

TTE 220 SLIM BLOCK DIAGRAM

SERVICE MODE MENU

To enter service menu; open the "OVERVIEW " menu (keep the menu item cursor on the "Exit" item) and pres " 1 9 2 3 " .

1. SERVICE MENU :

- Sw version
- Setup
- Geometry
- Video
- Sound
- Pip Service
- EEPROM Reset

Service Version : It shows software version.

Setup : It includes CRT, OSD, TXT,Tuner,Scart, No Signal adjustmens-options.

Geometry : All geometry adjustments can be done via this menu.

Video : Video adjustments (white point,Black level etc.)

Sound : This submenu includes sound adjustmens and options like Prescale values of FM,NICAM,Scart,LL'. Also tv systems can be choosen in this menu.

Pip Service : With this menu, Some Pip adjustmens can be done. Pip frame color, frame width etc.

EEPROM Reset : This is used for reset the TV. All geometry, sound, setup, pip values are set the default values.

2. Setup Menu :

- CRT Type
- Translucency
- TXT Language
- Main Tuner Selection
- Pip Tuner Selection
- Main Tuner AGC
- OSD Brightness

- **TXT Brightness**
- **OSD Contrast**
- **TXT Contrast**
- **Scart3 Option**
- **SVHS Option**
- **No Signal Status**

CRT Type :

Options : 16/9 Tube – 4/3 Tube

This item is for tube type selection.

Translucency :

Adjustments : 0 ... 128 step.

This is related to OSD visibility. At 0, it is hardly visible, at 128 OSD is solid.

TXT Language

Options : East – West

This is Teletext language option.

Main Tuner Selection :

Option : orega – samsung – philips – alps

After replacing the main tuner with the new one listed above, this option must be set.

Pip Tuner Selection :

Option : orega – samsung – philips – alps

After replacing the pip tuner with the new one listed above, this option must be set.

Main Tuner AGC :

Adjustment : -15 ... 15

Default Tuner AGC value is "0" . (Pip AGC adjustmen is in "Pip service" menu)

OSD Brightness :

Adjustment : 0 ... 255

Default value is 50. Low values make the OSD dark.

TXT Brightness :

Adjustment : 0 ... 255

Default value is 20. Low values make the Teletext dark.

OSD Contrast :

Adjustment : 0 ... 64

Default value is 8. Low values make the OSD Black.

TXT Contrast :

Adjustment : 0 ... 64

Default value is 7. Low values make the TXT Black.

Scart 3 Option :

Option : on – off

It should be off if the third scart is not available on the hardware.

SVHS Option :

Option : on – dvd – dvd logo – off

It configures the SVHS input. If DVD available on the hardware, then it can be set dvd. DVD logo option is for starting-up with DVD logo on the screen.If there is no SVHS input, it should be set to "off"

No Signal Status :

Option : on – off

If this option set to off, TV never shuts down in case of no signal available. It should be use at the time of production. Default value is "on"

3. Geometry Menu

- **V-Slope**
- **V-Position**
- **V-Amplitude**
- **V-S correction**
- **H-Blanking**
- **H-Shift**

- EW- Width
- EW- Pin cushion
- EW- Trapezium
- EW- Upper Corner
- EW- Lower Corner
- H-Parallelogram
- H-Bow
- EW-EHT compens.
- Restore Default

This menu is for tube geometry adjustmens.

4. Video Menu:

- G2 Alignment
- White Point R
- White Point G
- White Point B
- Peak White Limiter
- Black Level Offset R
- Black Level Offset G
- Gain Pre-scale RGB
- Fast Blanking Delay
- Luma Chroma Delay
- Restore Default
- Brightness Offset

G2 Alignment :

To adjust G2, press left or right navigation key on the RC. There is a message box at the bottom of the screen. Increase or decrease the G2 until "G2 is ok." Message appear in the message box.

White Point R :

White Point G:

White Point B :

Adjustment : 0 ... 63

Black Level Offset R

Black Level Offset G

Adjustment : 0 ... 15

These are for white balance adjustments. This adjustment is done automatically at the factory. If it is have to do with manually, these items can be used.

Peak White Limiter :

Adjustment : 0 ... 15

It puts a limit for white points in dark scenes. Default value is "0"

Gain Pre-Scale RGB

Adjustment : -32 ... 32

It adjust the scart input RGB level. Default value is 0.

Fast Blanking Delay :

Adjustment : -8 ... 7

Default value is "0".

Luma Chroma Delay:

Adjustment : -8 ... 7

Default value is "0".

Restore Default :

Reset values.

Brightness Offset :

Adjustment : -5 ... 5

This is an offset value for OSD brightness. Default value is -2.

5. Sound Menu

- **L/L' AGC Adj.**
- **PreScIscart**
- **PreScIFM**
- **PreScINICAM**
- **ResvSndTh**

- PreScI MONO
- TR
- BG
- DK
- I
- MN
- Default System

L/L' AGC Adj. :

Adjustment : 0 ... 20

Default value is 7. Adjust the L/L' Agc level.

PreScI Scart :

Adjustment : -24 ... 24

This is for scart input sound level scale. Default value is "0".

PreScI FM :

Adjustment : -24 ... 48

Front End sound input level scaler. Default value is 19

PreScI NICAM :

Adjustment : -12 ... 48

Front End NICAM sound input level scaler.

Resv Snd Th

Should be "0"

PreScI MONO :

Adjustment : -24 ... 24

Front End MONO sound input level scaler. Default value is 5

TR :

Option : on – off

This is for Türkiye. It should be "off" in Europa.

BG :

DK:

I :

MN :

Option : on – off

These are TV systems. If multi-system tv feature is available on the tv set, all systems should be "on" except "MN". MN system never be "on".

Default System :

Option : BG – DK – I

6. Pip Service

- **Frame Color**
- **Frame Width Vert.**
- **Frame Width Hor.**
- **Pip Tuner AGC**

This service is available if required hardware is mounted.

Frame Color :

Option : 0 – 1 – 2 – 3 – 4 – 5 – 6 – 7

0 : Black, 1 : Red, 2: Green, 3: Blue 4: Yellow, 5: Dark Gray, 6: Light Gray, 7: White. Pip frame color can be chosen one of them above.

Frame Width Vert. :

Option : 0 ... 6

Frame vertical thickness is getting thick from 0 to 6. Default value is 3.

Frame Width Hor. :

Option : 0 ... 4

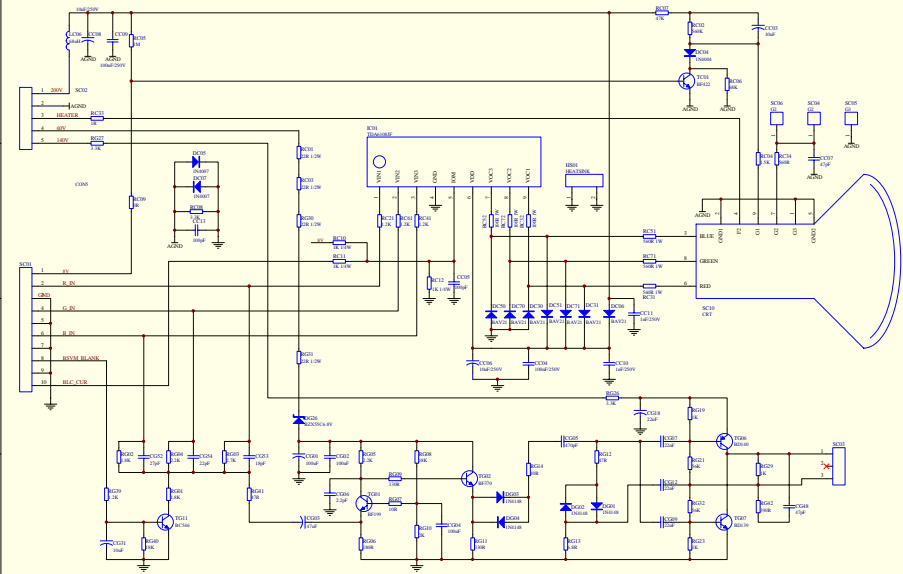
Frame Horizontal thickness is getting thick from 0 to 4. Default value is 3.

Pip Tuner AGC :

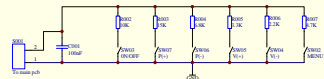
Adjusts Pip tuner AGC value.

Warning : This is available if a Pip tuner mounted to the chassis. If any adjustment attempt without Pip tuner causes the software crash and restart the TV set.

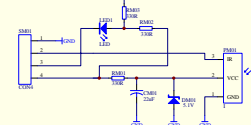
CRT



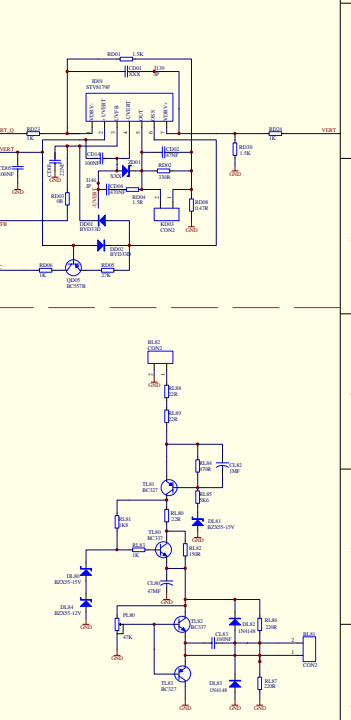
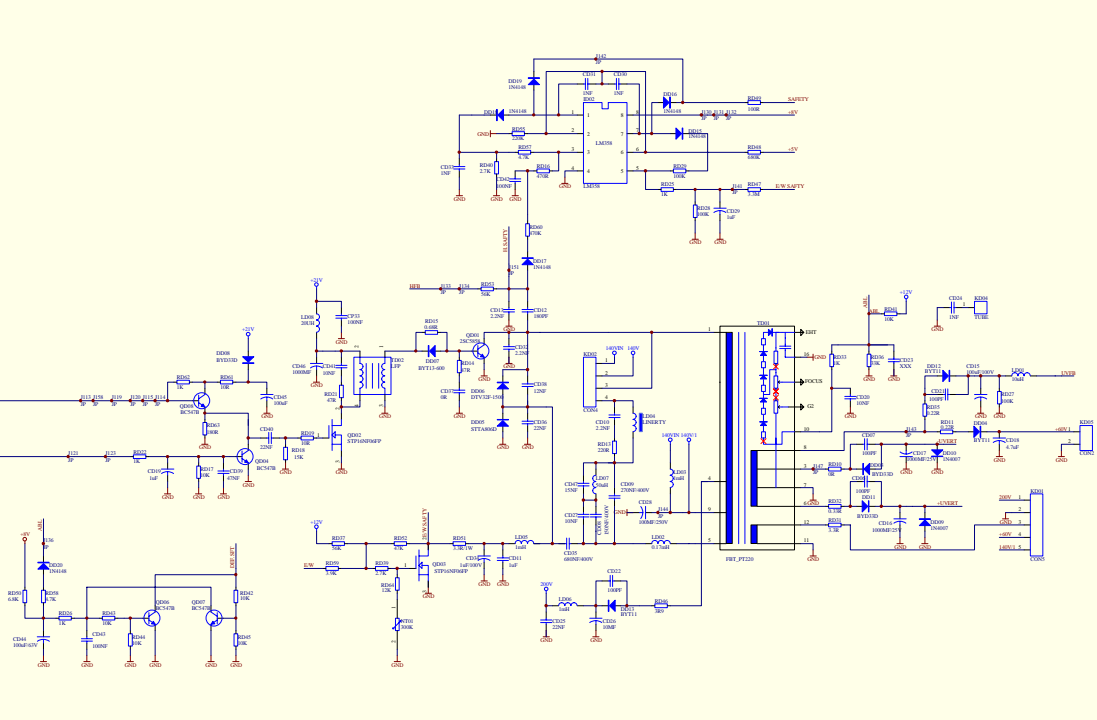
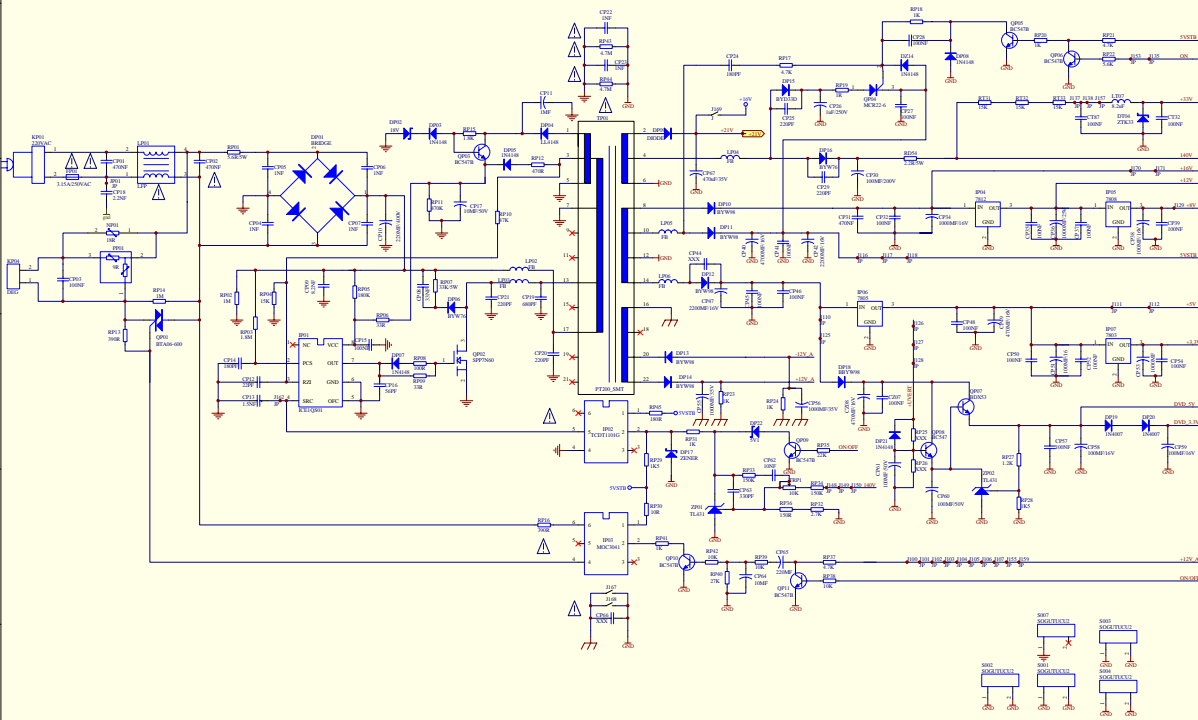
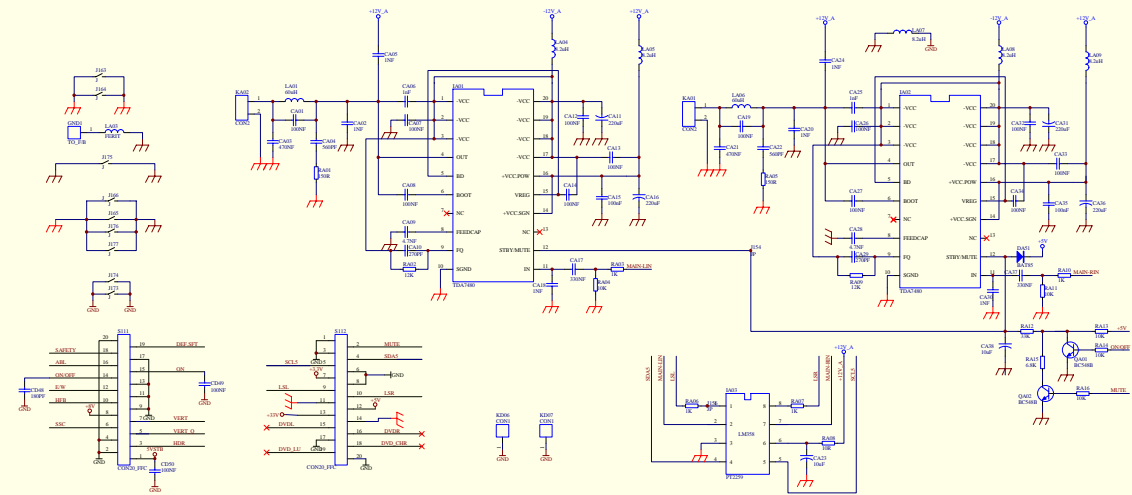
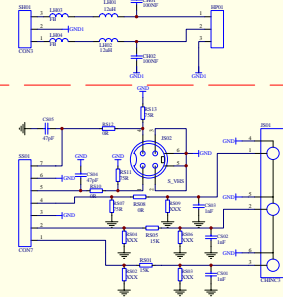
MULTI BUTTON SCHEME

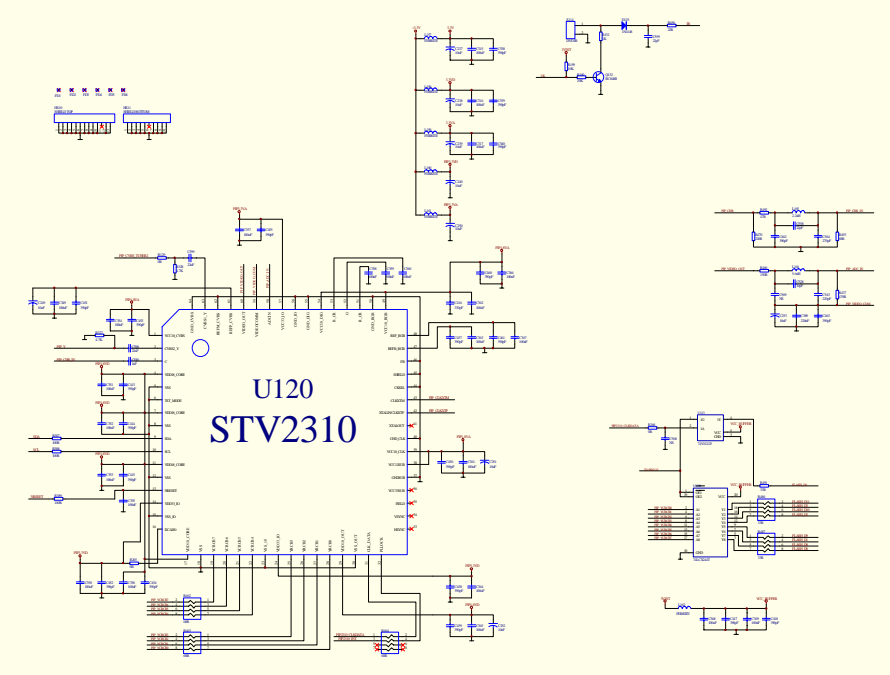
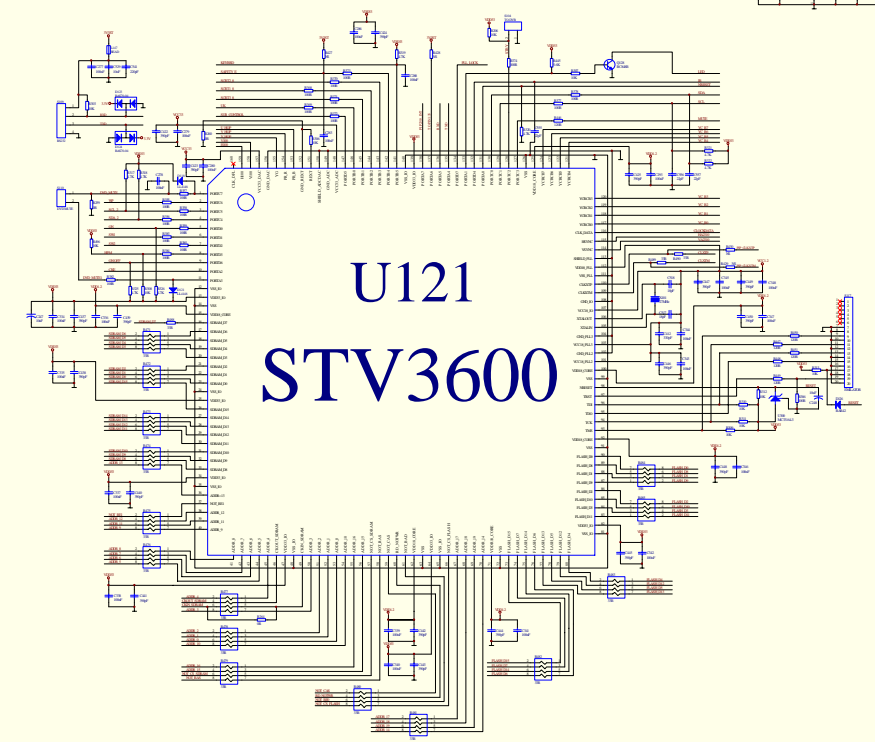
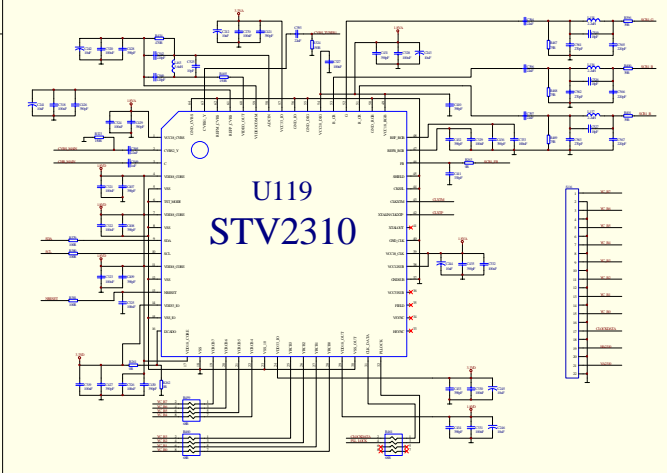
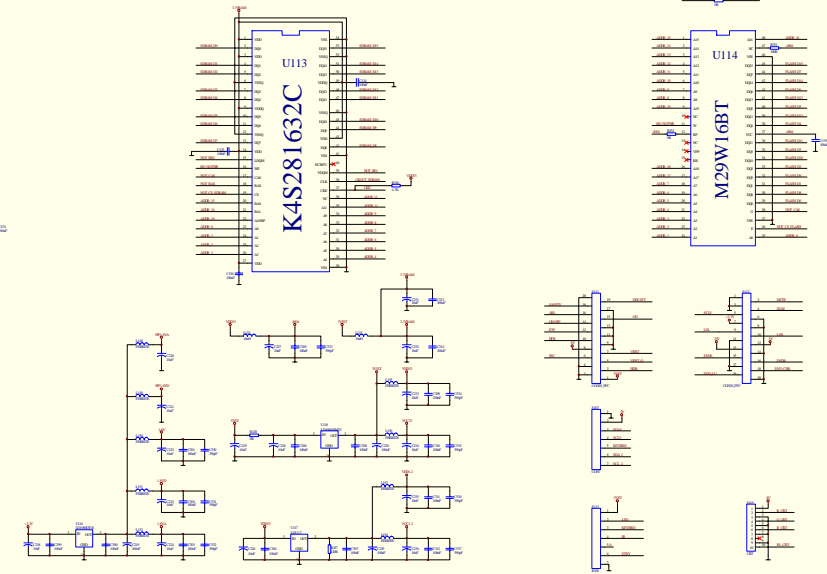
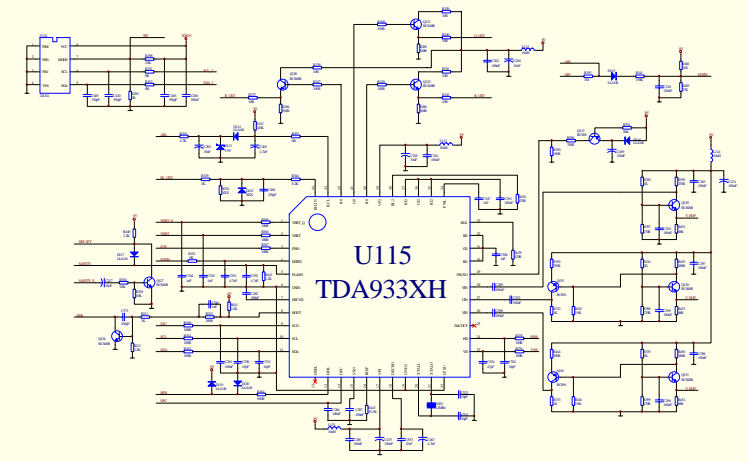
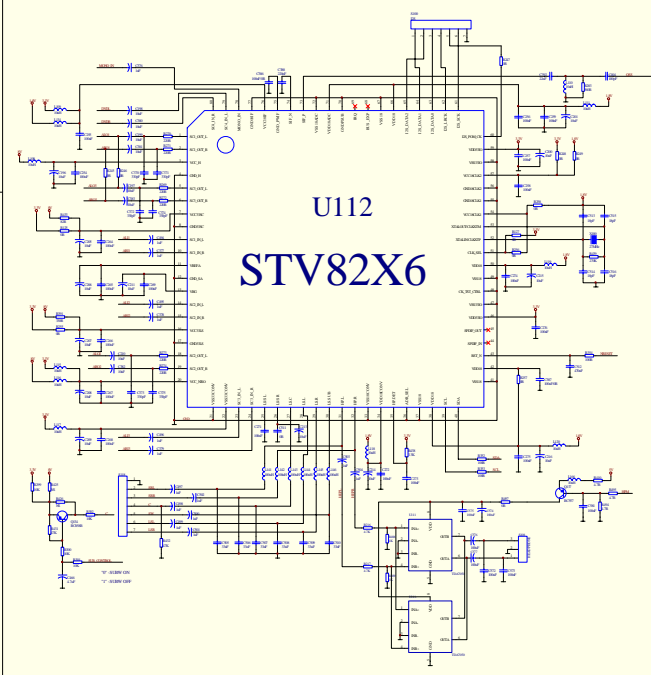
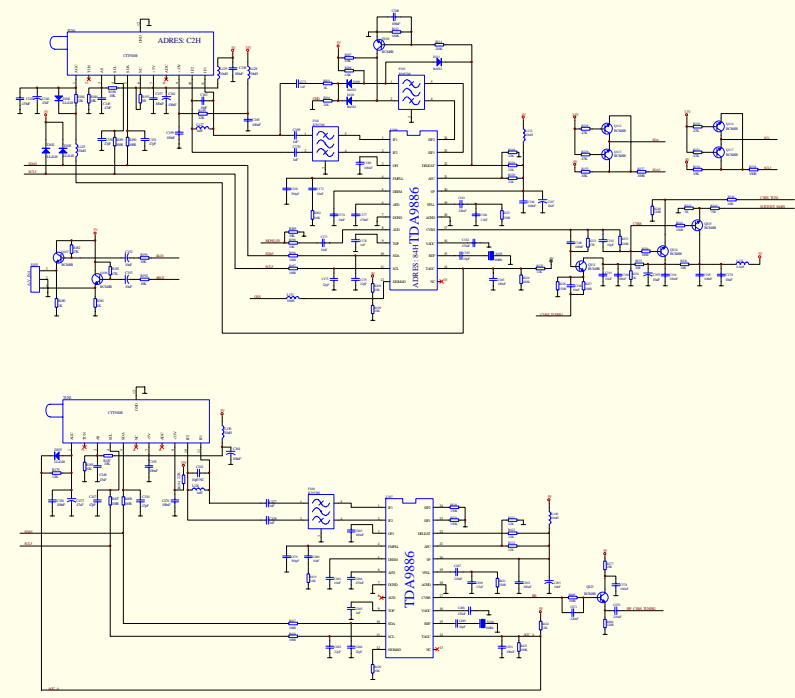
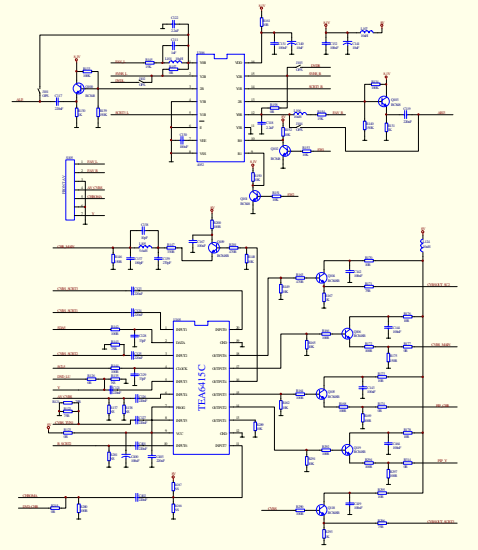
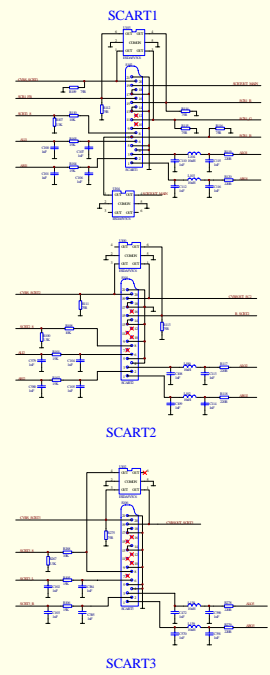


REMOTE CONTROL

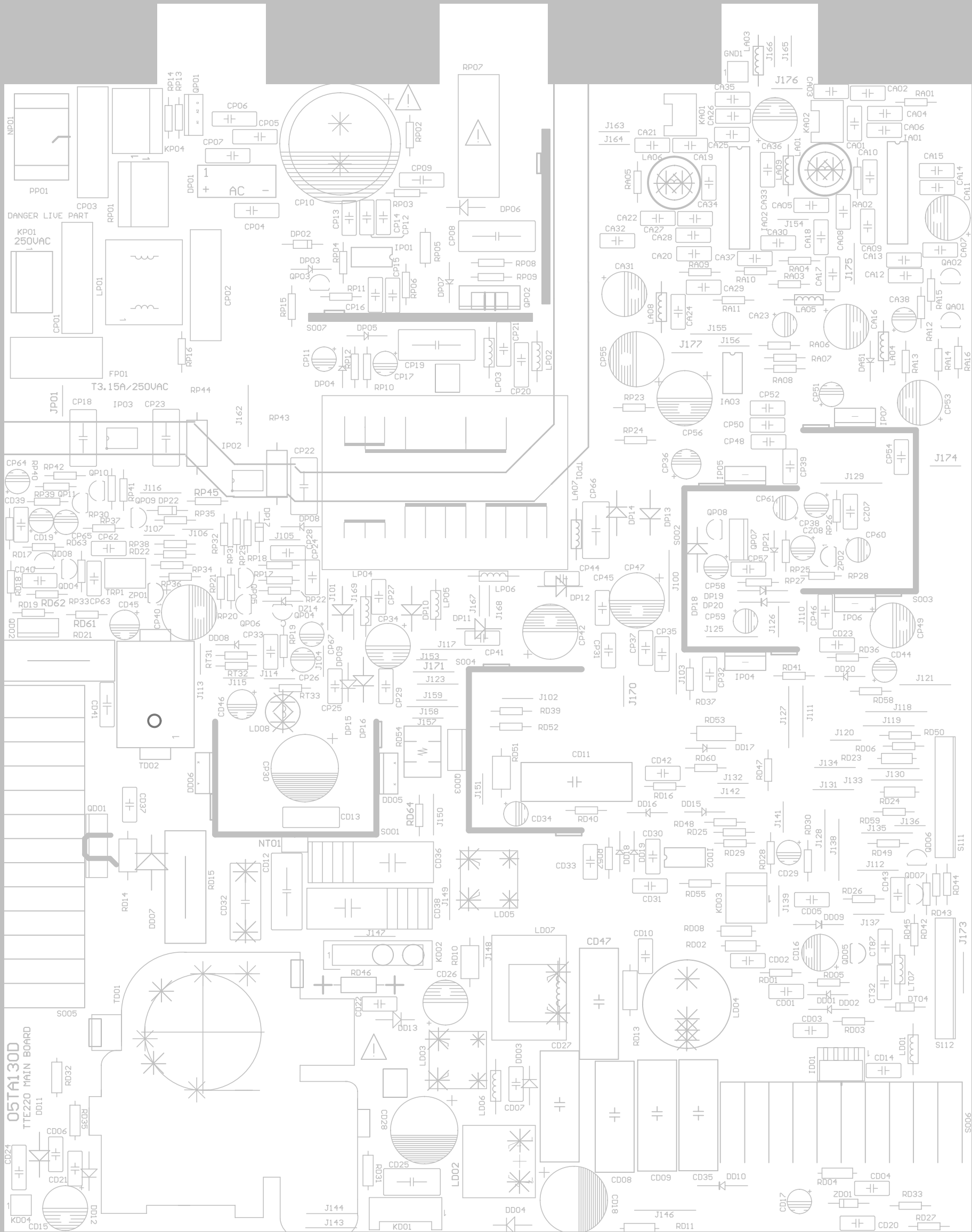


SIDE AV





05TA130D
TTE220 MAIN BOARD



NP01
PP01

DANGER LIVE PART

KP01
250VAC

FP01
T3.15A/250VAC

05TA130D
TTE220 MAIN BOARD

S006

