

LCD Color Television

40BV700

Ver. 2.00

This model is classified as a green product (*1), as indicated by the underlined serial number.
This Service Manual describes replacement parts for the green product. When repairing this green product, use the part(s) described in this manual and lead-free solder (*2).
For (*1) and (*2), refer to **GREEN PRODUCT PROCUREMENT** and **LEAD-FREE SOLDER**.

IMPORTANT NOTICE

WARNING:

You are requested that you shall not modify or alter the information or data provided herein without prior written consent by Toshiba. Toshiba shall not be liable to anybody for any damages, losses, expenses or costs, if any, incurred in connection with or as a result of such modification or alteration.

THE INFORMATION OR DATA HEREIN SHALL BE PROVIDED "AS IS" WITHOUT ANY WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Toshiba shall not be liable for any damages, losses, expenses or costs, if any, incurred in connection with or as a result of use of any information or data provided herein.

IMPORTANT NOTICE

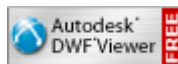
User's Guide

Contents:

- [Install Autodesk DWF Viewer](#)
- [Internet Explorer Settings](#)
- [Operating Environment](#)
- [Functions Provided on Each Drawing Page](#)
- [Using with Network](#)

Install Autodesk DWF Viewer

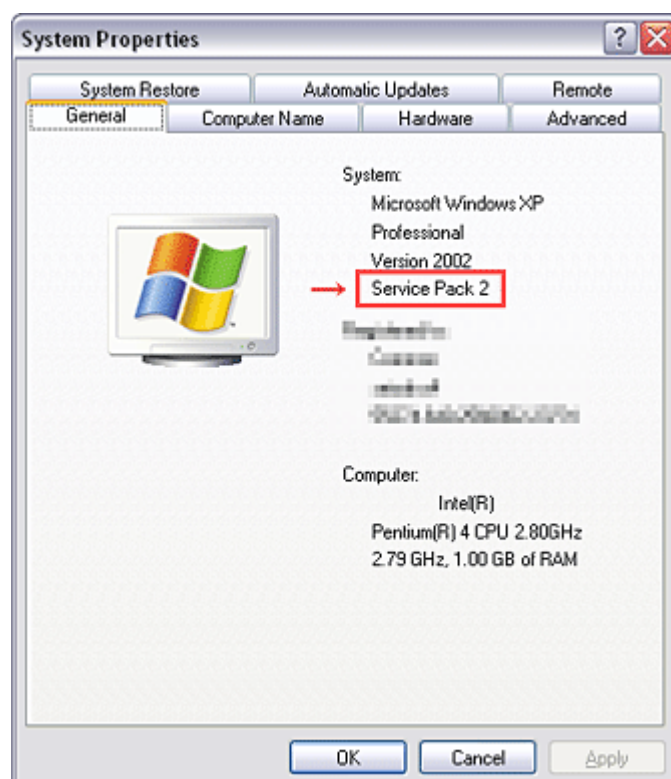
Autodesk DWF Viewer is necessary to view drawings and to activate the functions of this system. Please download and install.



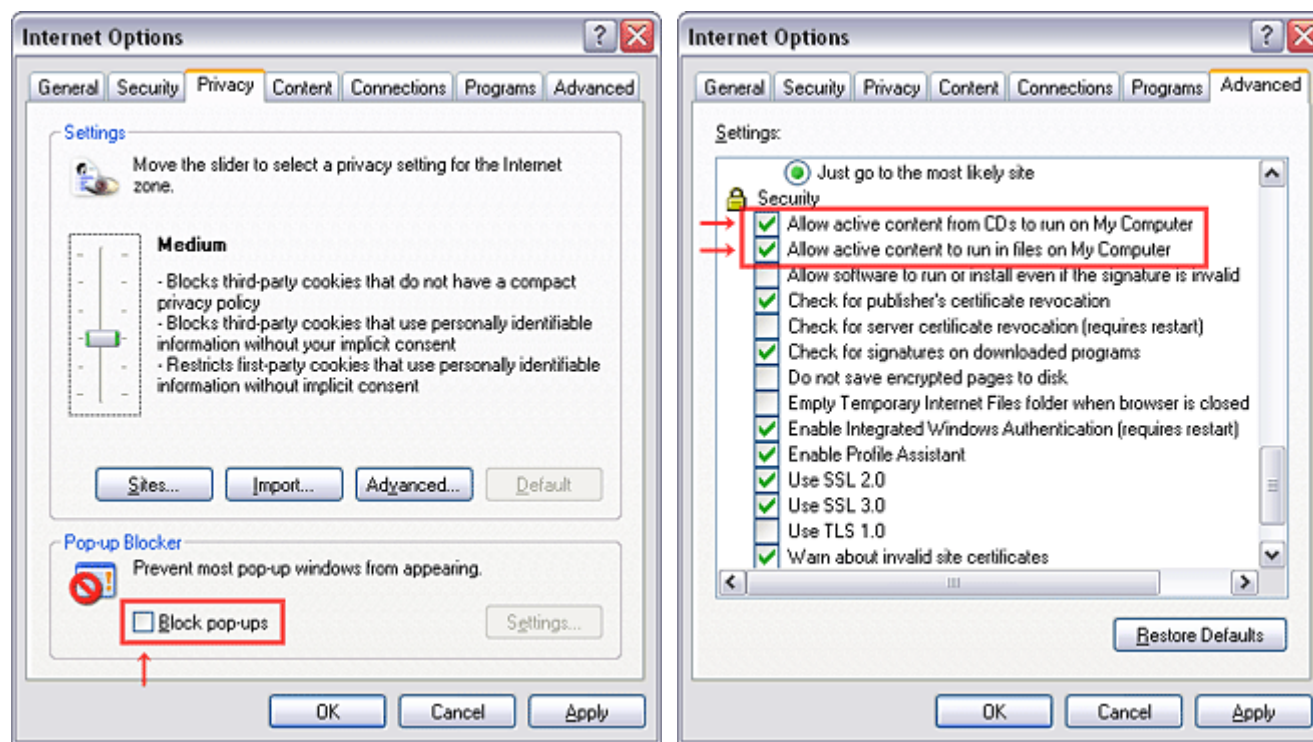
Internet Explorer Settings

When **Windows XP SP2** or **Windows Vista** is used, ActiveX control and pop-up windows are limited by the enhanced security function and this system may not work. In that case, perform the Internet Explorer setting using the following procedure to restore normal operation.

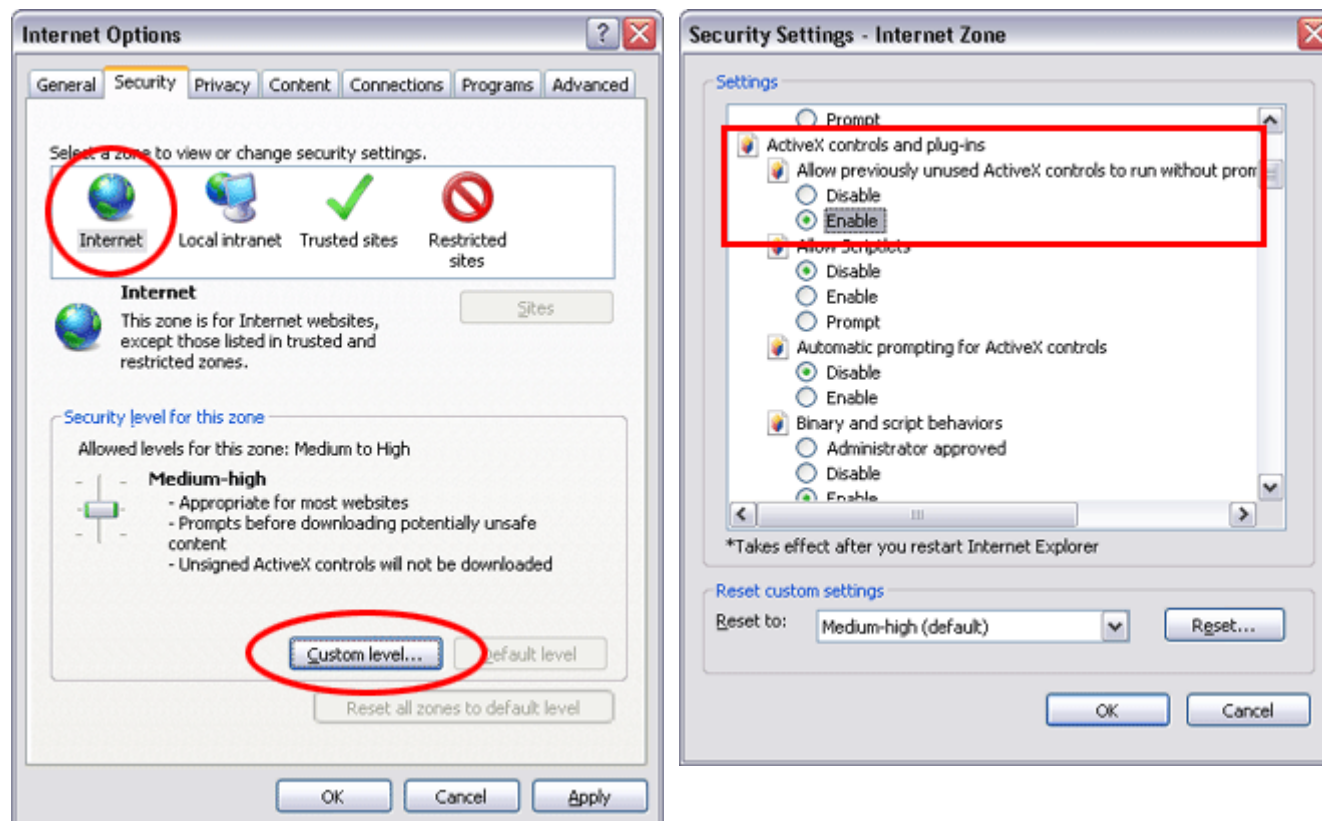
1. Windows version check
[My Computer (right-click)] - [Properties]



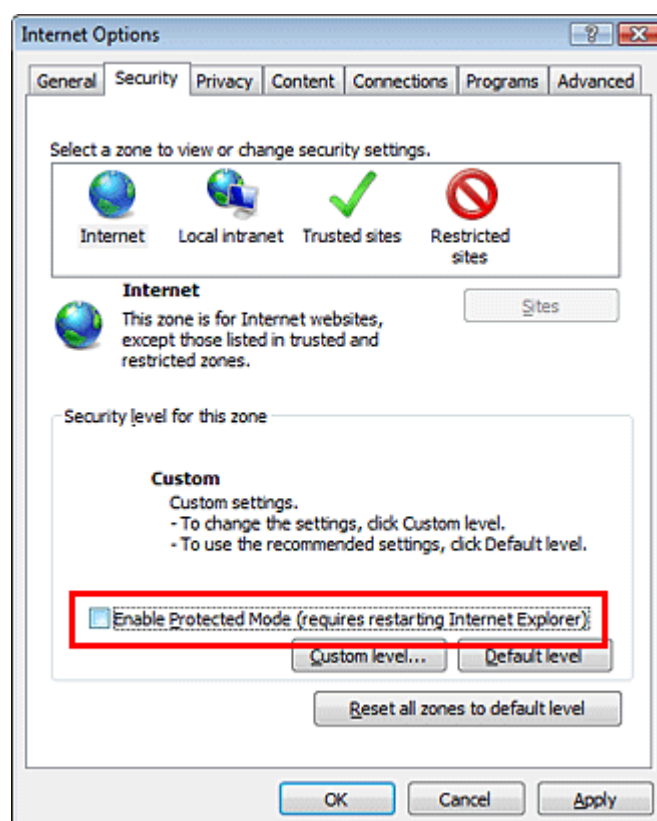
2. Internet Explorer setting
[Tools] - [Internet Options]



for Internet Explorer 7



for Windows Vista



Operating Environment

PC	: Pentium III or higher recommended
Monitor	: 1024 x 768 or higher resolution recommended
Mouse	: A mouse with wheel recommended
OS	: Microsoft Windows 2000 SP4 / XP / Vista
Browser	: Microsoft Internet Explorer 6.0 / 7.0
Drawing viewer	: Autodesk DWF Viewer 6.0 / 7.0

* Use the software following respective license terms and conditions.

Functions Provided on Each Drawing Page

Parts Information Reference Function

When the character string of a part on the drawing is clicked, its information is popped up at the location. You can get any parts information immediately on the screen without referring to the maintenance parts list.



Parts Search Function

You can search any part within the displayed drawing or within the whole schematic diagram/board view by specifying a location number. The pop-up window displayed by clicking a part 's character string allows to search the part within the applicable schematic diagram, board view or spare parts list.

A circle appears when the part is found, showing the part's location within the drawing.



Signal Line/Connector Destination Display Function

When a name at the end of a signal line in a divided schematic diagram is clicked, the destination of the signal is searched and the display changes to the destination. Connector destinations can also be searched in the same way.

When two or more search results are provided, their drawing names are displayed, allowing you to choose a desired drawing to display.



Layer Display Changing Function

When any of the color buttons on the toolbar is clicked, it can be selected to display desired layer in its color or not to display each layer. This allows you to see the pattern layer only by setting other layers to "non-display".



PC Board View Pattern Highlighting Function

When a pattern on a board view is clicked, it is highlighted in green. This allows easy pattern tracing.



Specified Area Printing Function

The Autodesk DWF Viewer enables to print the displayed drawing region as it is on a printer. It also allows to print a large-sized drawing in multiple pieces (tile printing).



Using with Network

PRECAUTION

To use ZEUS Service Manual Ver.2 with network, the file-path names written on the source files of each

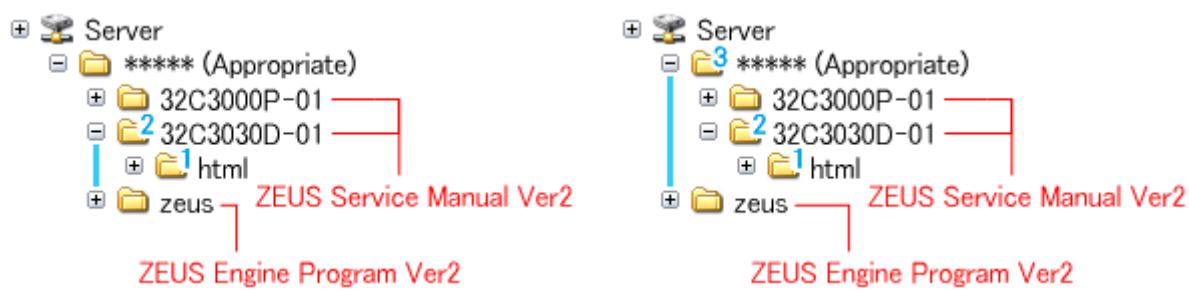
ZEUS Engine Program Ver.2 and ZEUS Service Manual Ver.2 are to be modified.
Perform the procedure described below.

Preparation

1. Run the program file zuesFPch.exe to install the program file for File-Path to the Local PC.

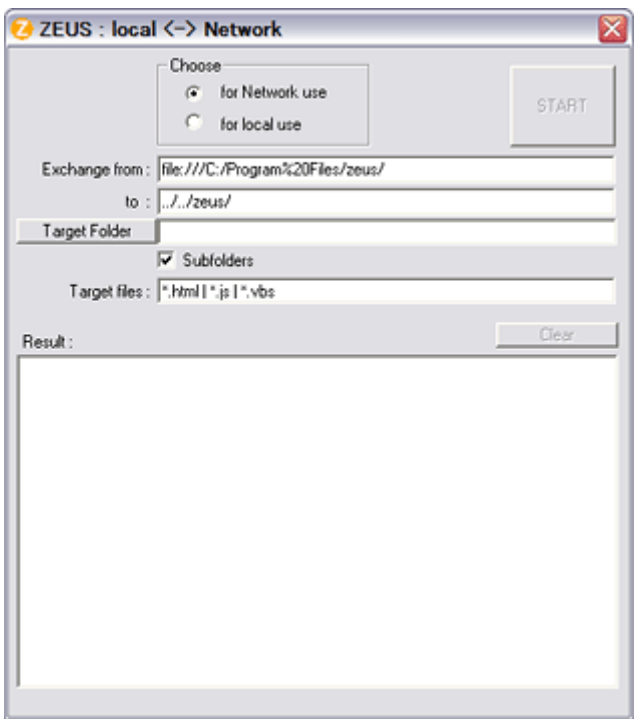
-> [Download zeusFPch_setup.zip \(2.3MB\)](#)
2. Run the program file ZeusSetup_v2.0.exe to install the ZEUS Engine Program in C:\Program Files\zeus of the local PC. This can be done by running the installer program provided.
3. Create the appropriate folder where the ZEUS Engine Program Ver.2 and the ZEUS Service Manual Ver.2 to be stored in the server.
4. Move the ZEUS Engine Program of step 2 to the folder created at step 3 in the Server.
5. Detach the ZEUS Service Manual Ver.2 to the folder created at step 3 in the Server.
6. Unzip the ZEUS Service Manual Ver.2 within the folder in the Server.

Example of folder



Procedure of File-Path

The zeusFPch is the exclusive program to exchange the file-path names written in both source files of ZEUS Manual and ZEUS Engine program into those applicable to the network use.



1. Whenever changing the file-path of both ZEUS Engine Program and ZEUS Service Manual to use with network, pay the attention to set the "Exchange to" column that should have a proper relation between ZEUS Engine Program and ZEUS Service Manual with referring the following.

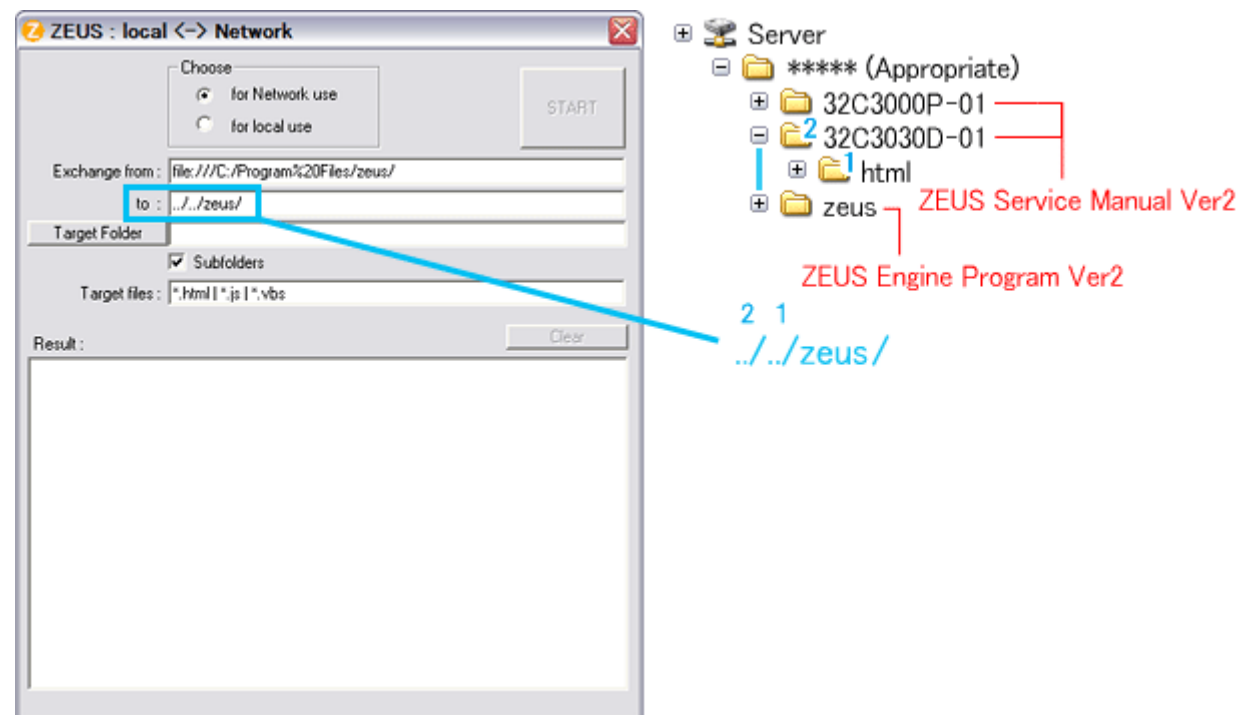
Run the zeusFPch and set "Exchange to" by referring to the examples below.

Example 1 :

In the "Exchange to" column shows the relation between ZEUS Service Manual and ZEUS Engine Program.

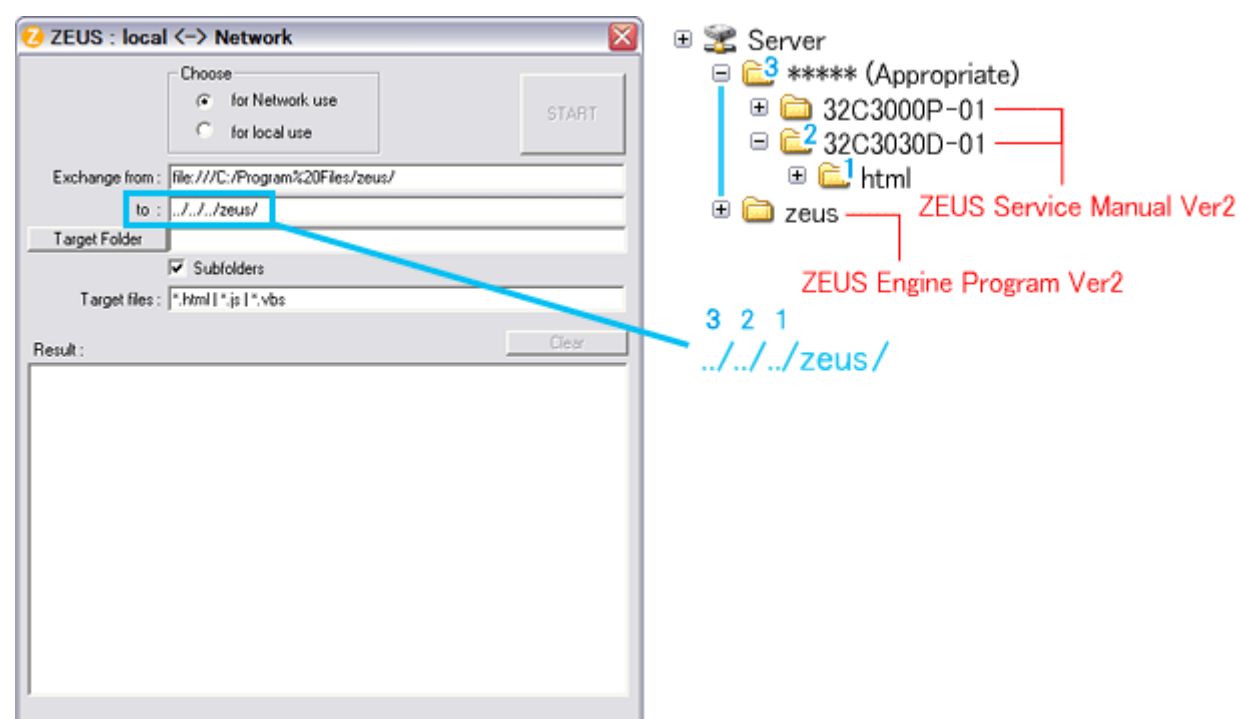
../ counts the relation between.

Thus in this case, it must be ../../zeus/ (2 counts).

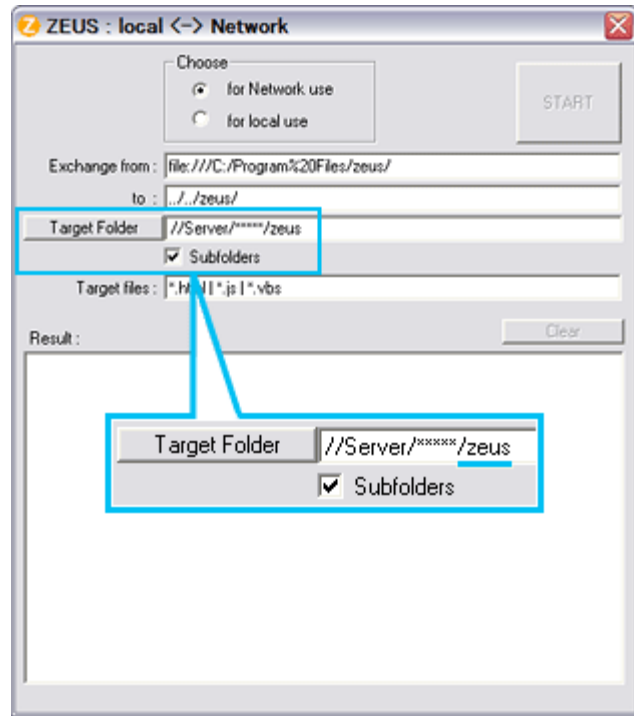


Example 2 :

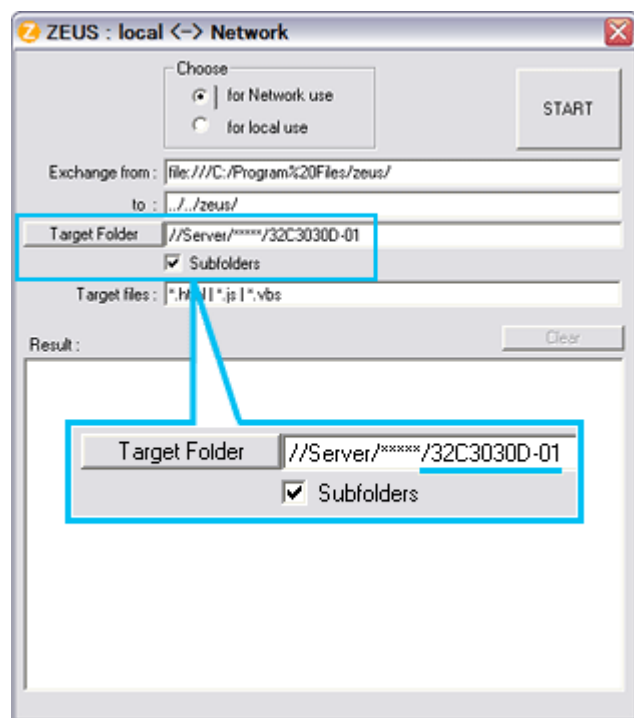
In this case, it must be ../../../../zeus/ (3 counts).



2. Run the zeusFPch to change the path in the ZEUS Engine Program Ver.2.
3. Set ZEUS Engine Program in the created folder in the server to the "Target Folder", and then press "START".
(This procedure is one time only)



4. Run the ZeusFPch to change the path in the ZEUS Service Manual Ver2.
5. Set unzipped ZEUS Service Manual in the created folder in the server to the "Target Folder", and then press "START".
(This procedure is required whenever placing service manual.)



Confirmation

Confirm that service manual on the server can be operated normally by client PC.

Note:

In case of accessing the ZEUS Manual through WEB site, the small pop-up window appears at the left bottom corner on the screen whenever searching the location links. This is not malfunction.

IMPORTANT NOTICE

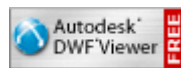
A Known Malfunction

Autodesk® DWF™ Viewer version (Free software provided through WEB)

Use Autodesk DWF Viewer ver. 6.0.

Through WEB, ver. 6.5 has been released but with it, the linking function in this manual may not work properly.

If ver. 6.5 has been installed, uninstall it and reinstall ver. 6.0.



To get ver. 6.0, click the icon, or contact to the nearest Toshiba Service Centre for further assistance.

Freezing windows opened (Cannot close the open windows)

This may happen occasionally.

In case of encountering this, follow the procedure below.

1. Press [Ctrl], [Alt] and [Delete] keys at the same time to engage windows security windows.
2. Then, choose TASK manager and Application tab, and select TOSHIBA SERVICE MANUAL-Microsoft Internet Explorer. 
3. Click TASK-end.

Main Window back forwarded

The real cause has not been found yet but with this condition, nothing disturbs the service manual operation.

Continue to use by operating the windows.

Precaution when opening the diagrams

While opening the diagrams, the menu in the left frame changes its color to GRAY. This is an indication that the viewer is processing.

With this condition, the menu indication color may stick to the GRAY color or Windows may freeze if clicking other menu.

To avoid such things, do not operate any others while menu turns GRAY color.

If entering this, re-open the service manual or refresh the left frame.

GREEN PRODUCT PROCUREMENT

The EC is actively promoting the WEEE & RoHS Directives that define standards for recycling and reuse of Waste Electrical and Electronic Equipment and for the Restriction of the use of certain Hazardous Substances. From July 1, 2006, the RoHS Directive will prohibit any marketing of new products containing the restricted substances.

Increasing attention is given to issues related to the global environmental. Toshiba Corporation recognizes environmental protection as a key management tasks, and is doing its utmost to enhance and improve the quality and scope of its environmental activities. In line with this, Toshiba proactively promotes Green Procurement, and seeks to purchase and use products, parts and materials that have low environmental impacts.

Green procurement of parts is not only confined to manufacture. The same green parts used in manufacture must also be used as replacement parts.

LEAD-FREE SOLDER

This product is manufactured using lead-free solder as a part of a movement within the consumer products industry at large to be environmentally responsible. Lead-free solder must be used in the servicing and repair of this product.

WARNING: This product is manufactured using lead free solder.
DO NOT USE LEAD BASED SOLDER TO REPAIR THIS PRODUCT!

The melting temperature of lead-free solder is higher than that of leaded solder by 86°F to 104°F (30°C to 40°C). Use of a soldering iron designed for lead-based solders to repair product made with lead-free solder may result in damage to the component and or PCB being soldered. Great care should be made to ensure high-quality soldering when servicing this product especially when soldering large components, through-hole pins, and on PCBs as the level of heat required to melt lead-free solder is high.

SAFETY INSTRUCTION

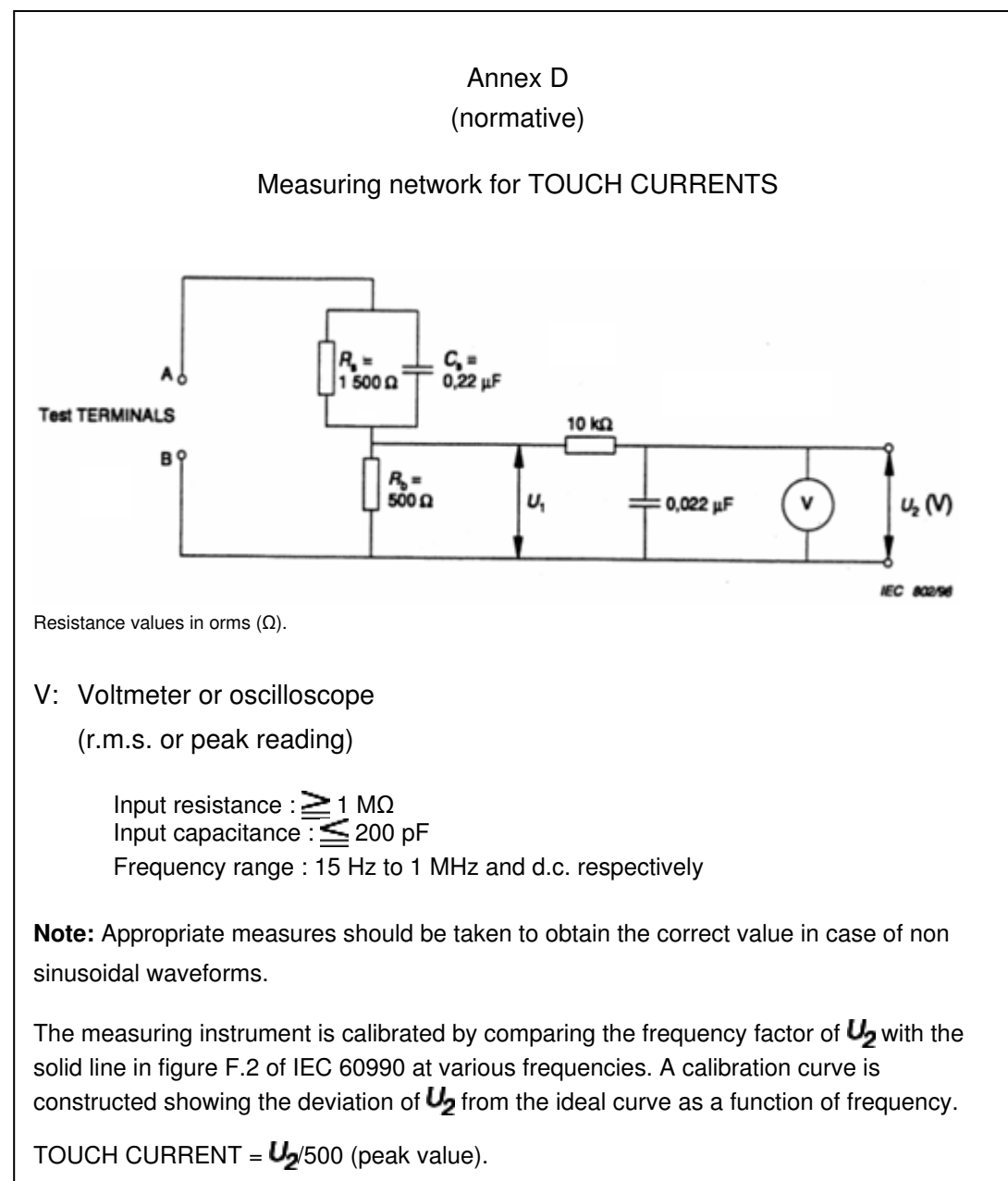
WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" INSTRUCTIONS BELOW.

Safety Precaution

WARNING: SERVICING SHOULD NOT BE ATTEMPTED BY ANYONE UNFAMILIAR WITH THE NECESSARY PRECAUTIONS ON THIS RECEIVER. THE FOLLOWING ARE THE NECESSARY PRECAUTIONS TO BE OBSERVED BEFORE SERVICING THIS CHASSIS.

1. An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the receiver.
2. Always disconnect the power plug before any disassembling of the product. It may result in electrical shock.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are put back in place, such as nonmetallic control knobs, insulating covers, shields, isolation resistor-capacitor network, etc.
4. Always keep tools, components of the product, etc away from the children, These items may cause injury to children.
5. Depending on the model, use an isolation transformer or wear suitable gloves when servicing with the power on, and disconnect the power plug to avoid electrical shock when replacing parts. In some cases, alternating current is also impressed in the chassis, so electrical shock is possible if the chassis is contacted with the power on.
6. Always use the replacement parts specified for the particular model when making repairs. The parts used in products require special safety characteristics such as inflammability, voltage resistance, etc. therefore, use only replacement parts that have these same characteristics. Use only the specified parts when the ⚠ mark is indicated in the circuit diagram or parts list.
7. Parts mounting and routing dressing of wirings should be the same as that used originally. For safety purposes, insulating materials such as isolation tube or tape are sometimes used and printed circuit boards are sometimes mounted floating. Also make sure that wirings is routed and clamped to avoid parts that generate heat and which use high voltage. Always follow the manufactured wiring routes / dressings.
8. Always ensure that all internal wirings are in accordance before re-assembling the external casing after a repairing completed. Do not allow internal wiring to be pinched by cabinets, panels, etc. Any error in reassembly or wiring can result in electrical leakage, flame, etc., and may be hazardous.
9. NEVER remodel the product in any way. Remodeling can result in improper operation, malfunction, or electrical leakage and flame, which may be hazardous.

10. Touch current check. (After completing the work, measure touch current to prevent an electric shock.)
 - Plug the AC cord directly into the AC outlet. Do NOT use an isolation transformer for this check.
 - Connect a measuring network for touch currents between each exposed metallic part on the set and a good earth ground such as a water pipe.



- The potential at any point (TOUCH CURRENT) expressed as voltage U_1 and U_2 does not exceed the following value:

The part or contact of a TERMINAL is not HAZARDOUS LIVE if:

- a) The open-circuit voltage should not exceed 35 V (peak) a.c. or 60 V d.c. or, if a) is not met.
- b) The measurement of the TOUCH CURRENT shall be carried out in accordance with IEC 60990, with the measuring network described in **Annex D** of this standard.

The TOUCH CURRENT expressed as voltages U_1 and U_2 , does not exceed the following values:

- for a.c. : $U_1 = 35 \text{ V}$ (peak) and $U_2 = 0.35 \text{ V}$ (peak);
- for d.c. : $U_1 = 1.0 \text{ V}$

Note: The limit values of $U_2 = 0.35 \text{ V}$ (peak) for a.c. and $U_1 = 1.0 \text{ V}$ for d.c. correspond to the values 0.7 mA (peak) a.c. and 2.0 mA d.c.

Product Safety Notice

Many electrical and mechanical parts in this chassis have special safety-related

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

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

SAFETY INSTRUCTION

Handling the LCD Module

Safety Precaution

In the event that the screen is damaged or the liquid crystal (fluid) leaks, do not breathe in or drink this fluid.

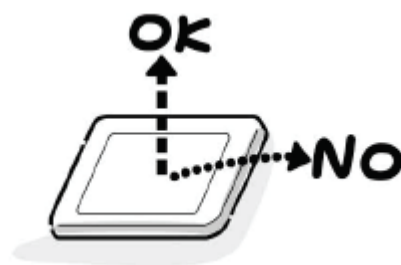
Also, never touch this fluid. Such actions could cause toxicity or skin irritation. If this fluid should enter the mouth, rinse the mouth thoroughly with water. If the fluid should contact the skin or clothing, wipe off with alcohol, etc., and rinse thoroughly with water. If the fluid should enter the eyes, immediately rinse the eyes thoroughly with running water.

Precautions for Handling the LCD Module

CAUTION: The metal edges of the LCD module are sharp, handle it with care.

The LCD module can easily be damaged during disassembly or reassembly; therefore, always observe the following precautions when handling the module.

1. When attaching the LCD module to the LCD cover, position it appropriately and fasten at the position where the display can be viewed most conveniently.



2. Carefully align the holes at all four corners of the LCD module with the corresponding holes in the LCD cover and fasten with screws. Do not strongly push on the module because any impact can adversely affect the performance. Also use caution when handling the polarized screen because it can easily be damaged.



3. If the panel surface becomes soiled, wipe with cotton or a soft cloth. If this does not remove the soiling, breathe on the surface and then wipe again.
If the panel surface is extremely soiled, use a CRT cleaner as a cleaner. Wipe off the panel surface by drop the cleaner on the cloth. Do not drop the cleaner on the panel. Pay attention not to scratch the panel surface.



4. Leaving water or other fluids on the panel screen for an extended period of time can

result in discoloration or stripes. Immediately remove any type of fluid from the screen.



5. Glass is used in the panel, so do not drop or strike with hard objects. Such actions can damage the panel.



6. CMOS-LSI circuitry is used in the LCD module, so avoid damage due to static electricity. When handling the module, use a wrist ground or anchor ground.



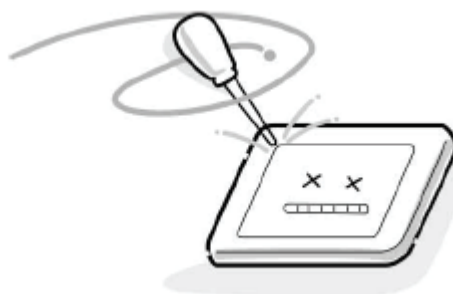
7. Do not expose the LCD module to direct sunlight or strong ultraviolet rays for an extended period of time.



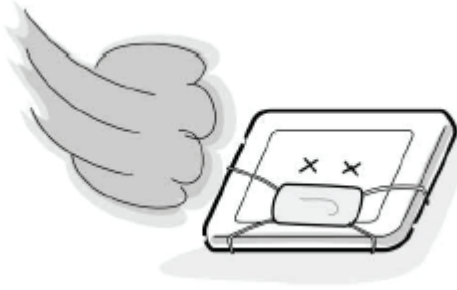
8. Do not store the LCD module below the temperature conditions described in the specifications. Failure to do so could result in freezing of the liquid crystal due to cold air or loss of resilience or other damage.



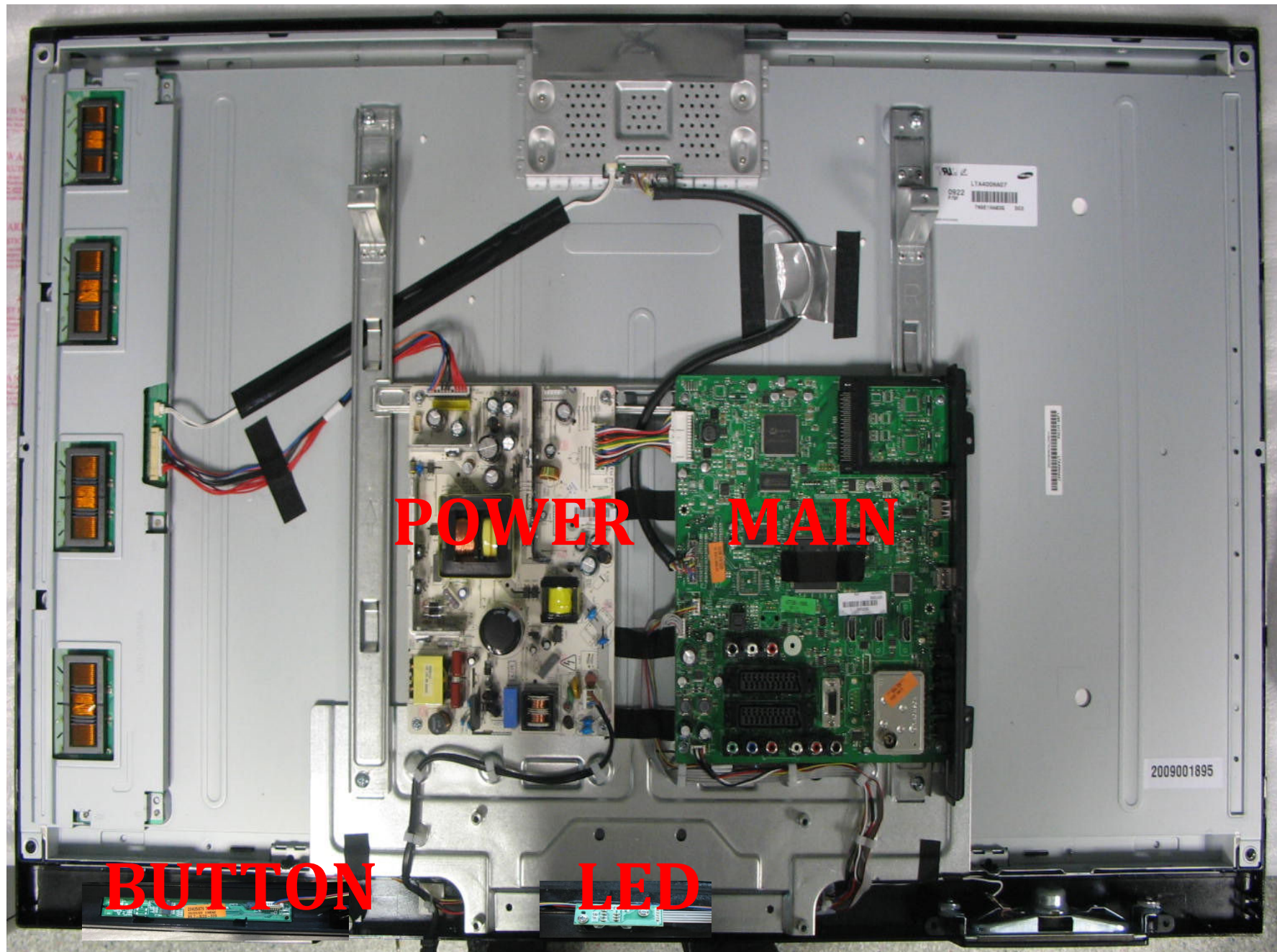
9. Do not disassemble the LCD module. Such actions could result in improper operation.



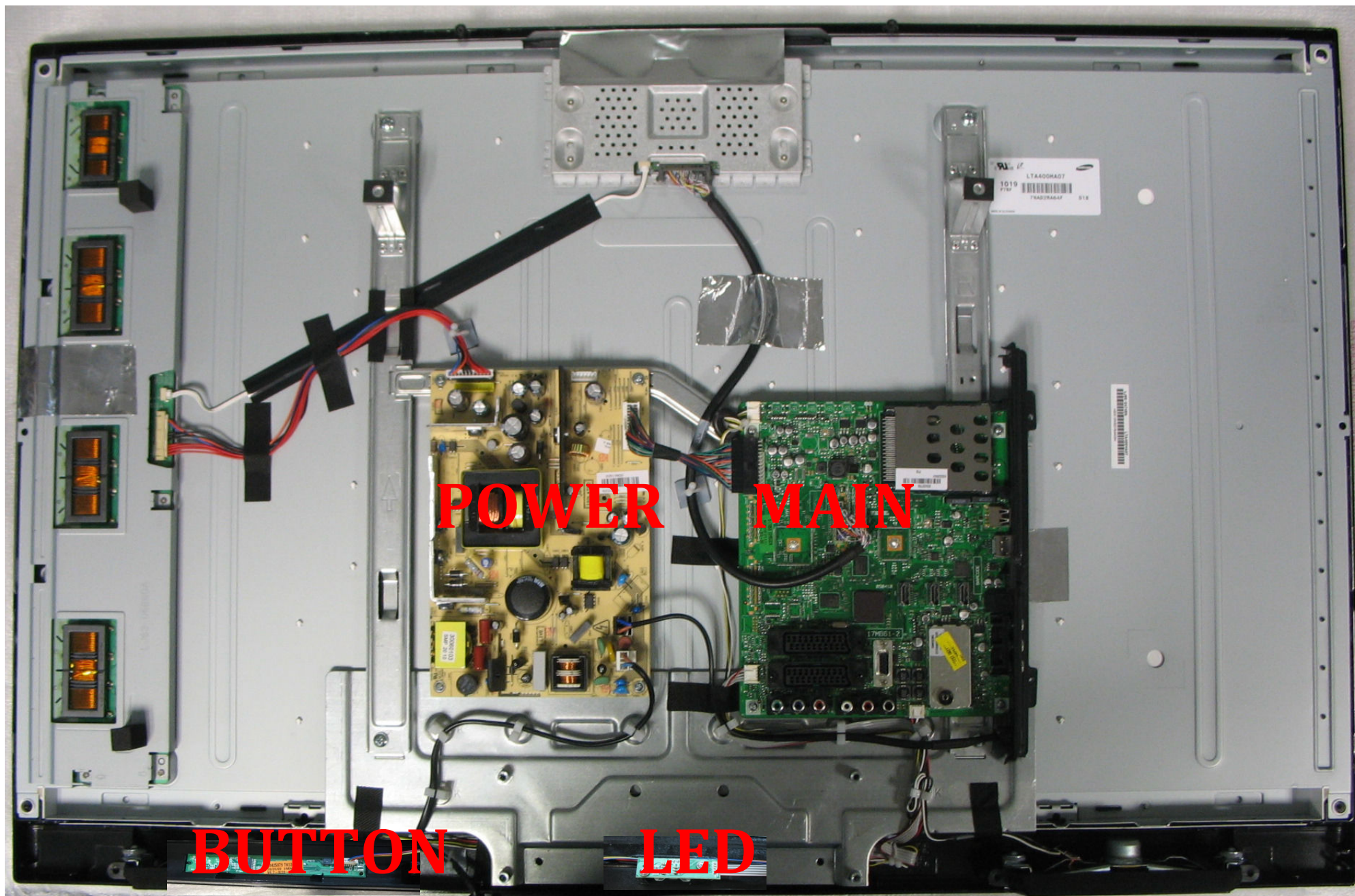
10. When transporting the LCD module, do not use packing containing epoxy resin (amine) or silicon resin (alcohol or oxim). The gas generated by these materials can cause loss of polarity.

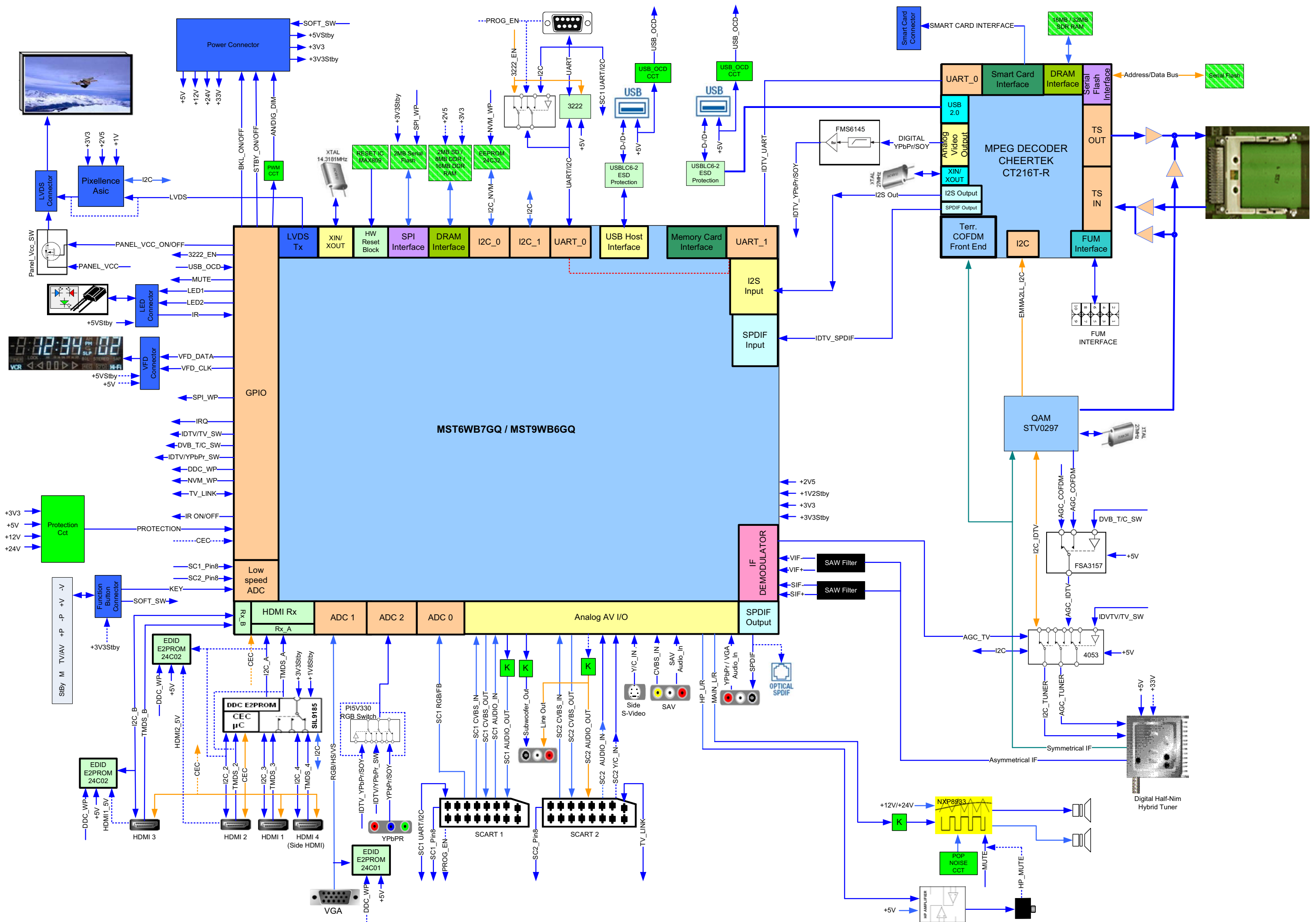


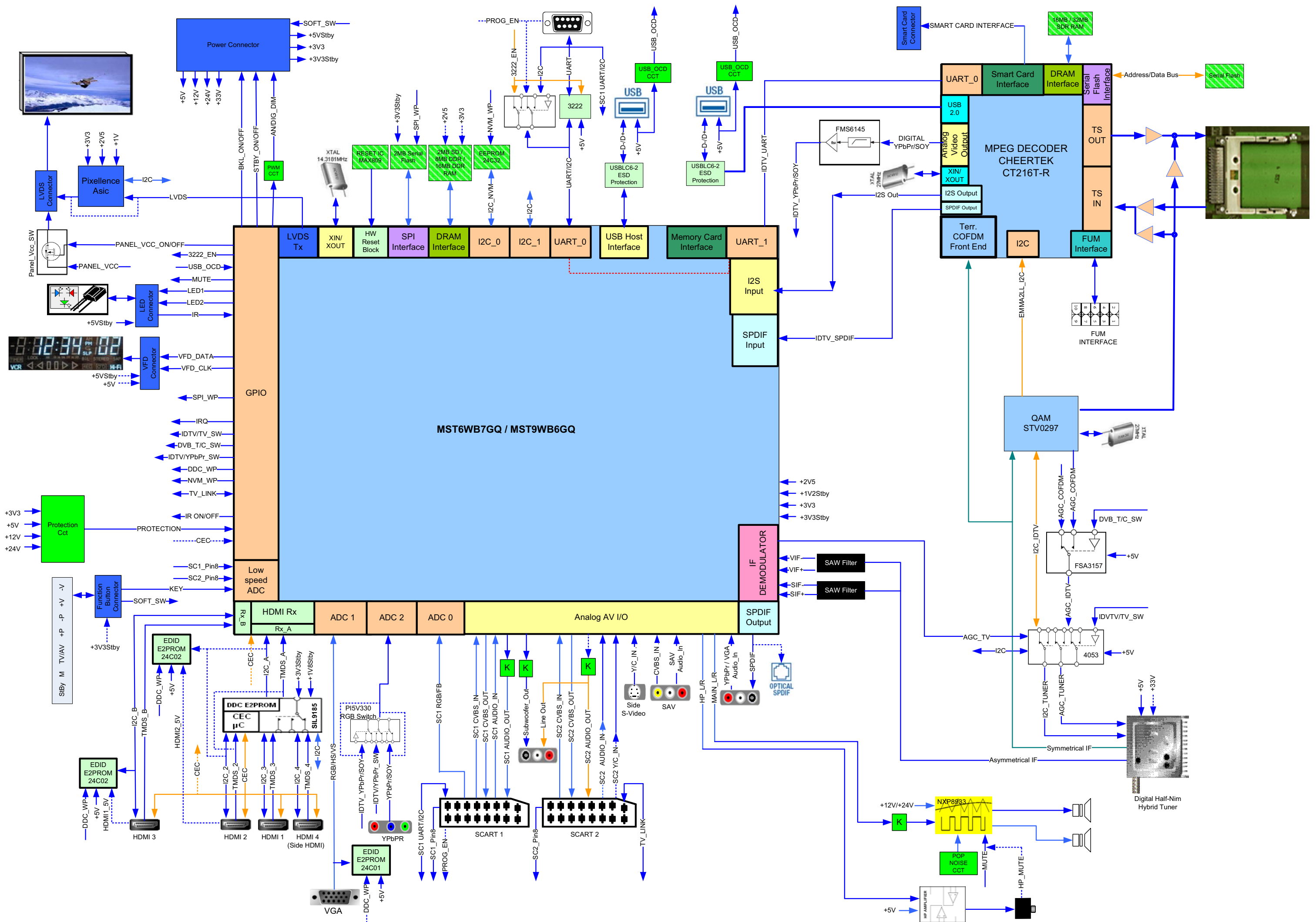
40BV700B

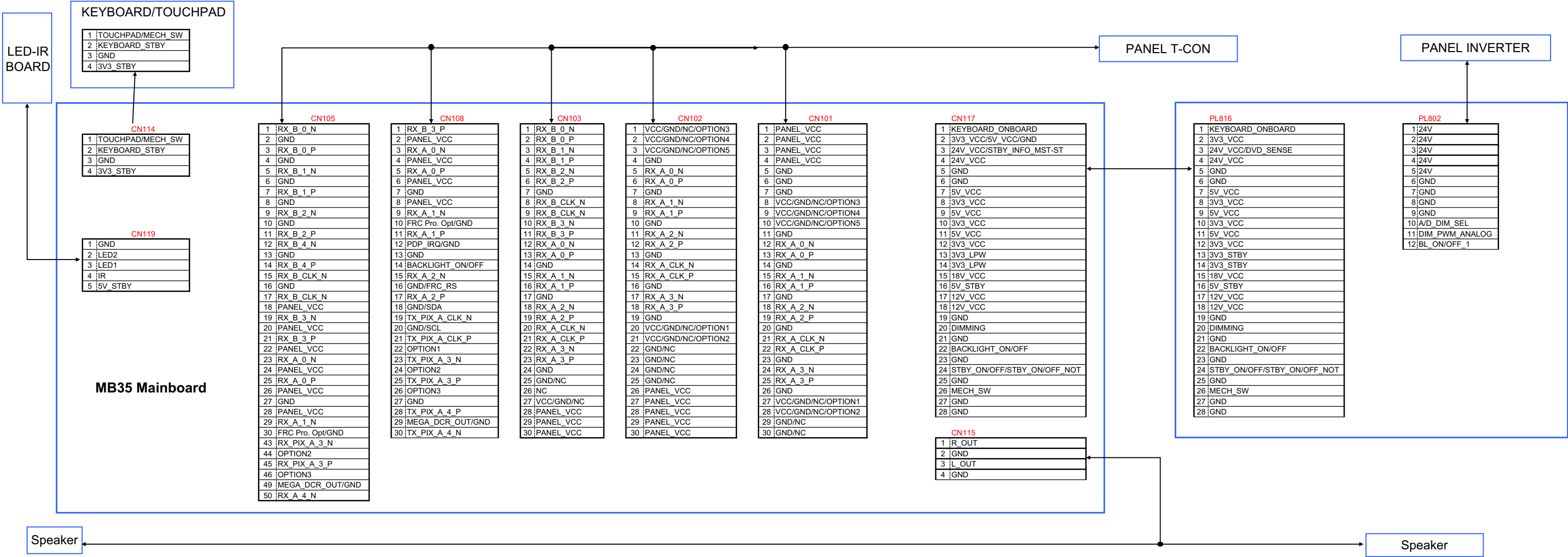


40BV700F/40BV700G









SCHEMATIC DIAGRAM

Precaution

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "X-RAY RADIATION PRECAUTION" FOR DIRECT VIEW CTV ONLY, "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE" OF THIS MANUAL.

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the SAFETY PRECAUTION and PRODUCT SAFETY NOTICE.

Do not degrade the safety of the receiver through improper servicing.

Note:

1. RESISTOR

Resistance is shown in ohm [K=1,000, M=1,000,000]. All resistors are 1/6 W and 5 % tolerance carbon resistor, unless otherwise noted as the following marks.

1/2R : Metal or Metal oxide of 1/2 watt

1/2S : Carbon composition of 1/2 watt

1RF : Fuse resistor of 1 watt

10 W : Cement of 10 watt

K : $\pm 10\%$

G : $\pm 2\%$

F : $\pm 1\%$

2. CAPACITOR

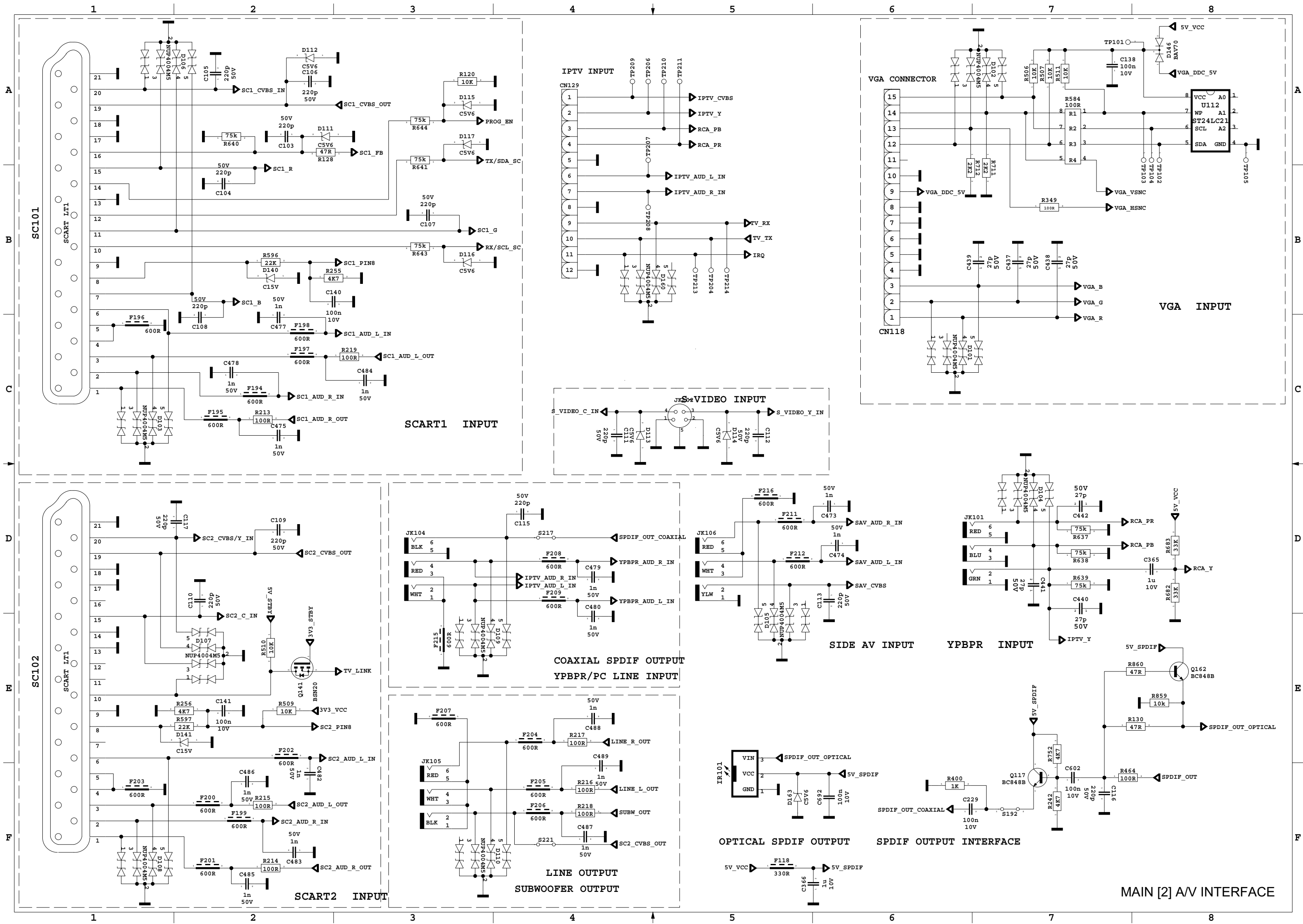
Unless otherwise noted in schematic, all capacitor values less than 1 are expressed in μF , and the values more than 1 in pF.

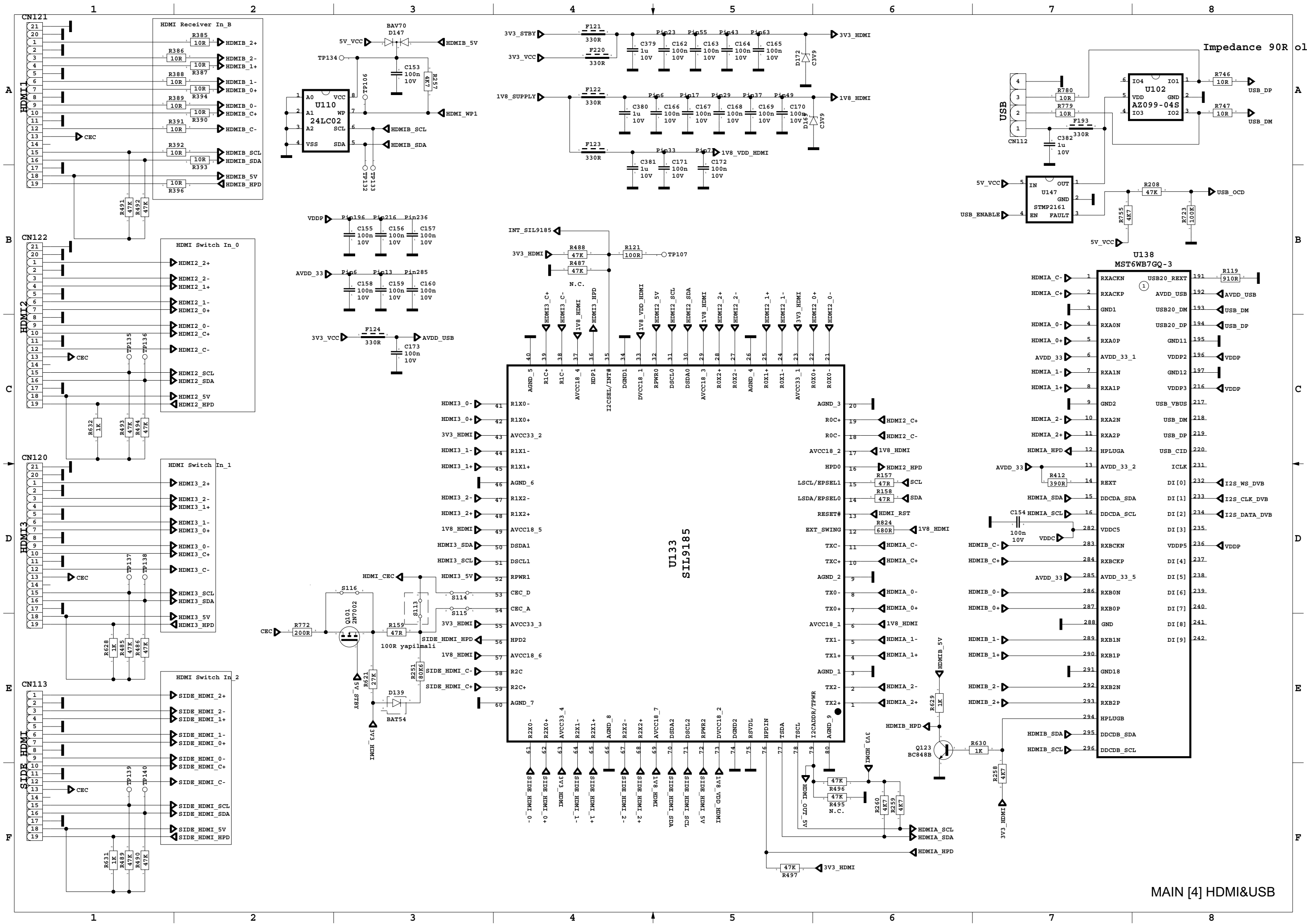
All capacitors are ceramic 50 V, unless otherwise noted as the following marks.

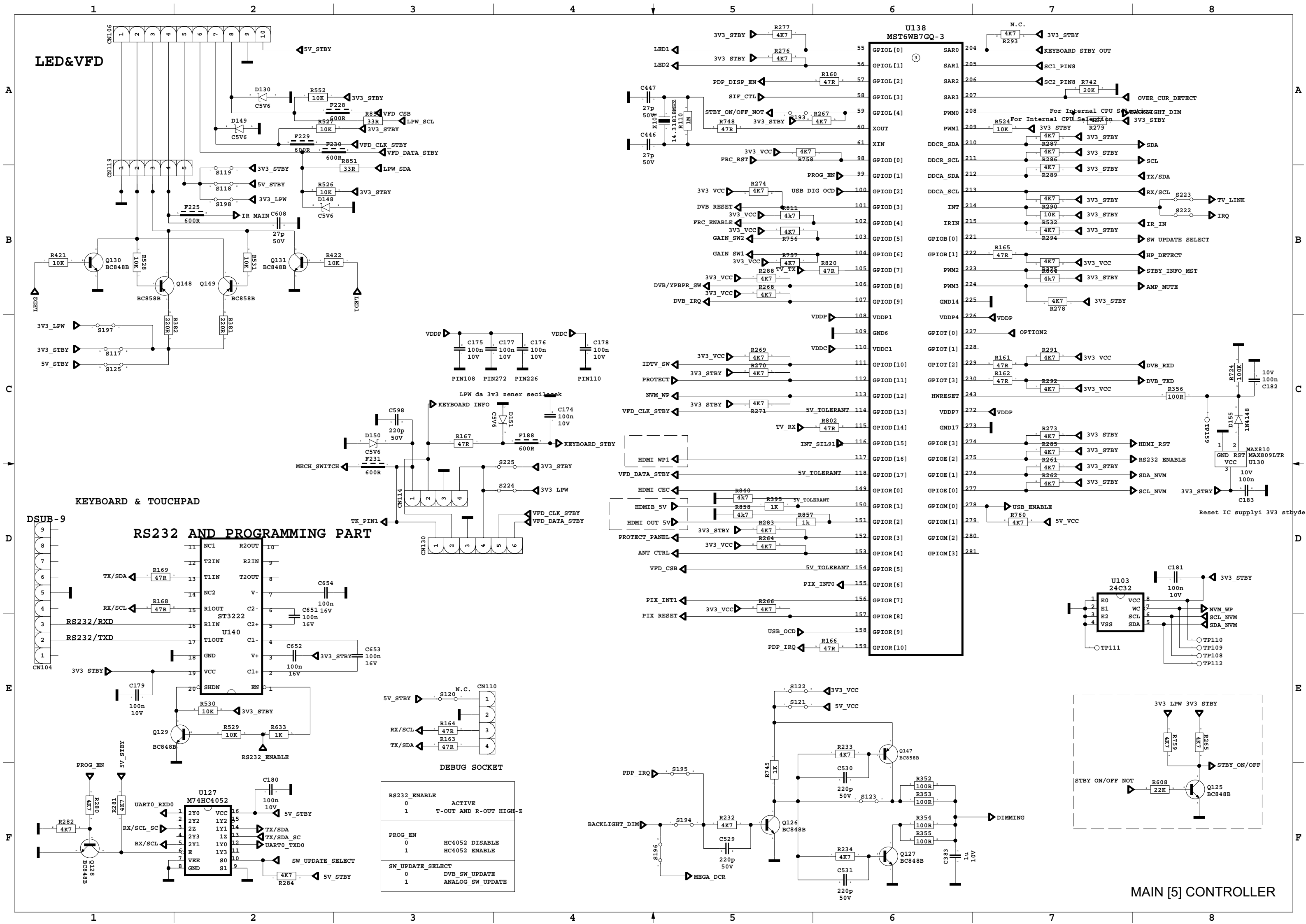
 = Electrolytic capacitor

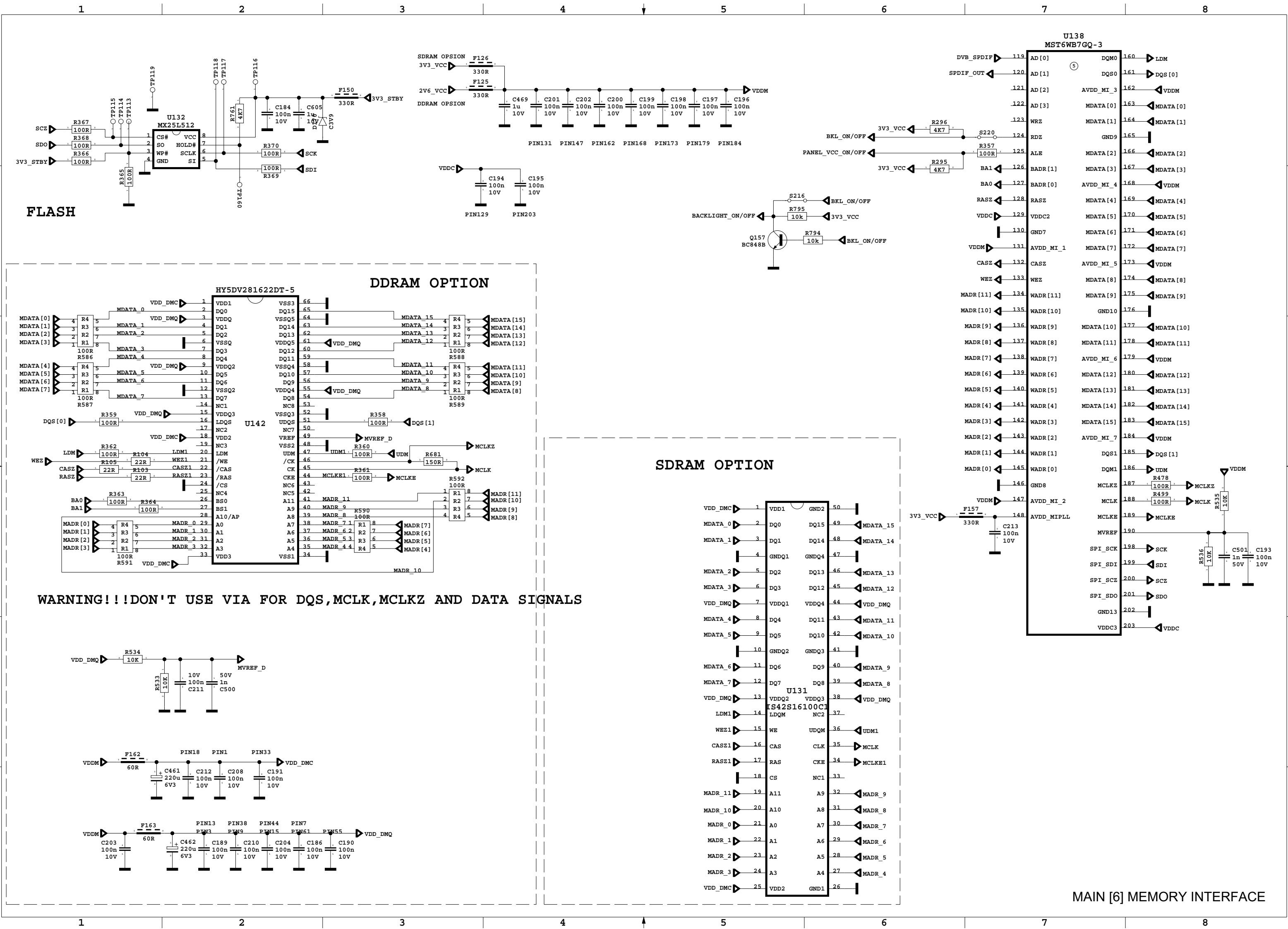
 = Mylar capacitor

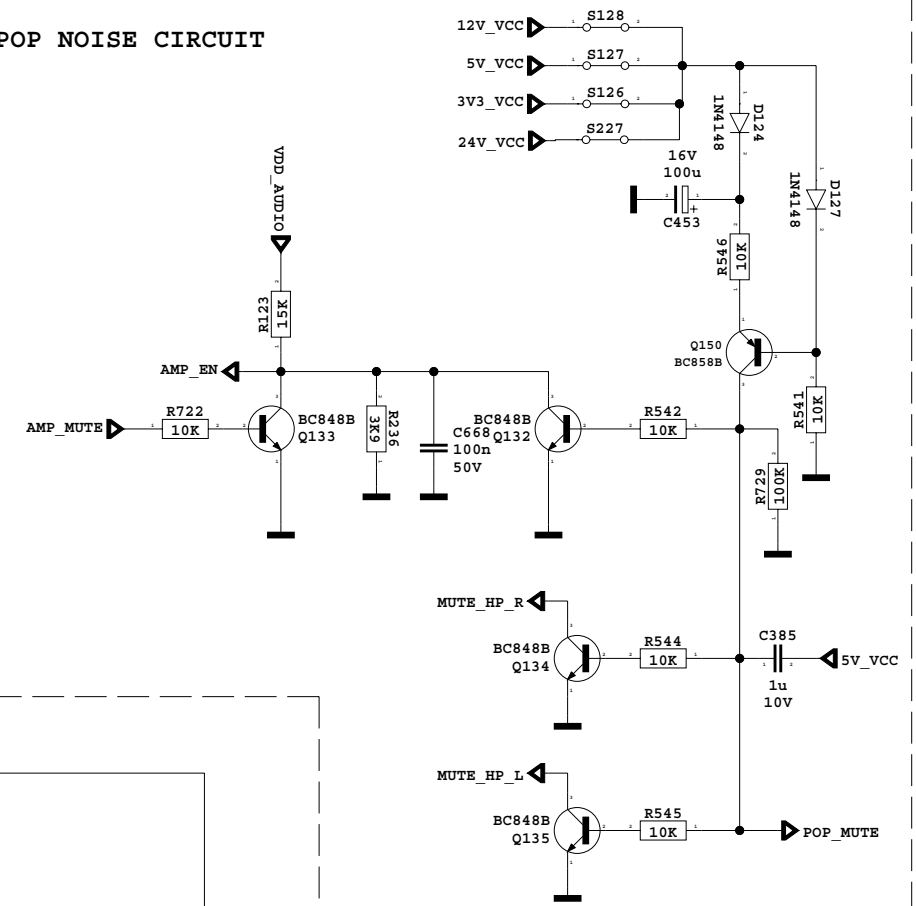
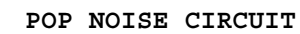
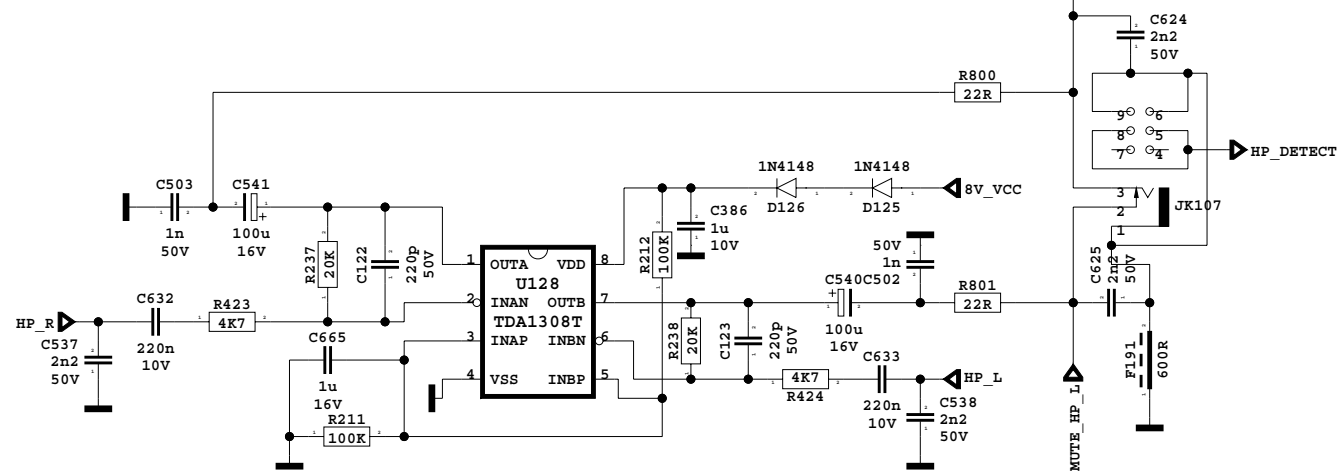
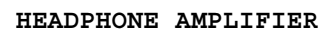
- The parts indicated with "⚠" have special characteristics, and should be replaced with identical parts only.
- Voltages read with DIGITAL MULTI-METER from point indicated to chassis ground, using a color bar signal with all controls at normal, line voltage at nominal AC volts.
- Waveforms are taken receiving color bar signal with enough sensitivity.
- Voltage reading shown are nominal values and may vary $\pm 20\%$ except H.V.



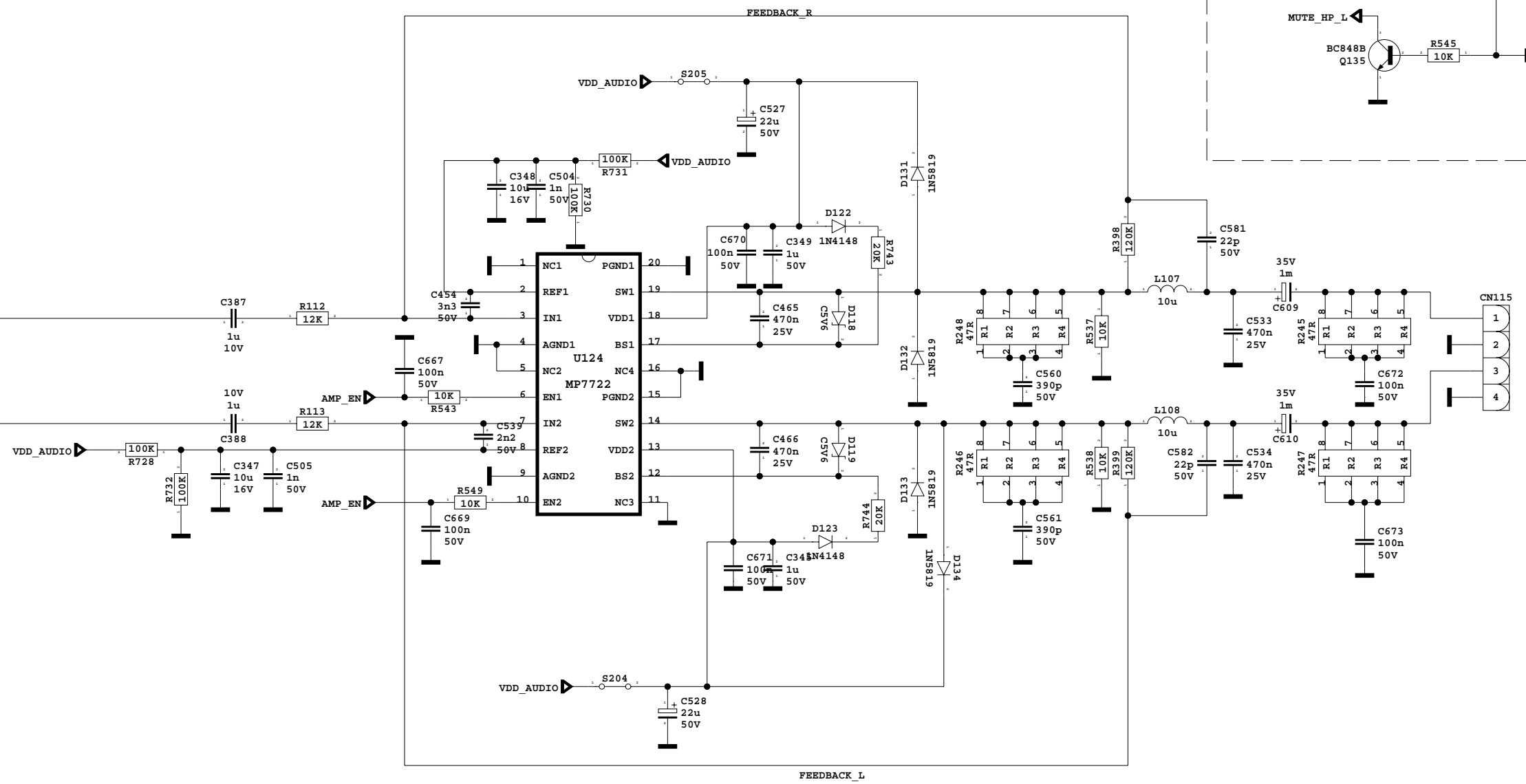
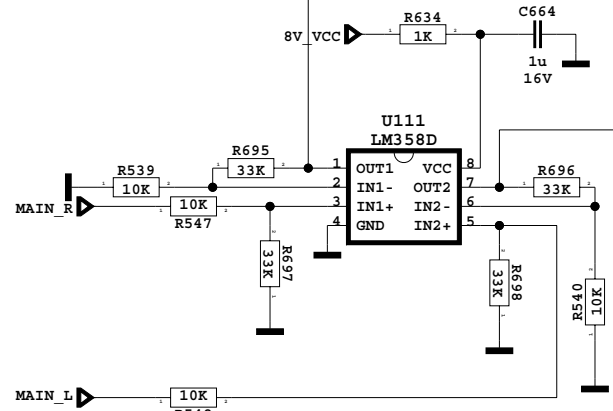




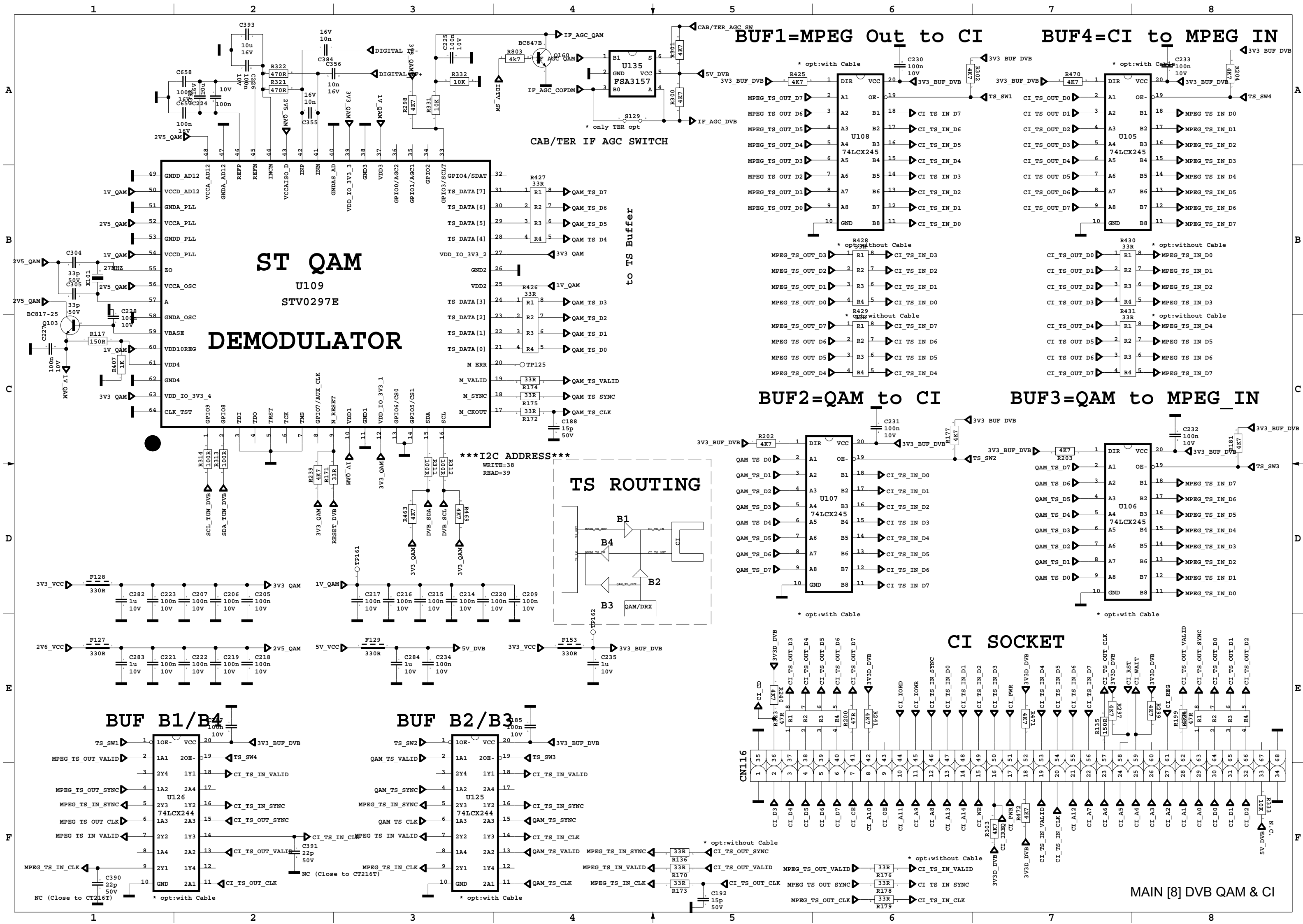


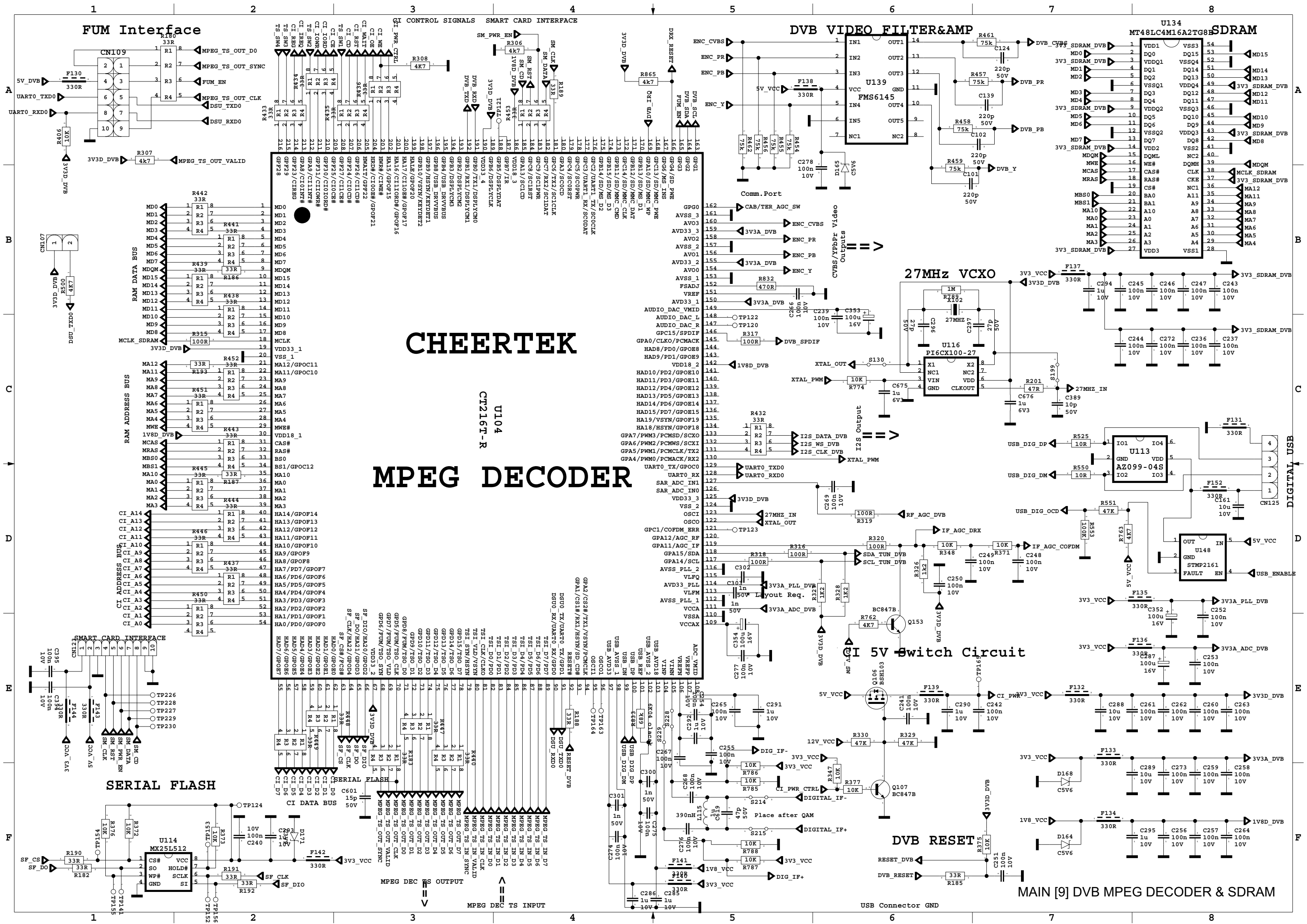


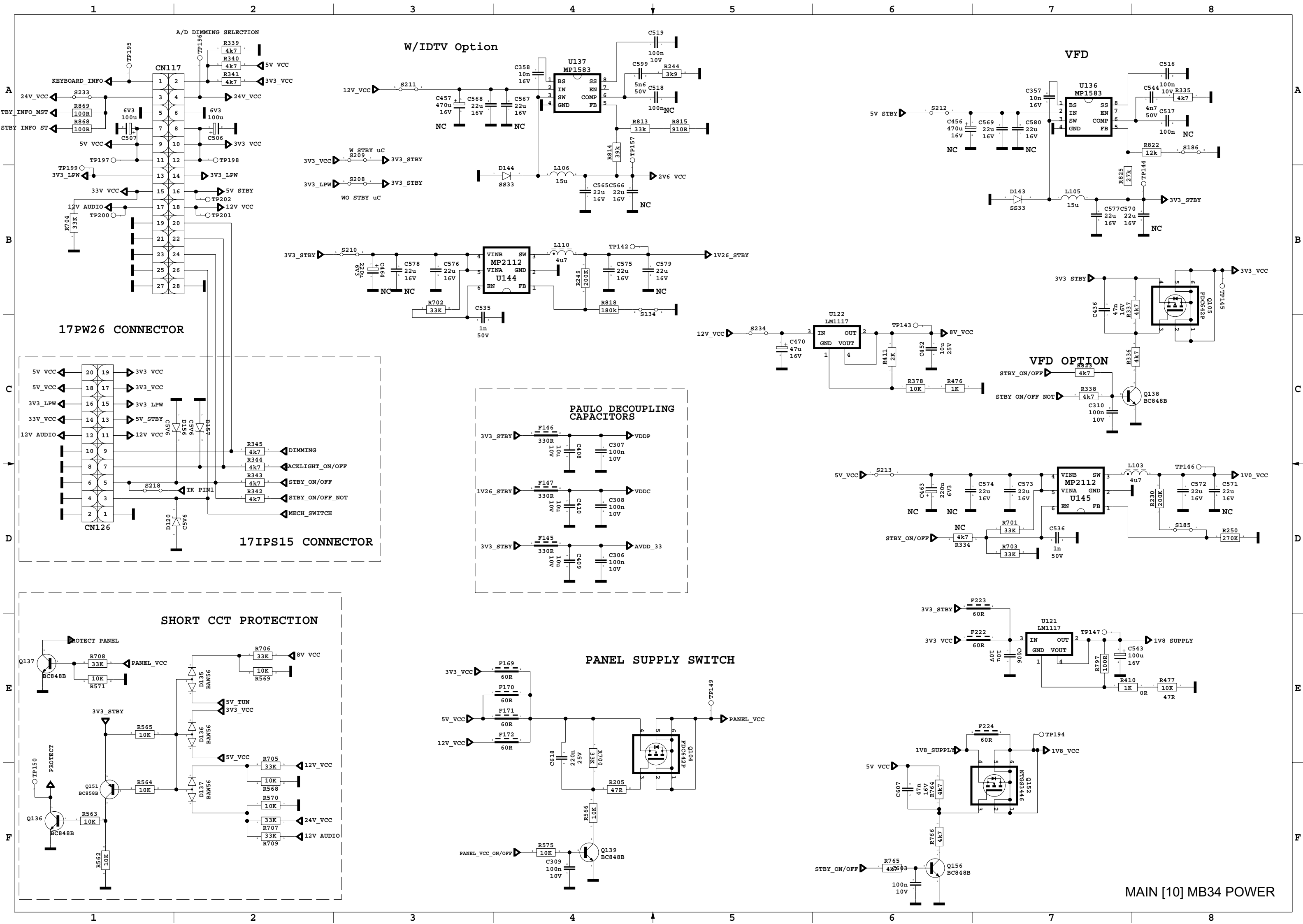
Preamplifier MP7722'ye yakýn olacak.

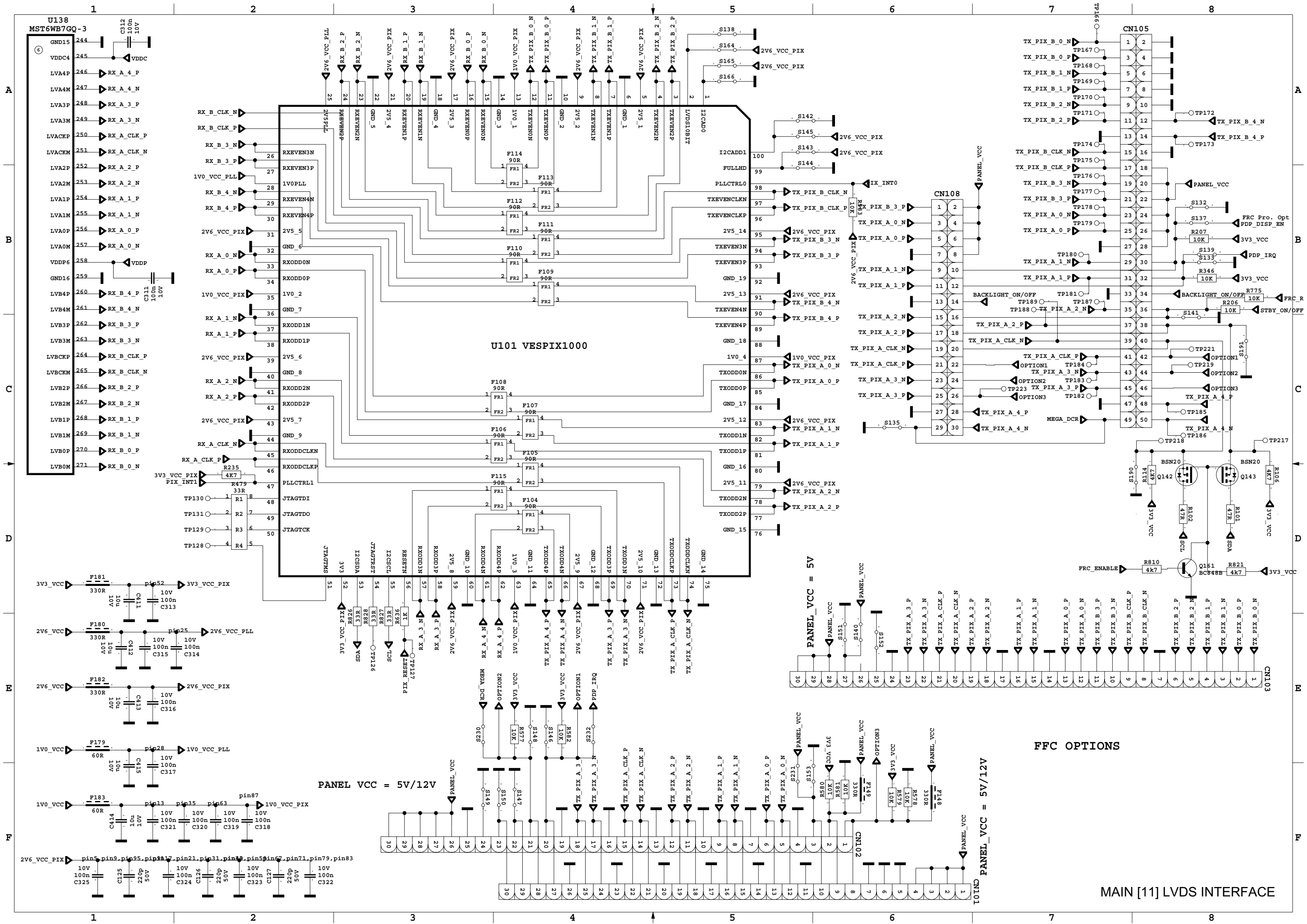


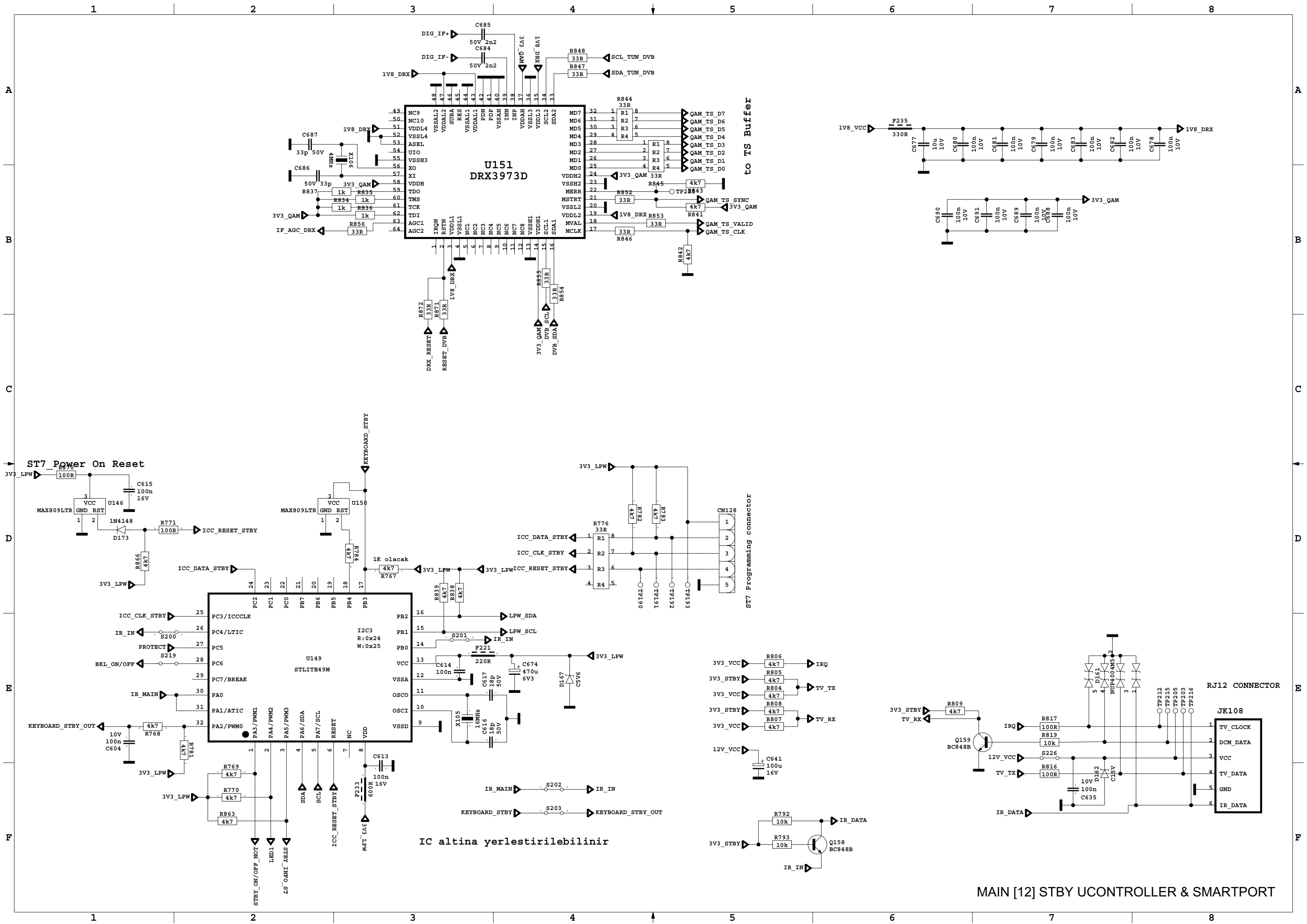
MAIN [7] AUDIO

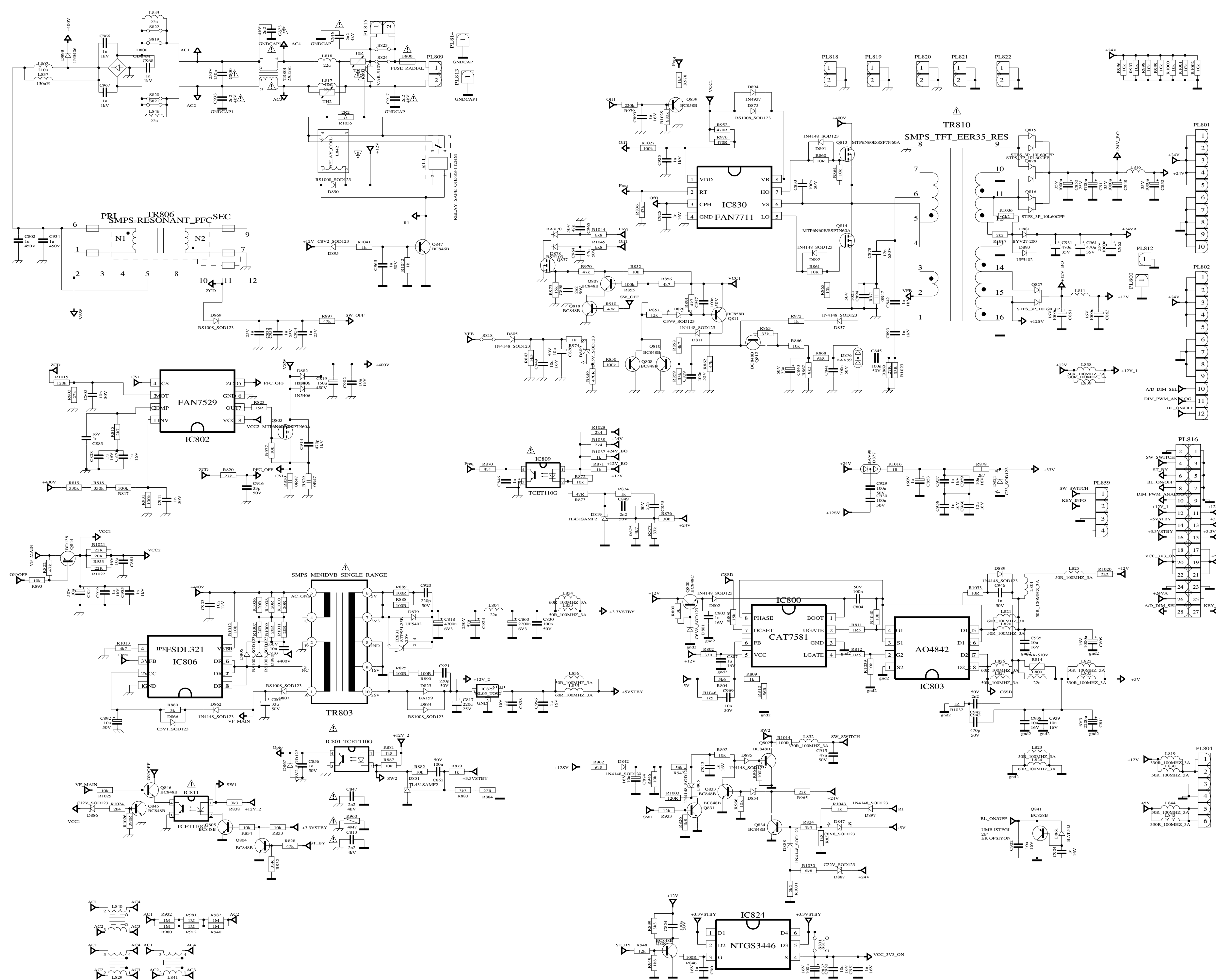


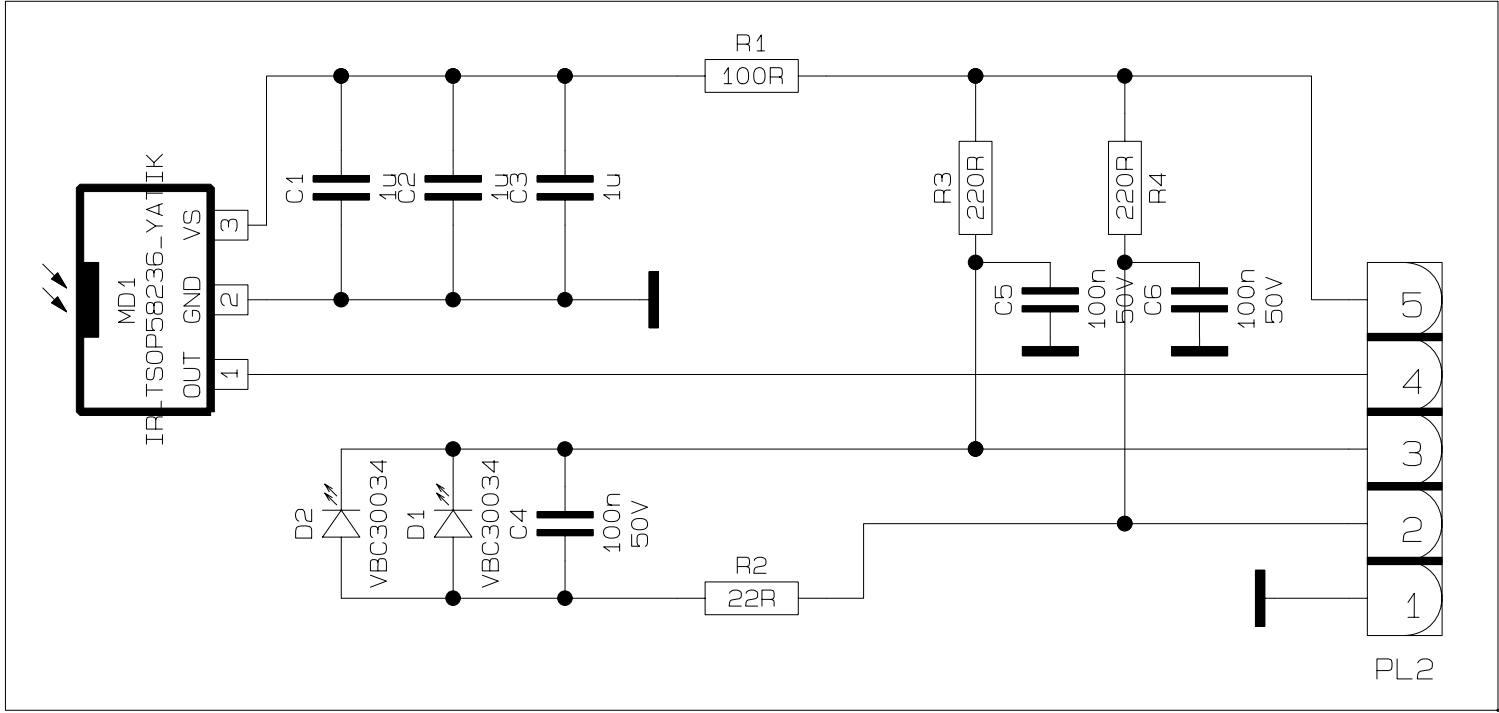




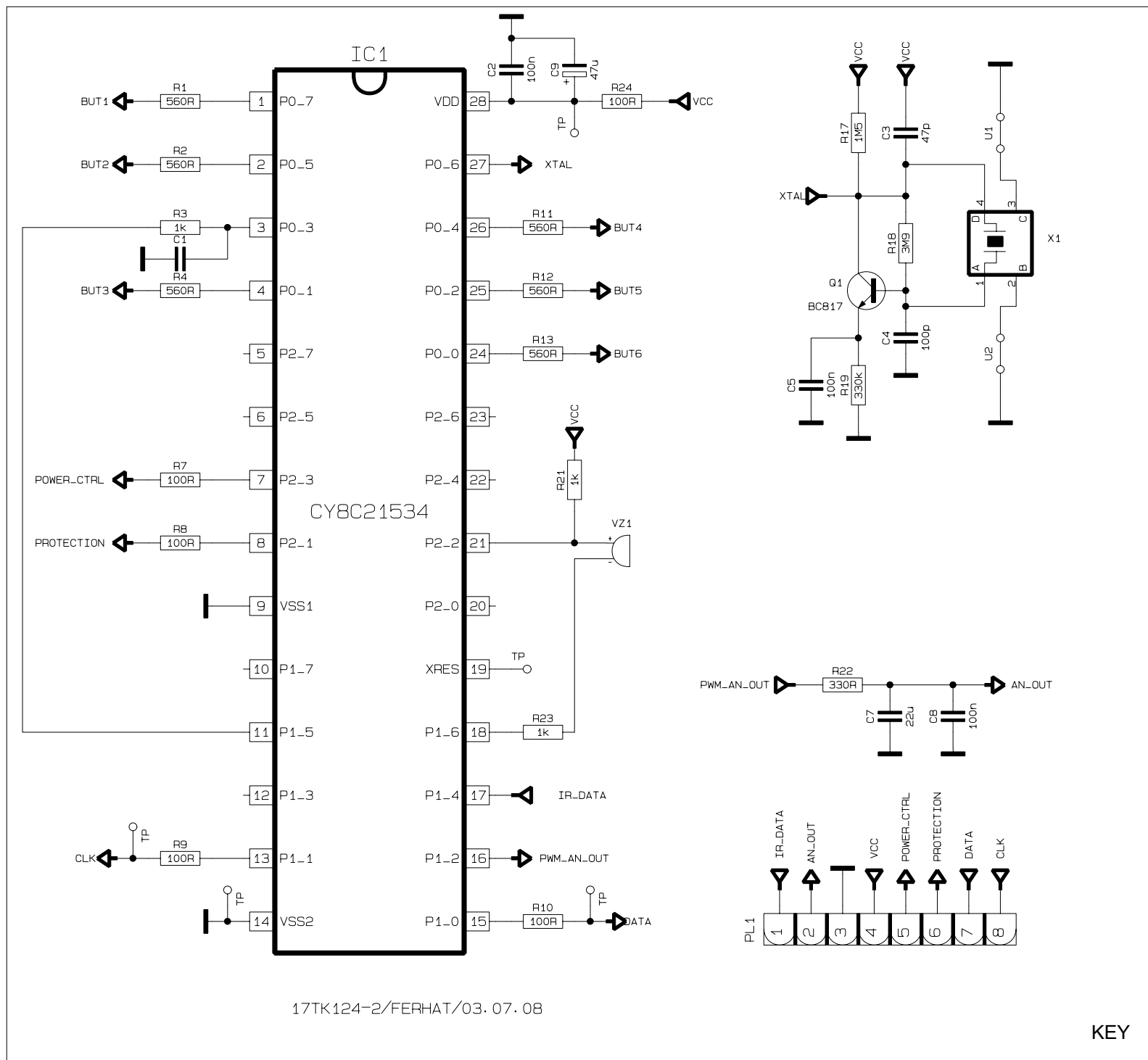








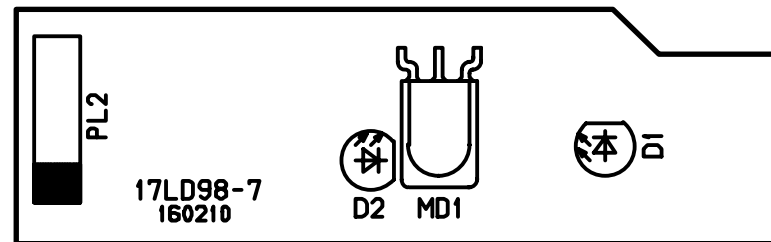
IR/LED [1]



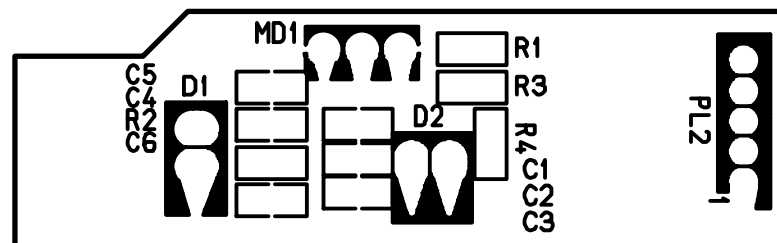
[illegible]

17PW26-4 v.2 050510
PL802

LED [Top]



LED [Bottom]



DIGITAL SOFTWARE UPDATE FROM VGA

Adjusting DTV Download Mode:

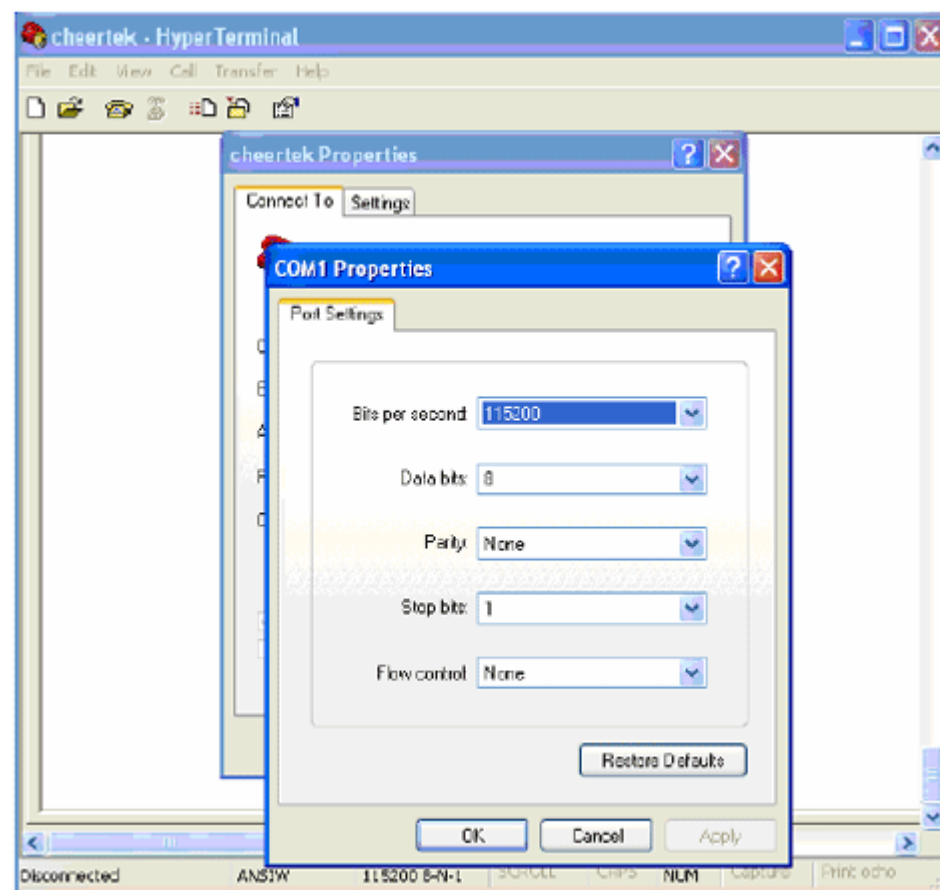
1. Power on the TV.
2. Exit the Stby Mode.
3. Enter the "Tv Menu".
4. Enter "4725" for jumping to "Service Settings".
5. Select "8. Programming" step.
6. Change "6. DTV Download" to "On".
7. Switch to the Stby mode.

Adjusting HyperTerminal:

1. Connect the "MB35 SCART Interface" to PC input via cable as seen in picture.



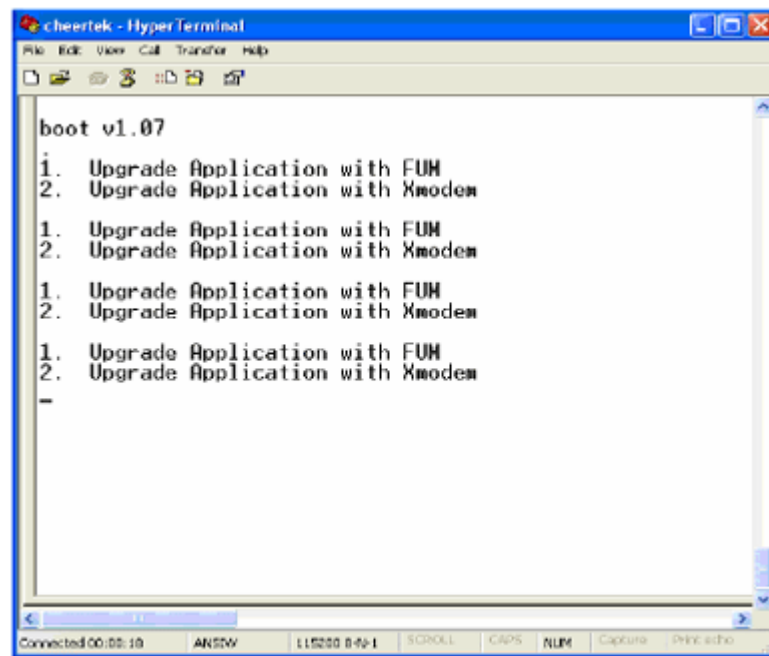
2. Also connect the "MB35 SCART Interface" to PC.
3. Open "HyperTerminal".
4. Determine the "COM" settings listed and showed below.
 - Bit per second: 115200
 - Data bits: 8
 - Parity: None
 - Stop bits: 1
 - Flow control: None
5. Click OK



COM Properties Window

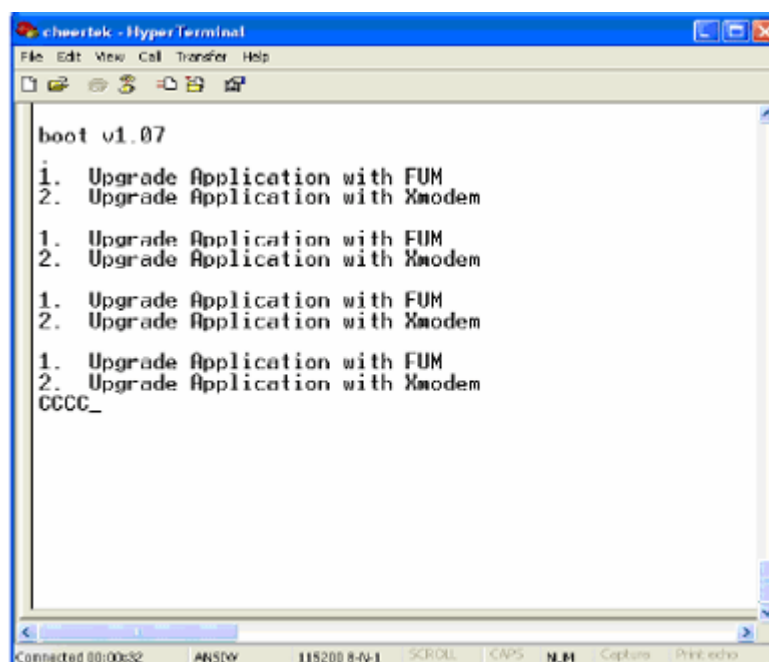
Software Updating Procedure

1. In the HyperTerminal Menu, click the "Connect" button.
2. Exit the Stby Mode.
3. The "Space" button on the keyboard must be pressed, when the following window can be seen.



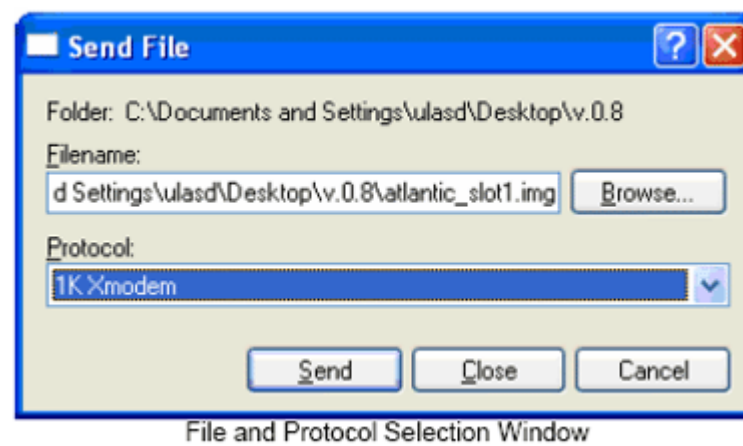
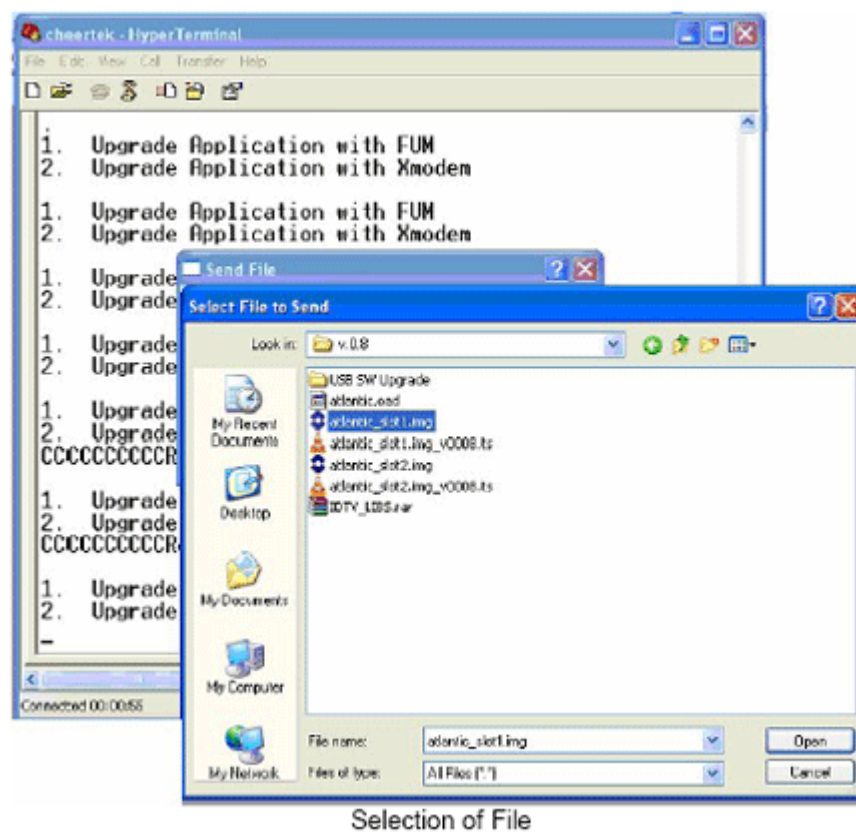
Selection Window

4. Press the "2" button on the keyboard for choosing "2. Upgrade Application with Xmodem".
5. Repeating "C" characters are seen in the "HyperTerminal" menu.

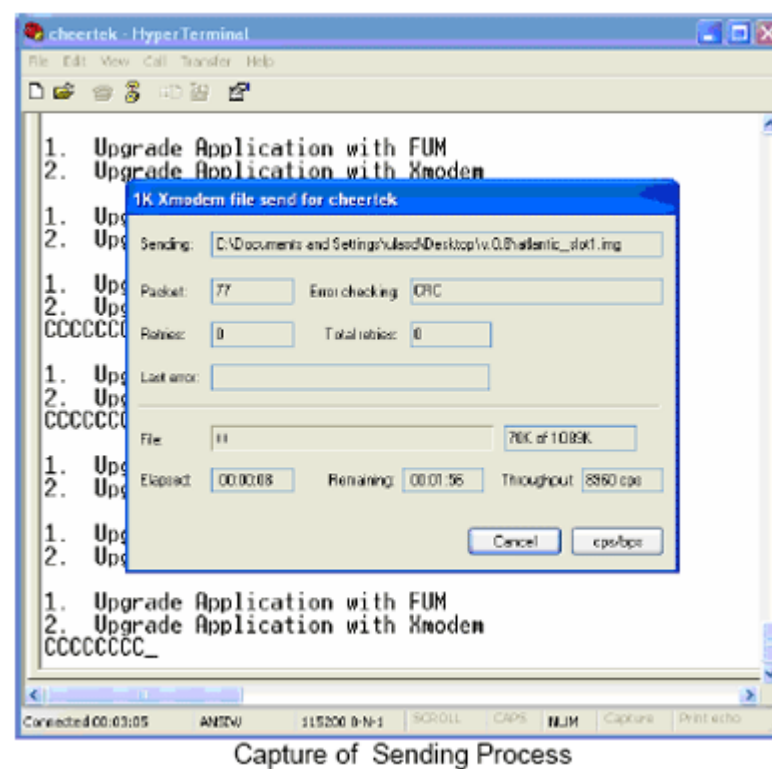


The Sample Output Before Sending The File

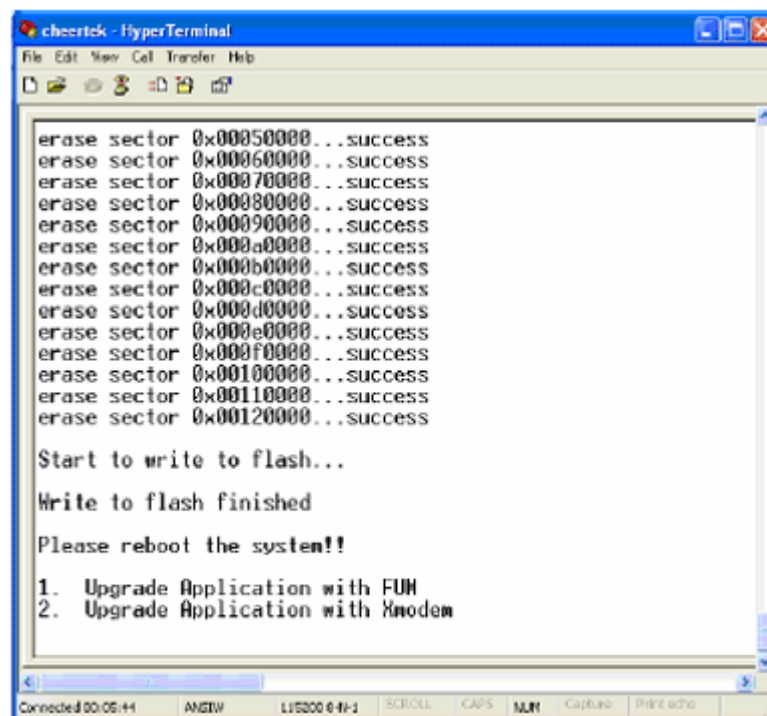
6. Click the "Send" button on the HyperTerminal.
7. Select the "Filename **XXXX**_slot1.img" using "Browse".
8. Choose the "1K Xmodem" from "Protocol" option.



9. When sending the file the following window must be seen.



10. After the sending process the following HyperTerminal window must be seen.



```
cheertek - HyperTerminal
File Edit View Cell Transfer Help
[Icons]
erase sector 0x00050000...success
erase sector 0x00060000...success
erase sector 0x00070000...success
erase sector 0x00080000...success
erase sector 0x00090000...success
erase sector 0x000a0000...success
erase sector 0x000b0000...success
erase sector 0x000c0000...success
erase sector 0x000d0000...success
erase sector 0x000e0000...success
erase sector 0x000f0000...success
erase sector 0x00100000...success
erase sector 0x00110000...success
erase sector 0x00120000...success

Start to write to flash...
Write to flash finished
Please reboot the system!!

1. Upgrade Application with FUN
2. Upgrade Application with Xmodem
Connected 20:05:44 ANSI 115200 8-N-1 SCROLL CAPS NUM Capture Print setup
```

Capture of End of The Sending Process

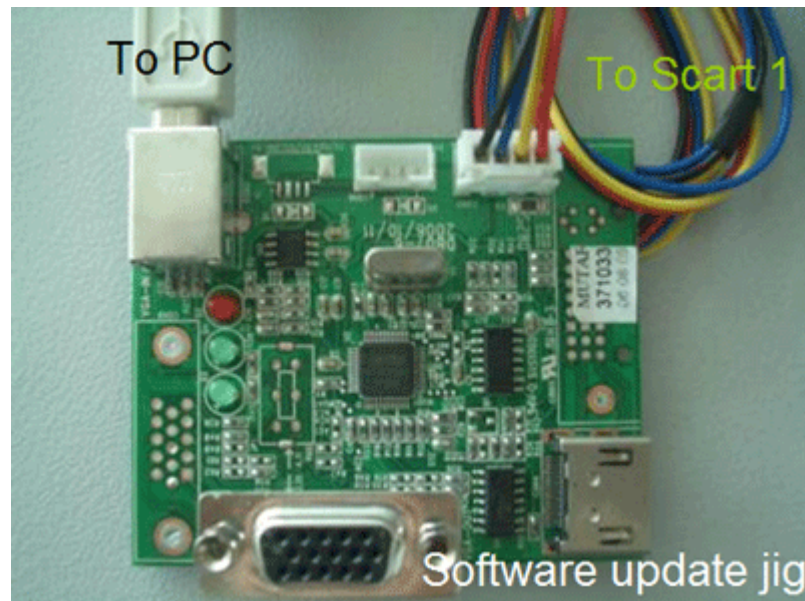
11. For sending second program file, the Software Updating Procedure must be repeated from the step **1**.
Select the "Filename **xxxx_slot2.img**" using "Browse".
12. After sending the second program file, the Software Updating Procedure will be successful.

Checking Of The New Software

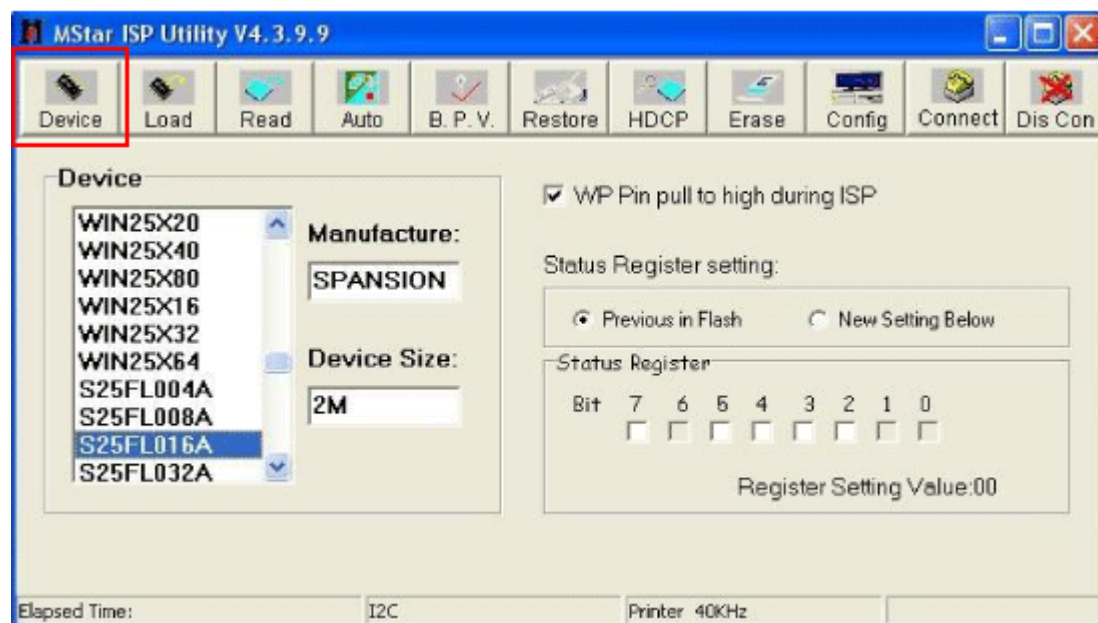
1. Turn off and on the TV.
2. Enter the "Setup" submenu in the "DTV Menu".
3. Choose the "Configuration" option.
4. For controlling new software, check the "Software Version" item in menu.

ANALOG SOFTWARE UPDATE FROM SCART

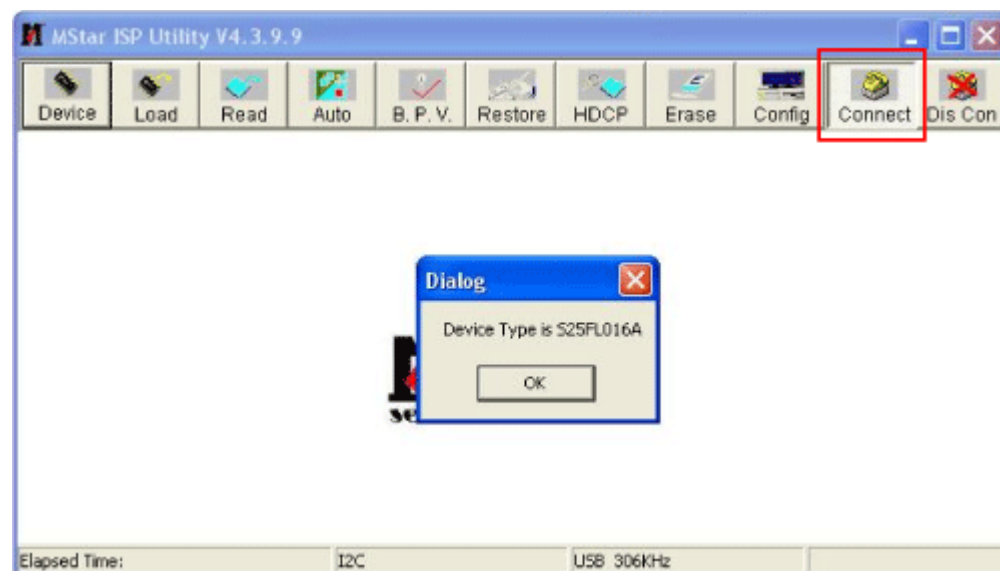
- First Install the driver of the software update jig into your PC.
Extract: DB07-6 driver.rar
- After all drivers are loaded into PC, connect the connectors one to PC via USB, the other connection to Scart1.



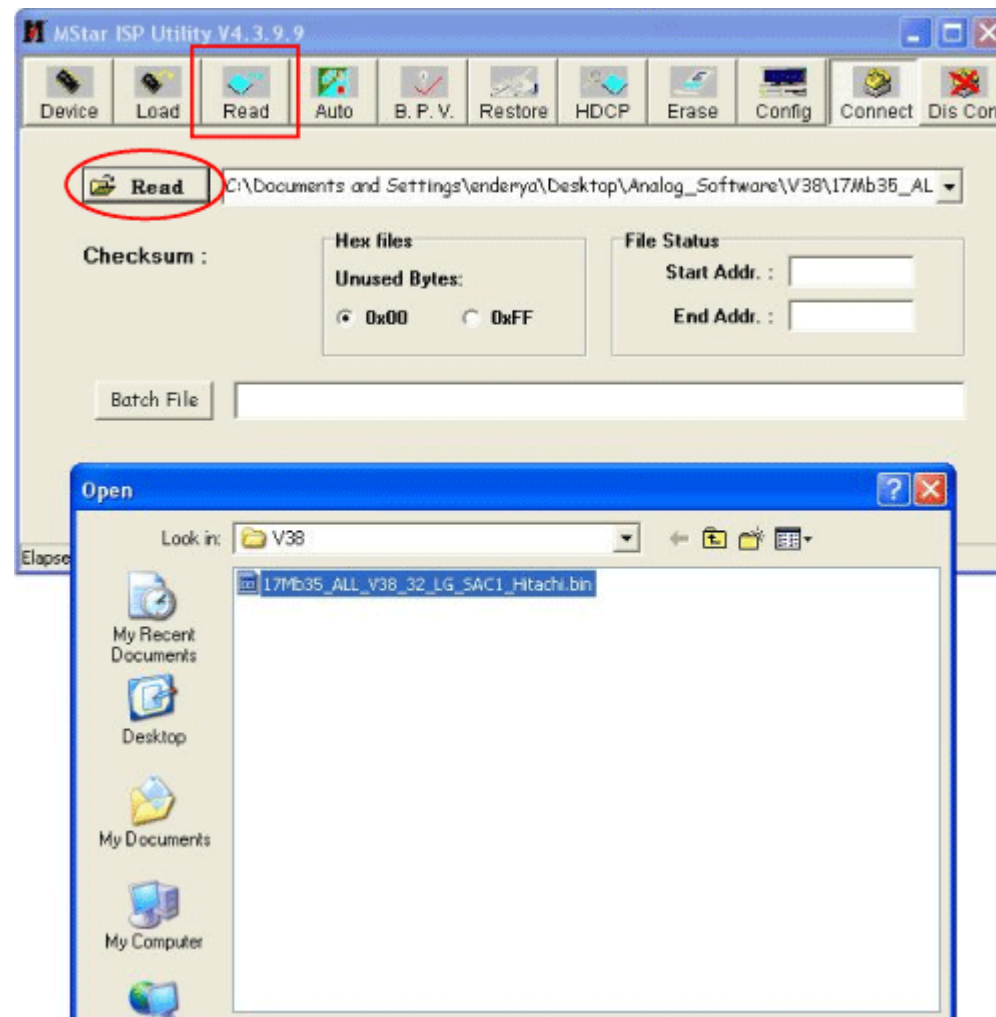
1. Run ISP_Tool.exe (Run Mstar software exe).
Extract: ISP_Tool.rar



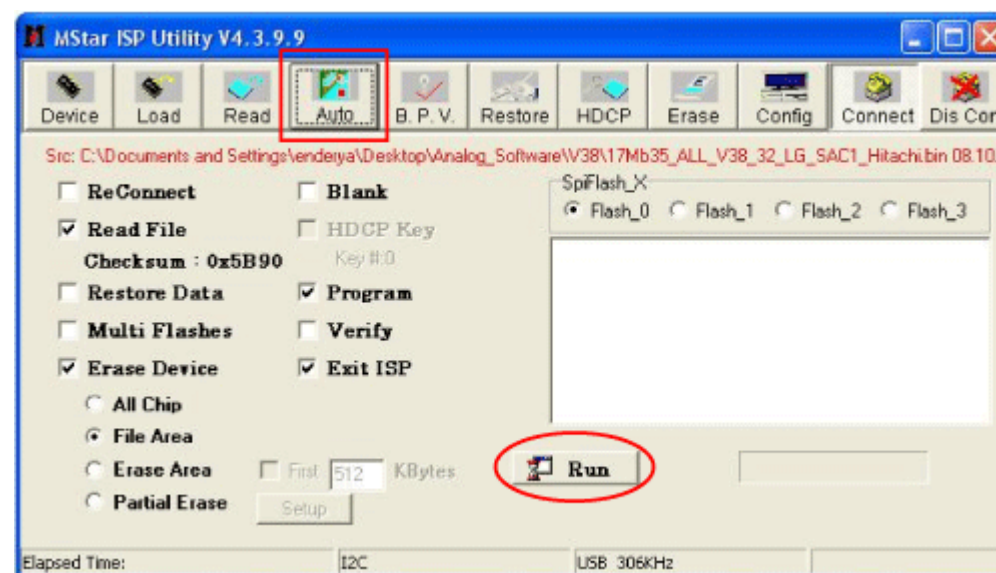
2. Press Device from Mstar Software Main Menu, Set the device as S25FL016A.



3. Press Connect button from Main Menu and see the Dialog.
4. Press Read button from MStar software main menu.
5. Press Read and read the software that you want to upload into TV.



6. Press Auto button from MStar software main menu.



7. Press Run and wait for the uploading process After upload finish, you will see PASS.

8. After software update, The LED will blink a while, Do not unplug the power or open the TV set until this LED blinking finished.

PRODUCT CODE

Product code (8 digits, 100xxxxx) is assigned to identify the model and the LCD panel.
Some models use multiple LCD panels, but the product code is separated for the mutiple LCD panel.

(Product Code Table)

Model name	Panel	PRODUCT NO
19BV500B	CMO	10068435
22BV500B	SAMSUNG	10068436
19BV500B	CPT	10068929
22BV500B	CPT	10068930
32BV500B	SAMSUNG	10068433
32BV700B	SAMSUNG	10068434
40KV700B	SAMSUNG	10069649
22KV500B	CPT	10069638
22KV500B	SAMSUNG	10071301
32KV500B	SAMSUNG	10069639
40BV700B	SAMSUNG	10069763
40BV700G	SAMSUNG	10069650
40BV700F	SAMSUNG	10069655

(Rating Label)



TECHNICAL BULLETIN

File Name	Title	issuing date
-----------	-------	--------------

PARTS LIST

Precaution

WARNING: BEFORE SERVICING THIS CHASSIS, READ THE "SAFETY PRECAUTION" AND "PRODUCT SAFETY NOTICE".

CAUTION: The international hazard symbols "⚠" in the schematic diagram and the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list.

The mounting position of replacements is to be identical with originals. Before replacing any of these components, read carefully the "SAFETY PRECAUTION" and "PRODUCT SAFETY NOTICE".

Do not degrade the safety of the receiver through improper servicing.

Note:

- The part number must be used when ordering parts, in order to assist in processing, be sure to include the Model number and Description.
- The PC board assembly with * mark is no longer available after the end of the production.

Abbreviations

Capacitors CD : Ceramic Disk

Resistors CF : Carbon film
OMF : Oxide Metal Film
PF : Plastic Film
CC : Carbon Composition
VR : Variable Resistor
EL : Electrolytic
MF : Metal Film
FR : Fusible Resistor

All CD and PF capacitors are $\pm 5\%$, 50 V and all resistor, $\pm 5\%$, 1/6 W unless otherwise noted.

PARTS LIST

Block :

↓Select

Location :

Search



Parts No. :

Search



Page :

1

/ 1

Jump









PARTS LIST

Block : All Block

Block		Location	Parts No.	Description	AA	S	M	L		
Electric Parts		E200	75022650	PC BOARD ASSY, MAIN, 40BV700B, 20522664						
Electric Parts		E200	75022665	PC BOARD ASSY, MAIN, 40BV700F, 20531678						
Electric Parts		E200	75022673	PC BOARD ASSY, MAIN, 40BV700G, 20531680						
Electric Parts		E250	75022651	POWER MODULE, 40BV700B_F_G, 20519900						
Electric Parts		E260	75022870	SW, POWER, 20508953						
Electric Parts		E270	75022654	PC BOARD ASSY, LED, 20436551						
Electric Parts		E280	75022652	PC BOARD ASSY, KEY, 40BV700B_F_G, 20468754						
Electric Parts		E300	75022655	LCD PANEL, LTA400HA07, 40BV700B_G, 30067954						
Electric Parts		E300	75022666	LCD PANEL, LTA400HA07, 40BV700F, 30069534						
Electric Parts		E310	75020793	LVDS CABLE, 51P-50, 30066220						
Electric Parts		E320	75022656	POWER CORD, 40BV700B, 20406681						
Electric Parts		E320	75022667	POWER CORD, 40BV700F_G, 20484046						
Electric Parts		E330	75022657	SPEAKER, 40BV700B, 20458756						
Electric Parts		E330	75022668	SPEAKER, 40BV700F_G, 20526550						
Electric Parts		E340	75022658	CABLE, SPEAKER, 4P/350+700, 40BV700B, 30062671						
Electric Parts		E340	75022669	CABLE, SPEAKER, 4P/300+550, 40BV700F_G, 30064345						
Electric Parts		E350	75022659	CABLE, MAIN TO KEY, 8P-4/900, 40BV700B, 30065638						
Electric Parts		E350	75022670	CABLE, MAIN TO KEY, 8P-6/1150, 40BV700F_G, 30069264						
Electric Parts		E360	75022660	CABLE, POWER TO LCD PANEL, 12-14P/300, 30067986						
Electric Parts		E370	75022661	CABLE, POWER TO MAIN, 28P/60, 40BV700B, 30065715						
Electric Parts		E370	75022671	CABLE, POWER TO MAIN, 28P/100, 40BV700F_G, 30068853						
Accessory		E400	75020598	REMOCON HAND UNIT, RC3910, 20504562						
Cabinet		E100	75022646	FRONT BEZEL ASSY, 40BV700B_F_G, 20526747						
Cabinet		E110	75022647	BACK COVER ASSY, 40BV700B_F_G, 20521963						
Cabinet		E120	75022648	STAND ASSY, 40BV700B_F_G, 20531968						
Cabinet		E130	75022649	KEY PLATE, 40BV700B, 40044015						
Cabinet		E130	75022664	KEY PLATE, 40BV700F_G, 40044720						
Packing		E540	75022662	REGISTRATION CARD, 40BV700B, 50176572						
Packing		E540	75022672	REGISTRATION CARD, 40BV700F, 50176244						
Packing		E540	75022674	REGISTRATION CARD, 40BV700G, 50174031						

PARTS LIST

Block : Electric Parts

Block		Location	Parts No.	Description	AA	S	M	L		
Electric Parts		E200	75022650	PC BOARD ASSY, MAIN, 40BV700B, 20522664						
Electric Parts		E200	75022665	PC BOARD ASSY, MAIN, 40BV700F, 20531678						
Electric Parts		E200	75022673	PC BOARD ASSY, MAIN, 40BV700G, 20531680						
Electric Parts		E250	75022651	POWER MODULE, 40BV700B_F_G, 20519900						
Electric Parts		E260	75022870	SW, POWER, 20508953						
Electric Parts		E270	75022654	PC BOARD ASSY, LED, 20436551						
Electric Parts		E280	75022652	PC BOARD ASSY, KEY, 40BV700B_F_G, 20468754						
Electric Parts		E300	75022655	LCD PANEL, LTA400HA07, 40BV700B_G, 30067954						
Electric Parts		E300	75022666	LCD PANEL, LTA400HA07, 40BV700F, 30069534						
Electric Parts		E310	75020793	LVDS CABLE, 51P-50, 30066220						
Electric Parts		E320	75022656	POWER CORD, 40BV700B, 20406681						
Electric Parts		E320	75022667	POWER CORD, 40BV700F_G, 20484046						
Electric Parts		E330	75022657	SPEAKER, 40BV700B, 20458756						
Electric Parts		E330	75022668	SPEAKER, 40BV700F_G, 20526550						
Electric Parts		E340	75022658	CABLE, SPEAKER, 4P/350+700, 40BV700B, 30062671						
Electric Parts		E340	75022669	CABLE, SPEAKER, 4P/300+550, 40BV700F_G, 30064345						
Electric Parts		E350	75022659	CABLE, MAIN TO KEY, 8P-4/900, 40BV700B, 30065638						
Electric Parts		E350	75022670	CABLE, MAIN TO KEY, 8P-6/1150, 40BV700F_G, 30069264						
Electric Parts		E360	75022660	CABLE, POWER TO LCD PANEL, 12-14P/300, 30067986						
Electric Parts		E370	75022661	CABLE, POWER TO MAIN, 28P/60, 40BV700B, 30065715						
Electric Parts		E370	75022671	CABLE, POWER TO MAIN, 28P/100, 40BV700F_G, 30068853						

PARTS LIST

Block : Electric Parts

Block		Location	Parts No.	Description	AA	S	M	L		
Electric Parts		E200	75022650	PC BOARD ASSY, MAIN, 40BV700B, 20522664						
Electric Parts		E200	75022665	PC BOARD ASSY, MAIN, 40BV700F, 20531678						
Electric Parts		E200	75022673	PC BOARD ASSY, MAIN, 40BV700G, 20531680						
Electric Parts		E250	75022651	POWER MODULE, 40BV700B_F_G, 20519900						
Electric Parts		E260	75022870	SW, POWER, 20508953						
Electric Parts		E270	75022654	PC BOARD ASSY, LED, 20436551						
Electric Parts		E280	75022652	PC BOARD ASSY, KEY, 40BV700B_F_G, 20468754						
Electric Parts		E300	75022655	LCD PANEL, LTA400HA07, 40BV700B_G, 30067954						
Electric Parts		E300	75022666	LCD PANEL, LTA400HA07, 40BV700F, 30069534						
Electric Parts		E310	75020793	LVDS CABLE, 51P-50, 30066220						
Electric Parts		E320	75022656	POWER CORD, 40BV700B, 20406681						
Electric Parts		E320	75022667	POWER CORD, 40BV700F_G, 20484046						
Electric Parts		E330	75022657	SPEAKER, 40BV700B, 20458756						
Electric Parts		E330	75022668	SPEAKER, 40BV700F_G, 20526550						
Electric Parts		E340	75022658	CABLE, SPEAKER, 4P/350+700, 40BV700B, 30062671						
Electric Parts		E340	75022669	CABLE, SPEAKER, 4P/300+550, 40BV700F_G, 30064345						
Electric Parts		E350	75022659	CABLE, MAIN TO KEY, 8P-4/900, 40BV700B, 30065638						
Electric Parts		E350	75022670	CABLE, MAIN TO KEY, 8P-6/1150, 40BV700F_G, 30069264						
Electric Parts		E360	75022660	CABLE, POWER TO LCD PANEL, 12-14P/300, 30067986						
Electric Parts		E370	75022661	CABLE, POWER TO MAIN, 28P/60, 40BV700B, 30065715						
Electric Parts		E370	75022671	CABLE, POWER TO MAIN, 28P/100, 40BV700F_G, 30068853						

PARTS LIST

Block :

Accessory

Location :

Search

Page :

1

 / 1

Jump

Parts No. :

Search

Block	Location	Parts No.	Description	AA	S	M	L		
Accessory	E400	75020598	REMOCON HAND UNIT, RC3910, 20504562						

PARTS LIST

Block :

Cabinet

Location :

Search

Page :

1

 / 1

Jump

Parts No. :

Search

Block		Location	Parts No.	Description	AA	S	M	L		
Cabinet		E100	75022646	FRONT BEZEL ASSY, 40BV700B_F_G, 20526747						
Cabinet		E110	75022647	BACK COVER ASSY, 40BV700B_F_G, 20521963						
Cabinet		E120	75022648	STAND ASSY, 40BV700B_F_G, 20531968						
Cabinet		E130	75022649	KEY PLATE, 40BV700B, 40044015						
Cabinet		E130	75022664	KEY PLATE, 40BV700F_G, 40044720						

PARTS LIST

Block :

Packing

Location :

Search

Page :

1

 / 1

Jump

Parts No. :

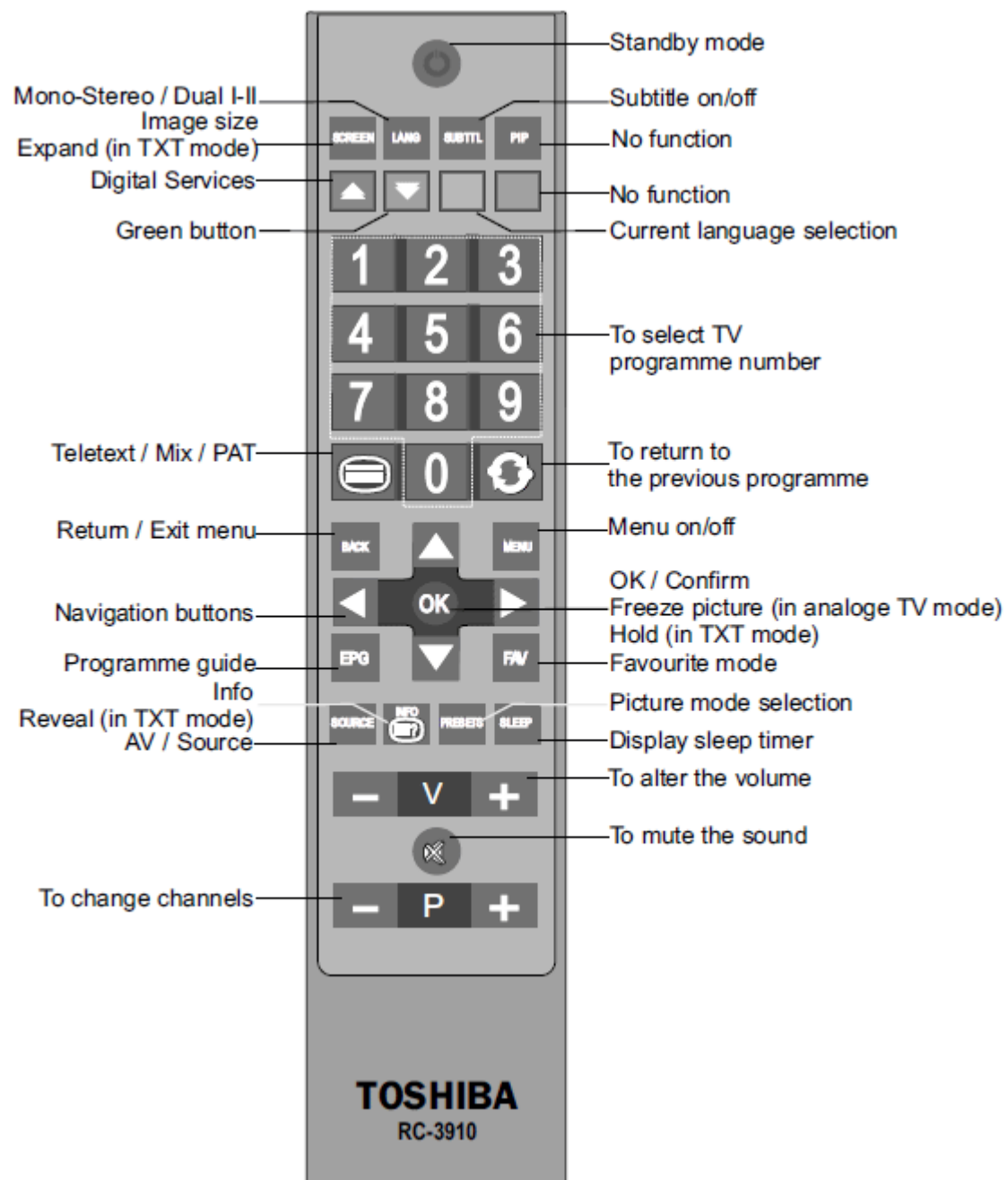
Search

Block		Location	Parts No.	Description	AA	S	M	L		
Packing		E540	75022662	REGISTRATION CARD, 40BV700B, 50176572						
Packing		E540	75022672	REGISTRATION CARD, 40BV700F, 50176244						
Packing		E540	75022674	REGISTRATION CARD, 40BV700G, 50174031						

FUNCTION AND OPERATION

The Remote Control

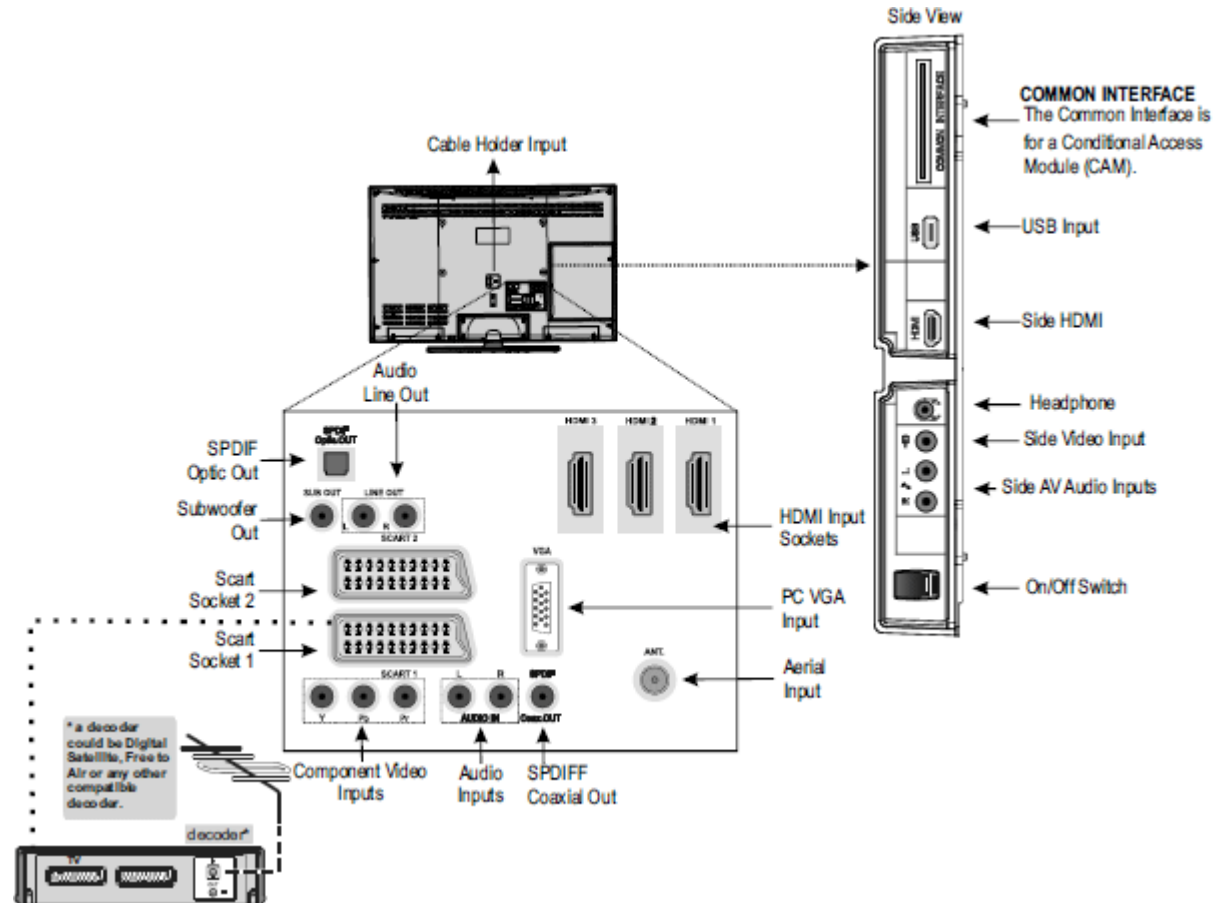
Simple at-a-glance reference of your remote control.



FUNCTION AND OPERATION

Connecting External Equipment

Before connecting any external equipment, turn off the On/Off switch and remove the mains plug from the wall socket.



Aerial cable:.....

Connect the aerial to the socket on the rear of the television.

SCART lead:.....

If you use a **decoder*** or a **media recorder**, it is essential that the scart cable is connected to the television.

Before running **first time installation**, any connected devices to standby mode.

The phono sockets located on the side of the TV will accept L and R audio signals.

The Coaxial Audio Output and Optic Audio Out socket enables the connection of a suitable surround sound system.

HDMI® (High-Definition Multimedia Interface) is for using with a DVD decoder or other equipment with digital audio and video output. It is designed for best performance with 1080i and 1080p high-definition video signals but will also accept and display VGA, 480i, 480p, 576i, 576p and 720p signals. PC format signals will also be displayed.

NOTE: Although this television is able to connect to HDMI equipment, it is possible that some equipment may not operate correctly.

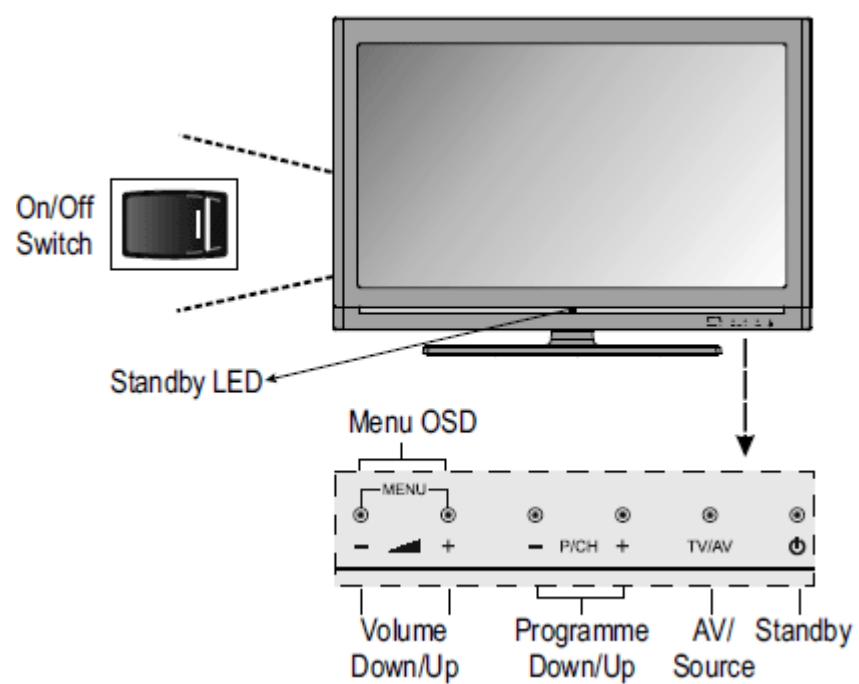
A wide variety of external equipment can be connected to the television; therefore, the relevant owner's manuals for all additional equipment must be referred to for exact instructions.

If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired programme position button. To recall external equipment, press **SOURCE** button to switch between sources.

FUNCTION AND OPERATION

Side Panel Control

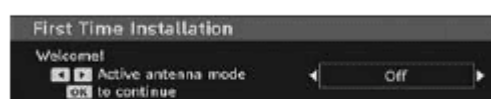
A wide variety of external equipment can be connected via the sockets located on the side of the television. Whilst all the necessary adjustments and controls for the television are made using the remote control, the buttons on the right side of the television may be used for some functions.



Initial Installation - Digital & Analogue

Before switching on the television put your decoder and media recorder to **Standby** if they are connected and ensure the aerial is connected to your television. To set up the television use the buttons on the remote control.

1. Connect the mains plug and switch the TV into standby using the side On/Off switch. Press any numbered or standby button on the remote control, then the language selection menu will be displayed. This screen will appear the first time that the television is switched on and each time the television is reset.
2. By pressing the Up or Down buttons highlight the language you want to set and press OK button.
3. Afterwards, active antenna selection menu screen is displayed. You can set active antenna mode as on or off by using Left or Right buttons.

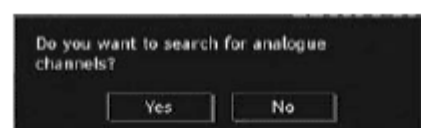


If an active antenna is connected to your TV, you can select this option as On. Antenna power should be Off when standard antenna is used instead of the active antenna. See *Configuration Menu in the following sections for more information.*

4. Press OK button to save active antenna preference. Afterwards, the following message will be displayed on the screen:



5. Select Yes by using Left or Right buttons and press OK to continue. The Auto tuning screen will appear and the television will start to search for available stations. The progress bar will move along the line. You must allow the television to complete the search.
6. After Automatic Search is completed, the following message asking for analogue channel search appears on the screen. Select Yes by using Left or Right buttons and press OK to continue.



7. Select your Country, Language and Text language by using navigation buttons. Press OK or RED button to continue. To cancel, press the BLUE button.

Note:

- For proper functioning of digital teletext in DTV mode, you should set country as UK in analogue AUTO PROGRAM (for UK broadcasts only).
- Do not turn off the TV while initializing first time installation.

Input Selection

Use the Input Selection window if the television does not switch over to a connected source automatically.

- Press SOURCE button on your remote control for directly changing sources. Or select Source option from the main menu by using Left or Right button. Use then Up or Down button to highlight an input and press Right button to select.

HOTEL MODE

The HOTEL TV is a special mode which restricts some operations of TV. This allows the customer to use the TV in hotels or in Hospitals. The specifications of a hotel TV are basically given below:

1. The user cannot increase the volume above a specified limit.
2. The user cannot reach some menus.
3. Other than the status OSDs, no other menu OSDs will be visible (Install menu, picture menu, program table etc..). For this reason no adjustments could be done.
4. Source options can be selected via remote control.
5. General teletext functions can be used.
6. Volume level can be fixed and the user can not change volume level.
7. If a last status setting is made active, the TV will switch on in the last mode.

Activating the Hotel TV

To reach the **Hotel Mode** Settings menu, you should do the followings:

1. Go to the Main Menu and press the **7, 9, 3,** and **5** sequentially. The **"HOTEL MODE"** settings will appear.
2. Set **Hotel Mode** as **Yes** in the service menu.

"Hotel Mode": Yes in the service menu makes the TV customer specific. If this setting is set to **No**, you cannot use the TV as Hotel TV anytime.

To configure the TV as a normal TV again,

1. Go to **"HOTEL MODE SETTINGS"** Menu as described before. (Press **menu** button. Though you see nothing on the TV screen, press the **7, 9, 3, 5** sequentially.)
2. Set **"HOTEL MODE"** item as **"NO"**. Now, the Hotel Mode is deactivated.

SPECIFICATION

DVB-T Broadcast Systems/Channels		Broadcast Systems/Channels	
UK	UHF 21-58	PAL-I UK21-UK69	
Video Input		PAL, SECAM, NTSC 4.43	
Stereo	Nicam		
Visible Screen Size (approx.)		40"	101cm
Display		16:9	
Sound Output (at 10% distortion)		Main 8W + 8W	
Power Consumption (approx.)		40" 190W	
Standby Power Consumption (approx.)		0.9W	
External Connections			
SCART 1	Input	21-pin SCART	RGB, A/V
SCART 2	Input/Output	21-pin SCART	RGB, A/V, SVHS
YPbPr	Input	Phono Jacks	Y, PB/CB, PP/CR
		Phono Jacks	Audio L + R
FAV	Input (Side)	Phono Jack	Video
		Phono Jacks	Audio L + R
HDMI 1/2/3/4	Input	HDMI® (Enable Content Type, INSTAPORT™, RGB Range supported)	
PC	Input	Mini D-Sub 16-Pin Analogue	RGB Signal
Digital Audio	Output	S/PDIF	(Digital and coaxial)
USB Port	Media Browser Interface Version: USB 2.0		
	USB Class: Mass Storage		
	File System: FAT32		
Headphone Socket	3.5mm stereo		
Dimensions (approx.)	65.3cm (H) 97cm (W) 21.9cm (D)		
(Height dimension includes foot stand)			
Weight (approx.)	15.10kg (without stand 14.40kg)		
Operating Conditions	Temperature 5°C - 35°C (41°F - 94°F)		
	Humidity 20 - 80% (non-condensing)		
Supplied Accessories	Remote Control		
	2 batteries (AAA,IEC r03 1.5V)		
	Cable Holder		
	P Clip		