHIP	1/10 22 OHM J 1608	RC739	R CHIP	1/10 0 OHM J 1608
RC615	R CHIP	1/10 33 OHM J 1608	RC740	R CHIP	1/10 0 OHM J 1608
RC616	R CHIP	1/10 100 OHM J 1608	RC741	R CHIP	1/10 0 OHM J 1608
RC617	R CHIP	1/10 100 OHM J 1608	RC742	R CHIP	1/10 0 OHM J 1608
RC618	R CHIP	1/10 1K OHM J 1608	RC743	R CHIP	1/10 0 OHM J 1608
RC619	R CHIP	1/10 33 OHM J 1608	RC744	R CHIP	1/10 0 OHM J 1608
RC620	R CHIP	1/10 1K OHM J 1608	RC745	R CHIP	1/10 0 OHM J 1608
RC623	R CHIP	1/10 220 OHM J 1608	RC746	R CHIP	1/10 0 OHM J 1608
RC624	R CHIP	1/10 220 OHM J 1608	RC8	R CHIP	1/10 100 OHM J 1608
RC627	R CHIP	1/10 10 OHM J 1608	RC801	R CHIP	1/10 100K OHM J 1608
RC628	R CHIP	1/10 1K OHM J 1608	RC802	R CHIP	1/10 100K OHM J 1608
RC630	R CHIP	1/10 1K OHM J 1608	RC803	R CHIP	1/10 100K OHM J 1608
RC631	R CHIP	1/10 130 OHM J 1608	RC806	R CHIP	1/10 43K OHM J 1608
RC635	R CHIP	1/10 0 OHM J 1608	RC807	R CHIP	1/10 2.2K OHM J 1608
RC636	R CHIP	1/10 10K OHM J 1608	RC808	R CHIP	1/10 10 OHM J 1608
RC638	R CHIP	1/10 1K OHM J 1608	RC809	R CHIP	1/10 10K OHM F 1608
RC640	R CHIP	1/10 0 OHM J 1608	RC810	R CHIP	1/10 2.2K OHM J 1608
RC642	R CHIP	1/10 3.3K OHM J 1608	RC811	R CHIP	1/10 10K OHM F 1608
RC645	R CHIP	1/10 0 OHM J 1608	RC812	R CHIP	1/10 0 OHM J 1608
RC646	R CHIP	1/10 220 OHM J 1608	RC813	R CHIP	1/10 10 OHM J 1608
RC647	R CHIP	1/10 220 OHM J 1608	RC814	R CHIP	1/10 10K OHM F 1608
RC672	R CHIP	1/10 47 OHM J 1608	RC815	R CHIP	1/10 2.2K OHM J 1608
RC7	R CHIP	1/10 100 OHM J 1608	RC816	R CHIP	1/10 1.5K OHM F 1608
RC817	R CHIP	1/10 0 OHM J 1608	VA301	VARISTOR	ADUC10S031R1
RC818	R CHIP	1/10 10 OHM J 1608	VA302	VARISTOR	ADUC10S031R1
RC819	R CHIP	1/10 10K OHM F 1608	VA303	VARISTOR	ADUC10S031R1
RC820	R CHIP	1/10 2.2K OHM J 1608	VA304	VARISTOR	ADUC10S031R1
RC822	R CHIP	1/10 0 OHM J 1608	VA305	VARISTOR	ADUC10S031R1
RC824	R CHIP	1/10 0 OHM J 1608	VA306	VARISTOR	ADUC10S031R1
RC826	R CHIP	1/10 0 OHM J 1608	VA307	VARISTOR	ADUC10S031R1
RC827	R CHIP	1/10 180 OHM J 1608	VA308	VARISTOR	ADUC10S031R1
RC829	R CHIP	1/10 0 OHM J 1608	VA309	VARISTOR	AVLC18S03015
RC831	R CHIP	1/10 0 OHM J 1608	VA310	VARISTOR	ADUC10S031R1
RC9	R CHIP	1/10 100 OHM J 1608	VA311	VARISTOR	ADUC10S031R1
S401	SW TACT	THVV502GDA	VA312	VARISTOR	AVLC18S03015
TU101	TUNER	TDFV-T131D	VA313	VARISTOR	AVLC18S03015
VA201	VARISTOR	AVLC18S03015	VA314	VARISTOR	AVLC18S03015

Loc.	Part Name	Part Description
VA202	VARISTOR	AVLC18S03015
VA203	VARISTOR	AVLC18S03015
VA204	VARISTOR	AVLC18S03015
VA205	VARISTOR	AVLC18S03015
VA206	VARISTOR	AVLC18S03015
VA207	VARISTOR	AVLC18S03015
VA208	VARISTOR	AVLC18S03015
VA209	VARISTOR	AVLC18S03015
VA210	VARISTOR	AVLC18S03015
VA211	VARISTOR	AVLC18S03015
VA212	VARISTOR	AVLC18S03015
VA213	VARISTOR	AVLC18S03015
VA214	VARISTOR	AVLC18S03015
VA215	VARISTOR	AVLC18S03015
VA216	VARISTOR	AVLC18S03015
VA217	VARISTOR	AVLC18S03015
VA218	VARISTOR	AVLC18S03015
VA219	VARISTOR	AVLC18S03015
VA220	VARISTOR	AVLC18S03015
VA221	VARISTOR	AVLC18S03015
VA222	VARISTOR	AVLC18S03015
VA223	VARISTOR	AVLC18S03015
VA224	VARISTOR	AVLC18S03015
VA225	VARISTOR	AVLC18S03015
VA226	VARISTOR	AVLC18S03015
VA227	VARISTOR	AVLC18S03015
VA229	VARISTOR	AVLC18S03015
VA230	VARISTOR	AVLC18S03015
VA231	VARISTOR	AVLC18S03015
VA232	VARISTOR	AVLC18S03015
VA233	VARISTOR	AVLC18S03015
VA404	VARISTOR	AVLC18S03015
VA405	VARISTOR	AVLC18S03015
VA406	VARISTOR	AVLC18S03015
VA407	VARISTOR	AVLC18S03015
VA408	VARISTOR	AVLC18S03015
VA410	VARISTOR	AVLC18S03015
VA411	VARISTOR	AVLC18S03015
VA412	VARISTOR	AVLC18S03015
VA413	VARISTOR	AVLC18S03015
X101	CRYSTAL	27MHZ 15PF 20PPM
X402	CRYSTAL	24MHZ 22PF 30PPM
X501	CRYSTAL	16MHZ 18PF 30PPM
X601	CRYSTAL	27MHZ 15PF 20PPM
ZA201	F CHIP EMI	ACF321825 47P
ZA202	F CHIP EMI	ACF321825 47P
ZA203	F CHIP EMI	ACF321825 47P
ZA204	F CHIP EMI	ACF321825 47P
ZA205	F CHIP EMI	ACF321825 47P
ZA206	F CHIP EMI	ACF321825 47P
ZA207	F CHIP EMI	ACF321825 47P
ZA208	F CHIP EMI	ACF321825 47P
ZA209	F CHIP EMI	ACF321825 47P
ZA210	F CHIP EMI	ACF321825 47P
ZA211	F CHIP EMI	ACF321825 47P
ZA212	F CHIP EMI	ACF321825 47P
VA315	VARISTOR	ADUC10S031R1
VA316	VARISTOR	ADUC10S031R1
VA317	VARISTOR	ADUC10S031R1
VA318	VARISTOR	ADUC10S031R1
VA319	VARISTOR	ADUC10S031R1
VA320	VARISTOR	ADUC10S031R1
VA321	VARISTOR	ADUC10S031R1
VA322	VARISTOR	ADUC10S031R1
VA323	VARISTOR	AVLC18S03015
VA324	VARISTOR	ADUC10S031R1
VA325	VARISTOR	ADUC10S031R1
VA326	VARISTOR	AVLC18S03015
VA327	VARISTOR	AVLC18S03015
VA328	VARISTOR	AVLC18S03015
VA329	VARISTOR	AVLC18S03015
VA330	VARISTOR	AVLC18S03015
VA331	VARISTOR	ADUC10S031R1
VA332	VARISTOR	ADUC10S031R1
VA333	VARISTOR	ADUC10S031R1
VA334	VARISTOR	ADUC10S031R1
VA335	VARISTOR	ADUC10S031R1
VA336	VARISTOR	ADUC10S031R1
VA337	VARISTOR	ADUC10S031R1
VA338	VARISTOR	ADUC10S031R1
VA339	VARISTOR	AVLC18S03015
VA340	VARISTOR	ADUC10S031R1
VA341	VARISTOR	ADUC10S031R1
VA342	VARISTOR	AVLC18S03015
VA401	VARISTOR	AVLC18S03015
VA402	VARISTOR	AVLC18S03015
VA403	VARISTOR	AVLC18S03015

8-2. Differential Part List.

8-2-1. Differential Part of Main Chassis depending on Panel Maker.

LG Panel	SAMSUNG Panel
RC707 : 100ohm, RC706 : not used	RC707 : not used, RC706 : 100ohm.

8-2-2. Differential Part of Main Chassis depending on Panel type.

HD Panel	Full HD Panel
P701 : used, P702 : not used.	P701 : not used, P702 : used.

Note : RC706, RC707, P701, P702 were marked **1, **2 in the 7-1. Main Board Part List table.

8-3. Union Part List.

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
A002	PCB UNION	330X246 D1B	RC906	R CHIP	1/10 3.3K OHM J 1608
CC902	C CHIP CERA	50V Y5V 0.1MF Z 1608	RC907	R CHIP	1/10 0 OHM J 1608
CT902	C CHIP TANTAL	16V 22MF M 3528	RC908	R CHIP	1/10 0 OHM J 1608
IR902	IC PREAMP	R24FC6B	RC909	R CHIP	1/10 0 OHM J 1608
JK901	JACK PIN	RCA-346P 3P ANGLE	SW901	SW TACT	THVV502GDA
JK902	JACK S-VHS	SHAMD-1402-040B4	SW902	SW TACT	THVV502GDA
JK903	CONN USB	USAF-041N-WR64	SW903	SW TACT	THVV502GDA
LD902	LED LAMP	W47B3311M (SINGLE BLUE)	SW904	SW TACT	THVV502GDA
P901	CONN WAFER	20017WR-08A	SW905	SW TACT	THVV502GDA
P902	CONN WAFER	20017WR-04A	SW906	SW TACT	THVV502GDA
P903	CONN WAFER	20017WR-04A	SW907	SW TACT	THVV502GDA
P905	CONN WAFER	20017WR-05A	VA901	VARISTOR CHIP	ADUC10S031R1
RC901	R CHIP	1/10 18K OHM J 1608	VA902	VARISTOR CHIP	ADUC10S031R1
RC902	R CHIP	1/10 7.5K OHM J 1608	VA903	VARISTOR CHIP	ADUC10S031R1
RC903	R CHIP	1/10 3.3K OHM J 1608	VA904	VARISTOR CHIP	ADUC10S031R1
RC904	R CHIP	1/10 0 OHM J 1608	VA905	VARISTOR CHIP	ADUC10S031R1
RC905	R CHIP	1/10 7.5K OHM J 1608	VA908	VARISTOR CHIP	ADUC10S031R1

8-4. Cable Lists.

No	Part Code	Part Name	Part Description	Specification
1	4850714S07	CONNECTOR	Power to Inverter	20022HS-14+20022HS-14+ULW=300
2	4859008160	CABLE LVDS	CABLE LVDS **for HD**	LG : SMH200-30C+10030HS-30L2B+SLS00=300
3	4859008260	CABLE LVDS	LVDS **for Full HD**	12530HS-51L2+05030HS-51L+SLS00T=300
4	4850715S06	CONNECTOR	POWER to Main	SMH250-15+SMH250-15+ULW=200
5	4850708S32	CONNECTOR	AV to Main	20017HR-08+12505HS-08+2385=400
6	4859008360	CABLE USB	USB to Main	51004-0400+51004-0400+CORE+SLS00=450
7	4850704N48	CONNECTOR	KEY to Main	20017HS-04+12505HS-04+USW=800
8	4850705N50	CONNECTOR	IR to Main	20017HS-05+12505HS-05+USW=400
9	4859008560	CABLE LVDS	CABLE LVDS **for HD**	SAMSUNG:SMH200-30C+FH10002-30+SLS00T=300

8-5. SMPS Part list.

8-5-1) FEL-3237VN.

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
A	PCB	246x165mm CEM-1	C31	C CERA	OPEN
J1~J43	JUMP WRIE	0.65mm SOLDER COATED	IC5	SHUNT IC	TL431CTA/KA431LZTA
R1	R C COMPOSITION	1/2W 0.47M OHM J 5%)	L3	CHOCK COIL	L-22(22uH)
R23	R C COMPOSITION	1/2W 10M OHM J (5%)	L4	CHOCK COIL	L-22(22uH)
R4	R M OXIDE	2W 0.33 ohm J (5%)	F1A	FUSE CLIP	51F
R5	R M OXIDE	OPEN	F1B	FUSE CLIP	51F
R12	R M OXIDE	1W 120K OHM J (5%)	CR1	R CHIP 3216	1/4W 2M ohm J (5%)
R18	R M OXIDE	1W 470 OHM J (5%)	CR2	R CHIP 3217	1/4W 2M ohm J (5%)
R19	R M OXIDE	1W 1K OHM J (5%)	CR3	R CHIP 3218	1/4W 62K ohm J (5%)
R20	R M OXIDE	1W 3K OHM J (5%)	CR20	R CHIP 3219	1/4W 2.2M ohm J (5%)
R21	R M OXIDE	1W 3K OHM J (5%)	CR21	R CHIP 3220	1/4W 2.2M ohm J (5%)
R2	R CARBON FILM	1/4W 62K ohm J (5%)	CR22	R CHIP 3221	1/4W 100K ohm J (5%)
R3	R CARBON FILM	1/4W 62K ohm J (5%)	CR4	R CHIP 2012	1/6W 22 ohm J (5%)
R6	R CARBON FILM	1/4W 1.5K ohm J (5%)	CR5	R CHIP 2013	1/6W 24K ohm J (5%)
R7	R CARBON FILM	1/2W 6.8 ohm J (5%)	CR6	R CHIP 2014	1/6W 8.2K ohm J (5%)
R8	R CARBON FILM	OPEN	CR7	R CHIP 2015	1/6W 22K ohm J (5%)
R9	R CARBON FILM	OPEN	CR8	R CHIP 2016	1/6W 10 ohm J (5%)
R11	R CARBON FILM	1/4W 22 ohm J (5%)	CR9	R CHIP 2017	1/6W 1K ohm J (5%)
R14	R CARBON FILM	1/4W 470K ohm J (5%)	CR10	R CHIP 2018	OPEN
R15	R CARBON FILM	1/4W 4.7 ohm J (5%)	CR11	R CHIP 2019	1/6W 100K ohm J (5%)
R16	R CARBON FILM	1/4W 4.7 ohm J (5%)	CR12	R CHIP 2020	1/6W 1K ohm J (5%)
R17	R CARBON FILM	1/4W 10K ohm J (5%)	CR13	R CHIP 2021	OPEN
R22	R CARBON FILM	1/4W 470 ohm J (5%)	CR14	R CHIP 2022	1/6W 1K ohm J (5%)
R24	R CARBON FILM	1/6W 33 ohm J (5%)	CR15	R CHIP 2023	1/6W 4.7K ohm J (5%)
R25	R CARBON FILM	1/4W 470K ohm J (5%)	CR16	R CHIP 2024	1/6W 110K ohm J (5%)
D1	DIODE	1N4148	CR17	R CHIP 2025	1/6W 22K ohm J (5%)
D4	DIODE	1N4937	CR18	R CHIP 2026	1/6W 22K ohm J (5%)
D5	DIODE	UF4007	CR19	R CHIP 2027	1/6W 10 ohm J (5%)
D8	DIODE	1N4937	CR23	R CHIP 2028	1/6W 1.5K ohm J (5%)
D10	DIODE	1N4937	CR24	R CHIP 2029	1/6W 330 ohm J (5%)
C7	C-ELECTRO	25V 100uF (6.3*11) 105℃	CR25	R CHIP 2030	1/6W 330 ohm J (5%)
C8	C-ELECTRO	50V 22uF (5*11) 105℃	CR26	R CHIP 2031	1/6W 47K ohm J (5%)
C12	C-ELECTRO	50V 47uF (6.3*11) 105℃	CR27	R CHIP 2032	1/6W 47K ohm J (5%)
C13	C-ELECTRO	50V 47uF (6.3*11) 105℃	CR28	R CHIP 2033	1/6W 620 ohm J (5%)
C15	C-ELECTRO	25V 470uF (10*12.5)105도	CR29	R CHIP 2034	1/6W 680 ohm J (5%)
C16	C-ELECTRO	25V 1000uF (10*20)105도	CR30	R CHIP 2035	1/6W 10K ohm F (1%)
C17	C-ELECTRO	25V 470uF (10*12.5)105도	CR31	R CHIP 2036	1/6W 10K ohm F (1%)
C20	C-ELECTRO	25V 1000uF (10*20)105도	CR32	R CHIP 2037	1/6W 10 ohm J (5%)
C21	C-ELECTRO	10V 470uF (6.3*11) 105℃	CR33	R CHIP 2038	1/6W 10K ohm J (5%)
C24	C-ELECTRO	35V 470uF (10*16) 105℃	CR34	R CHIP 2039	1/6W 1K ohm J (5%)
C26	C-ELECTRO	OPEN	CR35	R CHIP 2040	1/6W 1K ohm J (5%)
CS4	C-ELECTRO	50V 1uF (5*11) 105℃	CR36	R CHIP 2041	1/6W 1K ohm J (5%)

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
C30	C CERA	OPEN	CR37	R CHIP 2042	1/6W 4.7K ohm J (5%)
C25	C CERA	OPEN	CR38	R CHIP 2043	1/6W 6.8K ohm J (5%)
CR39	R CHIP 2044	1/6W 200 ohm J (5%)	BD1	BR DIODE	PBS 406G /SBR406K4
CR40	R CHIP 2045	1/6W 910 ohm F (1%)	Q1	FET	HFS8N60S / STPS6NK60ZFP
CR41	R CHIP 2046	1/6W 15K ohm J (5%)	Q1B	SCREW	3*10 NI
CR42	R CHIP 2047	1/6W 620 ohm J (5%)	Q2	FET	OPEN
CR43	R CHIP 2012	1/6W 30K ohm J (5%)	D2	DIODE	SFAF808G /FSU10B60
CR44	R CHIP 2013	1/6W 100K ohm J (5%)	D2A	SCREW	3*10 NI
CR45	R CHIP 2014	1/6W 5.6K ohm J (5%)	Q1A, D2B	HEAT SINK	HS-32V1(H25mm)
CR46	R CHIP 2015	1/6W 5.6K ohm J (5%)	Q3	FET	HFS8N60S
CR47	R CHIP 2016	1/6W 300K ohm J (5%)	Q3A	SCREW	3*10 NI
CR48	R CHIP 2017	1/6W 300K ohm J (5%)	Q4	FET	HFS8N60S
CR49	R CHIP 2018	1/6W 100K ohm J (5%)	Q4A	SCREW	3*10 NI
CR50	R CHIP 2019	1/6W 47K ohm J (5%)	Q3,Q4	HEAT SINK	HS-32V2(H25mm)
CR51	R CHIP 2020	1/6W 10K ohm J (5%)	Q5	FET	HFS2N65S (2A 650V)
CR52	R CHIP 2021	1/6W 30K ohm J (5%)	C1	LINE ACROSS	PCX2 337 224K AC275V
CR53	R CHIP 2022	1/6W 27K ohm J (5%)	C1	LINE ACROSS	436D 224K AC275V
CR55	R CHIP 2023	1/6W 47K ohm J (5%)	C2	LINE ACROSS	MPX 224K AC275V
CJ**	R CHIP 2024	1/6W 0 ohm J (5%)	C2	LINE ACROSS	CBB62 224K AC275V
CD1	CHIP DIODE	OPEN	C3	LINE ACROSS	OPEN
CD2	CHIP DIODE	1N5239(9.1V 0.5W)	C6	LINE ACROSS	PCX2 337 474K AC275V
CD3	CHIP DIODE	1N5245(15V 0.5W)	C6	LINE ACROSS	436D 474K AC275V
CD4	CHIP DIODE	1N5246(16V 0.5W)	C6	LINE ACROSS	MPX 474K AC275V
CD5	CHIP DIODE	1N4148	C11	C-MYLAR	(PSU/SP) 800V 303J
CD6	CHIP DIODE	1N4148	C10	C-MYLAR	(TNU/MT) 630V 223J
CD7	CHIP DIODE	OPEN	IC3	PHOTO	PC-17K1 DB/ EL817(B)
CD8	CHIP DIODE	BAV99	IC4	COUPLER	PC-17K1 DB/ EL817(B)
CD9	CHIP DIODE	BAV99	LF1	LINE FILTER	LF-2424H (0.4Φ, 30mH)
CC1	CHIP CERA	50V 104J	LF2	LINE FILTER	LF-2424H (0.4Φ, 30mH)
CC2	CHIP CERA	50V 105J	Z1	VARISTOR	CNR10D471K/INR10D471
CC3	CHIP CERA	50V 104J	Z1	VARISTOR	SVC471D10A
CC4	CHIP CERA	50V 102J	C4	C-CERA	HCYE 2G 221M AD (-B 10)
CC5	CHIP CERA	OPEN	C5	C-CERA	SD E 2G 221M 10BK1
CC6	CHIP CERA	50V 102J	C28	C-CERA	CD E 2G 221M 10BK1
CC7	CHIP CERA	50V 223J	C29	C-CERA	CD E 2G 221M 10BK1
CC8	CHIP CERA	50V 102J	C27	C-CERA	OPEN
CC9	CHIP CERA	50V 105J	C22	C-CERA	HCYE 2G 102M AD (-B 10)
CC10	CHIP CERA	50V 104J	C22	C-CERA	SD E 2G 102M 10BK1/
CC11	CHIP CERA	50V 105J	C23	C-CERA	CD E 2G 102M 10BK1
CC13	CHIP CERA	16V 334J	T1	TRANS	FEL-32LP(EER3124)
CC14	CHIP CERA	50V 102J	T2	TRANS	FEL-32VM(EER3942)
CC15	CHIP CERA	50V 105J	T3	TRANS	FEL-25LS(EE2525)
CC16	CHIP CERA	50V 471J	T4	TRANS	FEL-16LC(EE1625)

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
CC17	CHIP CERA	50V 104J	T5	TRANS	FEL-17LD(EE1625)
CC18	CHIP CERA	50V 105J	RTH1	THERMISTOR	(DSC/NTC)3D-15
CC19	CHIP CERA	50V 104J	F1	FUSE	SVBR (50CT/55T) 5AH 250V
IC1	IC PFC	CM6807G	CN1	AC INLET	SS-7B
IC2	IC RESONANT	CM6900G	CN2	WAFER	SMW250-15
CQ1	CHIP TR	KST42MTF	CN5	WAFER	20010WS-12P / SW0500-12P
CQ2	CHIP TR	BC817-25	CN6	WAFER	20010WS-12P / SW0500-12P
CQ4	CHIP TR	BC817-25	CN7	WAFER	20010WS-14P / SW0500-14P
CQ5	CHIP TR	BC817-25	CN8	WAFER	20010WS-14P / SW0500-14P
CQ6	CHIP TR	BC817-25	D6	DIODE	MBRF20100CT/STPS20H100CFP
CQ7	CHIP TR	OPEN	D6	DIODE	FCH20U10
CQ11	CHIP TR	BC817-25	D6A	SCREW	3*10 NI
CQ13	CHIP TR	BC817-25	D11	DIODE	MBRF20100CT/STPS20H100CFP
CQ15	CHIP TR	BC817-25	D11	DIODE	FCH20U10
CQ3	CHIP TR	BC807-25	D11A	SCREW	3*10 NI
CQ8	CHIP TR	OPEN	D6,D11	HEAT SINK	HS-32V1(H25mm)
CQ9	CHIP TR	BC807-25	D3	DIODE	31DQ10
CQ12	CHIP TR	BC807-25	D7	DIODE	SF34
CQ14	CHIP TR	BC807-25	D9	DIODE	SF34
CQ16	CHIP FET	APM9946KC-TRL	PS1	RETA PCB	4853748800(PST-6-01):9.5mm
C9	C-ELECTRO	450V 150uF	C14	C-ELECTRO	25V 1000uF (10*20)
C10	C-ELECTRO	450V 150uF	C18	C-ELECTRO	35V 1000uF (12.5*20)
C11	C-ELECTRO	450V 150uF	C19	C-ELECTRO	35V 1000uF (12.5*20)
C12	C-ELECTRO	450V 150uF	A	SOLDER	BAR SOLDER, Sn:99.29%,

8-5-2) FEL-4247VN.

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
A	PCB	246x185mm CEM-1	C25	C-CERA	OPEN
J1~J48	JUMP WRIE	0.65mm SOLDER COATED	C32	C-CERA	OPEN
J5*	JUMP WRIE	0.65mm SOLDER COATED	C33	C-CERA	OPEN
J49	BEAD COIL	SAT-3550L/BFS3550	L3	CHOCK COIL	L-22(22uH)
LB1	BEAD COIL	SAT-3550L/BFS3550	L4	CHOCK COIL	L-22(22uH)
R1	R C COMPOSITION	1/2W 470K OHM J	F1A	FUSE CLIP	51F
R23	R C COMPOSITION	1/2W 10M OHM J	F1B	FUSE CLIP	51F
R4	R M OXIDE	2W 0.33 ohm J	CR1	R CHIP 3216	1/4W 2M ohm J
R5	R M OXIDE	OPEN	CR2	R CHIP 3216	1/4W 2M ohm J
R12	R M OXIDE	1W 120K OHM J	CR3	R CHIP 3216	1/4W 62K ohm J
R18	R M OXIDE	1W 470 OHM J	CR4	R CHIP 3216	1/4W 62K ohm J
R19	R M OXIDE	1W 1K OHM J	CR7	R CHIP 3216	1/4W 62K ohm J
R21	R M OXIDE	1W 3K OHM J	CR20	R CHIP 3216	1/4W 2.2M ohm J
R3	R CARBON FILM	1/4W 470K ohm J	CR21	R CHIP 3216	1/4W 2.2M ohm J
R9	R CARBON FILM	1/4W 1K ohm J	CR22	R CHIP 3216	1/4W 100K ohm J
R10	R CARBON FILM	1/4W 470K ohm J	CR9	R CHIP 2012	1/6W 110K ohm J
R11	R CARBON FILM	1/4W 22 ohm J	CR11	R CHIP 2012	1/6W 100K ohm J
R6	R CARBON FILM	1/4W 1.5K ohm J	CR23	R CHIP 2012	1/6W 1.5K ohm J
R7	R CARBON FILM	1/2W 6.8 ohm J	CR53	R CHIP 2012	1/6W 27K ohm J
R13	R CARBON FILM	1/4W 10 ohm J	CR18	R CHIP 2012	1/6W 22K ohm J
R8	R CARBON FILM	OPEN	CR12	R CHIP 2012	1/6W 1K ohm J
R14	R CARBON FILM	1/6W 1K ohm J	CR15	R CHIP 2012	1/6W 4.7K ohm J
R15	R CARBON FILM	1/4W 4.7 ohm J	CR28	R CHIP 2012	1/6W 620 ohm J
R16	R CARBON FILM	1/4W 4.7 ohm J	CR29	R CHIP 2012	1/6W 680 ohm J
R24	R CARBON FILM	1/6W 33 ohm J	CR30	R CHIP 2012	1/6W 10K ohm F (1%)
R20	R CARBON FILM	1/4W 22 ohm J	CR31	R CHIP 2012	1/6W 10K ohm F (1%)
R22	R CARBON FILM	1/4W 470 ohm J	CR34	R CHIP 2012	1/6W 1K ohm J
R2	R CARBON FILM	1/4W 47 ohm J	CR33	R CHIP 2012	1/6W 10K ohm J
D1	DIODE	1N4937	CR37	R CHIP 2012	1/6W 4.7K ohm J
D4	DIODE	1N4937	CR24	R CHIP 2012	1/6W 330 ohm J
D5	DIODE	UF4007	CR25	R CHIP 2012	1/6W 330 ohm J
D8	DIODE	1N4937	CR26	R CHIP 2012	1/6W 47K ohm J
C7	C-ELECTRO	25V 100uF (6.3*11)	CR27	R CHIP 2012	1/6W 47K ohm J
C8	C-ELECTRO	50V 22uF (5*11)	CR52	R CHIP 2012	1/6W 30K ohm J
C12	C-ELECTRO	50V 47uF (6.3*11)	CR10	R CHIP 2012	OPEN
C15	C-ELECTRO	25V 470uF (10*12.5)	CR35	R CHIP 2012	1/6W 1K ohm J
C17	C-ELECTRO	25V 470uF (10*12.5)	CR36	R CHIP 2012	1/6W 1K ohm J
C27	C-ELECTRO	50V 1uF (5*11)	CR5	R CHIP 2012	1/6W 24K ohm J
C24	C-ELECTRO	35V 470uF (10*16)	CR6	R CHIP 2012	1/6W 8.2K ohm J
C20	C-ELECTRO	25V 1000uF(10*20)	CR51	R CHIP 2012	1/6W 10K ohm J
C13	C-ELECTRO	50V 47uF (6.3*11)	CR45	R CHIP 2012	1/6W 5.6K ohm J
C21	C-ELECTRO	10V 470uF (6.3*11)	CR43	R CHIP 2012	1/6W 30K ohm J
IC5	SHUNT IC	TL431CTA/KA431LZTA	CR44	R CHIP 2012	1/6W 100K ohm J

Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
CR40	R CHIP 2012	1/6W 910 ohm F (1%)	CC12	CHIP CERA	50V 105J
CR46	R CHIP 2012	1/6W 5.6K ohm J	CC13	CHIP CERA	16V 334J
CR47	R CHIP 2012	1/6W 300K ohm J	CC18	CHIP CERA	50V 104J
CR48	R CHIP 2012	1/6W 300K ohm J	CC22	CHIP CERA	50V 105J
CR42	R CHIP 2012	1/6W 620 ohm J	CC20	CHIP CERA	50V 104J
CR54	R CHIP 2012	1/6W 10 ohm J	CC15	CHIP CERA	OPEN
CR49	R CHIP 2012	1/6W 100K ohm J	CC19	CHIP CERA	50V 104J
CR38	R CHIP 2012	1/6W 6.8K ohm J	CC11	CHIP CERA	50V 105J
CR39	R CHIP 2012	1/6W 200 ohm J	CC21	CHIP CERA	50V 104J
CR41	R CHIP 2012	1/6W 15K ohm J	IC1	IC PFC	CM6807
CR55	R CHIP 2012	1/6W 22K ohm J	IC2	IC RESONANT	CM6900G
CR8	R CHIP 2012	1/6W 47 ohm J	CQ1	CHIP TR	KST42MTF
CR56	R CHIP 2012	OPEN	CQ2	CHIP TR	BC817-25
CR57	R CHIP 2012	OPEN	CQ3	CHIP TR	BC807-25
CR58	R CHIP 2012	1/6W 47K ohm J	CQ4	CHIP TR	BC817-25
CR59	R CHIP 2012	1/6W 47K ohm J	CQ6	CHIP TR	BC817-25
CR60	R CHIP 2012	1/6W 10K ohm J	CQ15	CHIP TR	BC817-25
CR32	R CHIP 2012	1/6W 10 ohm J	CQ5	CHIP TR	BC817-25
CR61	R CHIP 2012	1/6W 22K ohm J	CQ11	CHIP TR	BC817-25
CJ1~5	R CHIP 2012	1/6W 0 ohm J	CQ12	CHIP TR	BC807-25
CD5	CHIP DIODE	1N4148	CQ13	CHIP TR	BC817-25
CD6	CHIP DIODE	1N4148	CQ14	CHIP TR	BC807-25
CD7	CHIP DIODE	1N4148	CQ7	CHIP TR	BC807-25
CD11	CHIP DIODE	OPEN	CQ8	CHIP TR	BC817-25
CD9	CHIP DIODE	OPEN	CQ9	CHIP TR	BC817-25
CD10	CHIP DIODE	OPEN	CQ10	CHIP TR	BC807-25
CD2	CHIP DIODE	1N5239(9.1V 0.5W)	CQ20	CHIP TR	BC807-25
CD3	CHIP DIODE	1N5245(15V 0.5W)	CQ18	CHIP TR	OPEN
CD4	CHIP DIODE	1N5246(16V 0.5W)	CQ19	CHIP TR	OPEN
CD8	CHIP DIODE	BAV99	CQ16	CHIP FET	APM9946KC-TRL
CD12	CHIP DIODE	BAV99	CQ17	CHIP FET	APM9946KC-TRL
CC1	CHIP CERA	50V 104J	BD1	BR DIODE	PBS 606G / SBR606K6
CC2	CHIP CERA	16V 105J	BD1-A	HEAT SINK	HS-46F2(H35mm)
CC3	CHIP CERA	50V 104J	BD1-B	SCREW	3*10 NI
CC4	CHIP CERA	50V 102J	Q1	FET	HFS12N60S
CC6	CHIP CERA	50V 102J	Q1A	SCREW	3*10 NI
CC16	CHIP CERA	50V 471J	Q2	FET	OPEN
CC17	CHIP CERA	50V 104J	D2	DIODE	SFAF808G /FSU10B60
CC5	CHIP CERA	OPEN	D2A	SCREW	3*10 NI
CC14	CHIP CERA	50V 102J	Q1,D2	HEAT SINK	HS-42V1(H35mm)
CC9	CHIP CERA	50V 105J	Q3	FET	HFS12N60S/SPTS13NK60ZFP
CC7	CHIP CERA	50V 223J	Q3A	SCREW	3*10 NI
CC8	CHIP CERA	50V 102J	Q4	FET	HFS12N60S/SPTS13NK60ZFP

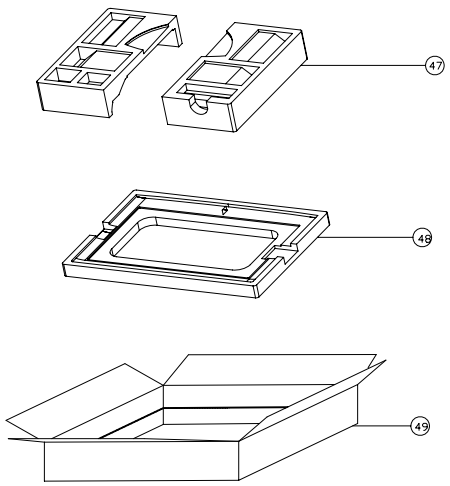
Loc.	Part Name	Part Description	Loc.	Part Name	Part Description
CC10	CHIP CERA	50V 104J	Q4A	SCREW	3*10 NI
Q3,Q4	HEAT SINK	HS-42F1(H35mm)	C5	C-CERA	OPEN
Q5	FET	HFS2N65S (2A 650V)	C31	C-CERA	OPEN
Q6	FET	IPP26CN10NG/CEP60N10	C23	C-CERA	HCYE 2G 102M AD (-B 10)/ SD E 2G 102M 10BK1/ CD E 2G 102M 10BK1
Q6A	SCREW	3*10 NI	C26	C-CERA	
Q6B	IN-SHEET	TO - 220 (13*18*0.45T)	T1	TRANS	FEL-32LP(EER3124)
Q6C	INSULATION BUSHING	INSULATION BUSHING(3 ¢)	T2	TRANS	FEL-42LM(EER4950)
Q7	FET	IPP26CN10NG/CEP60N10	T3	TRANS	FEL-25LS(EE2525)
Q7A	SCREW	3*10 NI	T4	TRANS	FEL-16LC(EE1625)
Q7B	IN-SHEET	TO - 220 (13*18*0.45T)	T5	TRANS	FEL-17LD(EE1625)
Q7C	INSULATION BUSHING	INSULATION BUSHING(3 ¢)	RTH1	THERMISTOR	(DSC/NTC)3D-15
Q6,Q7	HEAT SINK	HS-42F1(H35mm)	RTH2	THERMISTOR	OPEN
C1	LINE ACROSS	PCX2 337 224K AC275V/ 436D 224K AC275V/ MPX 224K AC275V/	F1	FUSE	SVBR (50CT/55T) 6.3AH 250V
C6	LINE ACROSS	PCX2 337 105K AC275V/	CN1	AC INLET	SS-7B
	LINE ACROSS	436D 105K AC275V/	CN2	WAFER	SMW250-15
	LINE ACROSS	MPX 105K AC275V/	CN3	WAFER	20010WS-14P / SW0500-14P
C11	C-MYLAR	(PSU/SP) 800V 303J	CN4	WAFER	20010WS-12P / SW0500-12P
C10	C-MYLAR	(TNU/MT) 630V 223J	D3	DIODE	31DQ10
IC3	PHOTO COUPLER	PC17K1-DB/ EL817(B)	PS1	RETA PCB	OPEN
IC4		PC17K1-DB/ EL817(B)	C19	C ELECTRO	35V 1000uF(12.5*20)
LF1	LINE FILTER	B62-FTR2022 (0.7Φ 22mH)	C22	C ELECTRO	35V 1000uF (12.5*20)
LF2		B62-FTR2022 (0.7Φ 22mH)	C14	C ELECTRO	25V 1000uF (10*20)
C9	C-ELECTRO	450V 180uF (35*25/30)	C16	C ELECTRO	25V 1000uF (10*20)
Z1	VARISTOR	CNR10D471K/INR10D471/ SVC471D10A	C18	C ELECTRO	35V 2200uF (16*25)
C4	C-CERA	HCYE 2G 471M AD (-B 10)/ SD E 2G 471M 10BK1 / CD E 2G 471M 10BK1			

REV	LIST OF MODIFICATION	REASON OF MODIFICATION	DATE	NAME	APPR
1					
2					

9. Mechanical Assembly Drawing.

9-1. Model : 32L1.

>>> PACKING ASS'Y <<<



>>> STAND ASS'Y <<<

NO	PART CODE	PART NAME	Q'ty	MATERIAL	REMARKS
49	4858075400	BOX CARTON	1	DW-4 32L2	
48	485819EA00	PAD	1	EPS DOWN	
47	485819EA00	PAD	1	EPS UPPER	
46	7172401252	SCREW TAPPTITE	4	TT2 TRS 4X12 MFZN BK 3CR	
45	7115401051	SCREW TAPPING	6	FLT 4X10 MFZN 3CR	
44	4852937500	RUBBER BOTTOM	6	CR60 BK PHI 18.0 X T 3.0	
43	4855219100	PLATE BASE STAND	1	SECC T2.0	
42	4852182401	COVER STAND BASE	1	ABS+PMMA BK	
41	4852182501	COVER FRAME STAND	1	ABS+PMMA BK	
40	4853833601	FRAME STAND	1	ABS BK	
39	7008300852	SCREW MACHINE	2	WAS 3X8 MFZN BK 3CR	
38	4856819300	CLAMP WIRE	1	NYLON 66	
37	7172401252	SCREW TAPPTITE	14	TT2 TRS 4X12 MFZN BK 3CR	
36	4852182301	COVER BACK	1	ABS(HG) BK	
35	7172401252	SCREW TAPPTITE	4	TT2 TRS 4X12 MFZN BK 3CR	
34	4853833101	FRAME WALLKIT	2	ABS BK	
33	7178300851	SCREW TAPPTITE	2	TT2 WAS 3X8 MFZN 3CR	
32	4851960700	SHIELD CASE AS	1	7257201+5950501	
31	7178300851	SCREW TAPPTITE	4	TT2 WAS 3X8 MFZN 3CR	
30		PCB MAIN			
29	4853748800	RETA PCB	2	NYLON 66	
28	7178300851	SCREW TAPTITE	4	TT2 WAS 3X8 MFZN 3CR	
27		PCB POWER			
26	7178300851	SCREW TAPPTITE	4	TT2 WAS 3X8 MFZN 3CR	
25	4853835100	FRAME SUPPORT R	2	SECC T1.0	
24	7178300851	SCREW TAPPTITE	1	TT2 WAS 3X8 MFZN 3CR	
23	4853835200	FRAME SUPPORT L	1	SECC T1.0	
22	7172401252	SCREW TAPTITE	1	TT2 TRS 4X12 MFZN BK 3CR	
21	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
20	4853834900	FRAME SIDE T	1	SECC T1.0	
19	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
18	7172401252	SCREW TAPTITE	4	TT2 TRS 4X12 MFZN BK 3CR	
17	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
16	4853835000	FRAME SIDE B	1	SECC T1.0	
15		LCD PANEL			
14		PCB SIDE AV			
13	4852335401	PANEL AV	1	HIPS BK	
12	4855950800	DECO AV	1	PVC T0.3(A-1 : SL-S00T)	
11	4855949600	DECO LED	1	GPPS	
10	4855558711	DECO SENSOR	1	GPPS GY	
9		PCB IR			
8	48A8324210	SPEAKER SYSTEM	2	SS-57165F04CL	
7	7178300852	SCREW TAPPTITE	2	TT2 BIN 3X8 MFZN BK 3CR	
6		PCB CTRL			
5	4854965801	BUTTON CH	1	ABS BK	
4	4853299501	BRKT BUTTON	1	ABS(HG) BK	
3	4852099001	MASK FRONT	1	ABS+PMMA BK	
2	4855949701	DECO	1	ABS BK	
1	4855626900	MARK BRAND	1	SILVER DIA-CUTTINGLEG #12 L=7.5)	

UNITS	mm	Designed by	Checked by	Inspected by	Approved by	PART NAME
SCALE	N/S	KIM.G.S 2008.05.30	KIM.G.S 2008.05.30			DEVELOPMENT DWG(1/1)

DAEWOO ELECTRONICS Corp.
Mechanical Design Team, DISPLAY R & D

MODEL	LT32L1	D/N	485009XU
CHASSIS	SL-S00A		

A0(1189mm X 841mm)

REV	LIST OF MODIFICATION	REASON OF MODIFICATION	DATE	NAME	APPR
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2					

9-2. Model : 32L2.

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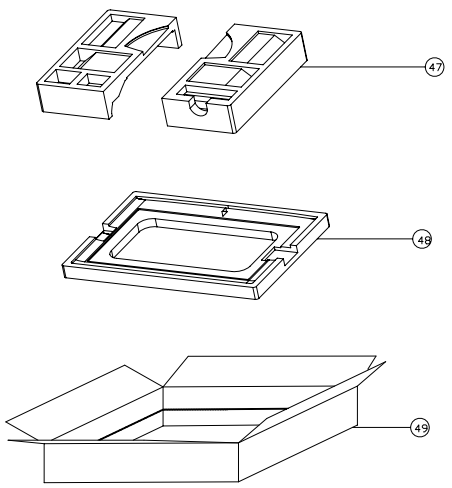
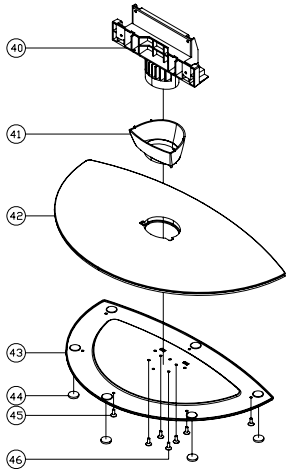


>>> STAND ASS'Y <<<



49	4858075300	BOX CARTON	1	DW-4 32L2	
48	485819EC00	PAD	1	EPS DOWN	
47	485819EC00	PAD	1	EPS UPPER	
46	7172401252	SCREW TAPPTITE	4	TT2 TRS 4X12 MFZN BK 3CR	
45	7115401051	SCREW TAPPING	6	FLT 4X10 MFZN 3CR	
44	4852937500	RUBBER BOTTOM	6	CR60 BK PHI 18.0 X T 3.0	
43	4855219100	PLATE BASE STAND	1	SECC T2.0	
42	4852182401	COVER STAND BASE	1	ABS+PMMA BK	
41	4852182501	COVER FRAME STAND	1	ABS+PMMA BK	
40	4853833601	FRAME STAND	1	ABS BK	
39	7008300852	SCREW MACHINE	2	WAS 3X8 MFZN BK 3CR	
38	4856819300	CLAMP WIRE	1	NYLON 66	
37	7172401252	SCREW TAPPTITE	14	TT2 TRS 4X12 MFZN BK 3CR	
36	4852182001	COVER BACK	1	ABS(HG) BK	
35	7172401252	SCREW TAPPTITE	4	TT2 TRS 4X12 MFZN BK 3CR	
34	4853833101	FRAME WALLKIT	2	ABS BK	
33	7178300851	SCREW TAPPTITE	2	TT2 WAS 3X8 MFZN 3CR	
32	4851960701	SHIELD CASE AS	1	7257201+5950501	
31	7178300851	SCREW TAPPTITE	4	TT2 WAS 3X8 MFZN 3CR	
30		PCB MAIN			
29	4853748800	RETA PCB	1	NYLON 66	
28	7178300851	SCREW TAPTITE	4	TT2 WAS 3X8 MFZN 3CR	
27		PCB POWER			
26	7178300851	SCREW TAPPTITE	4	TT2 WAS 3X8 MFZN 3CR	
25	4853835100	FRAME SUPPORT R	2	SECC T1.0	
24	7178300851	SCREW TAPPTITE	1	TT2 WAS 3X8 MFZN 3CR	
23	4853835200	FRAME SUPPORT L	1	SECC T1.0	
22	7172401252	SCREW TAPTITE	1	TT2 TRS 4X12 MFZN BK 3CR	
21	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
20	4853834900	FRAME SIDE T	1	SECC T1.0	
19	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
18	7172401252	SCREW TAPTITE	4	TT2 TRS 4X12 MFZN BK 3CR	
17	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
16	4853835000	FRAME SIDE B	1	SECC T1.0	
15		LCD PANEL			
14		PCB SIDE AV			
13	4852335401	PANEL AV	1	HIPS BK	
12	4855950801	DECO AV	1	PVC T0.3(A-1 : SL-S00T)	
11	4855950400	DECO LED	1	GPPS	
10	4855558811	DECO SENSOR	1	GPPS GY	
9		PCB IR			
8	48A8324210	SPEAKER SYSTEM	2	SS-57165F04CL	
7	7173300852	SCREW TAPPTITE	2	TT2 BIN 3X8 MFZN BK 3CR	
6		PCB CTRL			
5	4854965801	BUTTON CH	1	ABS BK	
4	4853299501	BRKT BUTTON	1	ABS(HG) BK	
3	4852098701	MASK FRONT	1	ABS+PMMA BK	
2	4855949301	DECO PLATE	1	ABS BK	
1	4855626900	MARK BRAND	1	SILVER DIA-CUTTINGLEG #6.2 L=7.5)	
NO	PART CODE	PART NAME	Q'ty	MATERIAL	REMARKS

UNITS	mm	Designed by	Checked by	Inspected by	Approved by
		KIM.G.S	KIM.G.S		
SCALE	N/S	2008.05.30	2008.05.30		

PART NAME

DEVELOPMENT DWG(1/1)

DAEWOO ELECTRONICS Corp.
Mechanical Design Team, DISPLAY R & D

MODEL	LT32L2BSLM
CHASSIS	SL-S00T
D/N	485009Y0

A0(1189mm X 841mm)

REV	LIST OF MODIFICATION	REASON OF MODIFICATION	DATE	NAME	APPR
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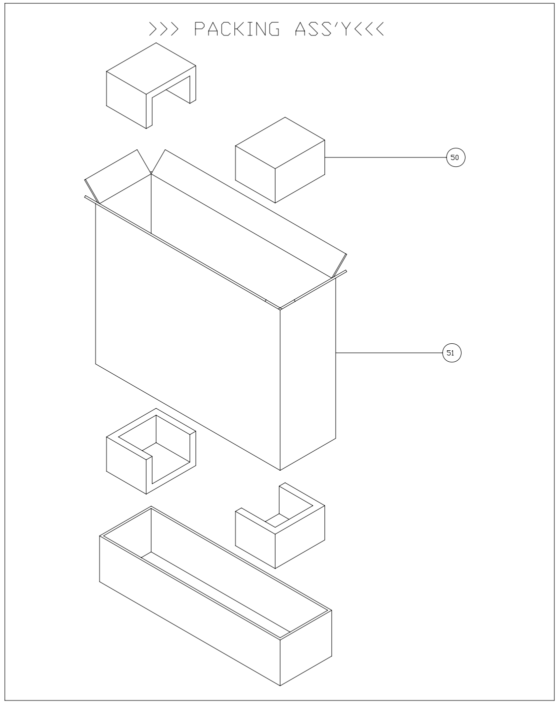
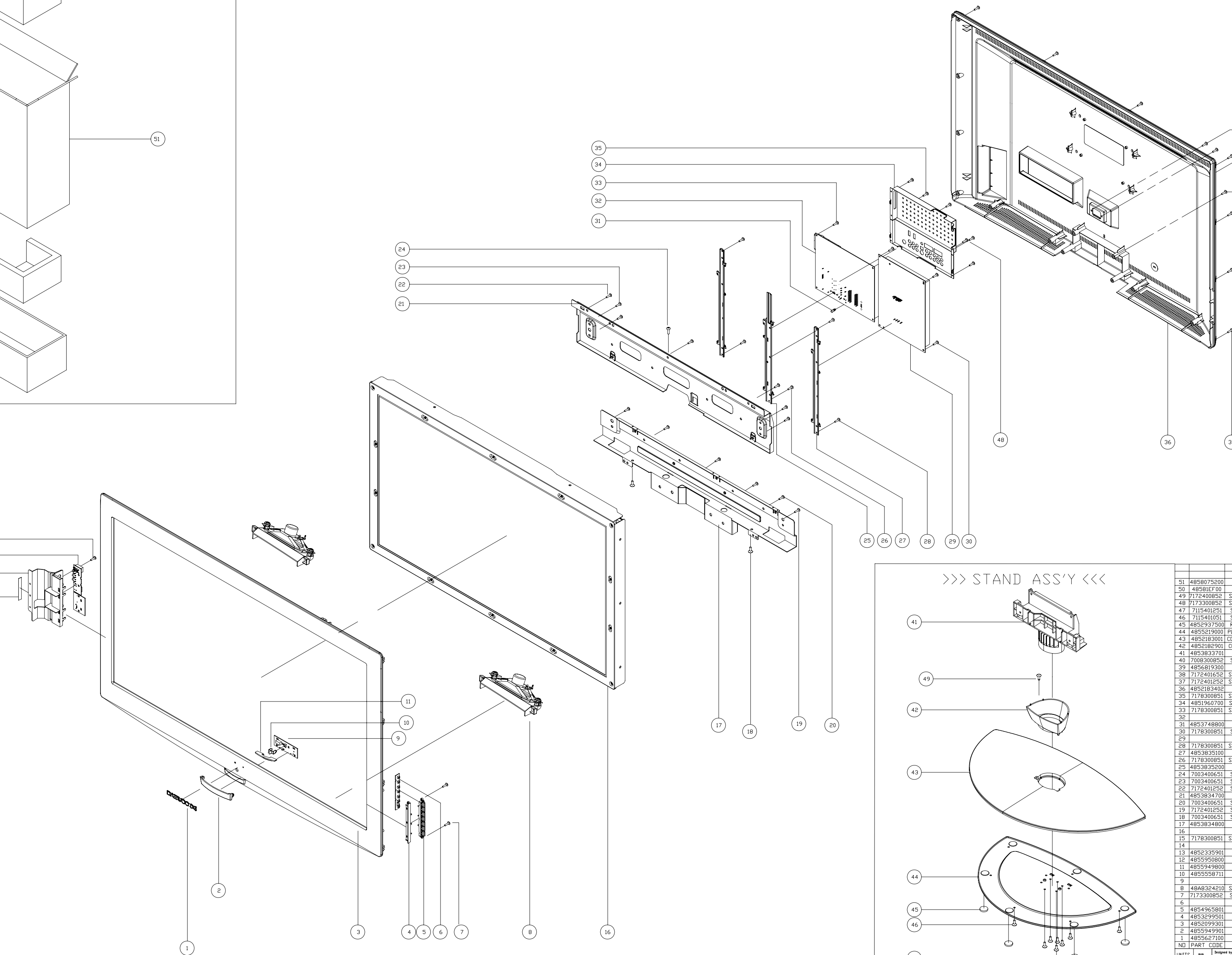
2					

9-3. Model : 37L1.





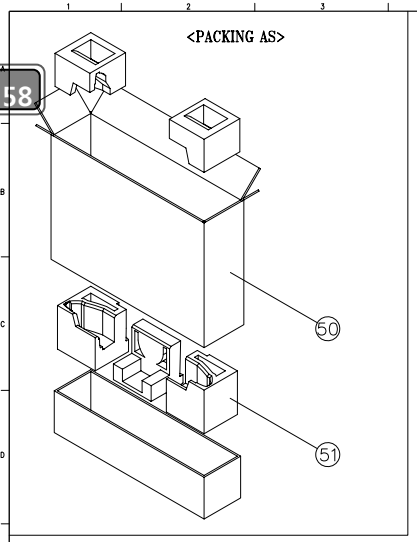
51	4858075200	BOX CARTON	1	DW-4 37L1	
50	48581EF00	PAD	1	EPS	
49	7172400852	SCREW TAPTITE	1	TT2 TRS 4X8 MFZN BK 3CR	
48	7173300852	SCREW TAPTITE	1	TT2 BIN 3X8 MFZN BK 3CR	
47	7115401251	SCREW TAPPING	5	FLT 4X12 MFZN 3CR	
46	7115401051	SCREW TAPPING	6	FLT 4X10 MFZN 3CR	
45	4852937500	RUBBER BOTTOM	6	CR60 BK PHI 18.0 X T 3.0	
44	4855219000	PLATE BASE STAND	1	SECC T2.0	
43	4852183001	COVER STAND BASE	1	ABS+PMMA BK	
42	4852182901	COVER FRAME STAND	1	ABS+PMMA BK	
41	4853833701	FRAME STAND	1	ABS BK	
40	7008300852	SCREW MACHINE	2	WAS 3X8 MFZN BK 3CR	
39	4856819300	CLAMP WIRE	1	NYLON 66	
38	7172401652	SCREW TAPPTITE	4	TT2 TRS 4X16 MFZN BK 3CR	
37	7172401252	SCREW TAPPTITE	14	TT2 TRS 4X12 MFZN BK 3CR	
36	4852183402	COVER BACK	1	FR HIPS BK	
35	7178300851	SCREW TAPPTITE	5	TT2 WAS 3X8 MFZN 3CR	
34	4851960700	SHIELD CASE AS	1	7257200+5951800	
33	7178300851	SCREW TAPPTITE	4	TT2 WAS 3X8 MFZN 3CR	
32		PCB MAIN			
31	4853748800	RETA PCB	1	NYLON 66	
30	7178300851	SCREW TAPTITE	4	TT2 WAS 3X8 MFZN 3CR	
29		PCB POWER			
28	7178300851	SCREW TAPPTITE	4	TT2 WAS 3X8 MFZN 3CR	
27	4853835100	FRAME SIDE R	2	SECC T1.0	
26	7178300851	SCREW TAPPTITE	1	TT2 WAS 3X8 MFZN 3CR	
25	4853835200	FRAME SIDE L	1	SECC T1.0	
24	7003400651	SCREW MACHINE	1	BIN 4X6 MFZN 3CR	
23	7003400651	SCREW MACHINE	4	BIN 4X6 MFZN 3CR	
22	7172401252	SCREW TAPTITE	3	TT2 TRS 4X12 MFZN BK 3CR	
21	4853834700	FRAME SIDE T	1	SECC T1.2	
20	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
19	7172401252	SCREW TAPTITE	4	TT2 TRS 4X12 MFZN BK 3CR	
18	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
17	4853834800	FRAME SIDE B	1	SECC T1.2	
16		LCD PANEL			
15	7178300851	SCREW TAPPTITE	1	TT2 WAS 3X8 MFZN 3CR	
14		PCB SIDE AV			
13	4852335901	PANEL AV	1	HIPS BK	
12	4855950800	DECO AV	1	PVC T0.3(A-0 : SL-S00A)	
11	4855949800	DECO LED	1	GPPS	
10	4855558711	DECO SENSOR	1	GPPS GY	
9		PCB IR			
8	48A8324210	SPEAKER SYSTEM	2	SS-57165F04CL	
7	7173300852	SCREW TAPTITE	2	TT2 BIN 3X8 MFZN BK 3CR	
6		PCB CTRL			
5	4854965801	BUTTON CH	1	ABS BK	
4	4853299501	BRKT BUTTON	1	ABS BK	
3	4852099301	MASK FRONT	1	ABS+PMMA BK	
2	4855949901	DECO	1	ABS BK	
1	4855627100	MARK BRAND	1	SILVER DIA-CUTTING(LEG Ø1.2 L=7.5)	
NO	PART CODE	PART NAME	Q'ty	MATERIAL	REMARKS

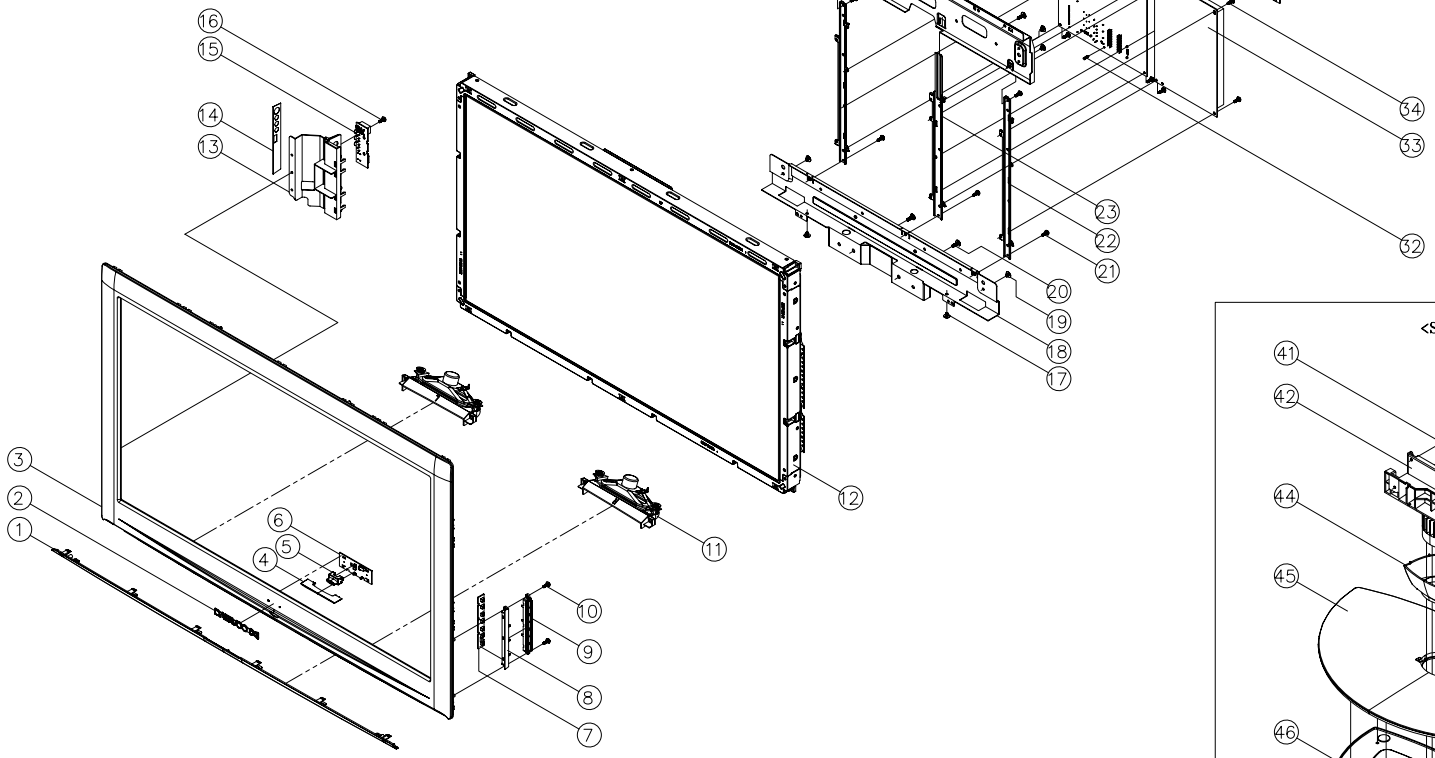
UNITS	mm	Designed by	Checked by	Inspected by	Approved by	PART NAME
SCALE	0.250	Y.W.KANG 2008.06.04			SEO BYUNG WOOK	DEVELOPMENT DWG(1/1)

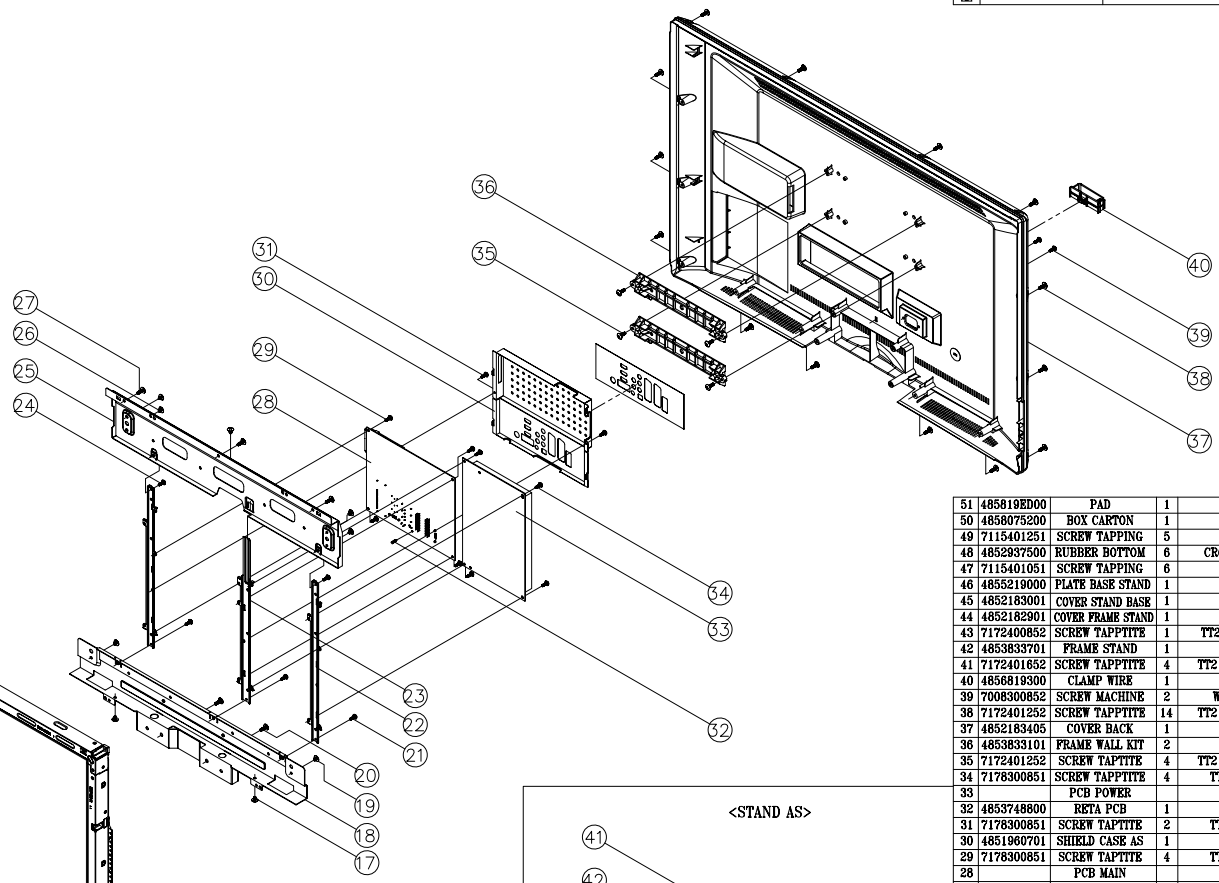
DAEWOO ELECTRONICS Corp. Display Research 5 Team, Digital Media R & D	MODEL	LA37L1B1LM	D/N	485009XX
	CHASSIS	SL-S00A		

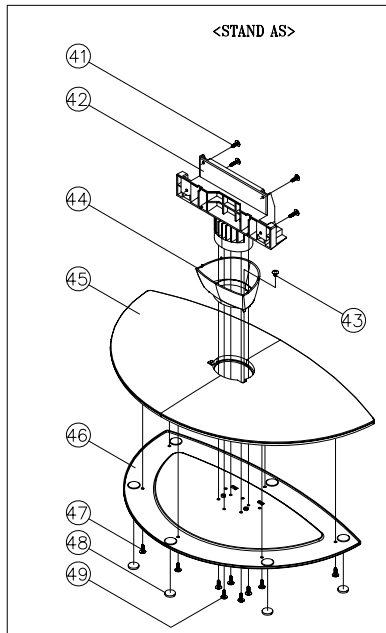
A0(1189mm X 841mm)

9-4. Model : 37L2.









REV	LIST OF MODIFICATION	REASON OF MODIFICATION	DATE	NAME	APPR.
⚠					
⚠					

No.	PART CODE	PART NAME	Q'TY	MATERIAL	REMARKS
51	485819ED00	PAD	1	EPS	
50	4856075200	BOX CARTON	1	DW-4 37L1	
49	7115401251	SCREW TAPPING	5	FLT 4X12 MFZN 3CR	
48	4852937500	RUBBER BOTTOM	6	CR60 BK PHI 18.0 X T 3.0	
47	7115401051	SCREW TAPPING	6	FLT 4X10 MFZN 3CR	
46	4855219000	PLATE BASE STAND	1	SECC T2.0	
45	4852183001	COVER STAND BASE	1	ABS+PMMA BK	
44	4852182901	COVER FRAME STAND	1	ABS+PMMA BK	
43	7172400852	SCREW TAPPTITE	1	TT2 TRS 4X8 MFZN BK 3CR	
42	4853833701	FRAME STAND	1	ABS BK	
41	7172401652	SCREW TAPPTITE	4	TT2 TRS 4X16 MFZN BK 3CR	
40	4856819300	CLAMP WIRE	1	NYLON 66	
39	7008300852	SCREW MACHINE	2	WAS 3X8 MFZN BK 3CR	
38	7172401252	SCREW TAPPTITE	14	TT2 TRS 4X12 MFZN BK 3CR	
37	4852183405	COVER BACK	1	FR PC+ABS	
36	4853833101	FRAME WALL KIT	2	ABS BK	
35	7172401252	SCREW TAPTITE	4	TT2 TRS 4X12 MFZN BK 3CR	
34	7178300851	SCREW TAPPTITE	4	TT2 WAS 3X8 MFZN 3CR	
33		PCB POWER			
32	4853748800	RETA PCB	1	NYLON 66	
31	7178300851	SCREW TAPTITE	2	TT2 WAS 3X8 MFZN 3CR	
30	4851960701	SHIELD CASE AS	1	7257201+5951801	
29	7178300851	SCREW TAPTITE	4	TT2 WAS 3X8 MFZN 3CR	
28		PCB MAIN			
27	7172401252	SCREW TAPTITE	3	TT2 TRS 4X12 MFZN BK 3CR	
26	7003400651	SCREW MACHINE	5	BIN 4X8 MFZN 3CR	
25	4853834700	FRAME SIDE T	1	SECC T1.2	
24	7178300851	SCREW TAPPTITE	2	TT2 WAS 3X8 MFZN 3CR	
23	4853835200	FRAME SIDE L	1	SECC T1.0	
22	4853835100	FRAME SIDE R	2	SECC T1.0	
21	7178300851	SCREW TAPPTITE	3	TT2 WAS 3X8 MFZN 3CR	
20	7172401252	SCREW TAPTITE	2	TT2 TRS 4X12 MFZN BK 3CR	
19	7003400651	SCREW MACHINE	2	BIN 4X8 MFZN 3CR	
18	4853834800	FRAME SIDE B	1	SECC T1.2	
17	7003400651	SCREW MACHINE	2	BIN 4X8 MFZN 3CR	
16	7178300851	SCREW TAPPTITE	1	TT2 WAS 3X8 MFZN 3CR	
15		PCB SIDE AV			
14	4855950800	DECO AV	1	PVC T0.3(A-0 : SL-S00A)	
13	4852335901	PANEL AV	1	HIPS BK	
12		LCD PANEL			
11	48A8324210	SPEAKER SYSTEM	2	SS-57165F04CL	
10	7173300852	SCREW TAPTITE	2	TT2 BIN 3X8 MFZN BK 3CR	
9	4854965801	BUTTON CH	1	ABS BK	
8	4853299501	BRKT BUTTON	1	ABS(HG) BK	
7		PCB CTRL			
6		PCB IR			
5	4855558811	DECO SENSOR	1	GPPS GY	
4	4855950600	DECO LED	1	GPPS	
3	4852098801	MASK FRONT	1	ABS+PMMA BK	
2	4855627100	MARK BRAND	1	SILVER DIA-CUTTING(LEG ø1.2 L=7.5)	
1	4855949401	DECO PLATE	1	ABS GY	

UNITS	mm	DESIGNED BY	CHECKED BY	INSPECTED BY	APPROVED BY	PART NAME	PAGE OF MARKING
SCALE	N/S	S.M.LEE				DEVELOPMENT DWG	1 OF 1
		08.07.04					

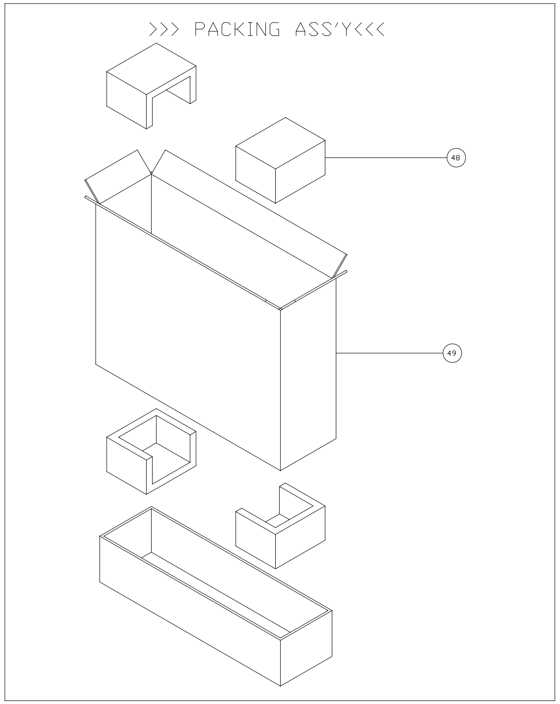
DAEWOO ELECTRONICS Corp.
Mechanical Design Team, DIGITAL MEDIA R & D

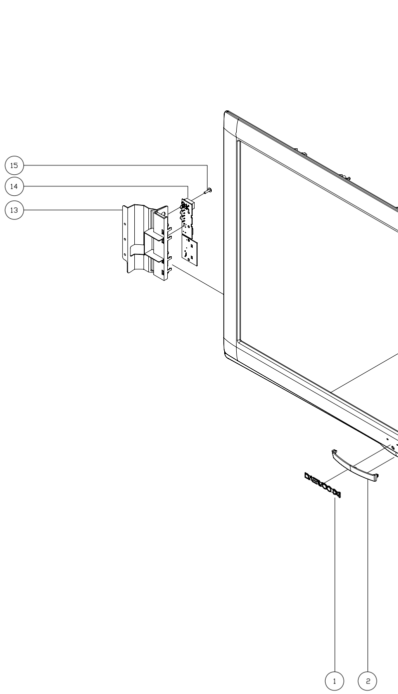
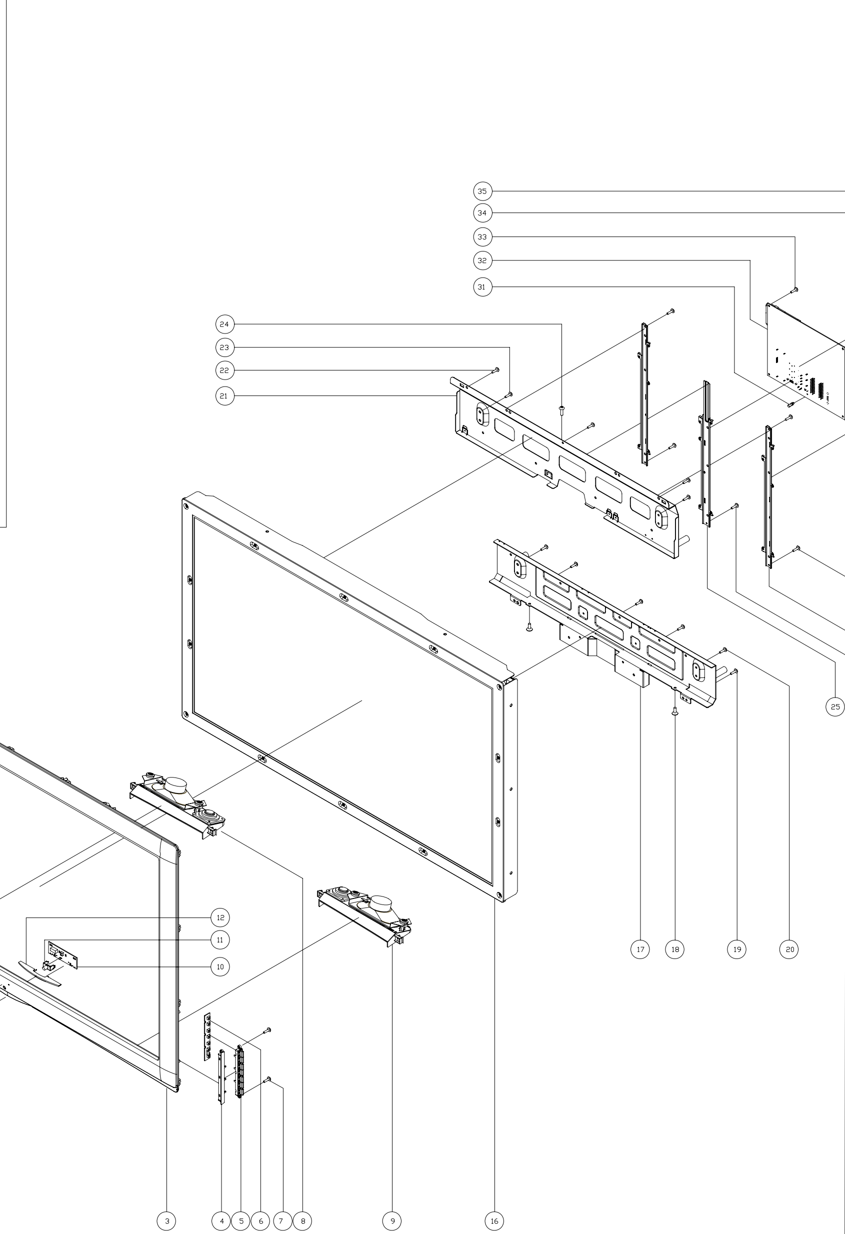
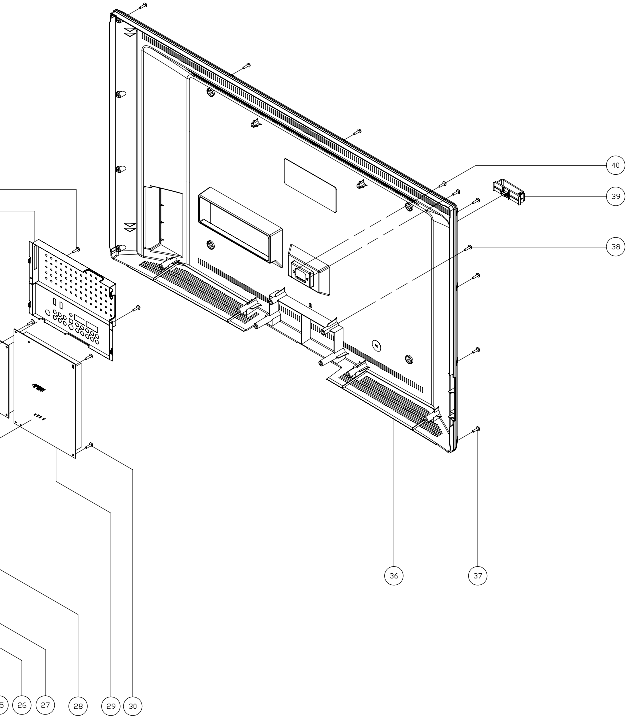
MODEL NAME	37L2	D/N	485009XQ
CHASSIS	SL-S00T		

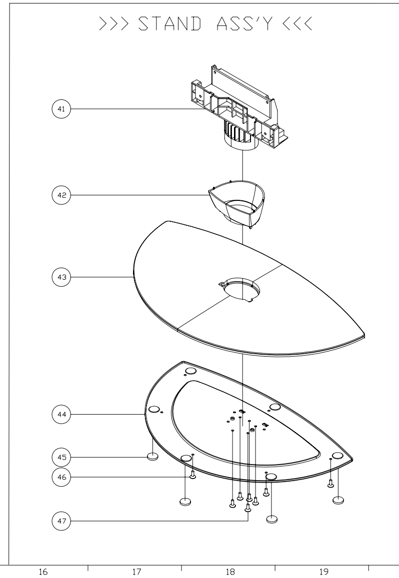
A1(841X594)

REV	LIST OF MODIFICATION	REASON OF MODIFICATION	DATE	NAME	APPR
△					
△					

9-5. Model : 42L1.





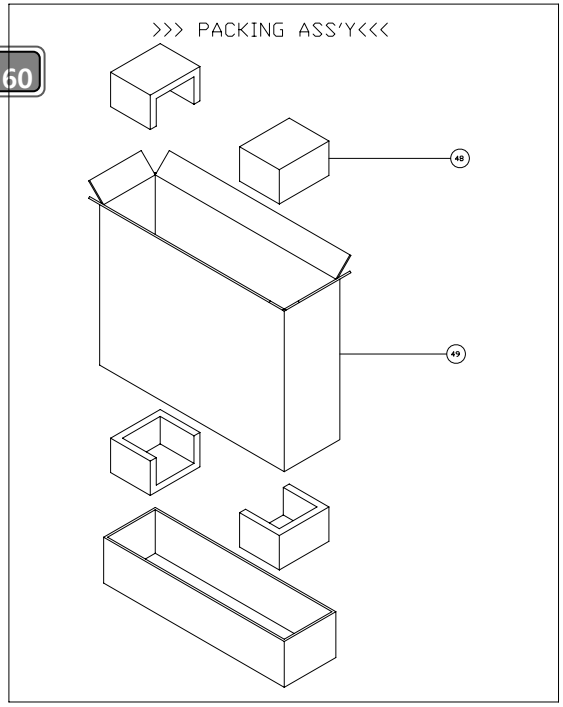
NO	PART CODE	PART NAME	Q'ty	MATERIAL	REMARKS
50					
49	4858075100	BOX CARTON	1	DW-4 42L1	
48	485819EB00	PAD	1	EPS	
47	7115401251	SCREW TAPPING	5	FLT 4X12 MFZN 3CR	
46	7115401051	SCREW TAPPING	6	FLT 4X10 MFZN 3CR	
45	4852937500	RUBBER BOTTOM	6	CR60 BK PHI 18.0 X T 3.0	
44	4855219000	PLATE BASE STAND	1	SECC T2.0	
43	4852183001	COVER STAND BASE	1	ABS+PMMA BK	
42	4852182901	COVER FRAME STAND	1	ABS+PMMA BK	
41	4853833701	FRAME STAND	1	ABS BK	
40	7008300852	SCREW MACHINE	2	WAS 3X8 MFZN BK 3CR	
39	4856819300	CLAMP WIRE	1	NYLON 66	
38	7172401652	SCREW TAPPTITE	4	TT2 TRS 4X16 MFZN BK 3CR	
37	7172401252	SCREW TAPPTITE	14	TT2 TRS 4X12 MFZN BK 3CR	
36	4852182705	COVER BACK	1	FR PC+ABS BK	
35	7173300852	SCREW TAPPTITE	2	TT2 BIN 3X8 MFZN BK 3CR	
34	4851960700	SHIELD CASE AS	1	7257200+5951800	
33	7178300851	SCREW TAPPTITE	4	TT2 WAS 3X8 MFZN 3CR	
32		PCB MAIN			
31	4853748800	RETA PCB	1	NYLON 66	
30	7178300851	SCREW TAPTITE	4	TT2 WAS 3X8 MFZN 3CR	
29		PCB POWER			
28	7178300851	SCREW TAPPTITE	4	TT2 WAS 3X8 MFZN 3CR	
27	4853835100	FRAME SIDE R	2	SECC T1.0	
26	7178300851	SCREW TAPPTITE	1	TT2 WAS 3X8 MFZN 3CR	
25	4853835200	FRAME SIDE L	1	SECC T1.0	
24	7003400651	SCREW MACHINE	1	BIN 4X6 MFZN 3CR	
23	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
22	7172401252	SCREW TAPTITE	3	TT2 TRS 4X12 MFZN BK 3CR	
21	4853835300	FRAME SIDE T	1	SECC T1.2	
20	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
19	7172401252	SCREW TAPTITE	4	TT2 TRS 4X12 MFZN BK 3CR	
18	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
17	4853835400	FRAME SIDE B	1	SECC T1.6	
16		LCD PANEL			
15	7173300852	SCREW TAPPTITE	1	TT2 BIN 3X8 MFZN BK 3CR	
14		PCB SIDE AV			
13	4851117600	PANEL AV AS	1	2335501+5950800	
12	4855949800	DECO LED	1	GPPS	
11	4855558711	DECO SENSOR	1	GPPS GY	
10		PCB IR			
9	48A8324200	SPEAKER SYSTEM	1	SS-57165F04CR	
8	48A8324210	SPEAKER SYSTEM	1	SS-57165F04CL	
7	7173300852	SCREW TAPPTITE	2	TT2 BIN 3X8 MFZN BK 3CR	
6		PCB CTRL			
5	4854965801	BUTTON CH	1	ABS BK	
4	4853299501	BRKT BUTTON	1	ABS(HG) BK	
3	4852099101	MASK FRONT	1	ABS+PMMA BK	
2	4855949901	DECO	1	ABS BK	
1	4855627100	MARK BRAND	1	SILVER DIA-CUTTING(LEG Ø1.2 L=7.5)	

UNITS	mm	Designed by	Checked by	Inspected by	Approved by	PART NAME
SCALE	0.250	H.S.LEE 2008.06.18			SEO BYUNG WOOK	DEVELOPMENT DWG(1/1)

DAEWOO ELECTRONICS Corp. Mechanical Design Team, DISPLAY R & D	MODEL	LA42L1B1LM	D/N 485009XY
	CHASSIS	SL-S01A	

A0(1189mm X 841mm)

9-6. Model : 42L2.



REV	LIST OF MODIFICATION	REASON OF MODIFICATION	DATE	NAME	APPR
1					
2					

NO	PART CODE	PART NAME	Q'TY	MATERIAL	REMARKS
49	4858075100	BOX CARTON	1	DV-4 42L1	
48	4858192100	PAD	1	EPS	
47	7115401251	SCREW TAPPING	5	FLT 4X12 MFZN 3CR	
46	7115401051	SCREW TAPPING	6	FLT 4X10 MFZN 3CR	
45	4852937500	RUBBER BOTTOM	6	CR60 BK PHI 18.0 X T 3.0	
44	4855219000	PLATE BASE STAND	1	SECC T2.0	
43	4852183001	COVER STAND BASE	1	ABS+PMMA BK	
42	4852182901	COVER FRAME STAND	1	ABS+PMMA BK	
41	4853833701	FRAME STAND	1	ABS BK	
40	7008300852	SCREW MACHINE	2	WAS 3X8 MFZN BK 3CR	
39	4856819300	CLAMP WIRE	1	NYLON 66	
38	7172401652	SCREW TAPPTITE	4	TT2 TRS 4X16 MFZN BK 3CR	
37	7172401252	SCREW TAPPTITE	14	TT2 TRS 4X12 MFZN BK 3CR	
36	4852182201	COVER BACK	1	ABSHG BK	
35	7178300851	SCREW TAPPTITE	2	TT2 WAS 3X8 MFZN 3CR	
34	4851960701	SHIELD CASE AS	1	P257201+5950501	
33	7178300851	SCREW TAPPTITE	4	TT2 WAS 3X8 MFZN 3CR	
32		PCB MAIN			
31	4853748800	RETA PCB	1	NYLON 66	
30	7178300851	SCREW TAPTITE	4	TT2 WAS 3X8 MFZN 3CR	
29		PCB POWER			
28	7178300851	SCREW TAPPTITE	4	TT2 WAS 3X8 MFZN 3CR	
27	4853835100	FRAME SIDE R	2	SECC T1.0	
26	7178300851	SCREW TAPPTITE	1	TT2 WAS 3X8 MFZN 3CR	
25	4853835200	FRAME SIDE L	1	SECC T1.0	
24	7003400651	SCREW MACHINE	1	BIN 4X6 MFZN 3CR	
23	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
22	7172401252	SCREW TAPTITE	3	TT2 TRS 4X12 MFZN BK 3CR	
21	4853835300	FRAME SIDE T	1	SECC T1.2	
20	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
19	7172401252	SCREW TAPTITE	4	TT2 TRS 4X12 MFZN BK 3CR	
18	7003400651	SCREW MACHINE	2	BIN 4X6 MFZN 3CR	
17	7178301251	FRAME SIDE B	1	SECC T1.6	
16		LCD PANEL			
15	7178300851	SCREW TAPPTITE	1	TT2 WAS 3X8 MFZN 3CR	
14		PCB SIDE AV			
13	4851117601	PANEL AV AS	1	2335501+5950801	
12	4855950600	DECO LED	1	GPPS	
11	4855558811	DECO SENSOR	1	GPPS GY	
10		PCB IR			
9	48A8324200	SPEAKER SYSTEM	1	SS-57165F04CR	
8	48A8324210	SPEAKER SYSTEM	1	SS-57165F04CL	
7	7173300852	SCREW TAPPTITE	2	TT2 BIN 3X8 MFZN BK 3CR	
6		PCB CTRL			
5	4854965801	BUTTON CH	1	ABS BK	
4	4853299501	BRKT BUTTON	1	ABSHG BK	
3	4852099901	MASK FRONT	1	ABS+PMMA BK	
2	4855549501	DECO PLATE	1	ABS BK	
1	4855627100	MARK BRAND	1		

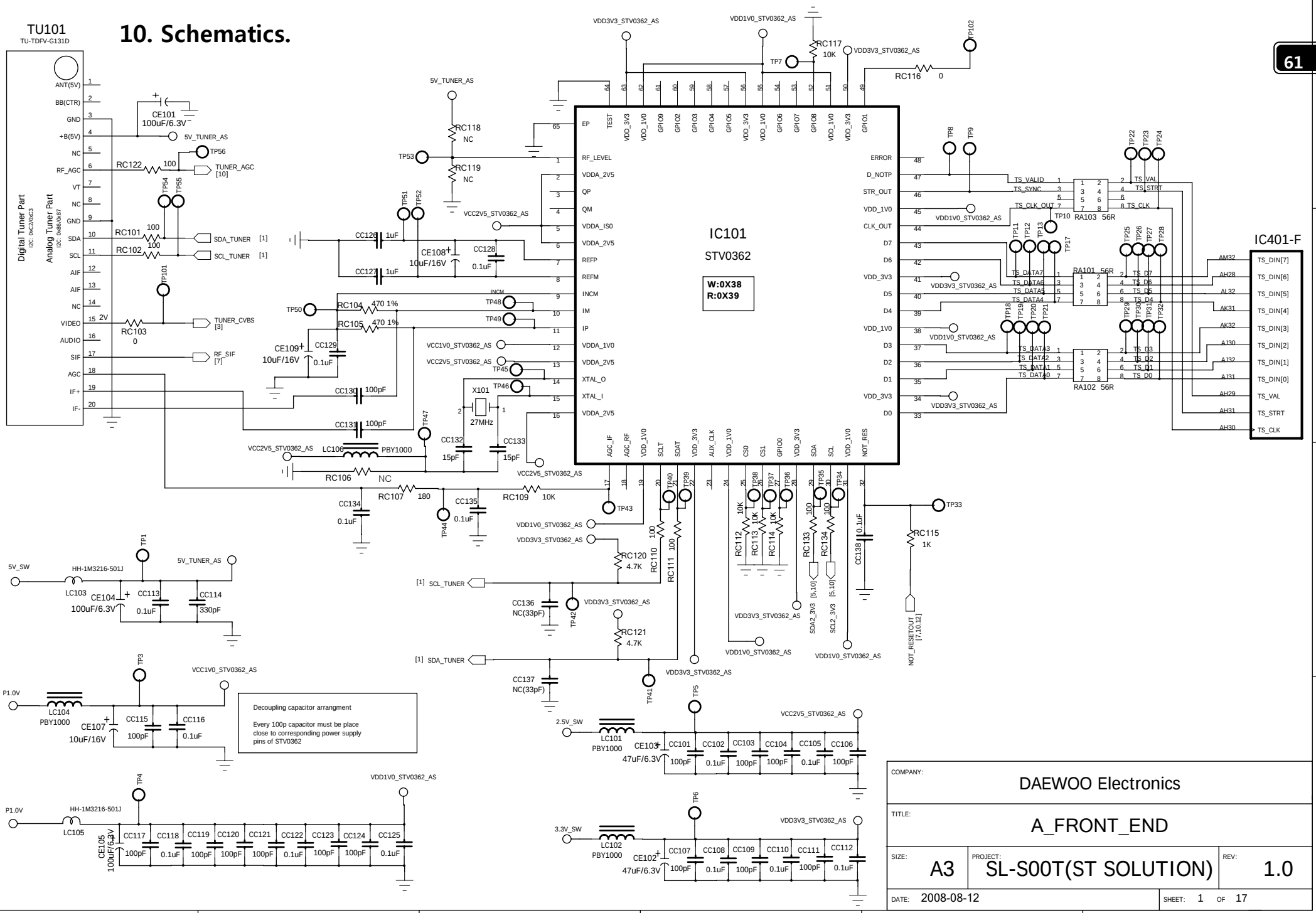
UNITS	mm	Designed by	Checked by	Inspected by	Approved by	PART NAME
		H.S.LEE				
SCALE	0.25P	DRAWING				DEVELOPMENT DWG(1/1)

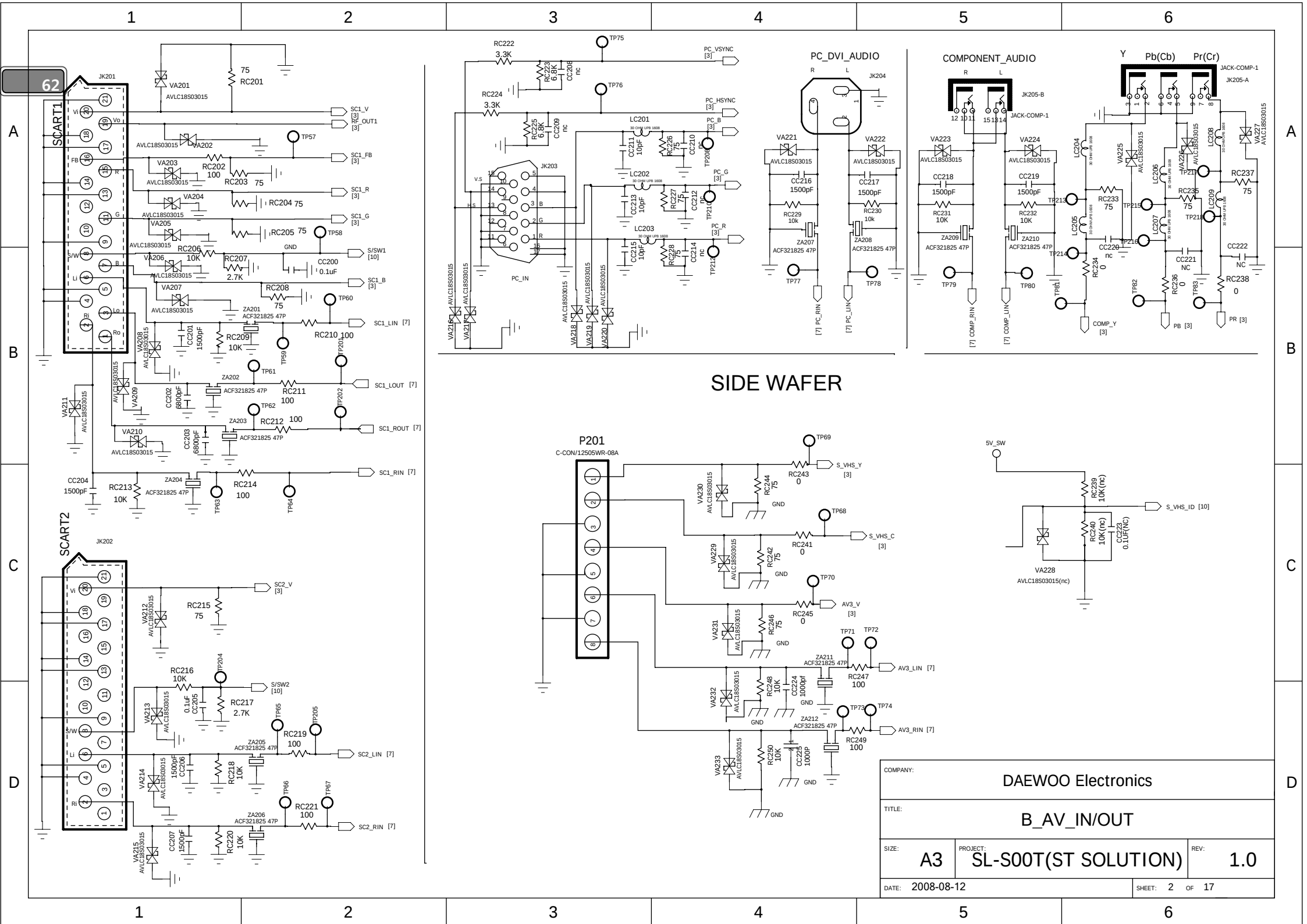
DAEWOO ELECTRONICS Corp. Mechanical Design Team, DIVISION # 1, 2, 3

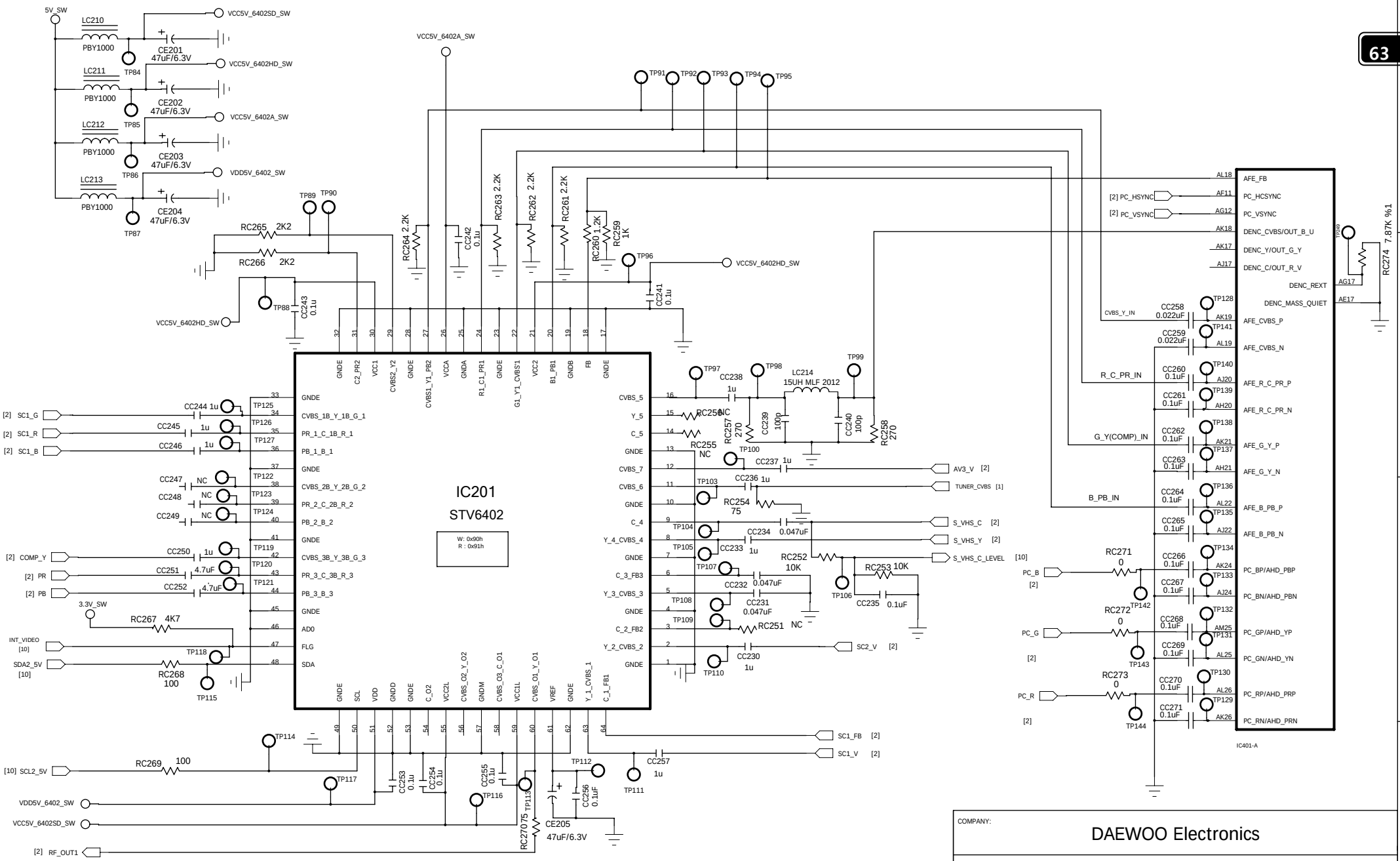
MODEL	LT42L2BSLM	ID NO	485009XD
CHASSIS	SL-S90T		

A0(1189mm X 841mm)

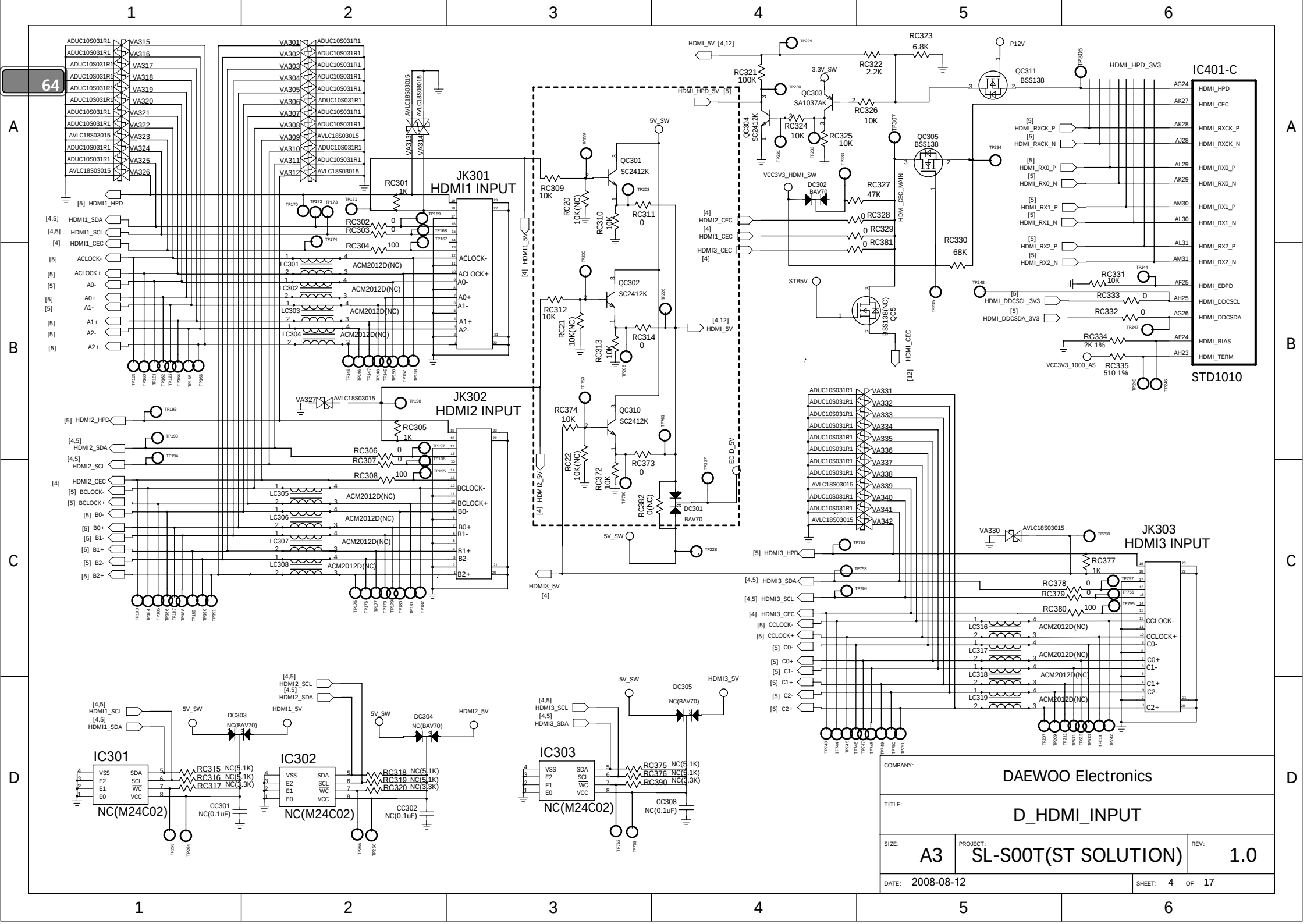
10. Schematics.

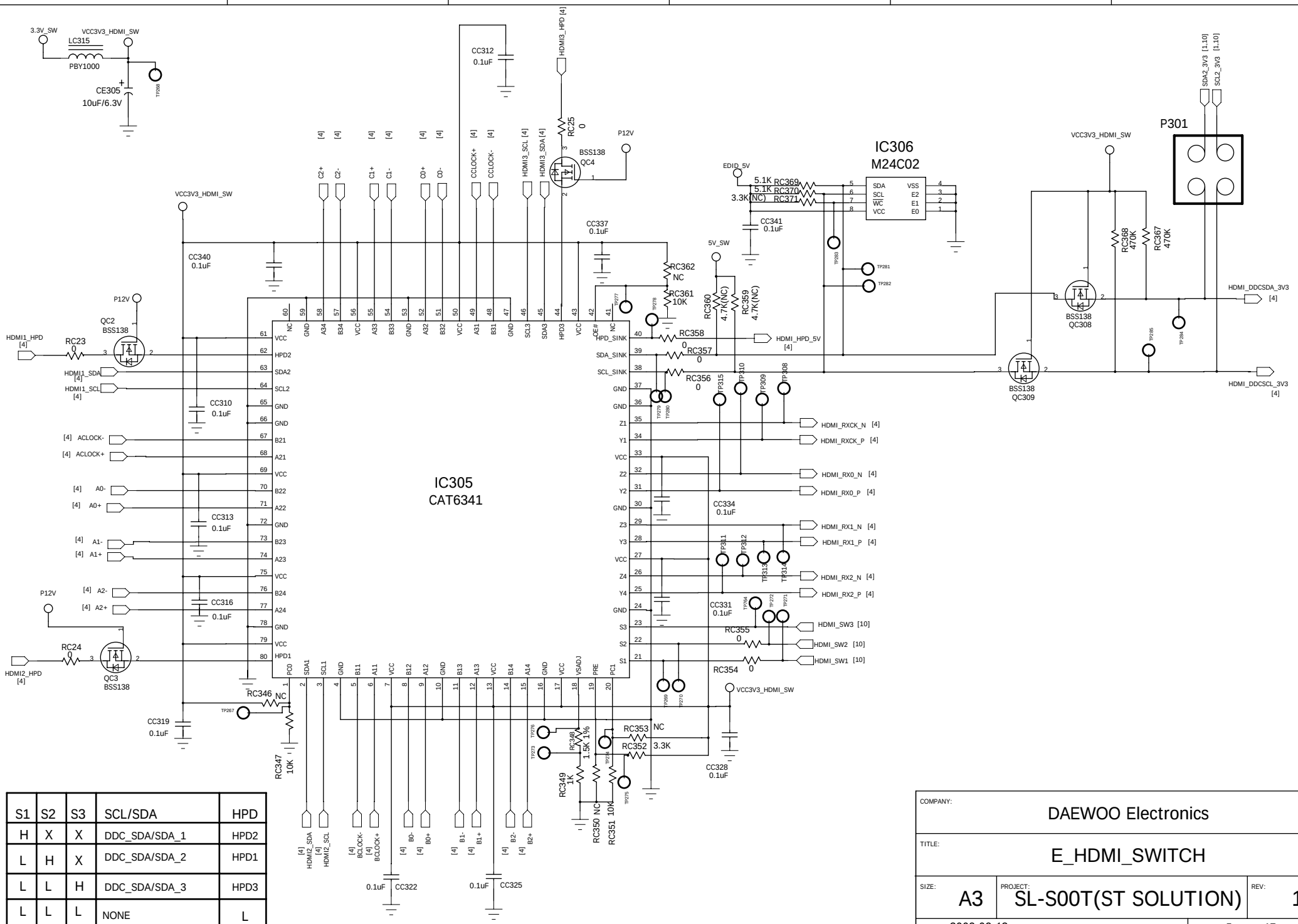



62
SCART1
JK201
SCART2
JK202
SIDE WAFER
PC_DVI_AUDIO
COMPONENT_AUDIO
P201
C-CON/12505WR-08A
PC_IN
JK203
JK204
JK205-B
JACK-COMP-1
JK205-A
COMPANY: DAEWOO Electronics
TITLE: B_AV_IN/OUT
SIZE: A3
PROJECT: SL-S00T(ST SOLUTION)
REV: 1.0
DATE: 2008-08-12
SHEET: 2 OF 17



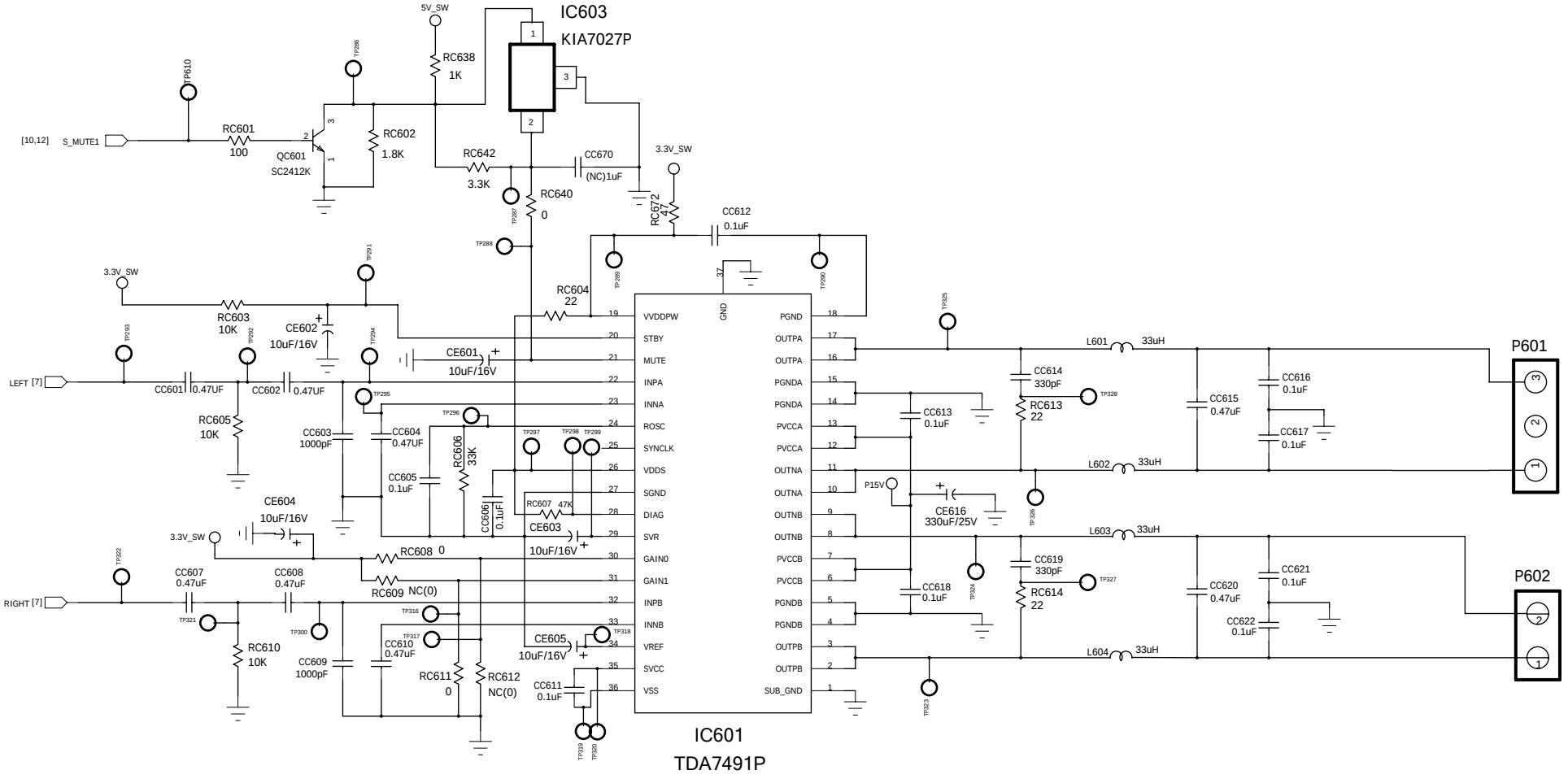
COMPANY:	DAEWOO Electronics
TITLE:	C_VIDEO_SWITCH
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION)
REV:	1.0
DATE: 2008-08-12	SHEET: 3 OF 17


JK301
HDMI1 INPUT
JK302
HDMI2 INPUT
JK303
HDMI3 INPUT
IC401-C
STD1010
IC301
IC302
IC303
NC(M24C02)
COMPANY: DAEWOO Electronics
TITLE: D_HDMI_INPUT
SIZE: A3
PROJECT: SL-S00T(ST SOLUTION)
REV: 1.0
DATE: 2008-08-12
SHEET: 4 OF 17

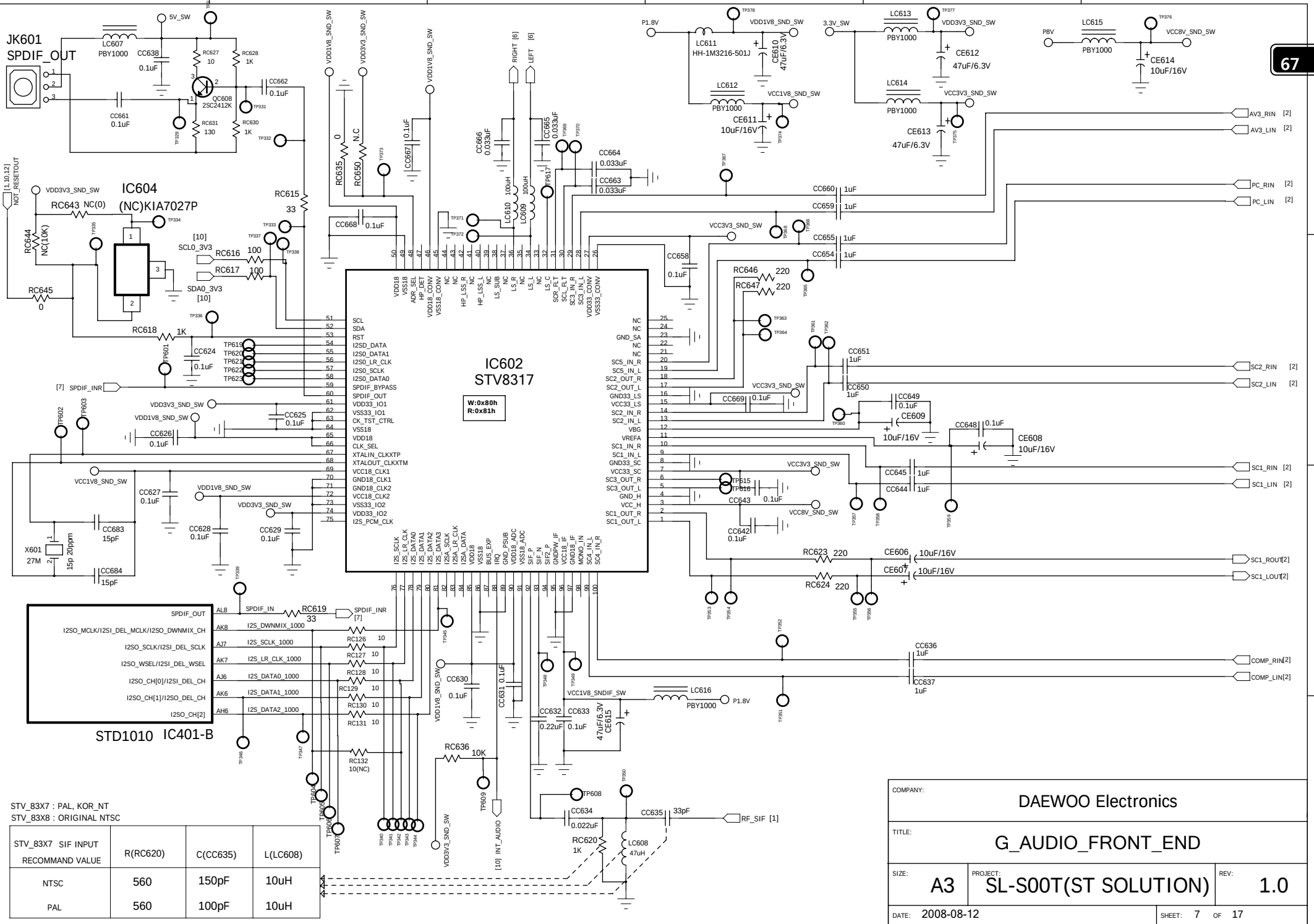


S1	S2	S3	SCL/SDA	HPD
H	X	X	DDC_SDA/SDA_1	HPD2
L	H	X	DDC_SDA/SDA_2	HPD1
L	L	H	DDC_SDA/SDA_3	HPD3
L	L	L	NONE	L

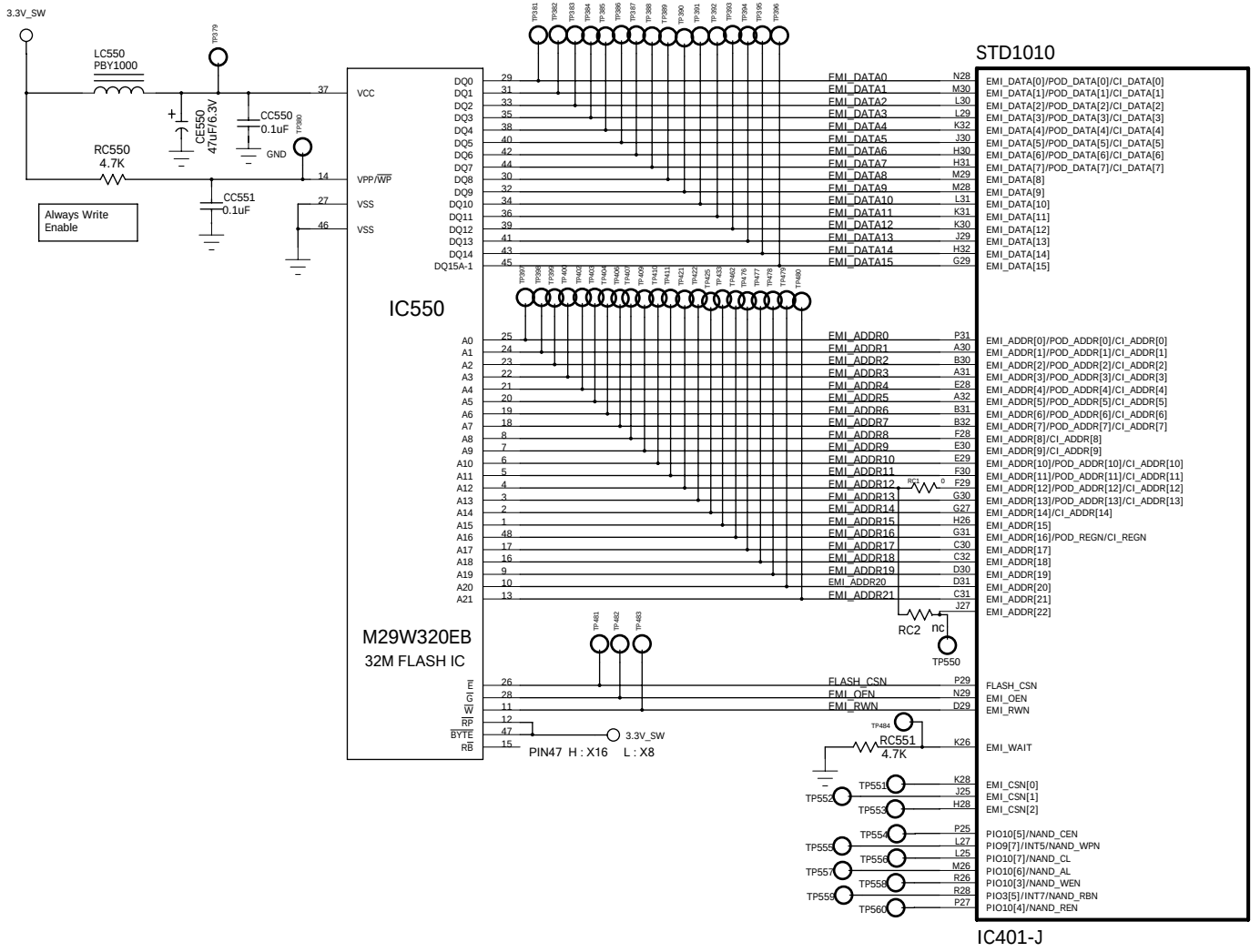
COMPANY:	DAEWOO Electronics
TITLE:	E_HDMI_SWITCH
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION) REV: 1.0
DATE: 2008-08-12	SHEET: 5 OF 17



COMPANY:	DAEWOO Electronics		
TITLE:	F_AUDIO_AMP		
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION)		REV: 1.0
DATE: 2008-08-12		SHEET: 6 OF 17	



STV_83X7 SIF INPUT RECOMMAND VALUE	R(RC620)	C(CC635)	L(LC608)
NTSC	560	150pF	10uH
PAL	560	100pF	10uH



COMPANY:	DAEWOO Electronics
TITLE:	H_EMI
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION) REV: 1.0
DATE: 2008-08-12	SHEET: 8 OF 17

OPTION TABLE	IC551	IC552
HD LCD	512M 16bit	N.C
FULL HD LCD	512M 16bit	512M 16bit

CAUTION : ALL DDR II IC & MAIN STD1010I IC should be placed under the cover shield

IC551
512M DDR2

IC552
512M DDR2

LC551 HH-1M3216-501J
LC552 HH-1M3216-501J
CE551 100uF/6.3V
CE552 100uF/6.3V
VDD1V8_DDR2_AS
P1.8V

RC552 220
RC553 220
CC552 330pF
CC553 0.1uF
CC554 330pF
CC555 0.1uF
CC556 330pF
CC557 0.1uF
RC554 10K 1%
RC555 10K 1%
RC556 120K 1%
TP561
DDRII_DUMMY

220ohm parallel resistor must be placed as close as possible of DDRII Clock balls

All those test points must be placed as close as possible from DDRII memory chip 2

DDRII_CLKP TP562
DDRII_CLKN TP563
DDRII_DATA21 TP564
DDRII_DQSP2 TP565
DDRII_DQSN2 TP566
DDRII_ADDR11 TP567

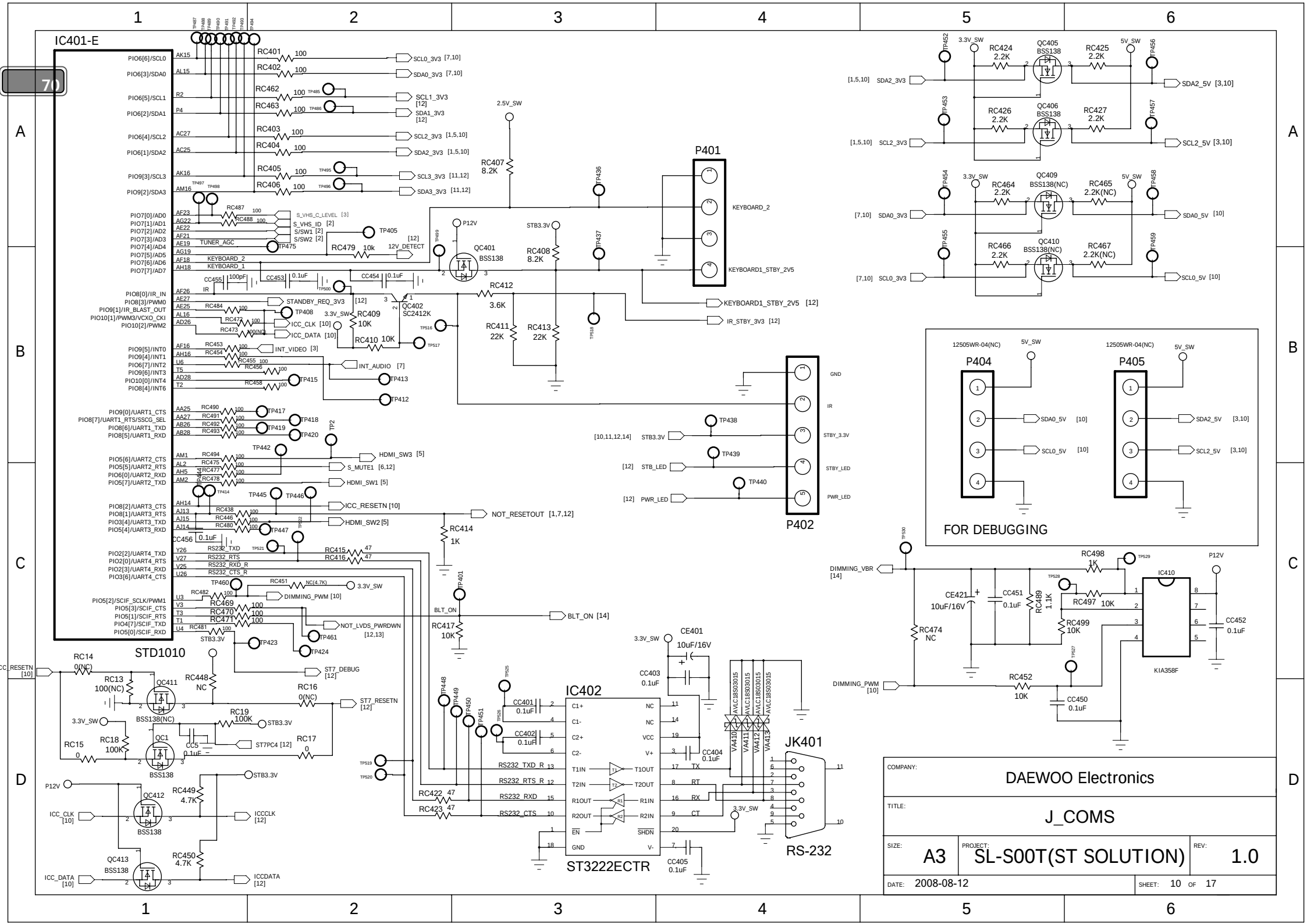
All those test points must be placed as close as possible to STD1000 signal ends.

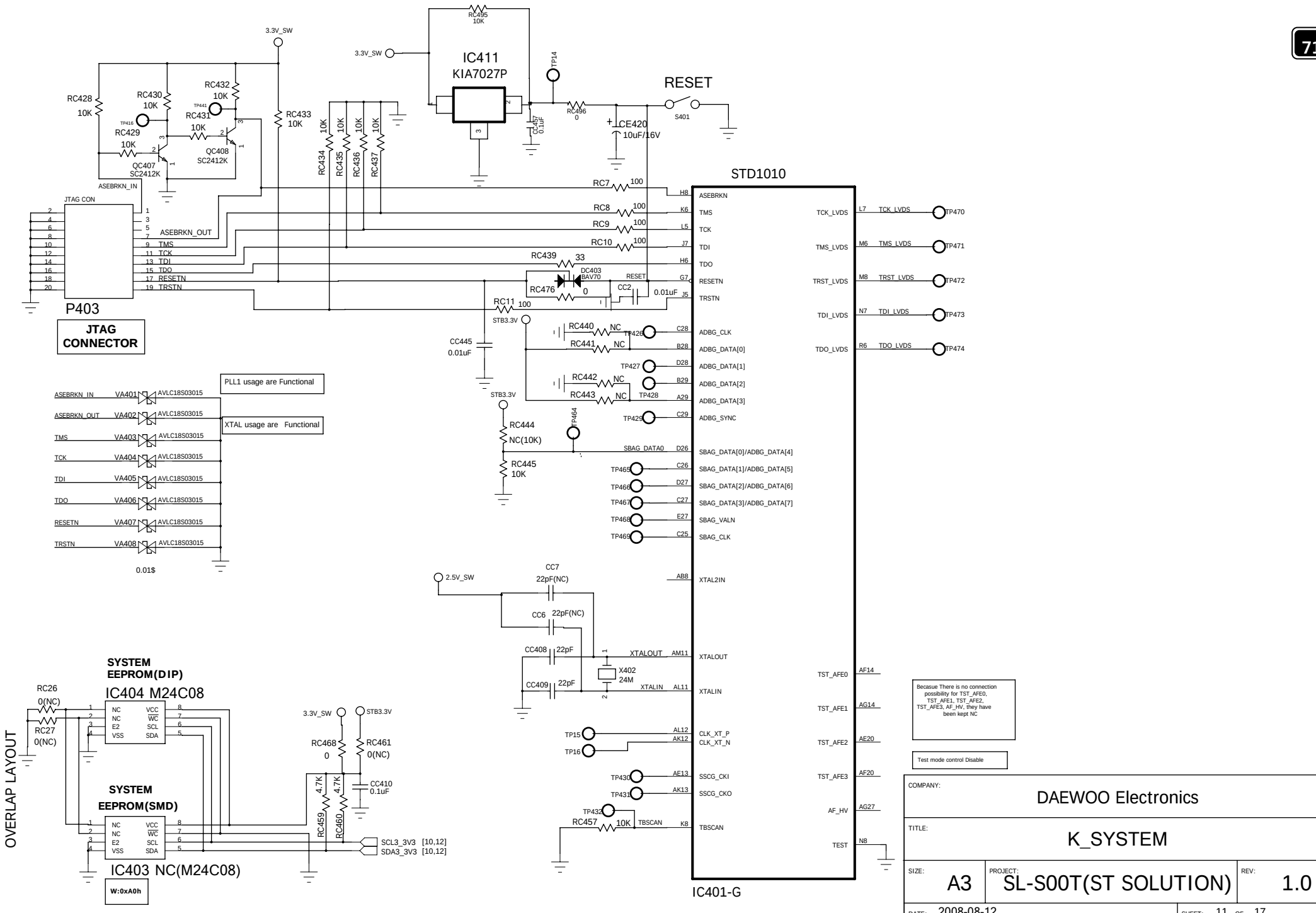
DDRII_DATA21 TP568
DDRII_DQSP2 TP569
DDRII_DQSN2 TP570

Clock length should be 400mils longer than Addresses and controls signal lengths.
Address trace length should be equalized.
DDRII LENGTH = DQS+CLK
Signals should be routed with no right angle, only 45 degrees turn with smooth edges.

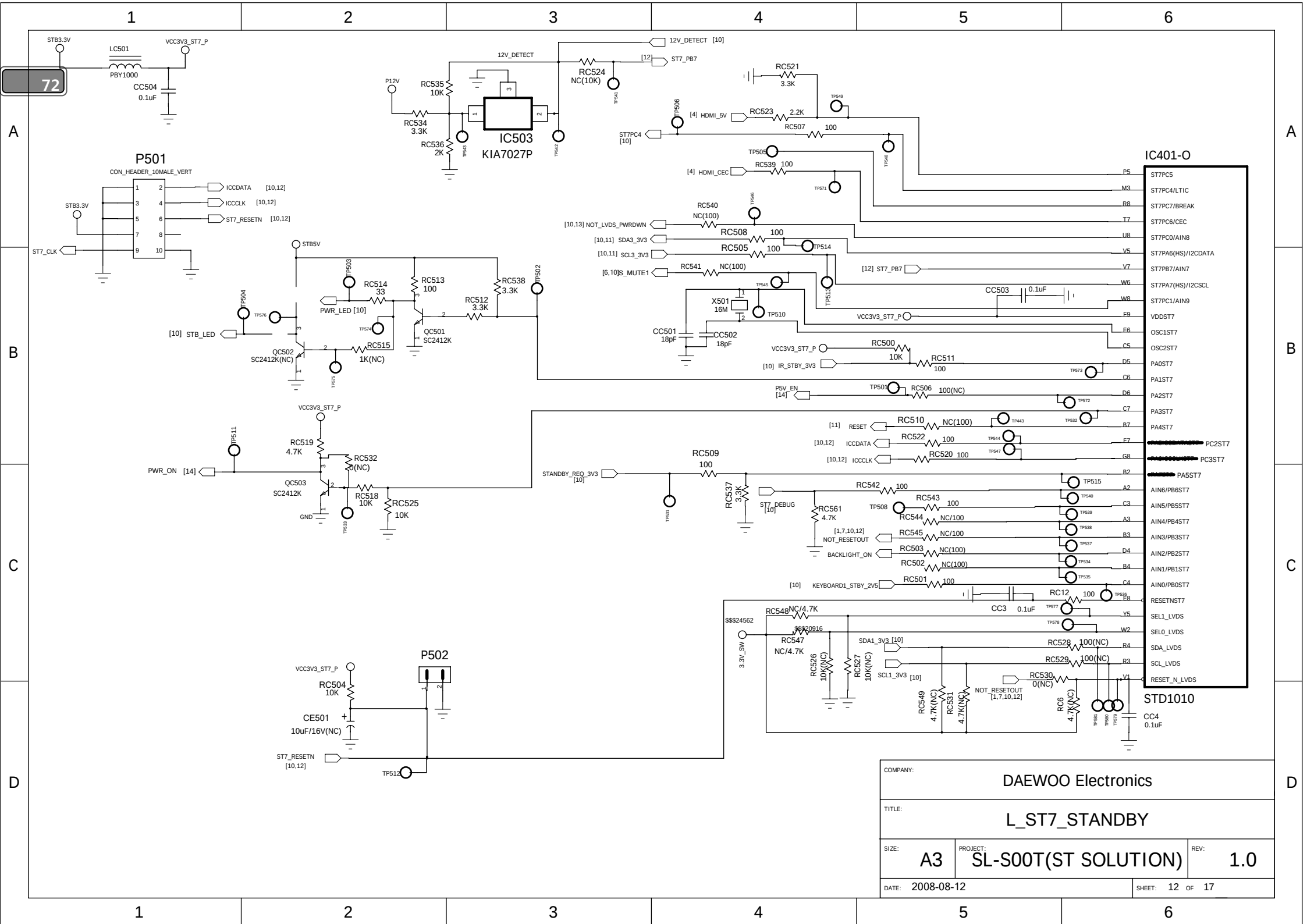
IC401-H

COMPANY:	DAEWOO Electronics
TITLE:	I_MEMORY
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION) REV: 1.0
DATE: 2008-08-12	SHEET: 9 OF 17


IC401-E
STD1010
PIO6[6]/SCL0
PIO6[3]/SDA0
PIO6[5]/SCL1
PIO6[2]/SDA1
PIO6[4]/SCL2
PIO6[1]/SDA2
PIO9[3]/SCL3
PIO9[2]/SDA3
SCL0_3V3 [7,10]
SDA0_3V3 [7,10]
SCL1_3V3 [12]
SDA1_3V3 [12]
SCL2_3V3 [1,5,10]
SDA2_3V3 [1,5,10]
SCL3_3V3 [11,12]
SDA3_3V3 [11,12]
KEYBOARD_2
KEYBOARD1_STBY_2V5
IR_STBY_3V3 [12]
STANDBY_REQ_3V3 [12]
ICC_CLK [10]
ICC_DATA [10]
INT_VIDEO [3]
INT_AUDIO [7]
HDMI_SW3 [5]
S_MUTE1 [6,12]
HDMI_SW1 [5]
ICC_RESETN [10]
HDMI_SW2 [5]
NOT_RESETOUT [1,7,12]
DIMMING_PWM [10]
NOT_LVDS_PWRDWN [12,13]
BLT_ON [14]
ST7_DEBUG [12]
ST7_RESETN [12]
ST7PC4 [12]
ICCCLK [12]
ICCDATA [12]
P401
P402
GND
IR
STBY_3.3V
STBY_LED
PWR_LED
[10,11,12,14] STB3.3V
[12] STB_LED
[12] PWR_LED
IC402
ST3222ECTR
JK401
RS-232
RS232_TXD_R
RS232_RTS_R
RS232_RXD
RS232_CTS
TX
RT
RX
CT
QC401 BSS138
QC402 SC2412K
QC405 BSS138
QC406 BSS138
QC409 BSS138(NC)
QC410 BSS138(NC)
QC411 BSS138(NC)
QC412 BSS138
QC413 BSS138
QC1 BSS138
P404
P405
12505WR-04(NC)
FOR DEBUGGING
IC410
KIA358F
DIMMING_VBR [14]
DIMMING_PWM [10]
COMPANY: DAEWOO Electronics
TITLE: J_COMS
SIZE: A3
PROJECT: SL-S00T(ST SOLUTION)
REV: 1.0
DATE: 2008-08-12
SHEET: 10 OF 17



COMPANY:	DAEWOO Electronics
TITLE:	K_SYSTEM
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION)
REV:	1.0
DATE: 2008-08-12	SHEET: 11 OF 17



COMPANY:	DAEWOO Electronics
TITLE:	L_ST7_STANDBY
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION)
REV:	1.0
DATE: 2008-08-12	SHEET: 12 OF 17

PANEL OPTION

IC401-P

DEVEN5_N	AL1	RC723	0	B_RX0N	TP701
DEVEN5_P	AK3	RC724	0	B_RX0P	TP702
DEVEN4_N	AK2	RC725	0	B_RX1N	TP703
DEVEN4_P	AJ4	RC726	0	B_RX1P	TP704
DEVEN3_N	AJ3	RC727	0	B_RX2N	TP705
DEVEN3_P	AG5	RC728	0	B_RX2P	TP706
DEVEN2_N	AH4	RC729	0	B_RXCLKN	TP707
DEVEN2_P	AG3	RC730	0	B_RXCLKP	TP708
DEVEN1_N	AF3	RC731	0	B_RX3N	TP709
DEVEN1_P	AF2	RC732	0	B_RX3P	TP710
DEVEN0_N	AE2	RC733	0	B_RX4N	TP711
DEVEN0_P	AE1	RC734	0	B_RX4P	TP712
DODD5_N	AD4	RC735	0	A_RX0N	TP713
DODD5_P	AD3	RC736	0	A_RX0P	TP714
DODD4_N	AC1	RC737	0	A_RX1N	TP715
DODD4_P	AC2	RC738	0	A_RX1P	TP716
DODD3_N	AB2	RC739	0	A_RX2N	TP717
DODD3_P	AB3	RC740	0	A_RX2P	TP718
DODD2_N	AA3	RC741	0	A_RXCLKN	TP719
DODD2_P	AA4	RC742	0	A_RXCLKP	TP720
DODD1_N	Y4	RC743	0	A_RX3N	TP721
DODD1_P	W4	RC744	0	A_RX3P	TP722
DODD0_N	W3	RC745	0	A_RX4N	TP723
DODD0_P	V2	RC746	0	A_RX4P	TP724

STD1010

STi1000 register setting LVDS configuration
EVEN_SW=4
ODD_SW=4

LVDS transmitter I2C adr: 0x98/0x99

IC401-M

FPD_CLK_SINGLE	AM4	FPD_CLK_SINGLE	RC701	0
FPD_CLK1	AK4	FPD_CLK1	RC702	NC
FPD_CLK2	AM3	FPD_CLK2	RC703	NC
OUT_GFX	Y8			
OUT_DE	M2	OUT_DE		TP726
OUT_VSYNC	N4	OUT_VSYNC		TP727
OUT_HSYNC	N5	OUT_HSYNC		TP728
FPD_REXT	H9	FPD_REXT	RC704	120K 1%(NC)
FPD_CK_LVDS	AL3	FPD_CK_LVDS		

FPD_CK_LVDS → TP725

TP636 TP637 TP638

STD1010

The FPD_REXT line is to be as short as

Because there is no connection possibility
OUT_GFX has been kept NC

P12V / QC702 / IC701

P12V

QC702 TSM2311 (SOURCE, DRAIN, GATE)

TP632 TP635

LC701 4.7uH 5650 SMD

IC701 FDS4953(NC)

LVDS_B+ [13]

CE701 330uF/25V

RC712 3.3K

CC701 0.1uF

RC517 18K

RC516 NC(0.1uF)

CE702 330uF/25V

TP634 TP633

RC710 3.3K

QC701 SC2412K

RC711 2.7K

NOT_LVDS_PWRDWN [10,12]

CE703 10uF/6.3V

SMW200-NNC/30

LVDS_B+

DISM:3V3/ LG:GND

LVDS_OPTION [13]

P701

3.3V_SW

RC706 NC

RC707 0

RC5 0

VBR_OUT

VBR [13,14]

A_RX3N

A_RXCLKP

A_RX2N

A_RX1P

A_RX0N

DCR_OPTION [13]

ENABLE:3.3V/
DISABLE:GND

RC708 100(NC)

RC709 0

A_RX3P

A_RXCLKN

A_RX2P

A_RX1N

A_RX0P

FULL HD LVDS CONNECTOR

LVDS_B+

LVDS_CON51

P702

1	VDD	26	NC/GND
2	VDD	27	NC/GND
3	VDD	28	A_RX4+
4	VDD	29	A_RX4-
5	NC	30	A_RX3+
6	GND	31	A_RX3-
7	GND	32	GND
8	GND	33	A_RXCLK+
9	NC/GND	34	A_RXCLK-
10	NC/GND	35	GND
11	B_RX4+	36	A_RX2+
12	B_RX4-	37	A_RX2-
13	B_RX3+	38	A_RX1+
14	B_RX3-	39	A_RX1-
15	GND	40	A_RX0+
16	B_RXCLK+	41	A_RX0-
17	B_RXCLK-	42	GND
18	GND	43	DCR_ENABLE
19	B_RX2+	44	VBR_OUT
20	B_RX2-	45	VBR_EXT
21	B_RX1+	46	LVDS_SEL
22	B_RX1-	47	NC
23	B_RX0+	48	NC
24	B_RX0-	49	NC
25	NC/GND	50	NC
		51	GND

B_RX4P B_RX4N B_RX3P B_RX3N B_RXCLKP B_RXCLKN B_RX2P B_RX2N B_RX1P B_RX1N B_RX0P B_RX0N

A_RX4P A_RX4N A_RX3P A_RX3N A_RXCLKP A_RXCLKN A_RX2P A_RX2N A_RX1P A_RX1N A_RX0P A_RX0N

3.3V_SW

RC3 100

Bit Selection
[L] = 8bit
[H] = 10bit

RC4 0(NC)

[13] DCR_OPTION

VBR [13,14]

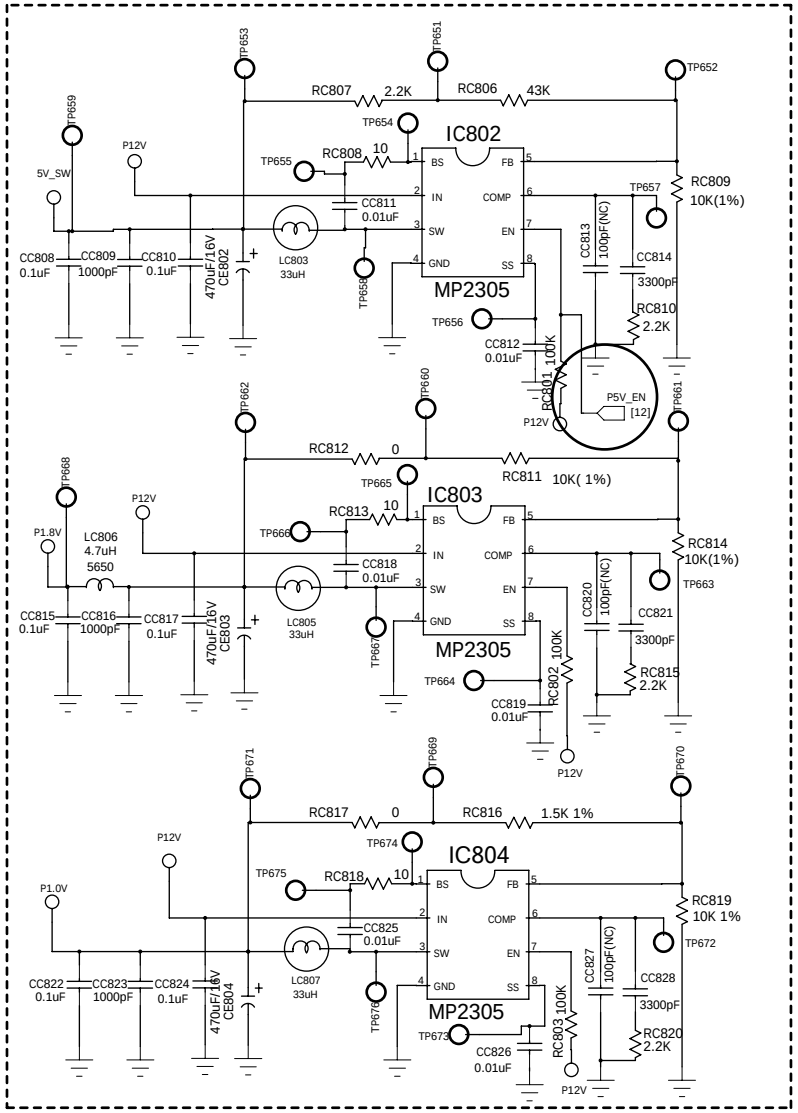
RC714 100(NC)

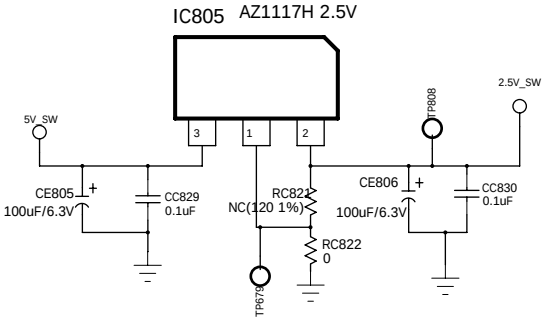
RC713 NC(0)

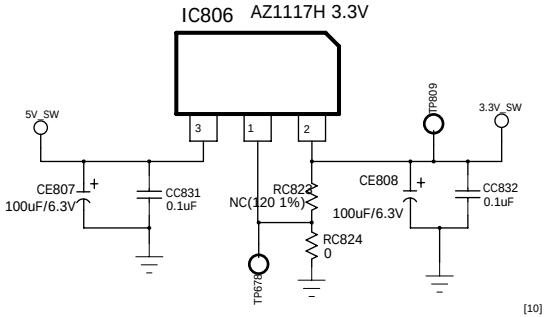
[13] LVDS_OPTION

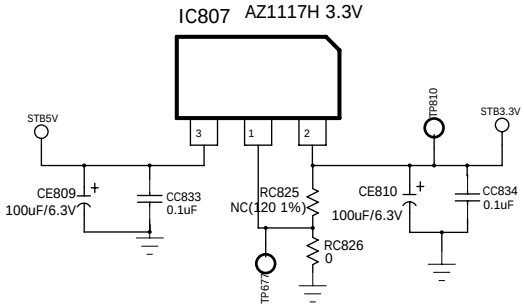
TP642 TP643

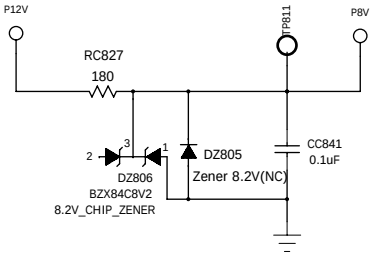
COMPANY:	DAEWOO Electronics		
TITLE:	M_BACK_END		
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION)	REV: 1.0	
DATE: 2008-08-12	SHEET: 13 OF 17		

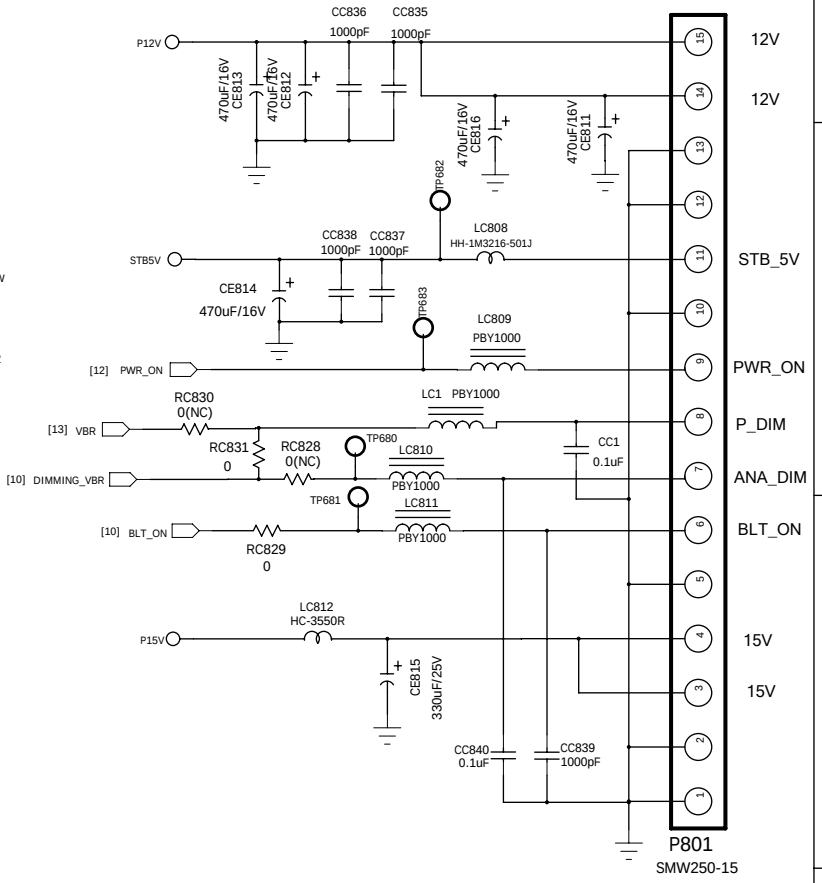




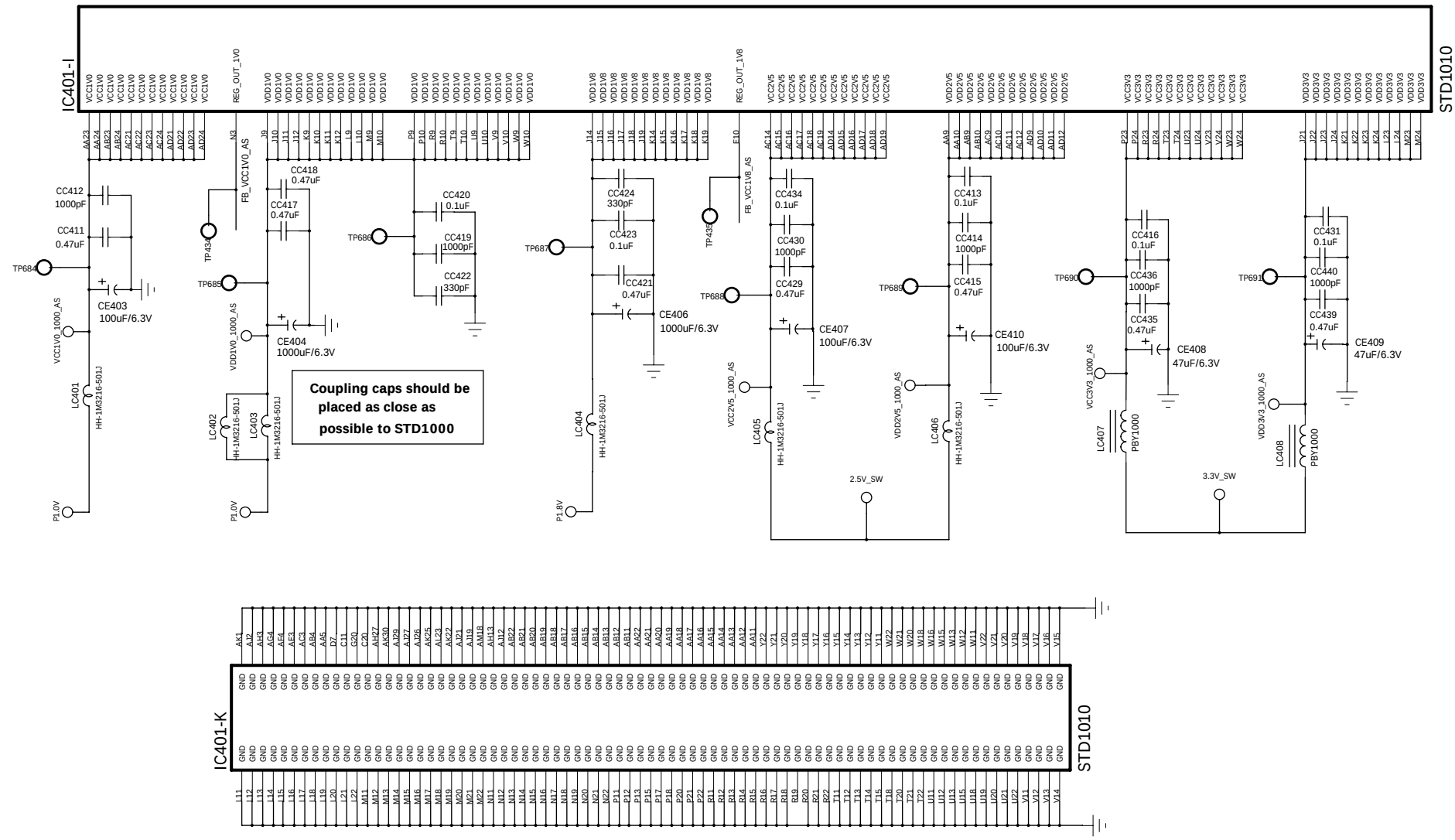




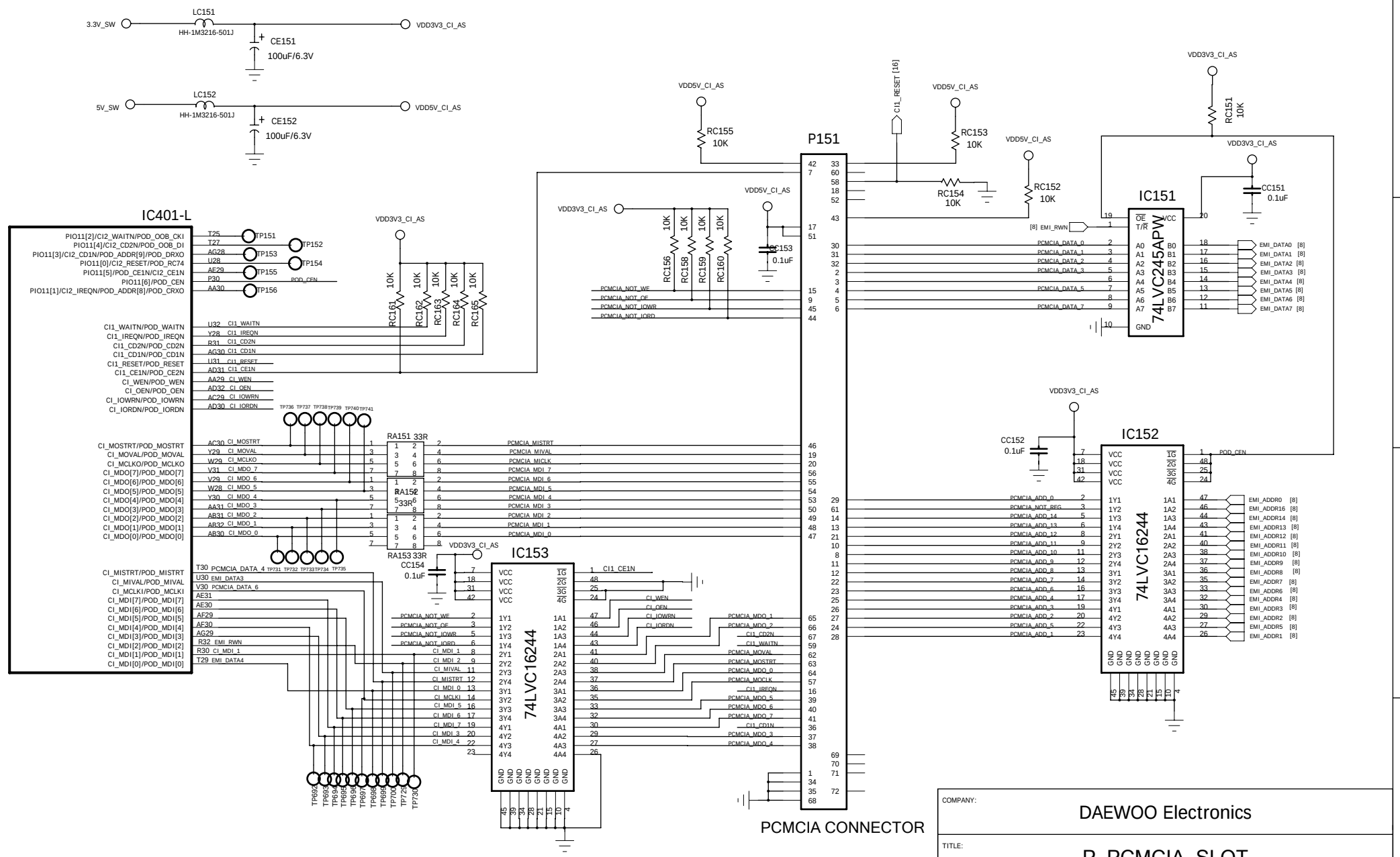




COMPANY: DAEWOO Electronics			
TITLE: N_POWER			
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION)		REV: 1.0
DATE: 2008-08-12		SHEET: 14 OF 17	

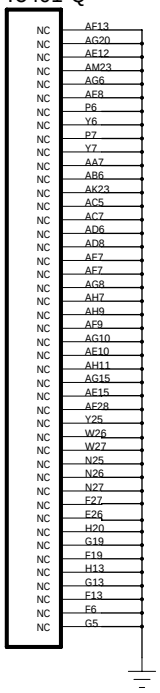


COMPANY:	DAEWOO Electronics
TITLE:	O_ST1010/1011_POWER
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION)
REV:	1.0
DATE: 2008-08-12	SHEET: 15 OF 17

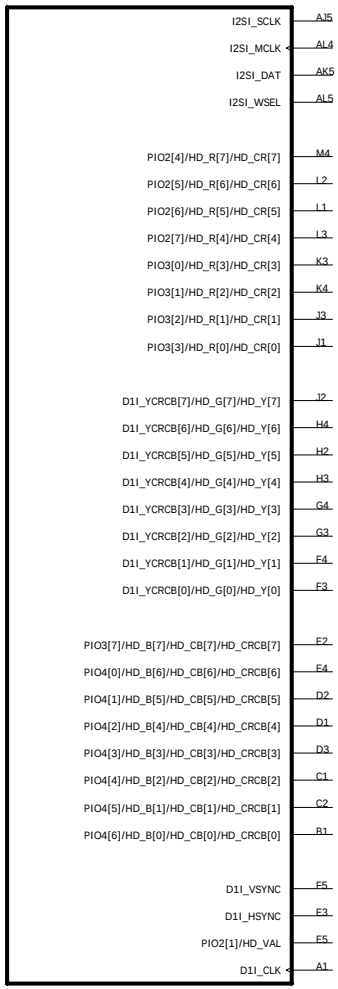


COMPANY:	DAEWOO Electronics
TITLE:	P_PCMCIA_SLOT
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION)
REV:	1.0
DATE: 2008-08-12	SHEET: 16 OF 17

IC401-Q

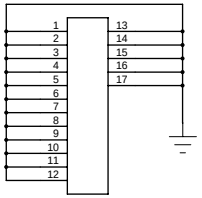


IC401-D

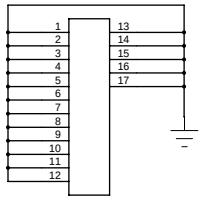


STD1010

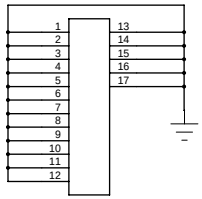
M1
HOLE4.5/8.0-F



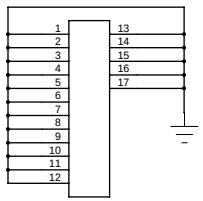
M2
HOLE4.5/8.0-F



M3
HOLE4.5/8.0-F



M4
HOLE4.5/8.0-F



M5
MT-4X5

M6
NTH4

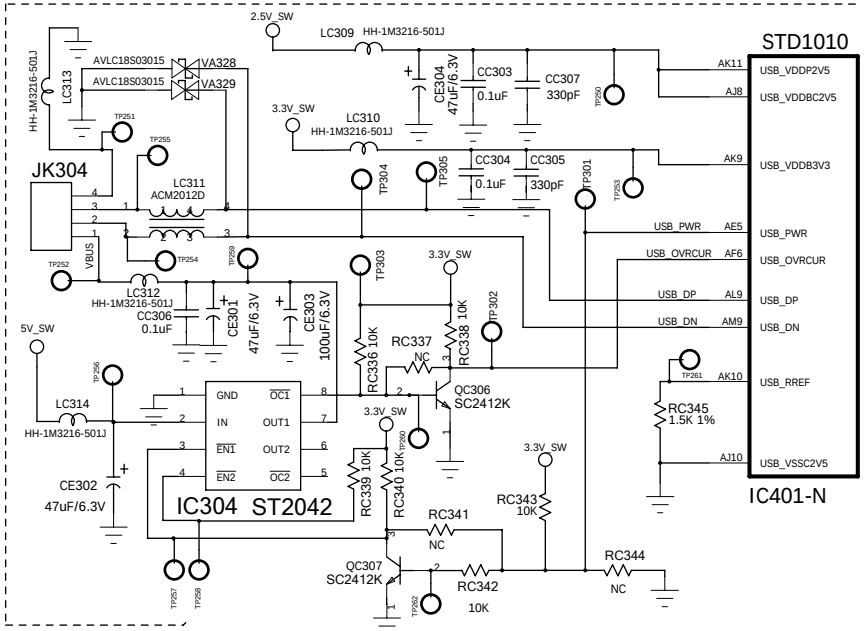
M7
NTH4

M8
NTH4

M9

M10

USB INPUT



COMPANY:	DAEWOO Electronics		
TITLE:	Q_OTHERS		
SIZE: A3	PROJECT: SL-S00T(ST SOLUTION)		REV: 1.0
DATE: 2008-08-12		SHEET: 17 OF 17	