MANUAL DE SERVIÇO

LCD TV

Model No. HBTV-32L01HD
HBTV-42L01FD



⚠ ATENÇÃO

Este manual técnico é de uso exclusivo da Rede Autorizada H-Buster. Não existem peças ou partes que possam ser reparados pelo consumidor final, sob riscos de choque elétrico, causando ferimentos graves.
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Chapter 1.General Information

1 -1. General Guidelines

When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.

After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.

After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1) Leakage Current Cold Check
2) Leakage Current Hot Check
3) Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive

1-2. Important Notice

1-2-1. Follow the regulations and warnings

Most important thing is to list up the potential hazard or risk for the service personnel to open the units and disassemble the units. For example, we need to describe properly how to avoid the possibility to get electrical shock from the live power supply or charged electrical parts (even the power is off).



This symbol indicates that high voltage is present inside.It is dangerous to make any kind of contact with any inside part of this product.



This symbol indicates that there are important operating and maintenance instructions in the literture accompanying the appliance.

1-2-2. Be careful to the electrical shock

To prevent damage which might result in electric shock or fire, do not expose this TV set to rain or excessive moisture. This TV must not be exposed to dripping or splashing water, and objects filled with liquid, such as vases, must not be placed on top of or above the TV.

1-2-3. Electrostatic discharge (ESD)

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the ncidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

1-2-4. About lead free solder (PbF)

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 repairing of this product.

1-2-5. Use the genewing parts (specified parts)

Special parts which have purposes of fire retardant (resistors), high-quality sound (capacitors), low noise (resistors), etc. are used.

When replacing any of components, be sure to use only manufacture's specified parts shown in the parts list.

Safety Component

● Components identified by mark have special characteristics important for safety.

1-2-6. Safety check after repairment

Confirm that the screws, parts and wiring which were removed in order to service are put in the original positions, or whether there are the positions which are deteriorated around the serviced places serviced or not. Check the insulation between the antenna terminal or external metal and the AC cord plug blades. And be sure the safety of that.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before:
   a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
   b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
   c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.

CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe.

Do not test high voltage by "drawing an arc".

3. Do not spray chemicals on or near this receiver or any of its assemblies.

4. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength).

CAUTION: This is a flammable mixture.
Unless specified otherwise in this service manual, lubrication of contacts is not required.
Capacitors may result in an explosion hazard.

5. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.

6. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.

7. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.

Always remove the test receiver ground lead last. Capacitors may result in an explosion hazard.

8. Use with this receiver only the test fixtures specified in this service manual.

CAUTION: Do not connect the test fixture ground strap to any heat sink in this receiver.

9. Remove the antenna terminal on TV and turn on the TV.

10. Insulation resistance between the cord plug terminals and the eternal exposure metal should be more than Mohm by using the 500V insulation resistance meter.

11. If the insulation resistance is less than M ohm, the inspection repair should be required. If you have not the 500V insulation resistance meter, use a Tester. External exposure metal: Antenna terminal Headphone jack.

12. Use only a grounded-tip soldering iron to solder or unsolder ES devices.

13. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.

14. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.

15. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it.
(Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).

16. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

17. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

1-2-7. Ordering Spare Parts

Please include the following informations when you order parts. (Particularly the Version letter)

1. Model number, serial number and software version
The model number and serial number can be found on the back cover of each product. Software version can be found in the *Spare Parts List*.

2. Spare part No. and description
Spare part No. and description can be found in the *Spare Parts List*.

1-2-8. Photo used in this manual

The illustration and photos used in this Service Manual may not base on the final design of products, which may differ from your products in some way.

1-3. How to Read this Service Manual

1-3-1. Using icons:

Icons are used to attract the attention of the reader to specific information. The meaning of each icon is described in the table below:



Note:

A “note” provides information that is not indispensable, but may nevertheless be valuable to the reader, such as tips and tricks.



Caution:

A “caution” is used when there is danger that the reader, through incorrect manipulation, may damage equipment, loose data, get an unexpected result or has to restart(part of) a procedure.



Warning:

A “warning” is used when there is danger of personal injury.



Reference:

A “reference” guides the reader to other places in this binder or in this manual, where he/she will find additional information on a specific topic.

Chapter 2. Specification

2-1. Specification list

MODELO	HBTV-32L01HD	HBTV-42L01FD
Tamanho de tela	32 polegadas	42 polegadas
Taxa de Aspecto	16:9	16:9
Resolução	1366 x 768	1920 x 1080
Tempo de Resposta (ms)	6.5	6.5
Ângulo de Visão (H/V)	178°	178°
Contraste	3000:1	4000:1
Brilho	400 cd/m²	400 cd/m²
Idioma OSD	Inglês Português Espanhol	Inglês Português Espanhol
Sistema de Cor	PAL NTSC ISDB-T	PAL NTSC ISDB-T
Sistema de Áudio	M / N	M / N
Potência de saída de áudio (W)	10W*2	10W*2
Consumo total (W)	100W	150W
Tensão da rede (V)	100-240V	100-240V
Frequencia da rede (Hz)	50-60 Hz	50-60 Hz
Peso líquido (c/ pedestal) (Kg)	11,5	19,5
Peso Bruto (c/ pedestal) (Kg)	14,5	25,5

2-2. External pictures (four faces)

2-2-1 HBTV-32L01HD



Front Side



Left Side



Right Side



Back Side

2-2-2 HBTV-42L01FD



Front Side



Left Side



Right Side



Back Side

Chapter 3. Disassemble and Assemble

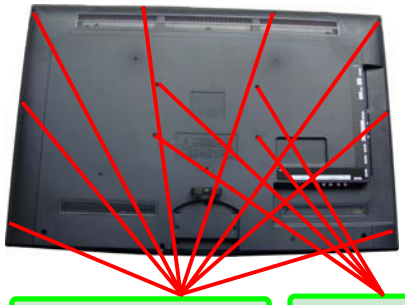
3-1. HBTV-32L01HD

1.1 Remove the bottom





1.2 Remove the back cover



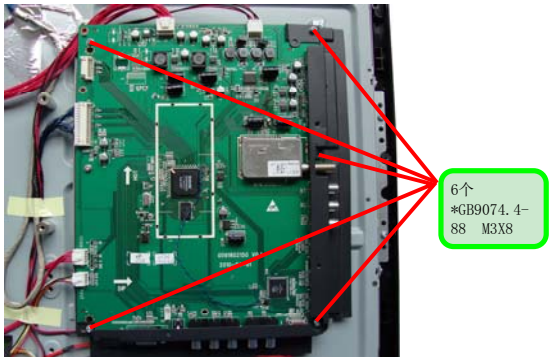


1.3 Remove the spea



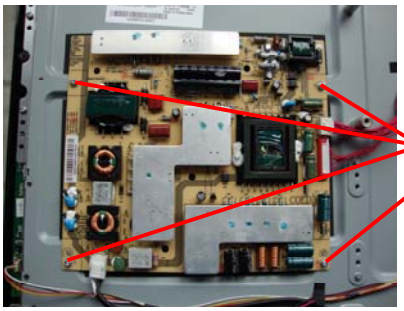


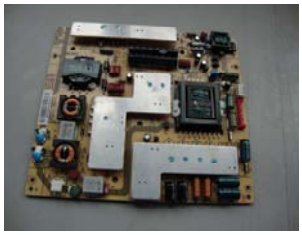
1.4 Remove the mainboard



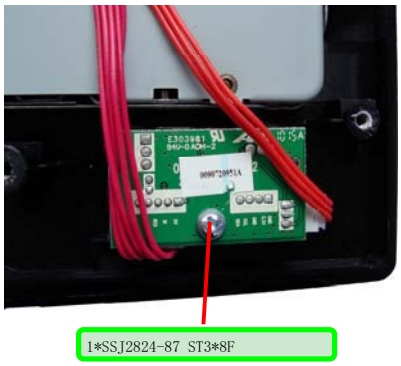


1.5 Remove the power supply



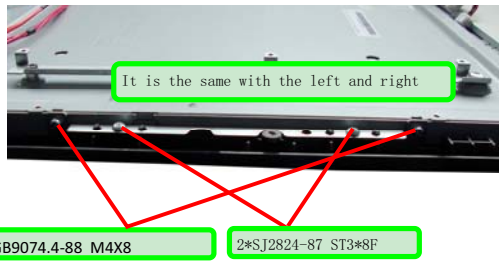


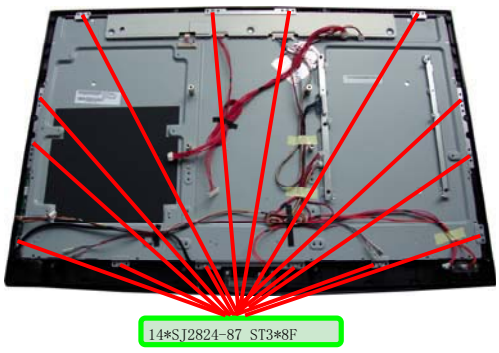
1.6 Remove the remote control board



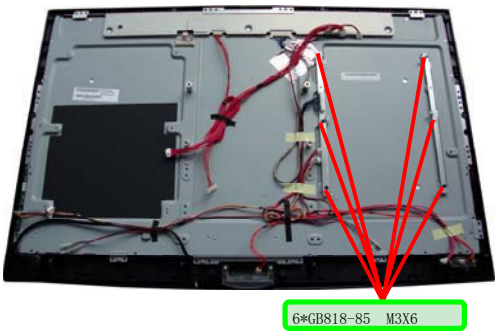


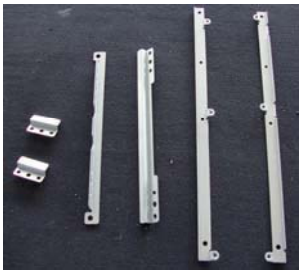
1.7 Remove the side metal slice



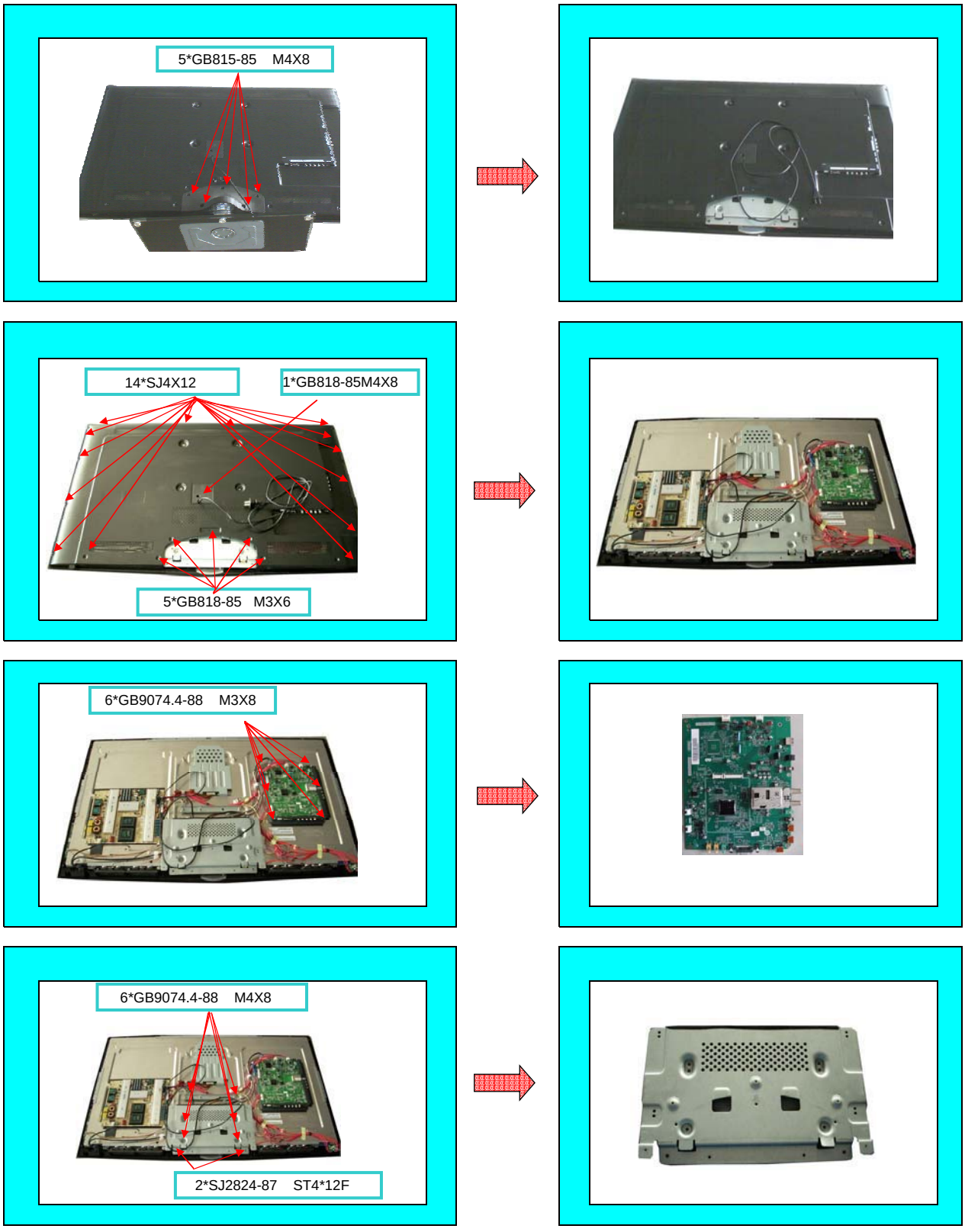


1.7 Remove the bracket of the mainboard

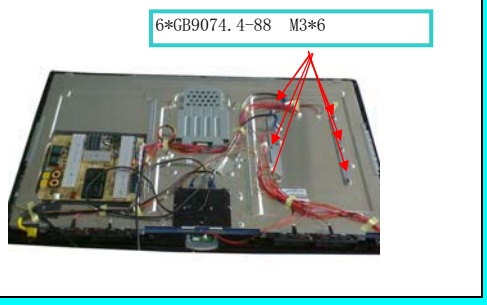




3-2. HBTV-42L01FD

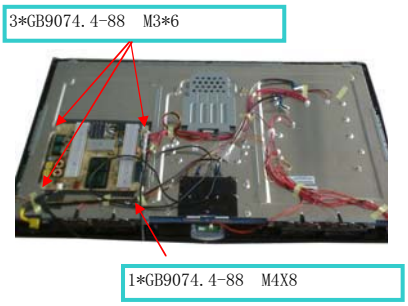


1.5 Remove the bracket of the mainboard



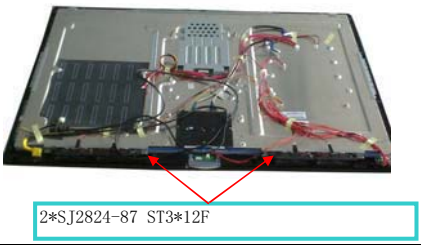


1.6 Remove the power supply



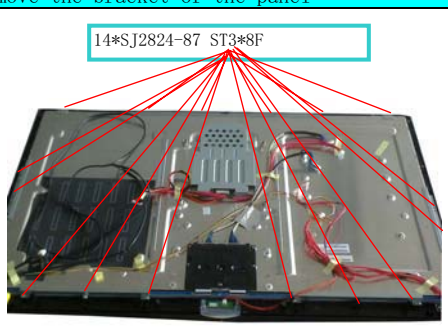


1.7 Remove the speaker





1.8 Remove the bracket of the panel

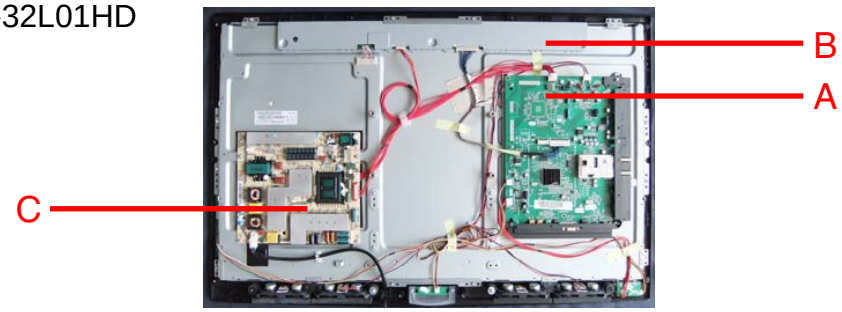




Chapter 4. Location of Controls and Components

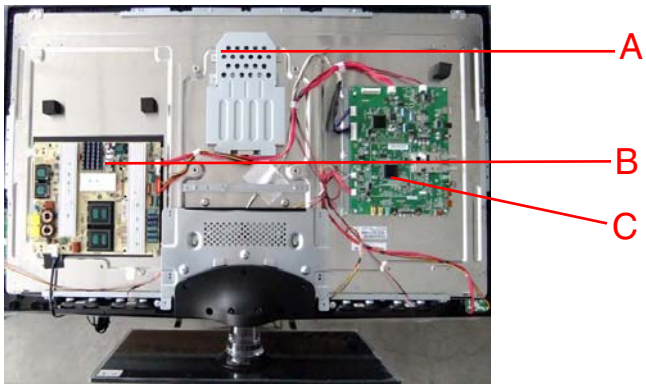
4-1. Board Locations:

HBTV-32L01HD



Item	Parts number	Descrição
A	497205	Placa Principal
B	497204	Tela de LCD
C	497206	PCI da Fonte

HBTV-42L01FD



Item	Parts number	Descrição
A	497220	Tela de LCD
B	497222	PCI da Fonte
C	497221	Placa Principal

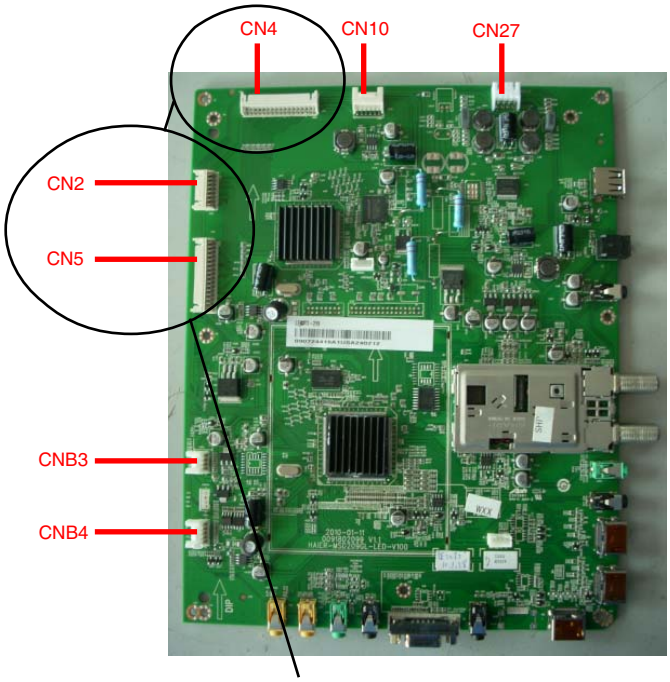
OBS.: OS ITENS ACIMA SOMENTE PODEM SER SOLICITADOS MEDIANTE CONSULTA AO SUPORTE TÉCNICO !!!

4-2. Mainboard

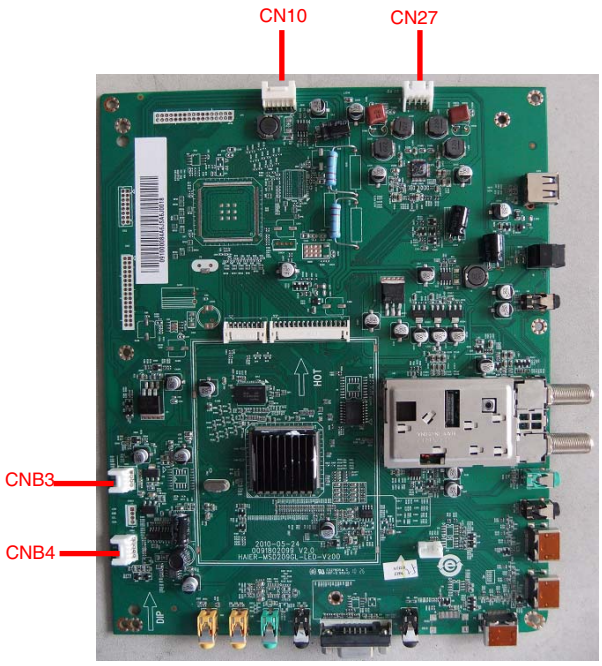
4-2-1. Function Description:

Process signal which incept from exterior equipment then translate into signal that panel can display.

4-2-2.Connector definition



HBTV-32L01HD



HBTV-42L01FD

Remote connectors (CNB4)

Pin number	Signal name	Description
1	5VSTB	5V-Stand
2	IR	IR IN
3	LED_R	LED-RED
4	LED_B	LED-BLUE
5	GND	GND

Key connectors (CNB3)

Pin number	Signal name	Description
1	GND	GND
2	KEY0	KEY0
3	KEY1	KEY1
4	33V	33V

Speaker connectors (CN27)

Pin number	Signal name	Description
1	L+	Left of audio
2	L-	Left of audio
3	R-	Right of audio
4	R+	Right of audio

Power connectors (CN10)

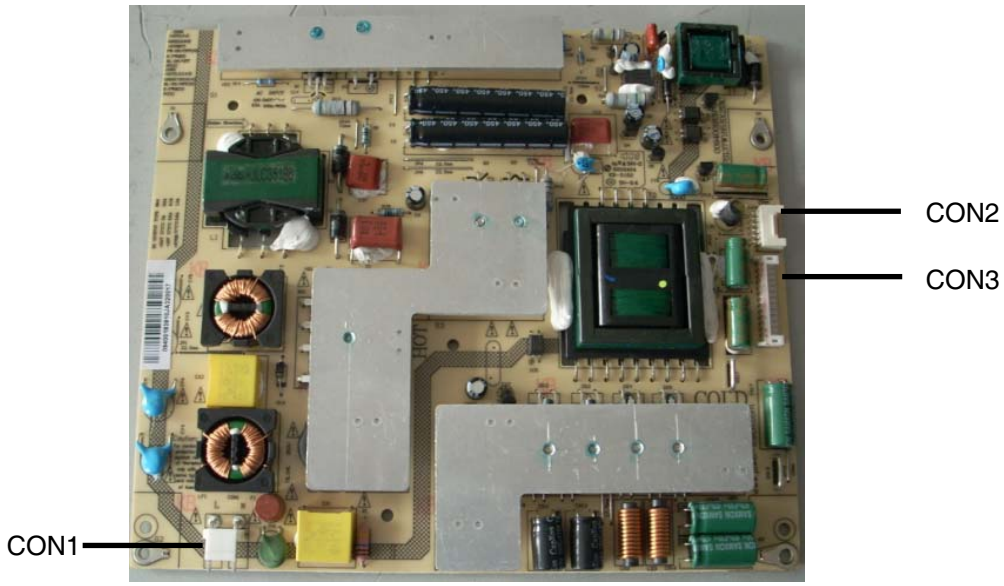
Pin number	Signal name	Description
1	12V	12V-Mainboard
2	12V	12V-Mainboard
3	GND	GND
4	12V	12V-Mainboard
5	GND	GND
6	GND	GND
7	5VSTB	5V_standby
8	E-PWM	External PWM Control
9	GND	GND
10	PW-ON/OFF	Power on/off
11	NC	NO Connection
12	PB-ON/OFF	Back light on/off

4-3. Power Supply Board

4-3-1. Function description: to supply power for Mainboard, Panel.

4-3-2. Connector definition:

HBTV-32L01HD:



CON1

Pin number	Signal name
1	L
2	N

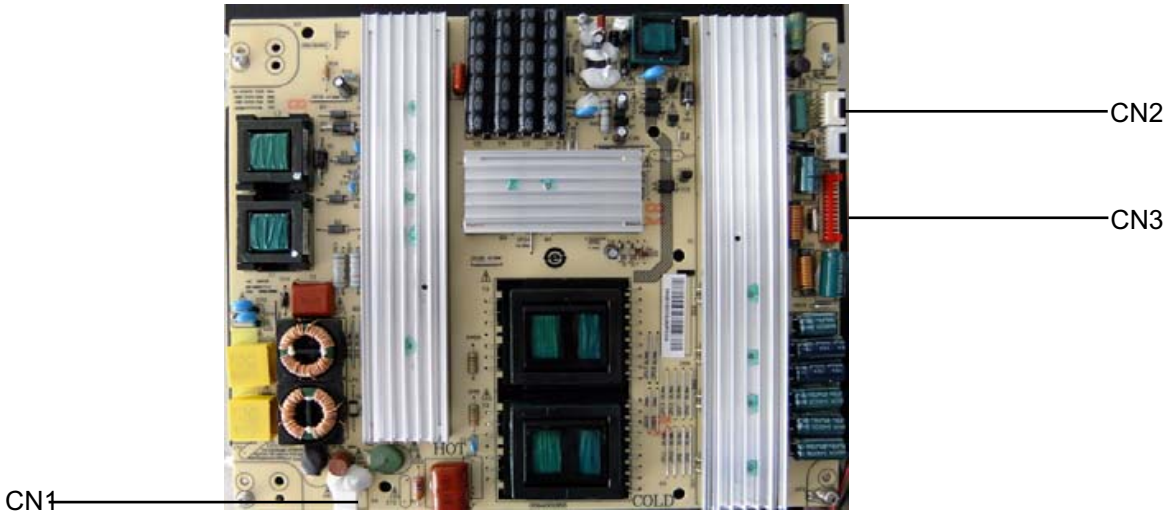
CON3

PIN NUMBER	DESIGNATION
1	24V
2	24V
3	24V
4	24V
5	24V
6	GND
7	GND
8	GND
9	GND
10	GND
11	N/C
12	BL-ON/OFF
13	E-PWM
14	GND

CON2

PIN NUMBER	DESIGNATION
1	12V
2	12V
3	GND
4	12V
5	GND
6	GND
7	5VSTBY
8	E-PWM
9	GND
10	PW-ON/OFF
11	N/C
12	BL-ON/OFF

HBTV-42L01FD:



CN1

Pin Number	Singal Name
1	L
2	R

CN2

Pin Number	Signal Name
1	12V
2	12V
3	GND
4	12V
5	GND
6	GND
7	5V
8	PWM-DMMNG
9	GND
10	P-ON/OFF
11	
12	B-ON/OFF

CN3

Pin Nmuber	Signal Name
1	24V
2	24V
3	24V
4	24V
5	24V
6	GND
7	GND
8	GND
9	GND
10	GND
12	BL-ON/OFF
13	E-PWM
14	STATUS

Chapter 5. Operation Instructions (simplified)

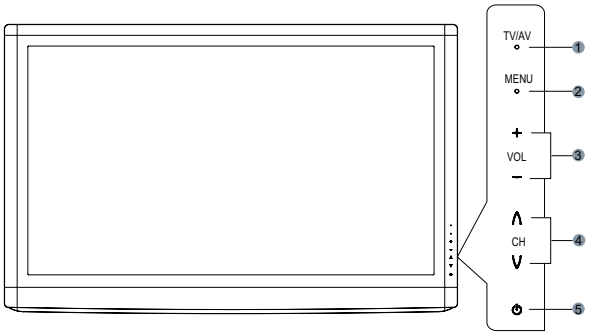
5-1. Get to know your TV

- This is a simplified representation of front panel.
- Here shown may be somewhat different from your TV.

Controls

This is a simplified representation of the TV front panel, side panel control buttons and side inputs.

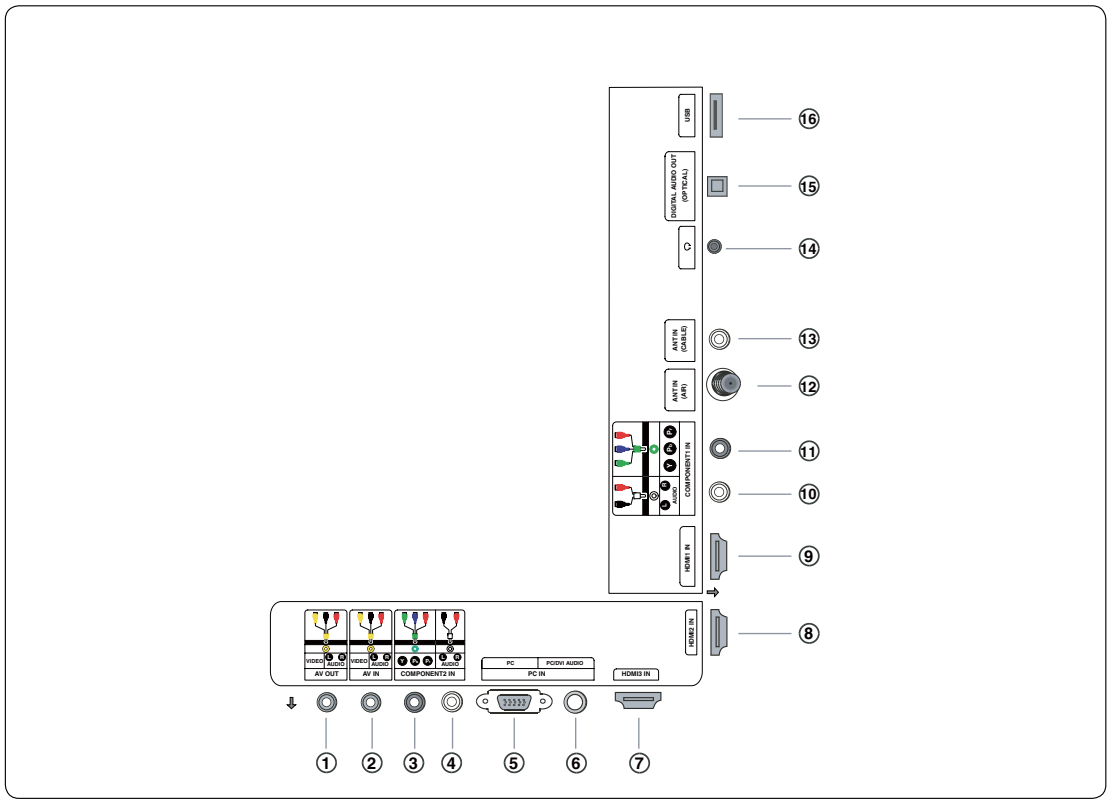
TV Side panel controls and connections



①	**TV/AV**	Press this key to open/close signal source options menu.
②	**MENU**	Menu display. Press to access the on-screen menu display.
③	**VOL +/-**	Press to adjust the volume. In the **MENU** screen, these buttons serve as right/left buttons.
④	**CH +/-**	Press to scan through channels. To scan quickly through channels, press and hold down either +/- . In the **MENU** screen, these buttons serve as up/down buttons.
⑤	**POWER**	Press to turn on and off the TV.

Connection Options

Back panel connections



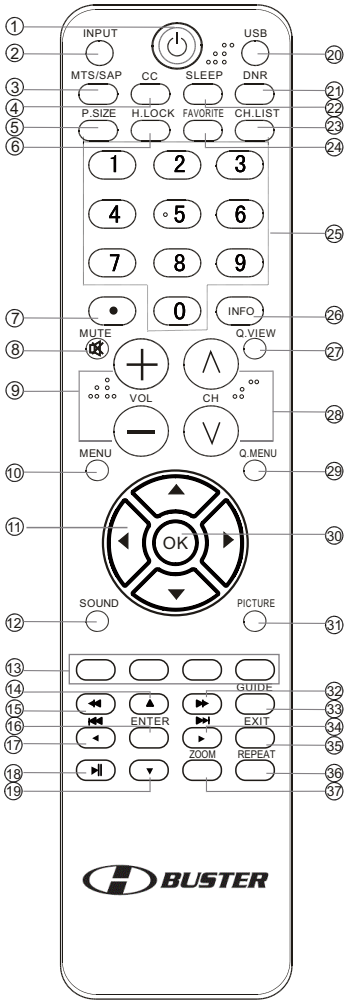
①	**AV OUT**	Connect the audio L/R and video cables to your other video equipment.
②	**AV In**	Connect the AV signal from a video device to this jack.
③	**Component 2 Video In**	Connect a component video device to this jack.
④	**Component 2 Audio In**	Connect the audio L/R cables from the component video signal source to this jack.
⑤	**PC Video In**	Connect a video cable from a computer to this jack.
⑥	**PC/DVI Audio In**	Connect the audio L/R cables from a computer to this jack.
⑦	**HDMI3 In**	Connect a HDMI device to receive digital audio and uncompressed digital video.
⑧	**HDMI2 In**	Connect a HDMI device to receive digital audio and uncompressed digital video.

⑨	**HDMI1 In**	Connect a HDMI device to receive digital audio and uncompressed digital video.
⑩	**Component1 Video In**	Connect a component video device to this jack.
⑪	**Component1 Audio In**	Connect the audio L/R cables from the component audio signal source to this jack.
⑫	**Antenna Input**	Connect RF antenna to this jack.
⑬	**Cable Input**	Connect cable signals to this jack.
⑭	**Headphone jack**	Headphone audio output terminal.
⑮	**Digital Audio Output**	Connect various types of digital audio equipment.
⑯	**USB jack**	Connect USB storage device to this jack.

5-2. Get to know your remote control

Remote control

The remote control cannot be operated unless the batteries are properly loaded.
When using the remote control, aim it at the remote sensor on the TV.

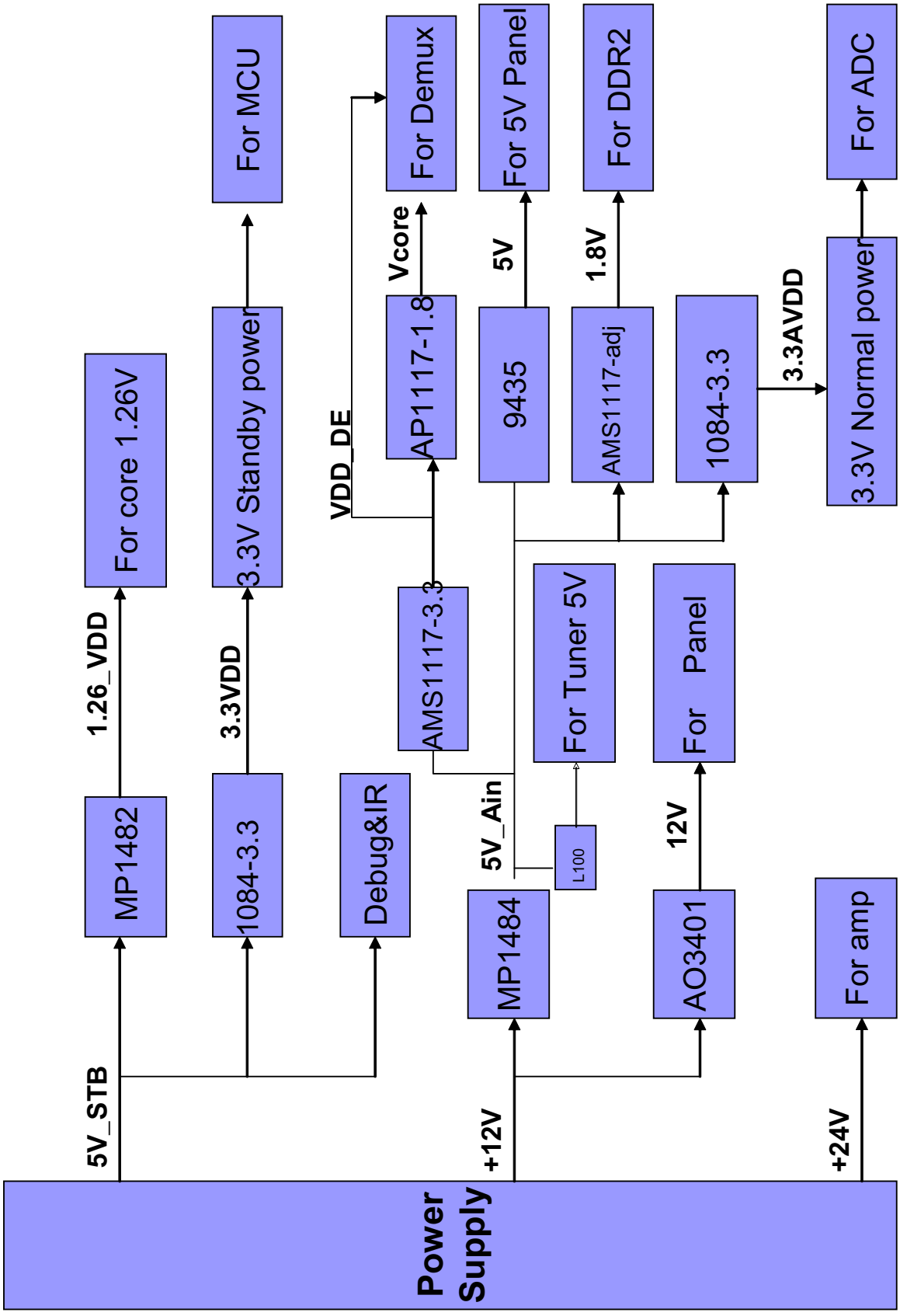


①	**Power**	Press to turn on and off the TV
②	**INPUT**	Show the input source
③	**MTS/SAP**	Select MONO, STEREO, SAP
④	**CCD (closed caption)**	Select a closed caption option
⑤	**P.SIZE**	Select the aspect ratio
⑥	**H.LOCK**	Hotel Lock button
⑦	**• button**	Press to select digital channels. For example, to enter "54-3", press "54", "• " and "3"
⑧	**MUTE**	Switches the sound on or off
⑨	**VOLUME UP/DOWN**	Press to adjust the volume
⑩	**MENU**	Press to open the on-screen menu
⑪	**Thumbstick (Up/Down/ Left/Right)**	Allows you to navigate the on-screen menus and adjust the system settings to your preference
⑫	**SOUND**	Press to cycle through different sound settings
⑬	**Color button**	Press to operate the Functions in GUIDE/Program Edit/Block Program/USB
⑭ ⑰ ⑲ ㉞	**Thunbstick(USB)**	Allows you to nacigate the on-screen menus in USB function,and 17 for Previous, 34 for Next;
⑮	**REV**	Fast Reverse (Only for USB)
⑯	**ENTER**	Confirm button (Only for USB)
⑱	**Play/Pause button**	(Only for USB)
⑳	**USB**	Press to switch input source to USB in
㉑	**DNR**	Digital Noise Reduction
㉒	**SLEEP button**	Press to display the sleep timer option
㉓	**CH.LIST**	Open the channel list in TV
㉔	**FAVORITE**	Open the favourite channel list in TV
㉕	**Number buttons**	Press to change a channel
㉖	**INFO**	Show Informations about the programs and USB files
㉗	**Q.VIEW**	Press to jump back and forth between two channels
㉘	**CHANNEL UP/DOWN**	Press to scan between the last two channels, press and hold down either +/–
㉙	**Q.MENU**	Adjust some functions in common use
㉚	**OK**	Accesses the highlighted item in the on-screen menu
㉛	**PICTURE**	Press repeatedly to cycle through the available picture modes
㉜	**FWD**	Fast forward
㉝	**GUIDE**	Display the guide when you are watching analog or digital channels
㉟	**EXIT**	Clears all on-screen displays and returns to TV viewing from any menu
㊱	**REPEAT**	Replay a music or movie
㊲	**ZOOM**	Press to magnify/minify an image

Chapter 6. Electrical Parts

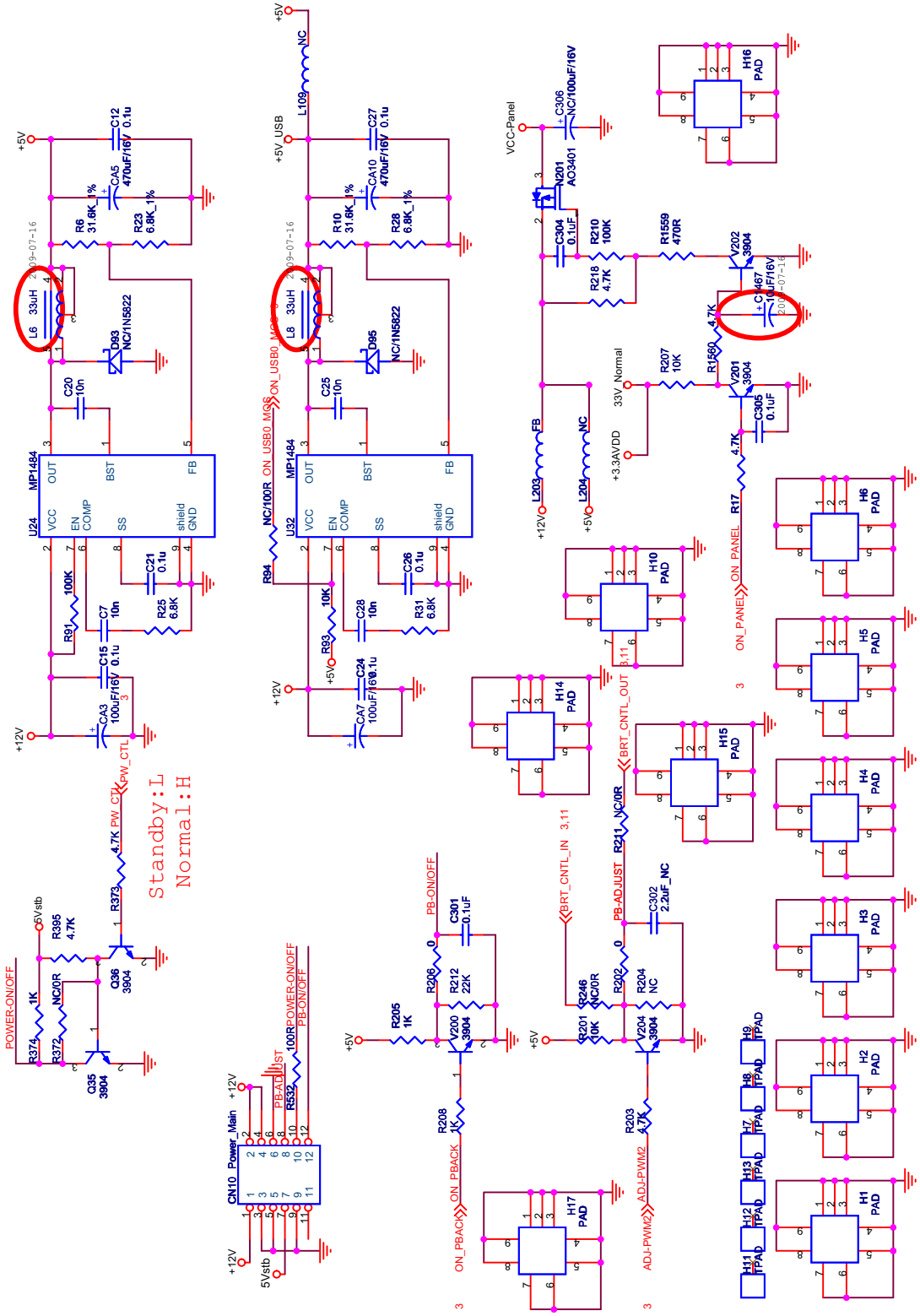
6-1. Block Diagram

(These blocks may be different from the electrical graphics,refer to Circuit Diagram below)

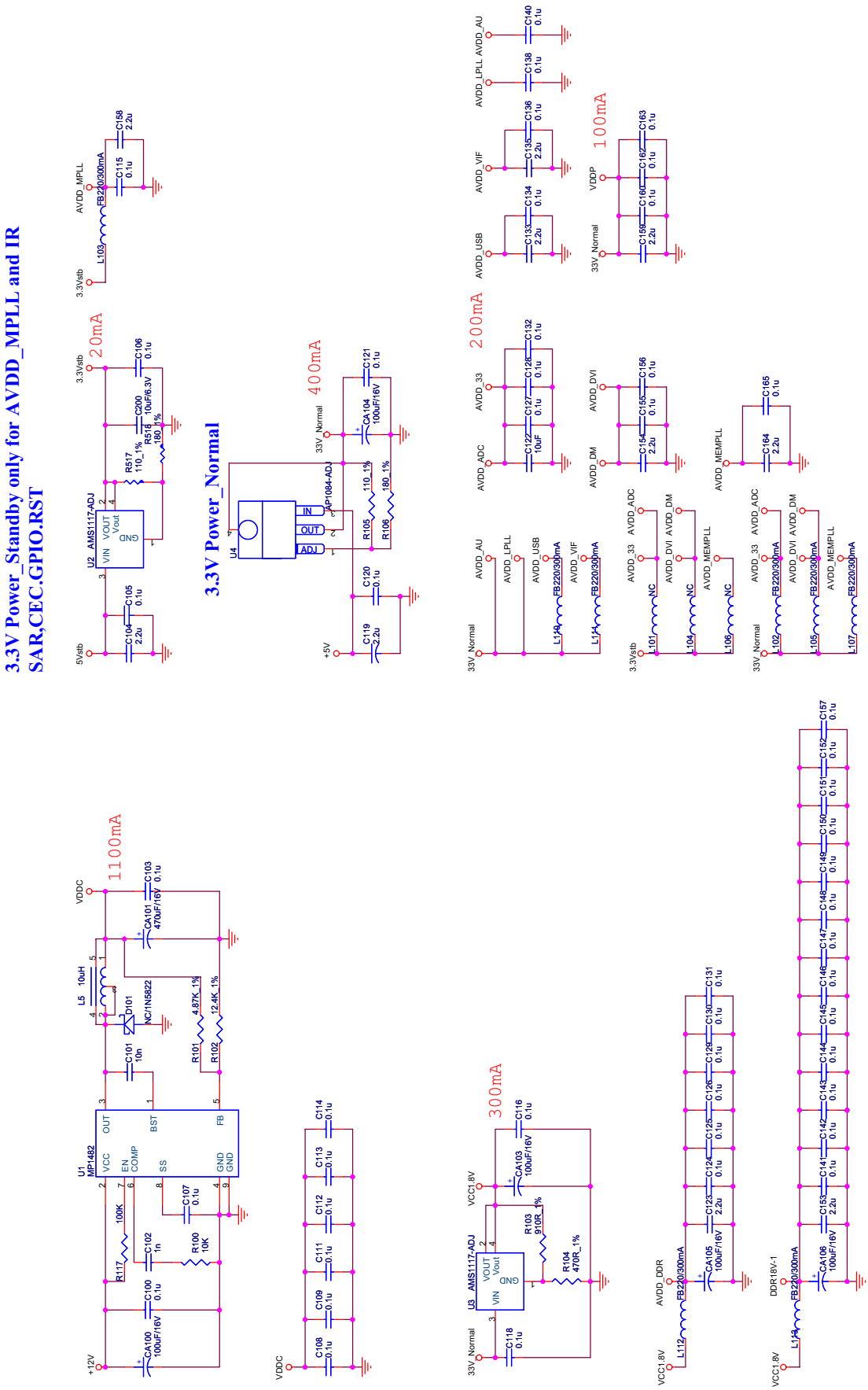


6-2. Circuit Diagram (Main Board)

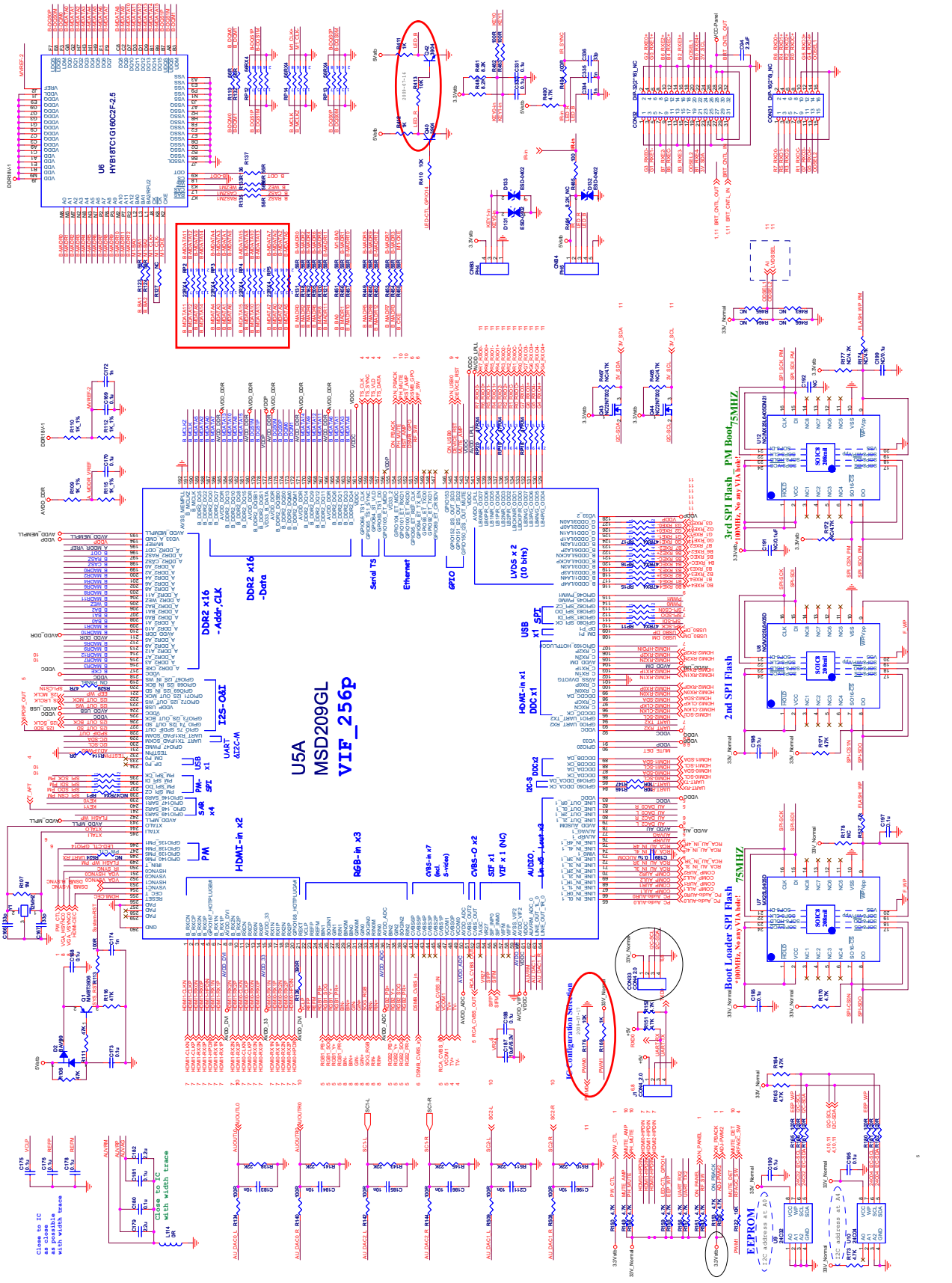
6-2-1. Power Circuit



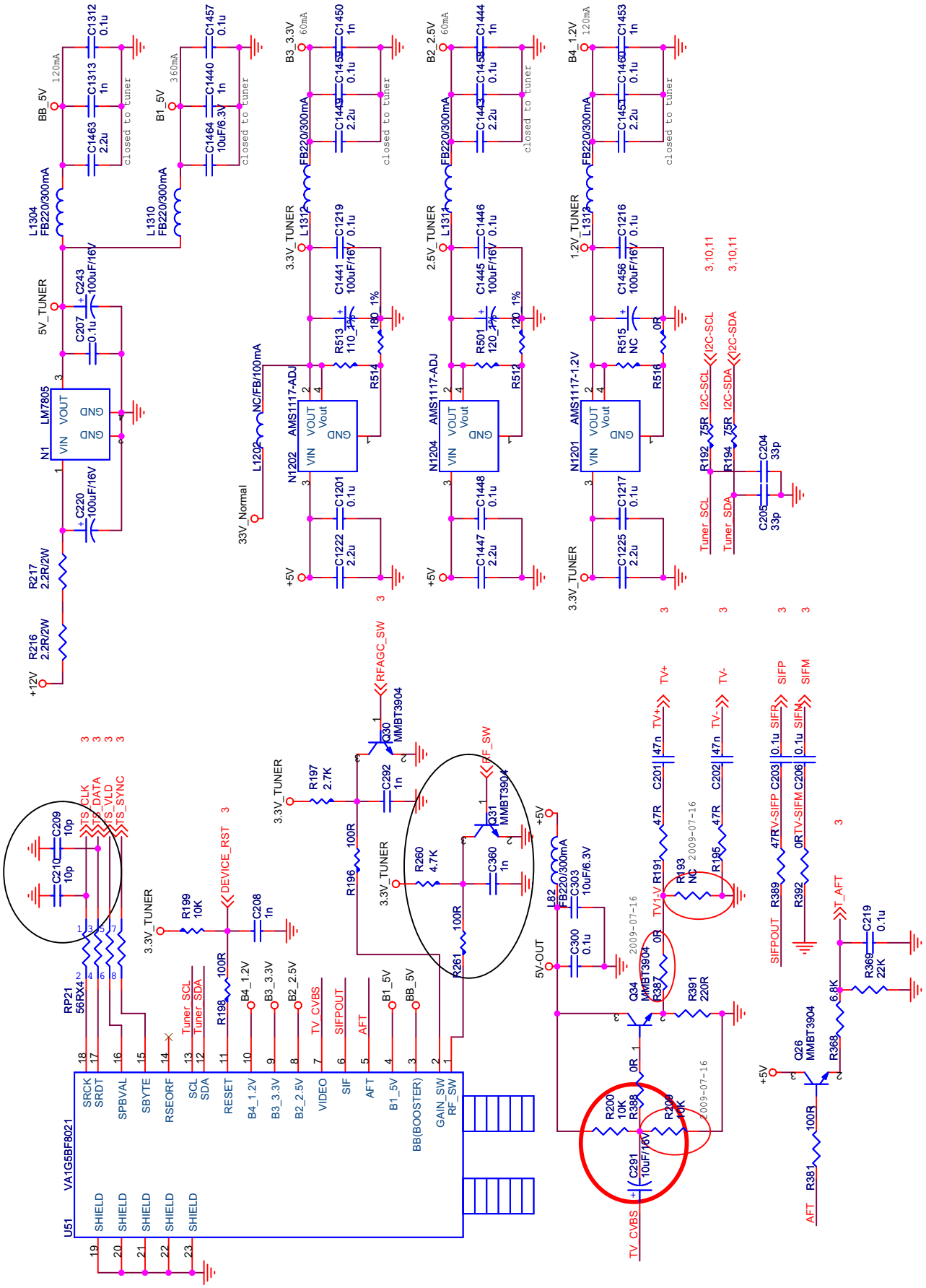
6-2-2. Power Circuit (2)



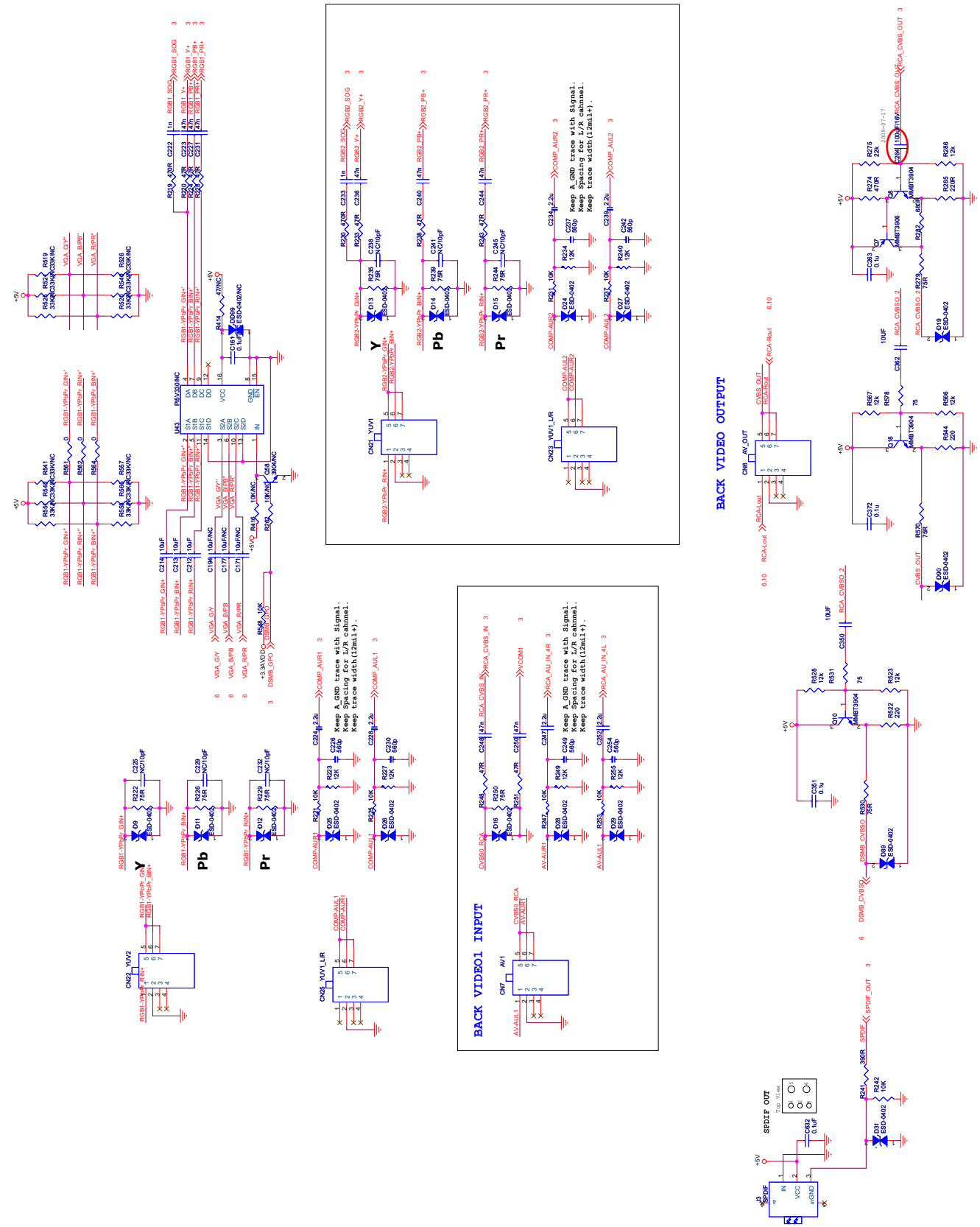
6-2-3. System Control Circuit



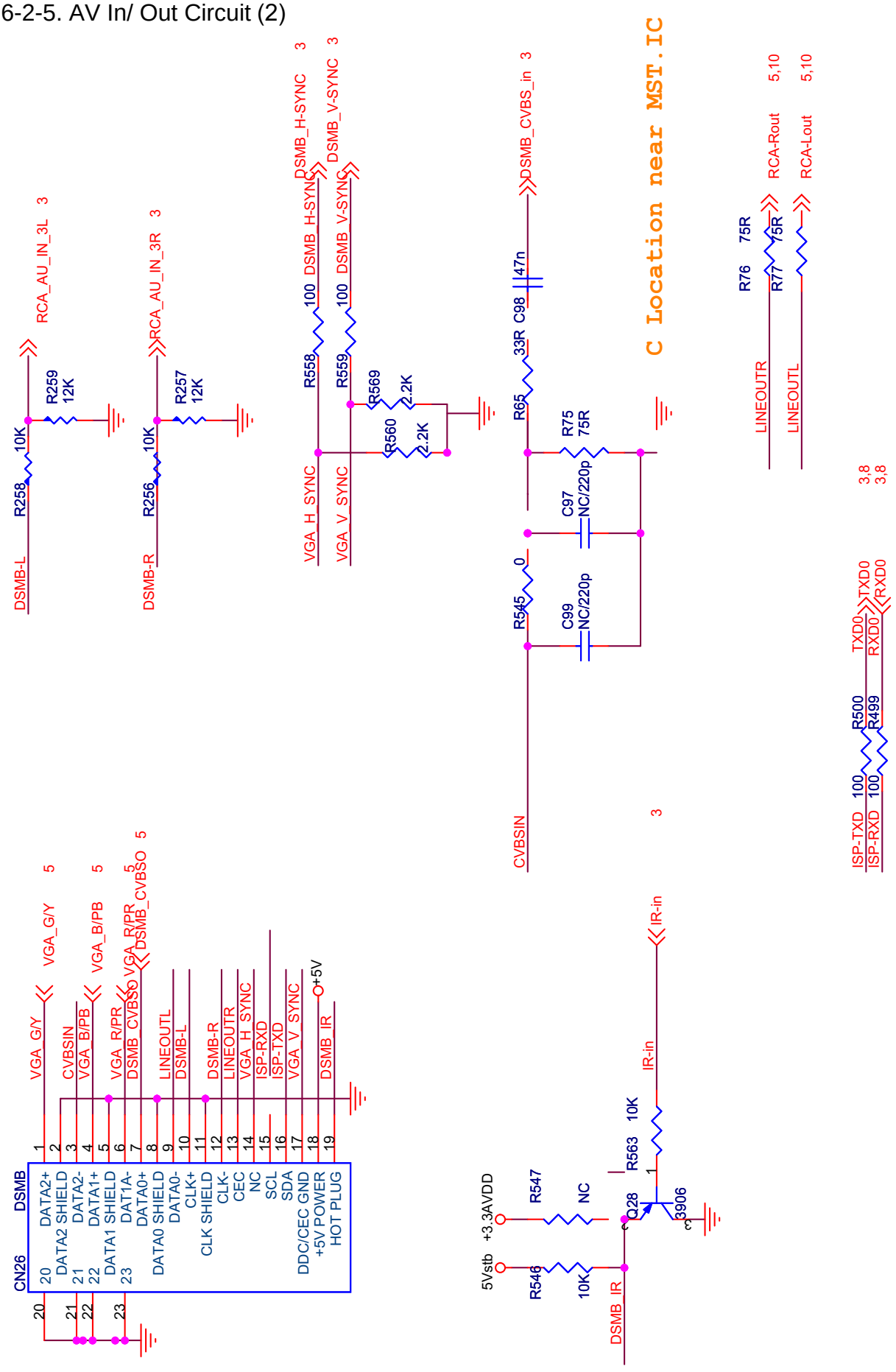
6-2-4. Tuner Circuit



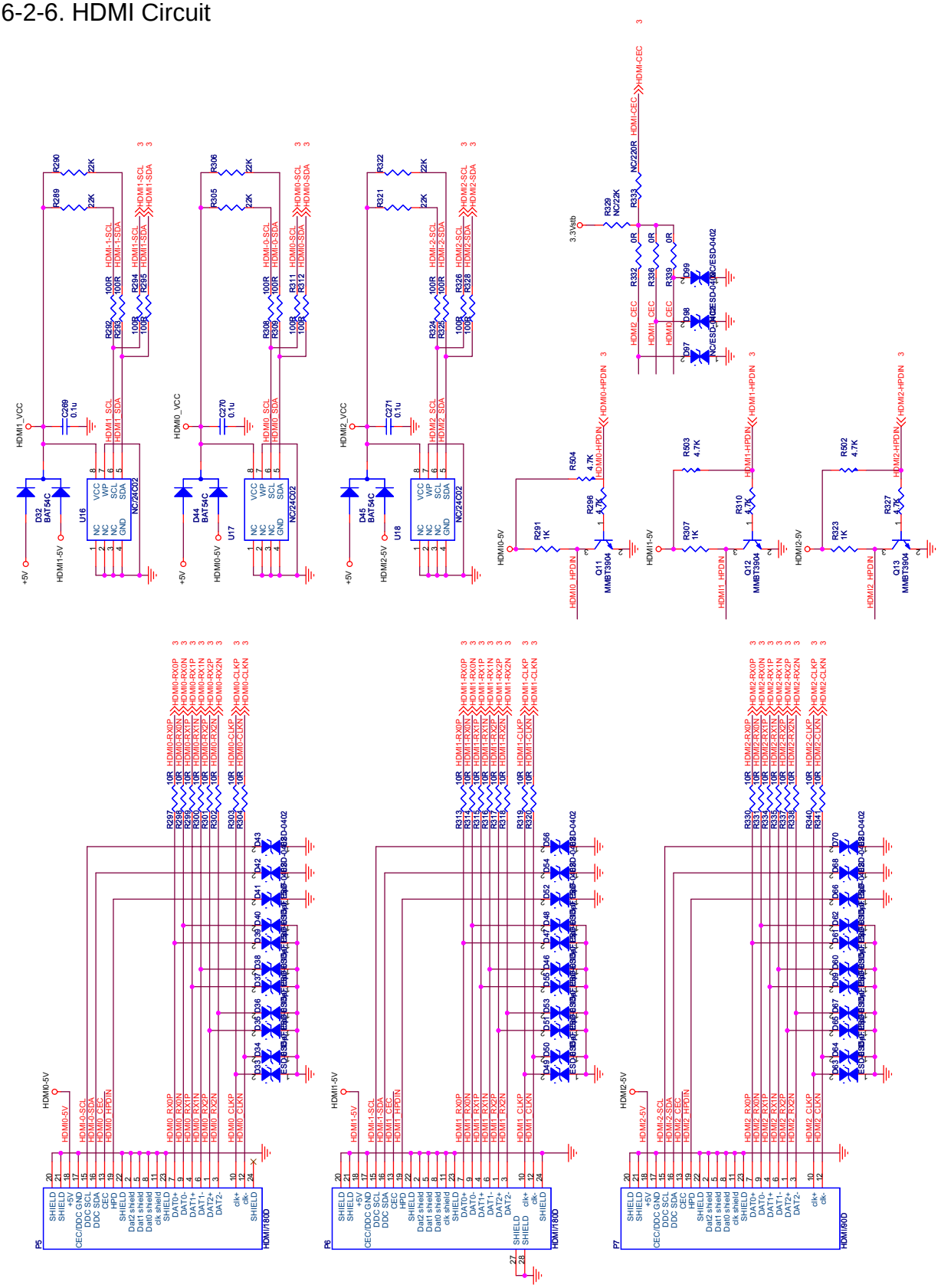
6-2-5. AV In/ Out Circuit



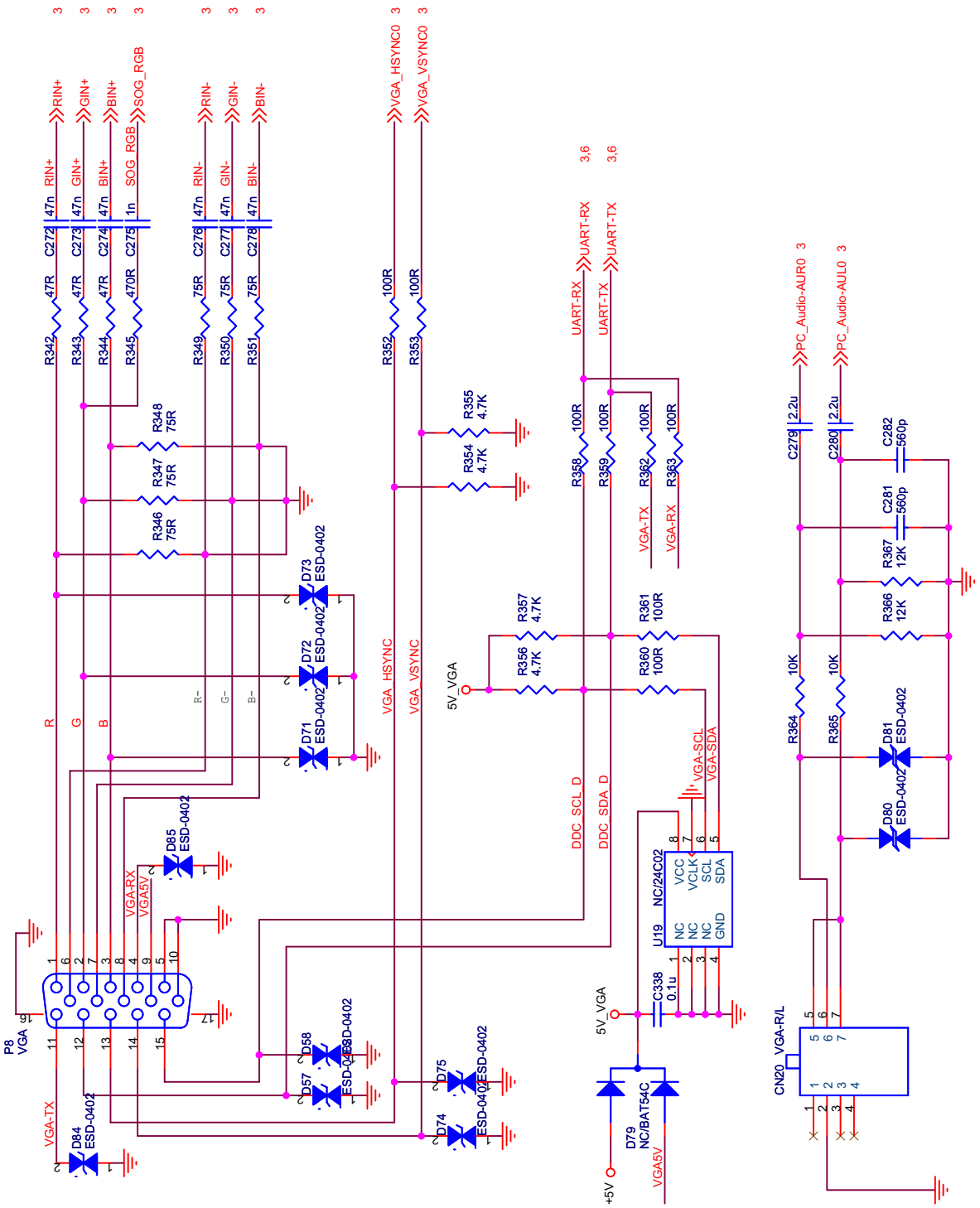
6-2-5. AV In/ Out Circuit (2)



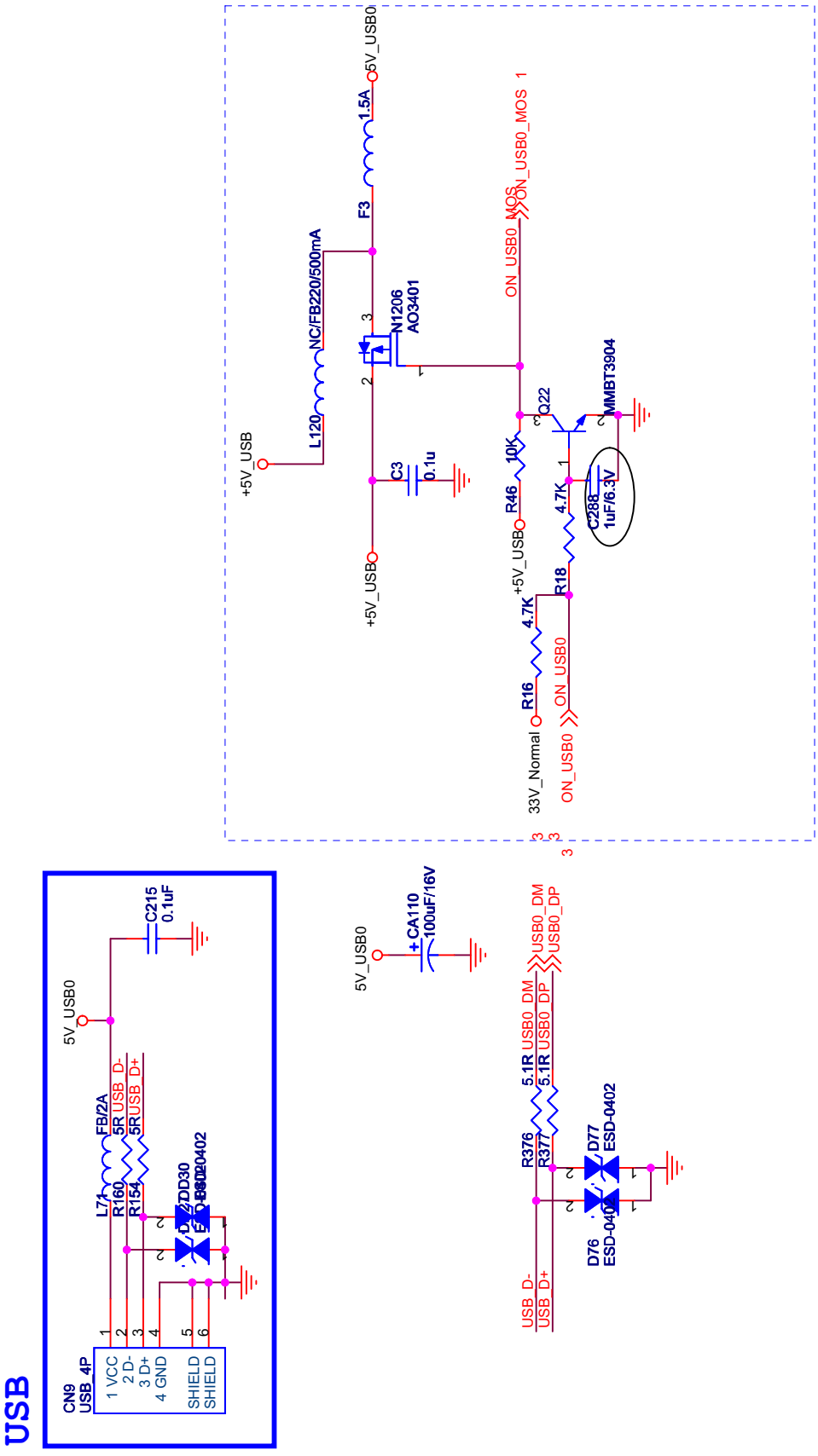
6-2-6. HDMI Circuit



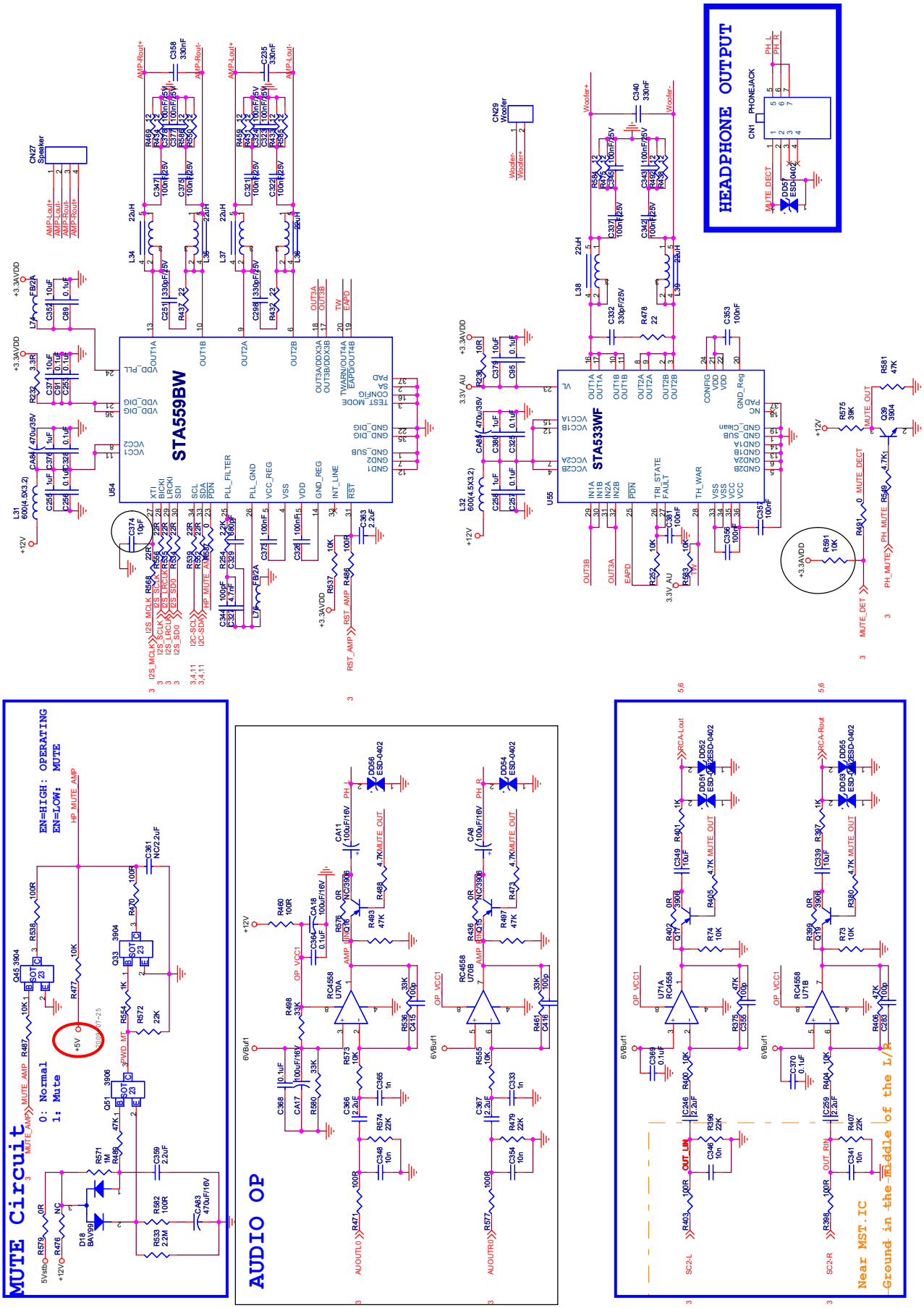
6-2-7. VGA In (PC) Circuit



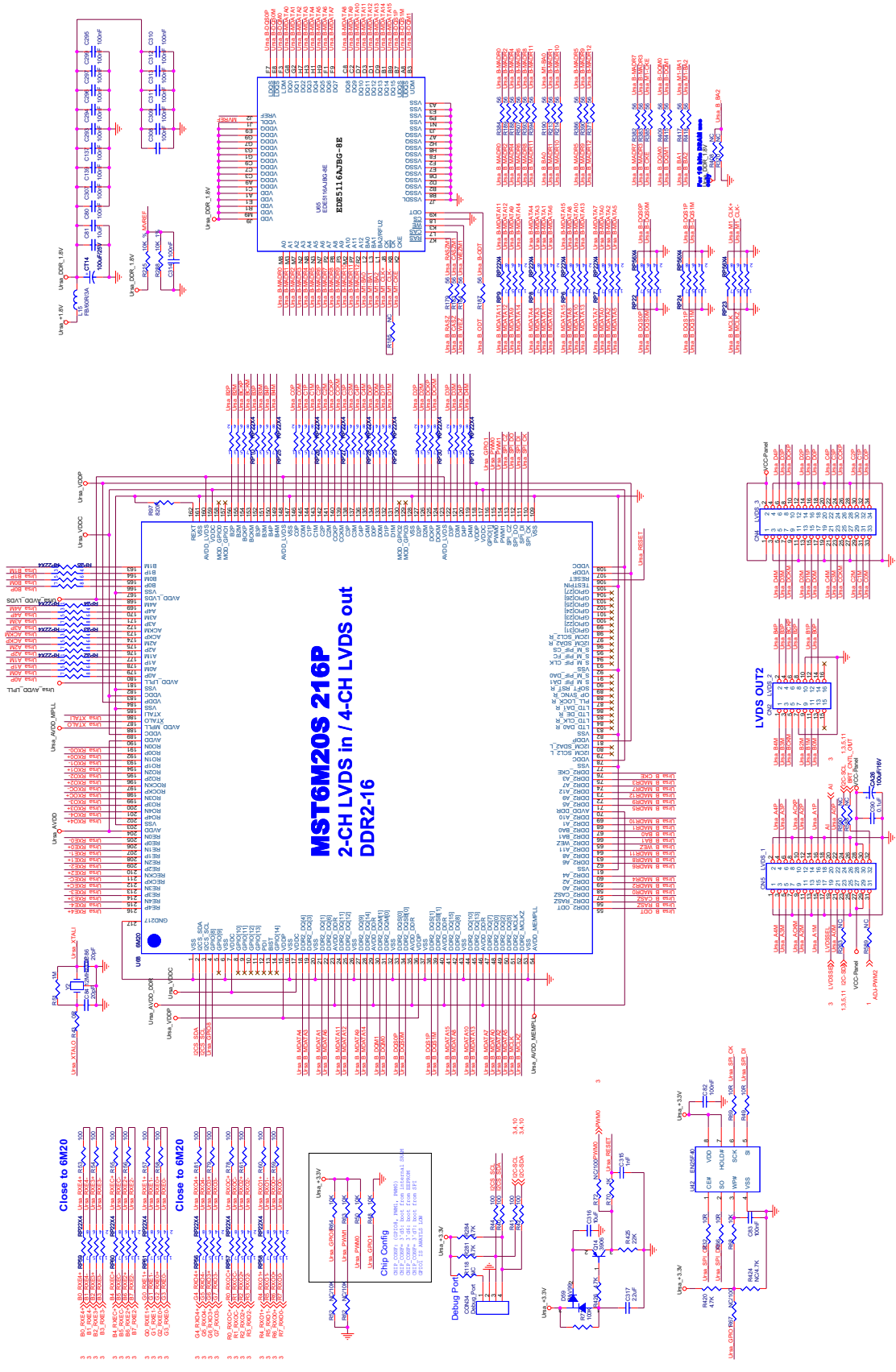
6-2-7. USB Circuit



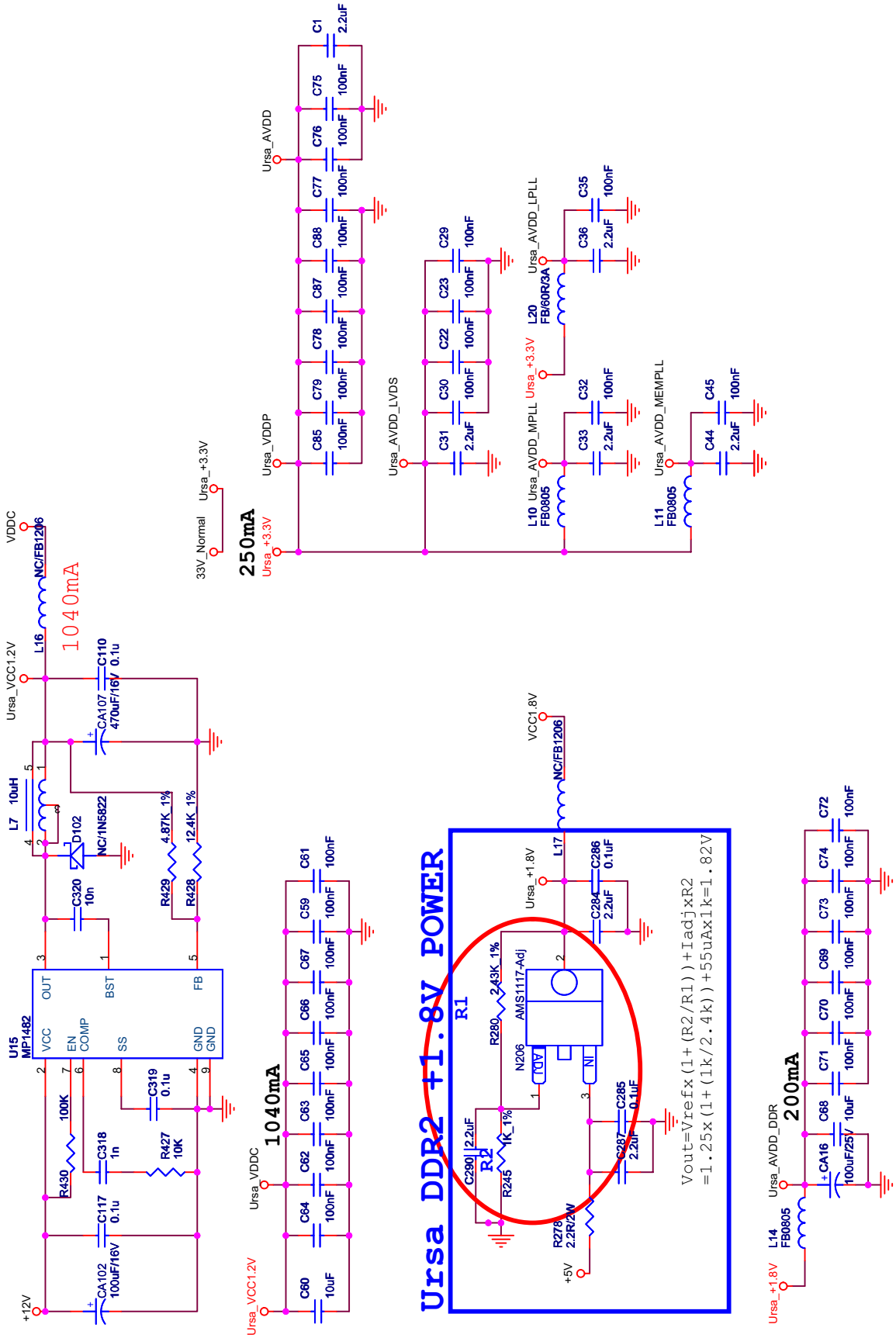
6-2-8. Audio Circuit

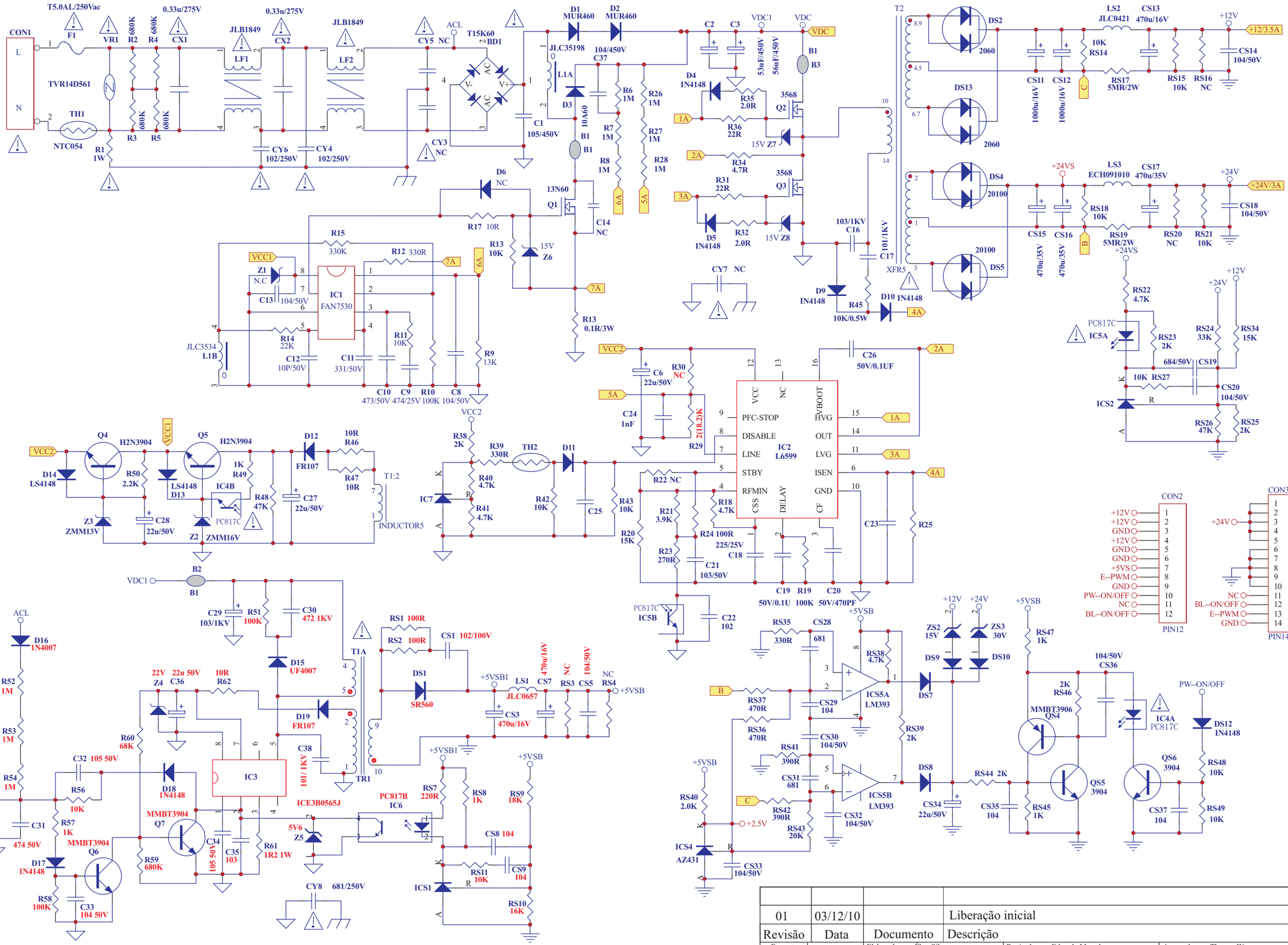


6-2-9. LVDS Circuit

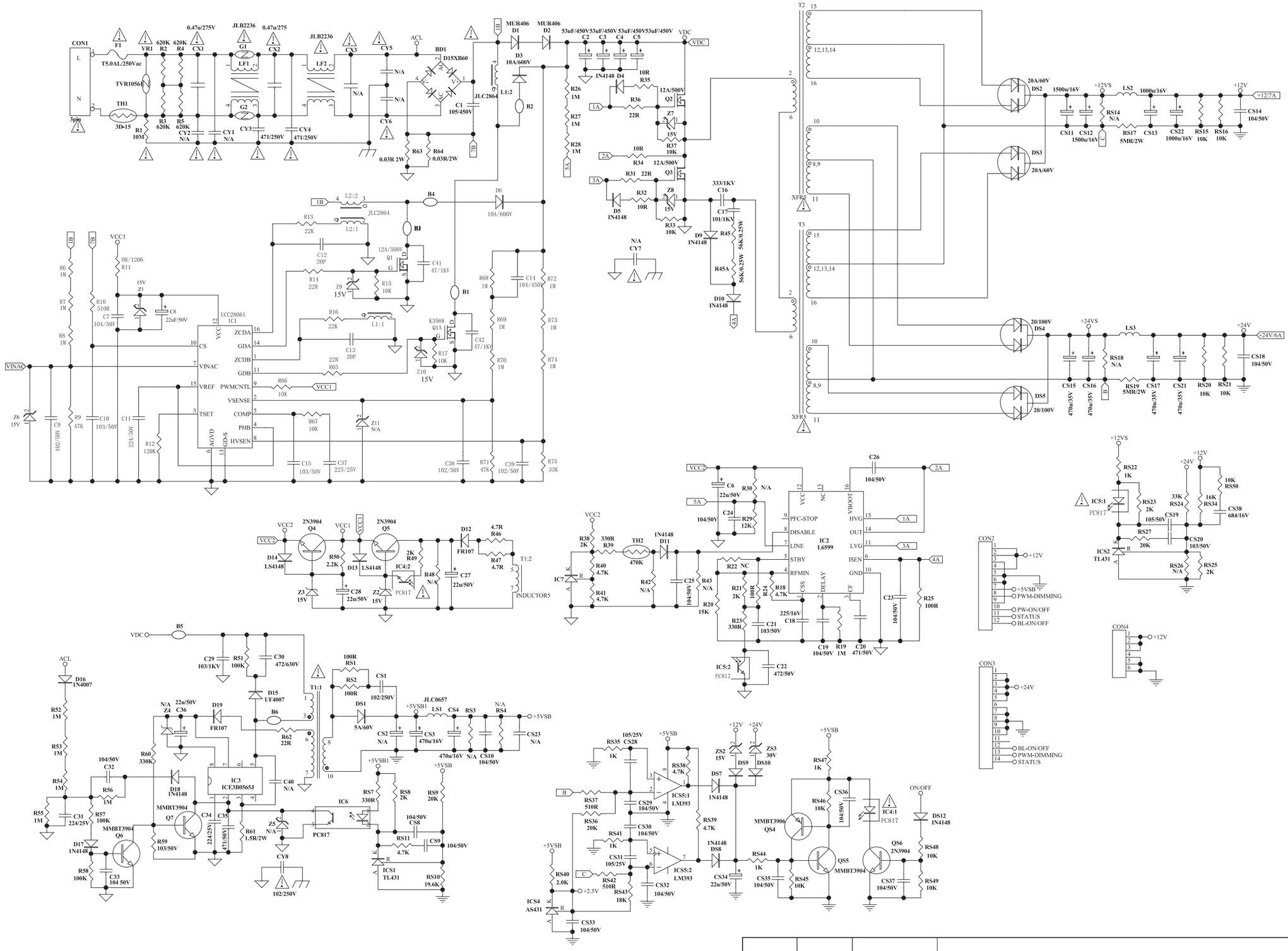


6-2-10. AVDD / 1.8V Power Circuit





01	03/12/10		Liberação inicial		
Revisão	Data	Documento	Descrição		
Formato: A3		Elaborado por: Éber Silva	Revisado por: Eduardo Macedo	Aprovado por: Thomas Wang	Modificado por:
Escala: S/E	Dimensão: mm	Tol.não especificada	Página: 1/1	Código matriz	
Fonte HBTV-32L01HD				Código sistema	BUSTER



01	03/12/10		Liberação inicial	
Revisão	Data	Documento	Descrição	

Formato		Elaborado por: Éber Silva	Revisado por: Eduardo Macedo	Aprovado por: Thomas Wang	Modificado por:
A3					

Escala	Dimensão		Tol.não especificada	Página	Código matriz
S/E	mm			1/1	

Fonte HBTV-42L01FD

Código sistema

BUSTER®

Chapter 7. Service Mode

7-1. Service Mode (Modo de serviço)

7-1-1.Como acessar o menu de serviços com o controle remoto do usuário:

digite no controle remoto: MENU 8 8 9 3

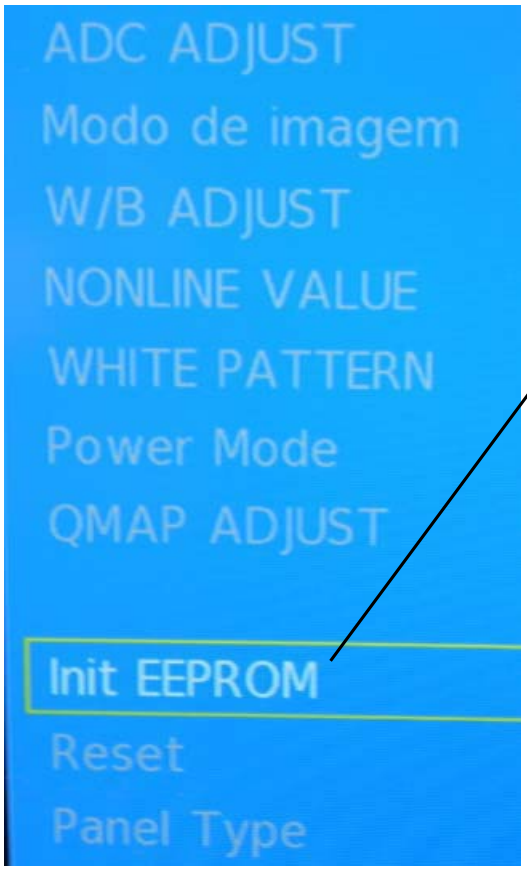
A tela do TV aparecerá as informações como na figura abaixo.
Na última linha do menu de serviços, aparecerá a versão da placa e o modelo do painel de LCD, como por exemplo: ”L_MST6M36J S_AU32VP_BX”.

7-1-2.Como sair do menu de serviços:

Simplesmente pressione a tecla EXIT no controle remoto do usuário ou desligue o equipamento.

7-2. Measurements and Adjustments (medições e ajustes):

NÃO HÁ AJUSTES A SEREM REALIZADOS NESSE MODELO. RECOMENDA-SE NÃO ALTERAR NENHUM VALOR DE FÁBRICA!



ATENÇÃO!!!

Ao realizar uma atualização de software, troca da memória EEPROM ou o aparelho se mostrar instável, realize o procedimento abaixo.

Pressione os botões UP/DOWN e selecione “Init EEPROM",então pressione o botão">". Demorará alguns segundos para a execução.

NOTA : Após o “reset”, desligue e religue o aparelho.

Chapter 8. Firmware Update (Atualização de programa):

8-1. Initial Care (Cuidados Iniciais):

Este procedimento a seguir somente deve ser executado quando o equipamento apresentar anormalidade em sua operação, ou quando houver um comunicado oficial para realizar tal procedimento.
Não faça a atualização se o equipamento estiver funcionando corretamente.
Leia atentamente o procedimento todo e execute a tarefa conforme descrito a seguir.
Em caso de dúvidas, solicite sempre o auxílio do suporte técnico da H-Buster.

NUNCA FAÇA ESSE PROCEDIMENTO SE A REDE ELÉTRICA ESTIVER INSTÁVEL, SOB RISCO DE DANO IRREVERSÍVEL À MEMÓRIA OU MESMO A PLACA PRINCIPAL. RECOMENDAMOS O USO DE NO-BREAK PARA A SEGURANÇA DO EQUIPAMENTO.

8-2. Initial Procedures (Procedimentos Iniciais):

8-2-1. Needed tools (Ferramentas necessárias):

- Um pen-drive vazio e formatado (FAT32) - mínimo 512MB;
- Controle remoto do equipamento;
- Versão mais recente baixada do site de serviços.

Para obter a versão mais recente, entre no site de serviços da H-Buster e faça o download conforme o modelo do equipamento e do painel de LCD (se houver). Em caso de dúvidas, entre em contato com o suporte técnico.

Links para o download dos softwares dos modelos (é preciso estar logado na Página de serviços):

HBTV-32L01HD: http://autorizadas.hbuster.com.br/pages/visualizarArquivo.aspx?arquivo=1115

HBTV-42L01FD: http://autorizadas.hbuster.com.br/pages/visualizarArquivo.aspx?arquivo=1114

8-2-2. How to identify the Panel Type (Como identificar o modelo de painel de LCD):

8-2-2-1. Service Mode Menu (menu do modo de serviço):

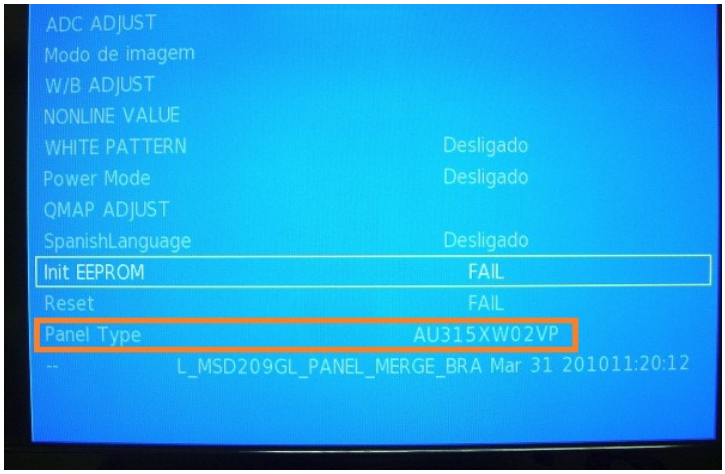


Fig. 8.1 - Identificação do painel de LCD no menu de serviços

8.2.2.1- Rear side of LCD Panel (lado traseiro do painel de LCD):



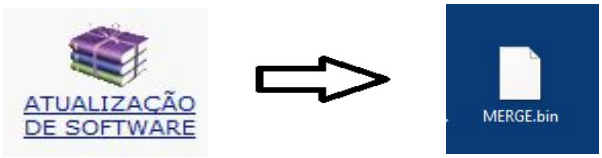
Fig. 8.2 - Identificação do painel de LCD pela etiqueta colada no verso (parte interna).

NOTA: OS EXEMPLOS APRESENTADOS ACIMA SÃO MERAMENTE INFORMATIVOS. SEMPRE EXECUTE O PROCEDIMENTO ACIMA PARA EVITAR ERROS NO PEDIDO.

8.2.2- Copying the firmware to USB Memory Key (copiando o programa no pen-drive):

O arquivo que está no site de serviços está “zipado (compactado).” Para descompactá-lo, é necessário ter instalado em seu computador um programa descompactador (ex.: Winzip, WinRAR, etc.) Salve no desktop e descompacte-o no PC. Se o programa descompactador criar uma pasta, abra a pasta e copie para o pen-drive o arquivo que está dentro da pasta (NÃO COPIE A PASTA TODA).

O nome do arquivo a ser copiado para o pen-drive NÃO DEVE SER ALTERADO, CASO CONTRÁRIO O TV NÃO IRÁ RECONHECER O ARQUIVO!



8.3 - Upgrading firmware (Atualizando o programa):

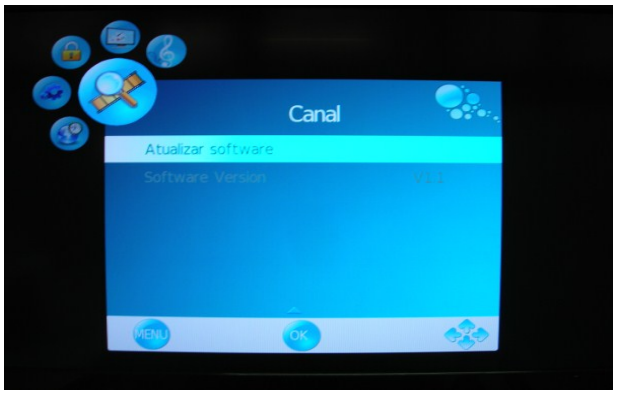
Siga os procedimentos abaixo atentamente:

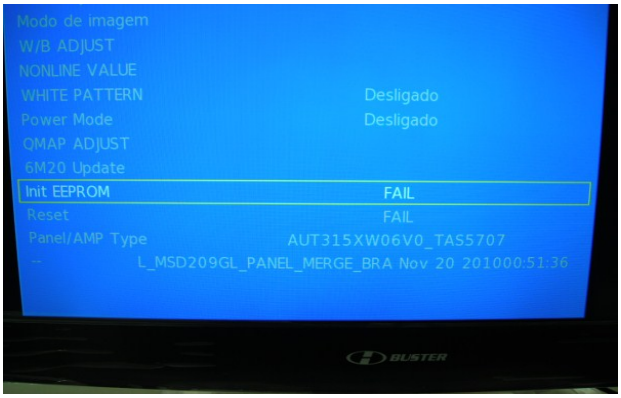
1) Com o TV funcionando, conecte o pen-drive com o prgrama gravado, na porta USB;
2) Aperte a tecla MENU do controle remoto e vá até a opção CANAL com as teclas de navegação e aperte OK;
3) Dentro do menu CANAL, desça até a página seguinte onde aparecerá "Atualizar Software" e aperte OK;
4) Aparecerá na tela a pergunta de confirmação, confirme e aperte OK;
5) Aguarde até o final da atualização, onde o equipamento desligará e religará sozinho;
6) Entre no menu de serviços e faça a reinicialização da memória com o comando INIT EEPROM (consulte o capítulo 7 para maiores explicações).

8-4. Firmware Update Diagrams
(Diagramas da atualização de programa):

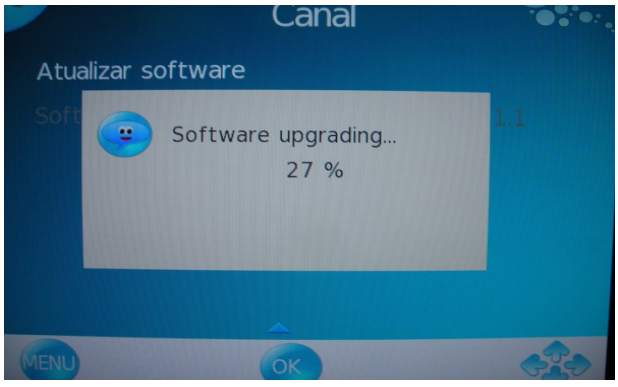


Confira o funcionamento completo do TV (sinal digital, entradas HDMI, Video Componente, AV, etc.)







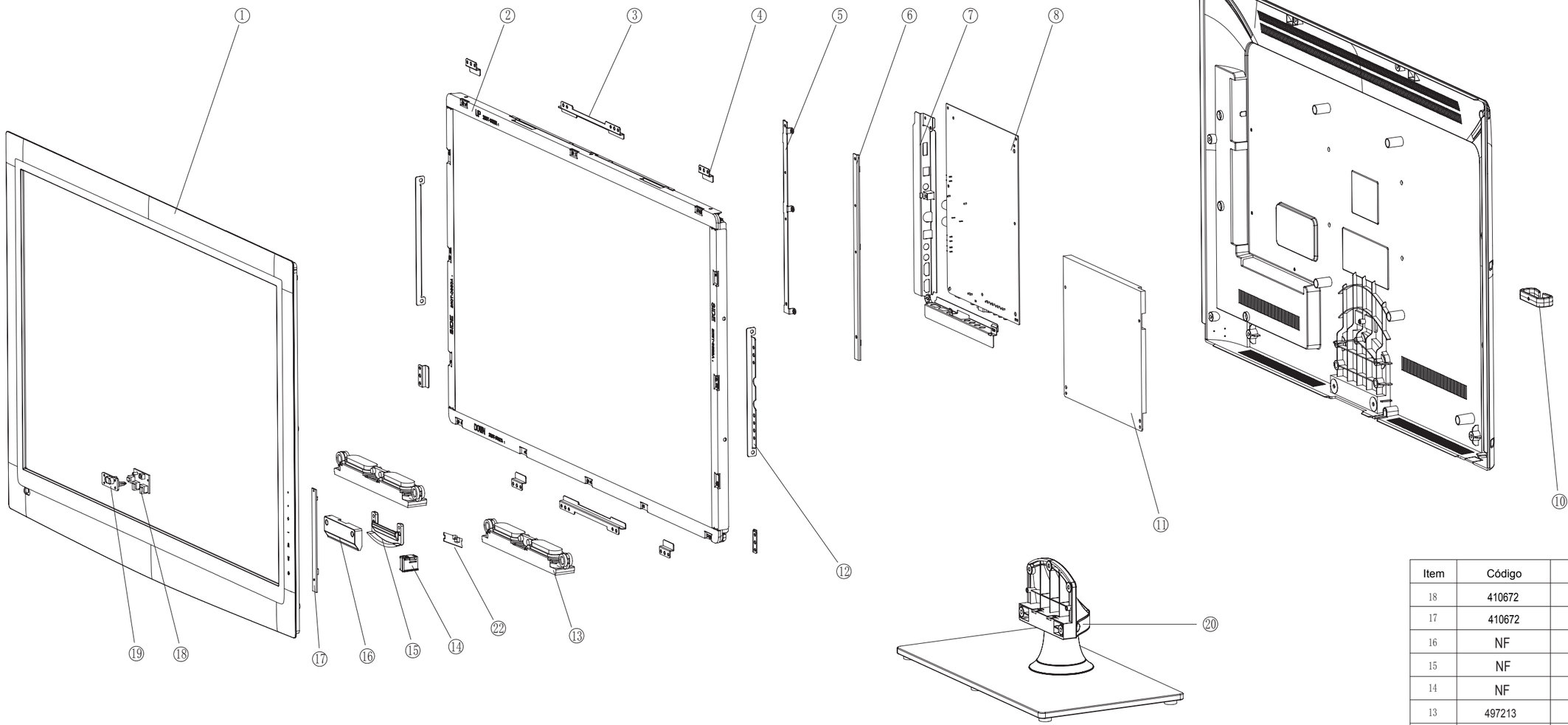


Chapter 9. Exploded View and Parts List (Vista Explodida e Lista de Peças)

9.1-HBTV-32L01HD

9.2-HBTV-42L01FD

9-1. HBTV-32L01HD





Obs.:

1 - Os itens marcados como (***) somente podem ser solicitados mediante suporte técnico;

2 - Os itens marcados como "NF" não são fornecidos

Item	Código		Descrição	Qtd.
---	497211		Cabo LVDS	1
21	497207		Controle Remoto	1
20	410513		Pedestal Montado	1
19	497200		PCI Sensor IR	1

Item	Código		Descrição	Qtd.
18	410672		PCI Led Stand-by	1
17	410672		PCI do teclado	1
16	NF			
15	NF			
14	NF			
13	497213		Alto-falante	2
12	NF			
11	497206	***	PCI da Fonte	1
10	NF			
9	410512		Gabinete Traseiro	1
8	497205	***	Placa Principal	1
7	NF			
6	NF			
5	NF			
4	NF			
3	NF			
2	497204	***	Tela LCD	1
1	410511		Gabinete Frontal	1

01	26/01/11		Liberação inicial
Revisão	Data	Documento	Descrição

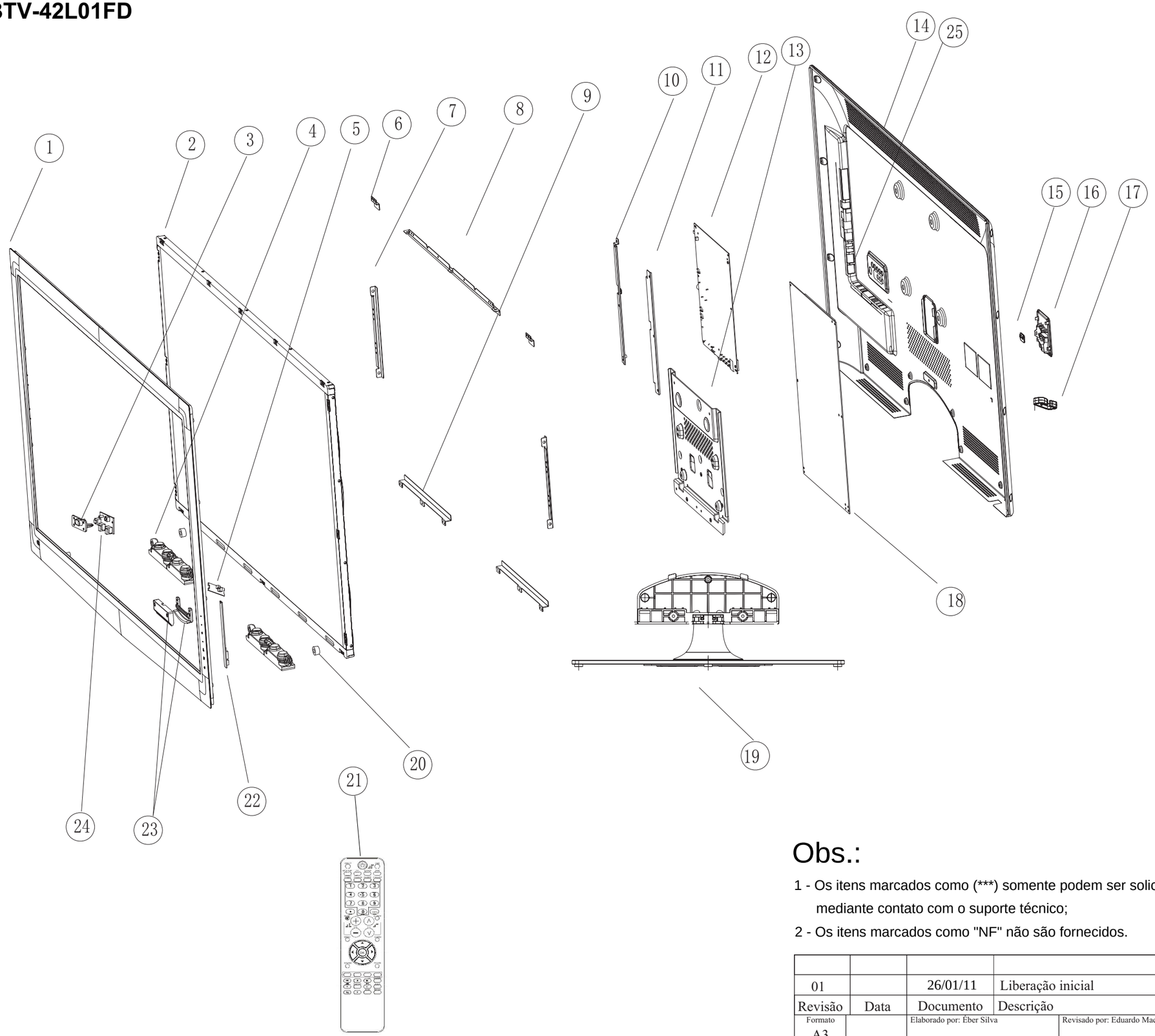
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Escala: S/E	Dimensão: mm	Tol.não especificada	Página: 1/1	Código matriz	
Vista explodida HBTV-32L01HD				Código sistema	BUSTER®

LISTA DE PEÇAS HBTV-32L01HD

Código	Descrição
410511	PAINEL FRONTAL HBTV-32L01
410512	GABINETE TRASEIRO HBTV-32L01
410672	PCI TECLADO HBTV-32L01
497200	PCI SENSOR IR HBTV-32L01
497201	PCI LED STAND-BY HBTV-32L01
497202	CONJUNTO DE CALÇOS HBTV-32L01
410510	EMBALAGEM HBTV-32L01
410513	PEDESTAL HBTV-32L01
497203	CABO DE FORÇA HBTV-32L01
497204 (***)	TELA CRISTAL AU/T315XW06 V0/LED
497205 (***)	PLACA PRINCIPAL HBTV-32L01
497206 (***)	PCI FONTE HBTV-32L01
497207	CONTROLE REMOTO HBTV-32L01
497208	CABO 2 VIAS/AUDIO HBTV-32L01
497209	CABO 3 VIAS/AV HBTV-32L01
497210	CABO 3 VIAS/YPBPR HBTV-32L01
497211	CABO LVDS HBTV-32L01
497212	MANUAL HBTV-32L01
497213	ALTO FALANTE HBTV-32L01

OBS.: OS ITENS MARCADOS COMO (***) SOMENTE PODEM SER SOLICITADOS MEDIANTE CONTATO COM O SUPORTE TÉCNICO

9-2. HBTV-42L01FD



No.	Part Name	Codigo		Qtd.
	Cabo LVDS	497225		1
24	PCI Sensor IR	497215		1
23	NF			
22	PCI LED Stand-by	497216		1
21	Controle Remoto	497224		1
20	NF			2
19	Pedestal	410602		1
18	placa da fonte	497222	***	1
17	NF			
16	NF			
15	NF			
14	Gabinete traseiro	410601		1
13	NF			
12	placa principal	497221	***	1
11	NF			
10	NF			
9	NF			
8	NF			
7	NF			
6	NF			
5	NF			
4	alto-falantes	497217		2
3	PCI do Teclado	497214		
2	Tela de LCD	497220	***	1
1	Painel frontal	410600		1

Obs.:

1 - Os itens marcados como (***) somente podem ser solicitados mediante contato com o suporte técnico;

2 - Os itens marcados como "NF" não são fornecidos.

01		26/01/11	Liberação inicial			
Revisão	Data	Documento	Descrição			
Formato A3		Elaborado por: Éber Silva		Revisado por: Eduardo Macedo	Aprovado por: Thomas Wang	Modificado por:
Escala S/E	Dimensão mm		Tol.não especificada	Página 1/1	Código matriz	BUSTER®
Vista explodida HBTV-42L01FD					Código sistema	

LISTA DE PEÇAS HBTV-42L01FD

Código	Descrição
410600	PAINEL FRONTAL HBTV-42L01
410601	GABINETE TRASEIRO HBTV-42L01
497214	PCI TECLADO HBTV-42L01
497215	PCI SENSOR IR HBTV-42L01
497216	PCI LED STAND-BY HBTV-42L01
497217	ALTO FALANTE HBTV-42L01
497218	CONJUNTO DE CALÇOS HBTV-42L01
410599	EMBALAGEM HBTV-42L01
410602	PEDESTAL HBTV-42L01
497219	CABO DE FORÇA HBTV-42L01
497220 (***)	TELA CRISTAL LIQUIDO HBTV-42L01
497221 (***)	PLACA PRINCIPAL HBTV-42L01
497222 (***)	PCI FONTE HBTV-42L01
497223	TAMPA INFERIOR HBTV-42L01
497224	CONTROLE REMOTO HBTV-42L01
497225	CABO LVDS HBTV-42L01
497226	CABO 2 VIAS/AUDIO HBTV-42L01
497227	CABO 3 VIAS/AV HBTV-42L01
497228	CABO 3 VIAS/YPbPr HBTV-42L01
497229	MANUAL HBTV-42L01

OBS.: OS ITENS MARCADOS COMO (***) SOMENTE PODEM SER SOLICITADOS MEDIANTE CONTATO COM O SUPORTE TÉCNICO