

# TCL

# SERVICE MANUAL

---

---

## MS19C LA Chassis L24S10F

---

---

1、 Caution .....	2
2、 Specification.....	6
3、 Alignment Procedure.....	7
4、 Block Diagram.....	22
5、 Schematic Diagram.....	23
6、 Trouble Shooting.....	30
7、 PCB Layout .....	36
ACCESSORIES	
1. Explode View Diagram.....	40
2. BOM LIST.....	41

---

---

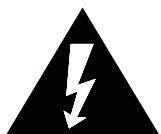
This manual is the latest at the time of printing, and does not include the modification which may be made after the printing, by the constant improvement of product

# 1. CAUTION

## CAUTION:

Use of controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.

---



**CAUTION**  
**RISK OF ELECTRIC SHOCK DO NOT OPEN.**



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

---



The lightning flash with arrowhead symbol, with an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the person.

---



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

---

**WARNING: TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

# IMPORTANT SAFETY INSTRUCTIONS

---

## CAUTION:

Read all of these instructions. Save these instructions for later use. Follow all Warnings and Instructions marked on the audio equipment.

1. Read Instructions- All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions- The safety and operating instructions should be retained for future reference.
3. Heed Warnings- All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions- All operating and use instructions should be followed.

## FOR YOUR PERSONAL SAFETY

---

1. When the power cord or plug is damaged or frayed, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
2. Do not overload wall outlets and extension cords as this can result in fire or electric shock.
3. Do not allow anything to rest on or roll over the power cord, and do not place the TV where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.
4. Do not attempt to service this television set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
5. Never push objects of any kind into this television set through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the television set.
6. If the television set has been dropped or the cabinet has been damaged, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
7. If liquid has been spilled into the television set, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
8. Do not subject your television set to impact of any kind. Be particularly careful not to damage the picture tube surface.
9. Unplug this television set from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 10.1. Do not place this television set on an unstable cart, stand, or table. The television set may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer, or sold with the television set. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.
- 10.2. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



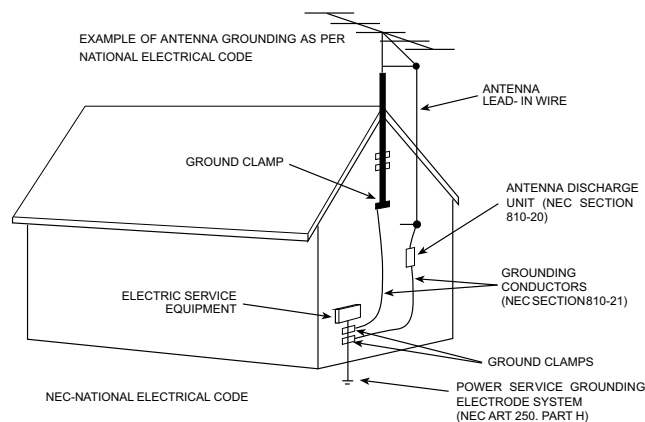
# PROTECTION AND LOCATION OF YOUR SET

11. • Do not use this television set near water ... for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
  - Never expose the set to rain or water. If the set has been exposed to rain or water, unplug the set from the wall outlet and refer servicing to qualified service personnel.
12. Choose a place where light (artificial or sunlight) does not shine directly on the screen.
13. Avoid dusty places, since piling up of dust inside TV chassis may cause failure of the set when high humidity persists.
14. The set has slots, or openings in the cabinet for ventilation purposes, to provide reliable operation of the receiver, to protect it from overheating. These openings must not be blocked or covered.
  - Never cover the slots or openings with cloth or other material.
  - Never block the bottom ventilation slots of the set by placing it on a bed, sofa, rug, etc.
  - Never place the set near or over a radiator or heat register.
  - Never place the set in a "built-in" enclosure, unless proper ventilation is provided.

# PROTECTION AND LOCATION OF YOUR SET

- 15.1. If an outside antenna is connected to the television set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges, Section 810 of the National Electrical Code, NFPA No. 70-1975, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrode, and requirements for the grounding electrode.

## EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS



- 15.2. Note to CATV system installer : (Only for the television set with CATV reception)

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

16. An outside antenna system should not be located in the vicinity of overhead power lines or other electric lights or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
17. For added protection for this television set during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage due to lightning and power-line surges.

## **OPERATION OF YOUR SET**

18. This television set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply at your home, consult your television dealer or local power company. For television sets designed to operate from battery power, refer to the operating instructions.
19. If the television set does not operate normally by following the operating instructions, unplug this television set from the wall outlet and refer servicing to qualified service personnel. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television set to normal operation.
20. When going on a holiday : If your television set is to remain unused for a period of time, for instance, when you go on a holiday, turn the television set " off " and unplug the television set from the wall outlet.

## **IF THE SET DOES NOT OPERATE PROPERLY**

21. If you are unable to restore normal operation by following the detailed procedure in your operating instructions, do not attempt any further adjustment. Unplug the set and call your dealer or service technician.
22. Whenever the television set is damaged or fails, or a distinct change in performance indicates a need for service, unplug the set and have it checked by a professional service technician.
23. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off. If the snapping or popping is continuous or frequent, unplug the set and consult your dealer or service technician.

## **FOR SERVICE AND MODIFICATION**

24. Do not use attachments not recommended by the television set manufacturer as they may cause hazards.
25. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
26. Upon completion of any service or repairs to the television set, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.



EM BUSINESS CENTER  
FTV PRODUCT MANAGEMENT DEPT.

# SPECIFICATION RELEASE

Version: V1.0

Issued Date: 2009.12.9

**Model: L24S10F/MS19C-LA/CM1**

## PICTURE

Category	LCDTV
Naturalight Technology	Yes (Dynamic Backlight)
Dynamic Contrast	Yes
Color Temperature	Warm / Normal / Cold
Backlight Adjustable	Yes
Scaler Mode	4:3, Full, Subtitle, Wide Screen
Picture Effect	Personal, Bright, Standard and Soft
Film Mode (3:2 pull down)	AUTO
1080i/1080p Dot to Dot Display	Yes (Original)
VGA Dot to Dot Display	Yes (Auto Adapt)

### Picture Enhancement

Comb Filter	3D
Dynamic Noise Reduction	3D
Adaptive Deinterlacing	3D
Blue Stretch	Yes
Black Stretch	Yes
Motion Compensation	Yes
DLTI	Yes
DCTI	Yes
Dynamic Skin Correction	Yes

## PANEL SPECIFICATION

Panel supplier	CMO
Aspect Ratio	16:9
Panel Size (inch)	23.6"
Display Resolution	1920*1080
Brightness (cd/m2)	300
Contrast Ratio	800:1
Response Time Tr/Tf	1.5/3.5ms
Viewing Angle (H/V)	160°/150°
Life Time	50,000hrs (min)
Color	16.7M

## SOUND

Speakers	Integrated speakers (Bottom side)
Audio Power Output	2×5W
Smart Volume	Yes (AVC)
Sound Effect	Stereo, Music, Cinema, News
Sound Control	Volume; Balance; Sound Channel Selecting For VGA
Sound Features	AV Stereo, Scene Selecting (DeskTop Mode and HangUp Mode)
Sound Processing	BTSC (Mono; Stereo; Sap)

## FUNCTION

OSD Language	English/Portuguese/Spanish
OSD Features	Motion Bmp style
Source in OSD	Source Bmp Icon Selecting
CC (Closed Caption)	Yes (CC1~CC4, TT1~TT4 ; CC On When Mute)
PIP/POP	--
Clock/Sleep Timers	Yes
Wake up/Turn off time	Yes
Wake up Source/Chanel	Yes
Watch Time Limit	Yes
Source Rename	Yes
Smart Switch (AIS)	Yes (Signal Auto Detecting and Changing Source)
Picture Freeze	Yes
USB Connection	Yes. (Only for mp3 Play and JPG Photo Dispal)
Listen Only	Yes (Listening to Music without picture)
Demo Function	Optional
Hotel	Optional
DVD Combo	--



## SIGNAL FORMAT CAPABILITY

Component Video Format	Y,Pb/Cb,Pr/Cr: up to 1080P
DVI Video Format	Up to XGA for HDMI-PC
HDMI Video Format	up to 1080P
PC Compatibility	Up to SXGA

## TERMINALS

Audio/CVBS Input (Composite)	2 R/L+2 Video: AV1, AV2(Side)
S-Video Input	--
Audio Input for S-Video	--
YPbPr Input	1
Audio Input for YPbPr	1
YCbCr Input	Share with "YPbPr"
Audio Input for YCbCr	Share with Audio for "YPbPr"
VGA Input(RGB)	1 (D-Sub, 15 Pins)
Audio Input for RGB	Share with Audio for "YPbPr"
DVI	--
Audio Input for DVI	--
HDMI	2 (HDMI1, HDMI2)
Audio/CVBS Output (Composite)	1 (R/L+CVBS) (RCA)
SPDIF Output	1 (Coaxial digital audio output)
Headphone Output	1 (Φ3.5mm )
RF Input(Antenna)	1 (F Type)
USB	1

## BASIC INFO.

TV System	NTSC-M; PAL-M; PAL-N
AV System	PAL, NTSC
Channels	Cable 125 (1~125), Antenna 68 (2~69)
Chassis	MS19C-LA
Certification	CB
Power Supply	AC 100V-240V 50/60Hz
Power Consumption-TV on	50W
Power Consumption-Standby	≤1W
Default Color of Front Cabinet	Black
Keyboard Position	Side
Base Stand Detachable	Yes

### Unpackaged Dimension for Main Body (L\*H\*D) (mm)

With Base Stand (mm)	625.5×470×91
Without Base Stand (mm)	625.5×425×91

### Packaged Dimension (L\*H\*D)

Main Body (mm)	734×197×533
Speaker Box	--
Base Stand	420×270×129

Net Weight (Kg)	5.2 kg
Gross Weight (Kg)	7.2 kg

### Container Loading

20 feet	372
40 feet	760
40 feet high	950

## ACCESSORIES

Operation Manual	English(Default)
Remote Control	For TV control (with two batteries)
Base Stand	separate packaging
Speaker Box	Integrated
Wall Mount	Optional (TBD)
Others	AC Power cord

Drafted by: 张睿 (Wise Zhang)

Approved by:

# Alignment Procedure

***MS19C-AP / MS19C-LA Chassis***



**Version: 1.0**

**Release Date: 2009-12-18**

**PREPARED BY: Wise Zhang    DATE: 2009-12-18**

**APPROVED BY: \_\_\_\_\_    DATE: \_\_\_\_\_**

# Content

1. General Description	3
2. Factory Menu	3
2.1 Way of accessing	3
2.2 Factory Menu	3
2.3 ADC calibration menu	5
2.4 White Balance adjustment	6
3. Design Menu	7
3.1 way of accessing	7
3.2 SHOP MENU	8
3.3 SERVICE MENU	9
3.4 PROJECT ID	10
3.5 PARAMETER SETTING MENU	10
3.6 HOTEL MENU	11
4. Steps of debugging	12
4.1 Device	12
4.2 steps of debugging	12
4.3 ADC calibration	12
4.4 White Balance adjustment	13
4.5 White Balance adjustment (automatically)	14
5. Chip list of software programming before SMT	14
6. USB software upgrade	15

History	Description of major changes	Release Date
V1.0		2009-12-18

	Chassis	Model
FHD	MS19C-AP	L24P10F, L24S10F, L24V10F, L42M9F, L42N9F etc.
	MS19C-LA	L24P10F, L24S10F, L24V10F etc.
HD	MS19C-AP	L26M9, L26N9, L32M9, L32N9 etc.



## 1. General Description

MS19C-AP/MS19C-LA is our latest design especially for LCDTV products selling in Asia Pacific (AP) / Latin America (LA) market. It features by its high integration, easy debugging as well as convenience in terms of maintenance. Fast software upgrade through USB disk facilitates both manufacture and after service. Meantime, a variety of functions involved in Factory Menu (FM) and Design Menu (DM) can not only bring benefits for production, but also satisfy various demands of customer.

## 2. Factory Menu



### 2.1 Accessing way:

- In the first place, press **Menu** button of remote control, then select **Contrast** item of **Picture** submenu. Finally, press **9, 7, 3, 5** consecutively.
- When the **FAC HOTKEY** item of **Factory Menu** is enabled (ON), press **Go Back** button of remote control.

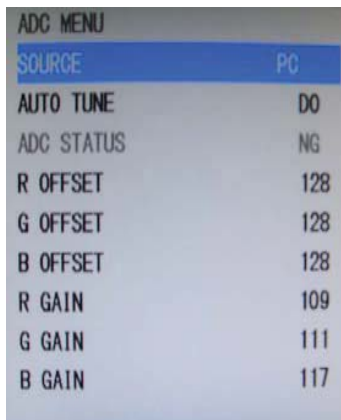
### 2.2 Factory Menu

Factory Menu			
Name	Default	Description	Status
FAC HOTKEY	OFF	Factory Menu shortcut button switch The item must be disabled (OFF) after production	OK
WARM UP	OFF	OFF: Normal mode. Display black screen when no signal. Turn to automatically standby mode if keep the signal unavailable over 15 minutes. ON: Aging mode. Display snow dot when no signal. The set will not turn to standby even if the unavailability of signal	OK
ADC	>>	ADC calibration ( see details below)	OK
WHITE BALANCE	>>	White Balance Adjustment ( see details below)	OK
SHOP	DO	It is crucial that the function is executed after production aim to clear information of production process, ensure user cannot access to Factory Menu after execute the item.	OK
NVM RESET	DO	Restore default value except WB and ADC data.	OK

SET FAC CH	DO	Preset the channel table of factory. After choosing the item, press of remote control, prompt “wait” will appear. Please wait until the appearance of “OK”.	
POWER ON	LAST/STB	<p>ON: the set will power on after switching on power.</p> <p>STB: the set will remain standby status after switching on power.</p> <p>Last: the set will turn to the status in which it lies when last switching off.</p> <p>If without requirement from certain customer, by default, the value should be Last for MS19C-AP and STB for MS19C-LA.</p>	OK
USB UPDATE		Upgrade software. Please see details below.	OK
FAC CH SEL		Select the factory where the chassis is produced. This item correlates with SET FAC CH. When certain factory is chosen, the channel table of the factory will be preset after execution of SET FAC CH.	OK
SW VERSION	OFF	Version information of software for U202	OK
SW DATE		Release date and time of software for U202	OK
PRODUCT		Product model	OK
SIACP VERSION		Serial port remote control protocol	OK

## 2.3 ADC calibration menu

## ADC Menu



ADC MENU	
SOURCE	PC
AUTO TUNE	DO
ADC STATUS	NG
R OFFSET	128
G OFFSET	128
B OFFSET	128
R GAIN	109
G GAIN	111
B GAIN	117

Press the ▲ ▼ button in remote control to select certain item and ◀ ▶ to change the value of ADC data or start ADC calibration.

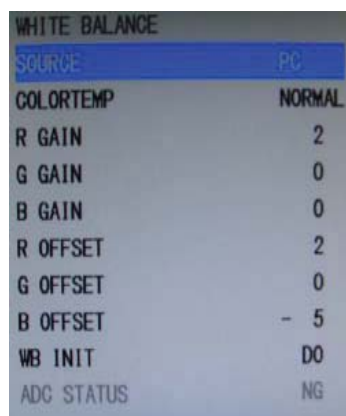
Notes:

1. Only YPBPR and PC source should be calibrated.

## ADC Calibration menu

ADC Calibration menu			
Name	Default	Description	Status
SOURCE		Select the source you intend to ADC Calibrate. Only YPBPR and PC are available.	OK
AUTO TUNE	DO	Select and execute the item, ADC Calibration starts. It indicates a successful calibration if prompt "OK" is displayed. Otherwise, It is a failing calibration ("NG" displayed).	OK
R OFFSET	127	Offset of R channel ( cannot be changed after auto calibration)	OK
G OFFSET	127	Offset of G channel ( cannot be changed after auto calibration)	OK
B OFFSET	127	Offset of B channel ( cannot be changed after auto calibration)	OK
R GAIN	128	Gain of R channel ( cannot be changed after auto calibration)	OK
G GAIN	128	Gain of G channel ( cannot be changed after auto calibration)	OK
B GAIN	128	Gain of B channel ( cannot be changed after auto calibration)	OK

## 2.4 White Balance Adjustment menu



### White Balance menu

Press the ▲ ▼ button in remote control to select certain item and  
◀ ▶ to adjust White Balance

White Balance Adjustment menu			
Name	Default	Description	Status
<i>SOURCE</i>		Select the source you intend to apply WB adjustment. Only HDMI1, AV1, YPBPR, PC and should be adjusted.	OK
<i>COLOR TEMP</i>	<i>NORMAL</i>	Select color temperature you intend to adjust Three groups of color temperature: Normal, Warm, Cool are available for each source.	OK
<i>R GAIN</i>	128	Gain of R channel ( cannot be changed after auto calibration)	OK
<i>G GAIN</i>	128	Gain of G channel ( cannot be changed after auto calibration)	OK
<i>B GAIN</i>	128	Gain of B channel ( cannot be changed after auto calibration)	OK
<i>R OFFSET</i>	128	Offset of R channel ( cannot be changed after auto calibration)	OK
<i>G OFFSET</i>	128	Offset of G channel ( cannot be changed after auto calibration)	OK
<i>B OFFSET</i>	128	Offset of B channel ( cannot be changed after auto calibration)	OK

## 3 Design Menu



### 3.1 Accessing way:

1. In the first place, press **Menu button** of remote control, then select **Contrast** item of **Picture** submenu. Finally, press **1, 9, 5, 0** consecutively.

2. When the **DESIGN HOTKEY** item of **Design Menu** is enabled (ON), press **Go Back** button of remote control.

Press the ▲ ▼ button in remote control to select certain item and ◀ ▶ to toggle among or execute the available options.

Design Menu			
Name	Default	Description	Status
DESIGN HOTKEY	OFF	Design Menu shortcut button switch The item must be disabled (OFF) after production	OK
FACTORY MENU	>>>	Access to Factory Menu	OK
SHOP INIT	>>>	Contain many options which can be chosen according to the requirements of customers as default settings when leave factory. See details below.	OK
OTHER	>>>	The item includes a number of functions offering convenience for R&D engineer to solve problems. It is exclusively used by R&D.	OK
SERVICE MENU	>>>	Provide many useful information for after service Please reference to SERVICE MENU submenu	OK
PARAM SETTING	>>>	Include volume, brightness, contrast, saturation, sharpness, SSC setting. Please reference to PARAM SETTING submenu.	OK
HOTEL MENU	>>>	Include special functions which bring benefits to hotel management. The item is accessible only when HOTELENABLE item is enabled (ON).	OK

### 3.2 SHOP MENU

SHOP MENU	
VOLUME	30
PIC MODE	STANDARD
SOUND MODE	STEREO
CH NUMBER	199
LANGUAGE	ENGLISH
COLOR SYS	AUTO
SOUND SYS	M
PRESET CH	1
COLOR TEMP	NORMAL

Contain many options which can be chosen according to the requirements of customers as default settings when leave factory. Press the ▲ ▼ button in remote control to select certain item and ◀ ▶ to toggle among the available options..

SHOP MENU			
Name	Default	Description	Status
VOLUME	30	Volume setting, 0~100 adjustable	OK
PIC MODE	STANDARD	Picture mode. Options: STANDARD, BRIGHT, SOFT, USER.	OK
SOUND MODE	STEREO	Sound effects. Options: STEREO, ODEUM, CINEMA, NEWS, USER.	OK
CH NUMBER	199	The maximum number of channel	OK
LANGUAGE	ENGLISH	OSD language. MS19C-AP MS19C-LA English, Portuguese, Spanish	OK
COLOR SYS	AUTO	COLOR SYSTEM. Options: AUTO, PAL, NTSC, SECAM PAL M, PAL N, NTSC4.43	OK
SOUND SYS	M	SOUND SYSTEM. Options: MS19C-AP AUTO B/G, D/K, I, M MS19C-LA AUTO	OK
PRESET CH	1	Preset channel. 0~199 optional	OK
COLOR TEMP	NORMAL	Color temperature. Option: NORMAL, WARM, COOL	OK

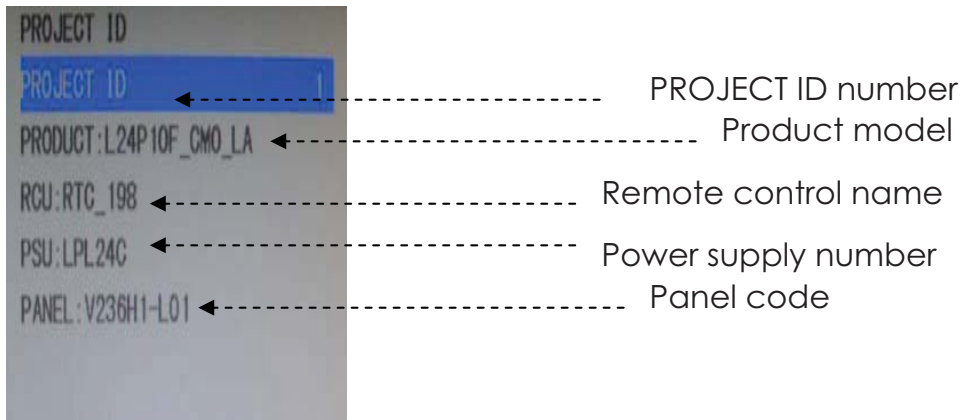
### 3.3 SERVICE MENU



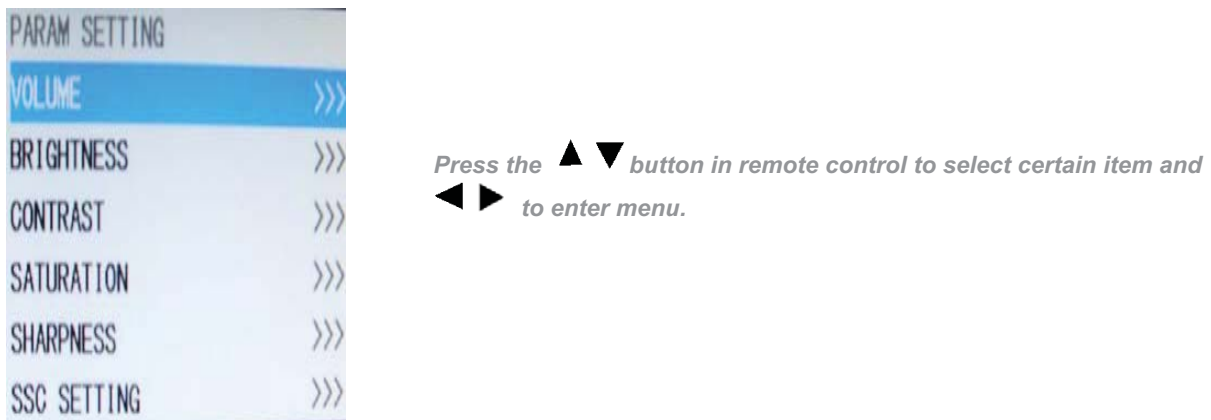
Press the ▲ ▼ button in remote control to select certain item and  
 ◀ ▶ to toggle among the available options..

SERVICE MENU (PRODUCT INFO)			
Name	Default	Description	Status
SW VERSION		Software virtual code No.	OK
DATE, TIME		Release date, time	OK
PRODUCT		Model of product	OK
SIACP VERSION		Serial port remote control protocol	OK
CHASSIS	MS19C-AP/MS19C/LA	Chassis name	OK
PANEL		Panel code	OK
ERROR CODE			NG
USB UPDATE		USB upgrade. Reference to descript below.	OK
PROJECT ID		Select project parameters through project ID.	OK
TCL SHOW	OFF	Switch of DEMO function. It is designed for demo in shop and must be closed after selling out.	OK
HOTEL ENABLE	OFF	Switch of Hotel Menu.	OK
LOGO SELECT	ON	Choose LOGO according to customer demand	OK
AV OVERSCAN CAL	>>>	OVERSCAN adjustment	OK

### 3.4 PROJECT ID



### 3.5 PARAM SETTING MENU



PARAM SETTING MENU			
Name	Default	Description	Status
VOLUME	>>>	Sound curve. Exclusively used by R&D.	OK
BRIGHTNESS	>>>	Brightness curve. Exclusively used by R&D.	OK
CONTRAST	>>>	Contrast curve. Exclusively used by R&D.	OK
SATURATION	>>>	Saturation curve. Exclusively used by R&D.	OK
SHARPNESS	>>>	Sharpness curve. Exclusively used by R&D.	OK
SSC SETTING	>>>	SSC parameters. Exclusively used by R&D.	OK



### 3.6 HOTEL MENU

HOTEL MENU	
POWER LOGO	ON
CH LOCK	OFF
MAX VOL	100
AUTO SET	OFF
PIC MODE	STANDARD
SOUND MODE	STEREO
POWER VOL	50
POWER SIGNAL	TV
POWER CHANNEL	0
KEY LOCK	OFF
SAVE DATA TO USB	DO
WRITE DATA FROM USB	DO

Press the ▲ ▼ button in remote control to select certain item and ◀ ▶ to enter submenu.

HOTEL MENU			
Name	Default	Description	Status
POWER LOGO	ON	LOGO select	OK
CH LOCK	OFF	Channel scan lock.	OK
MAX VOL	100	Max volume	OK
AUTO SET	OFF	The switch of PIC MODE, SOUND MODE etc. When it is ON, these items are selectable.	OK
PIC MODE	STANDARD	Picture mode.	OK
SOUND MODE	STEREO	Sound mode	OK
POWER VOL.	50	Default volume when power on	OK
POWER SIGNAL	TV	Default signal source when power on	OK
POWER CHANNEL	1/2	Default channel no. when power on	OK
KEY LOCK	OFF	Lock the keys.	OK
SAVE DATA TO USB	DO	Save the settings of Hotel Menu to USB	OK
WRITE DATA FROM USB	DO	Copy the settings of Hotel Menu from USB	OK

## 4. The steps of debugging

### 4.1 Device

Color Analyzer CA-210. Video Pattern Generator Chroma2329. Color TV Pattern Generator PM5418, VGA cable, AV cable(RCA), YPBPR(RCA) cable.



Chroma2329



Fluke5418



CA-210

### 4.2 steps of debugging:

According to the requirement of order, we suggest take the below steps to finish the appropriate settings.

A enter the **Factory Menu**, enable **FAC HOTKEY**.

B Check the version of software, release date displayed at the bottom of **Factory Menu**.

C enter **Design Menu**, choose **SERVICE MENU->Project ID**, choose corresponding Project ID number of the product (Please refer to the description in BOM about Project ID number).

D return to **Factory Menu**, check the Product model.

E choose **Factory Menu-> NVM RESET** and press ► and wait until prompt OK appears.

F restart the set

G according to the requirement of order, set the items of SHOP INIT and Hotel Menu etc.

H After aging under normal temperature, calibrate ADC and adjust white balance.

I choose **Factory Menu-> SHOP** and press ► button of remote control to initialize the set.

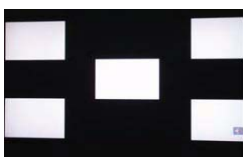
Note: after **step I** ( execute **shop** ) , **Hotel Menu** will be disabled by default. Therefore, if order requires hotel function, it is necessary to enable hotel function by set **Design Menu-> Service Menu->HOTEL ENABLE** to **ON**.

### 4.3 ADC Calibration

#### I .signal and generator

VGA: Chroma2329 Pattern42, Timing 14(1024x768@60Hz 5 MOSAIC)

YPBPR: Chroma2329 Pattern103, Timing 79(100% Color Bar, 720p)



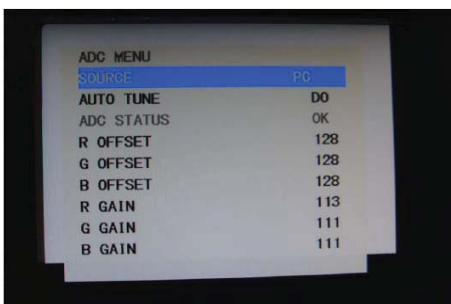
5 MOSAIC



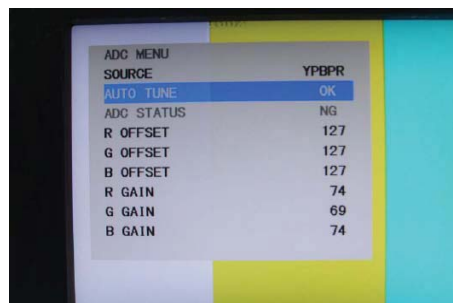
100% Color Bar

## II.steps of debug:

- 1) Access to the **Factory menu->ADC**
- 2) Select **PC** source
- 3) Select **AUTO TUNE**, Press ► button in your remote control to calibrate the ADC automatically.
- 4) Select **YPBPR** source
- 5) Repeat step 3.
- 6) When the OK appears the calibration has been finished successfully.



VGA calibration



YPBPR calibration

### 4.4 White Balance adjustment (Manual)

Before adjustment, you must ensure Color Analyzer has been calibrated. Only AV1, YPBPR, VGA, HDMI 1 need to be adjusted. It is necessary to adjust HDMI 1 firstly.

#### a. signal and generator

The pattern of the signal should be used are White (Chroma2329 pattern113) and Grey (pattern 114).The format of signal are respectively 720p for HDMI1 (Chroma2329 Timing 69), NTSC for AV1 (Chroma2329 Timing 37), 1024×768@60Hz (Chroma2329 Timing 14) for VGA and 720p (Chroma2329 Timing 79)for YPBPR

#### b. steps of adjustment

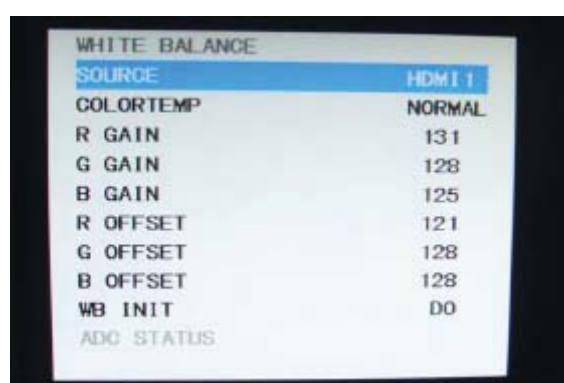
- 1) enter the **factory menu-> White Balance**, select source **HDMI 1** and **COLORTEMP normal**.
- 2) input grey signal in 720p format
- 3) change **R OFFSET** and **B OFFSET** to make sure the value of color coordination equal to  $(x=280\pm5, y=290\pm5)$ .
- 4) input white signal in 720p format

5) change **R Gain** and **B Gain** to make sure the value of color coordination equal to

$(x=280\pm 5, y=290\pm 5)$ .

6) repeat step 2~5 until both of the value of color coordination of white and grey equal to  $(x=280\pm 5, y=290\pm 5)$ .

In addition to select **COLORTEMP COOL/WARM**, the adjustment method of **COOL** and **WARM** color temperature is same with that of **NORMAL**. The color coordination we recommend for **COOL** and **WARM** color temperature is respectively  $(270\pm 5, 270\pm 5)$  and  $(300\pm 5, 305\pm 5)$ . Except select corresponding **SOURCE** and signal, the method of white balance adjustment for AV1, VGA and YPBPR is same with that of HDMI 1.



**HDMI White Balance adjustment**

#### 4.5 ADC Calibration and White Balance Adjustment (automatic)

The process of adjusting ADC and White Balance automatically is out of the range of this file. Please refer to the relevant technical file of HuiZhou factory of TCL

### 5. Chip list of software programming before SMT

Following chips must be programmed before SMT by ALL-11 or other tools.

	Position	Chip type	Software description
1	U202	Flash	main software
2	U203	E2PROM	HDMI HDCP key

Note:

- 1) the software for U202( Flash software) and U203 (HDCP) of Main Board can be program using ISP tool.
- 2) Please check HDCP function in the process of production.
- 3) EDID of VGA and HDMI source are integrated in the software for U202, therefore, there is no need to program extra EDID software for MS19C-AP/LA chassis.

## 6. Software upgrade through USB disk

**Way 1:** 1) Please ensure the software you are using has a correct file name (if the resolution of panel is 1920\*1080, the software name should be TCL\_MS19C\_UPDATE\_FHD.bin, if resolution is 1366\*768, file name should be TCL\_MS19C\_UPDATE.bin, copy it to the root directory of a USB disk.

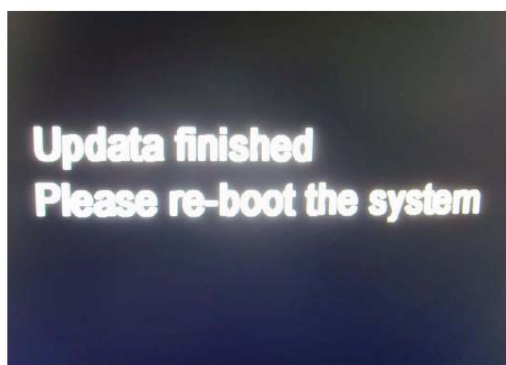
2) Insert the USB disk to the USB socket of the set for which you are going to upgrade program.

3) Enter the **Factory Menu**, select **USB UPDATE**, press ► button of remote control to start upgrade.

**Way 2:** 1) Please ensure the software you are using has a correct file name (if the resolution of panel is 1920\*1080, the software name should be TCL\_MS19C\_UPDATE\_FHD.bin, if resolution is 1366\*768, file name should be TCL\_MS19C\_UPDATE.bin, copy it to the root directory of a USB disk.

2) Insert the USB disk to the USB socket of the set for which you are going to upgrade program.

press CH- button in key board and switch on at the same time. Wait for 10 seconds then let off the CH- button to start upgrade

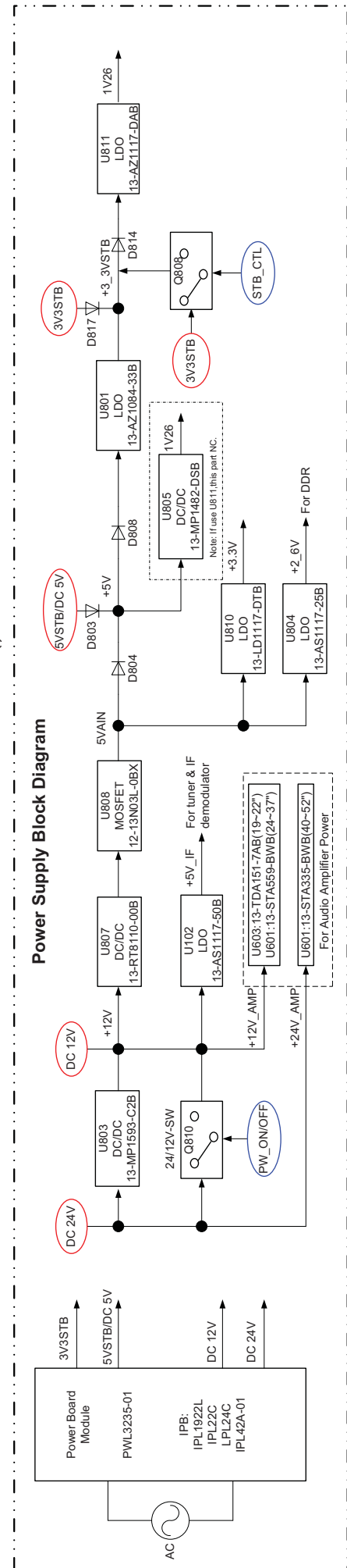
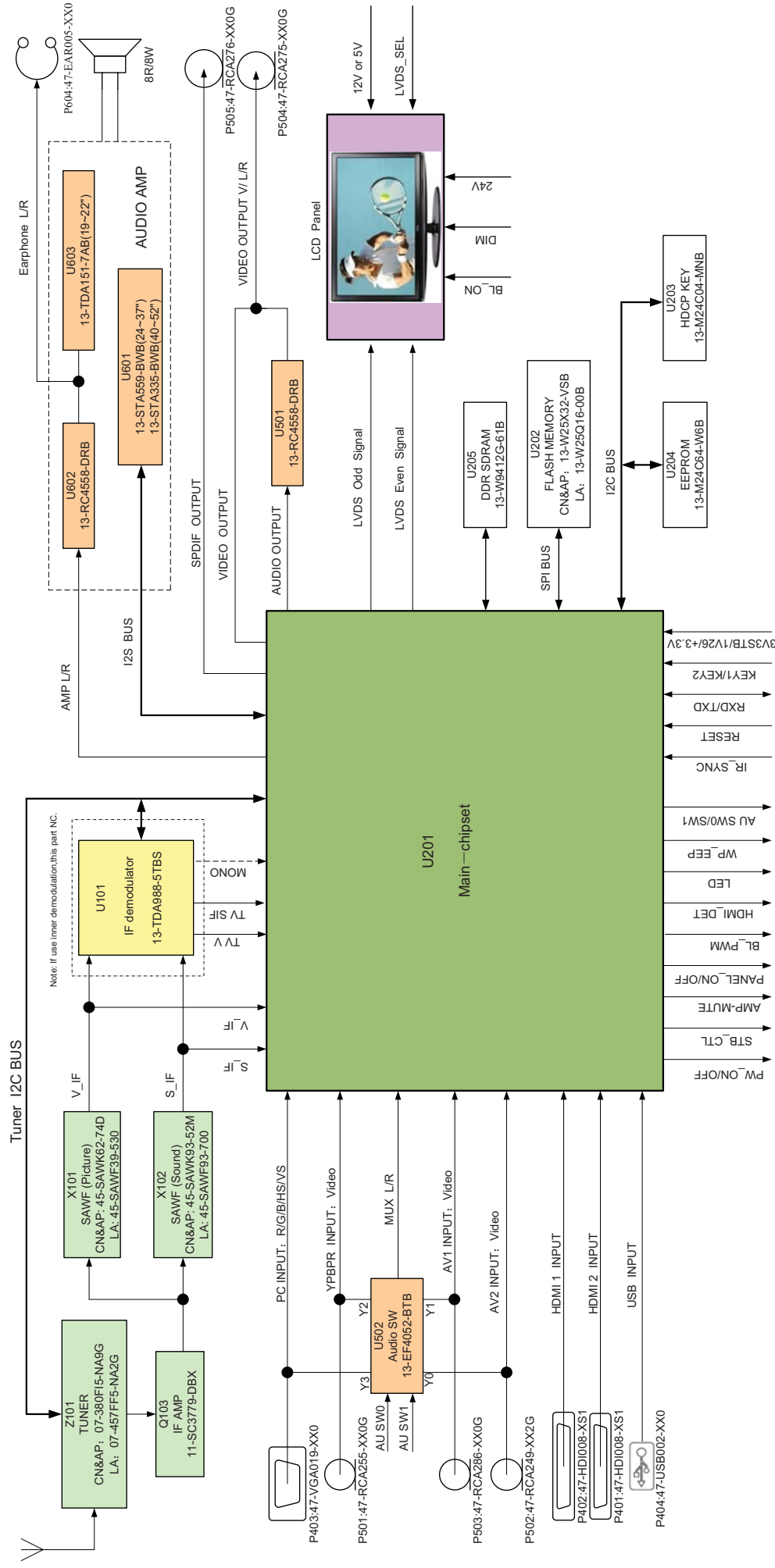


### Notes:

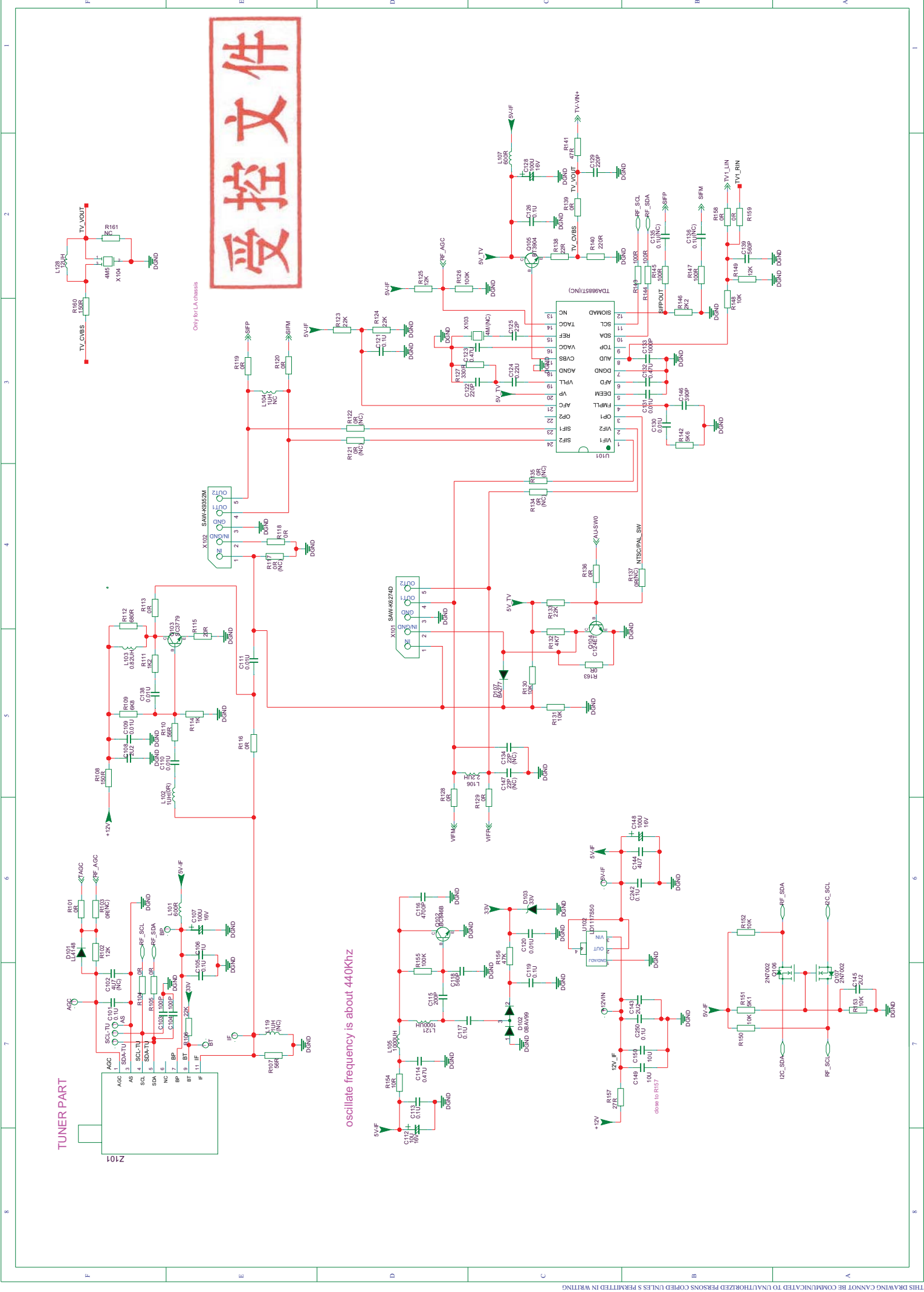
We recommend you use former way to upgrade if the set can work properly.

In some circumstances, such as no picture, however, the set cannot be upgraded successfully by means of the former way, the later way can be an alternative. Over the course of upgrade, power supply cannot be

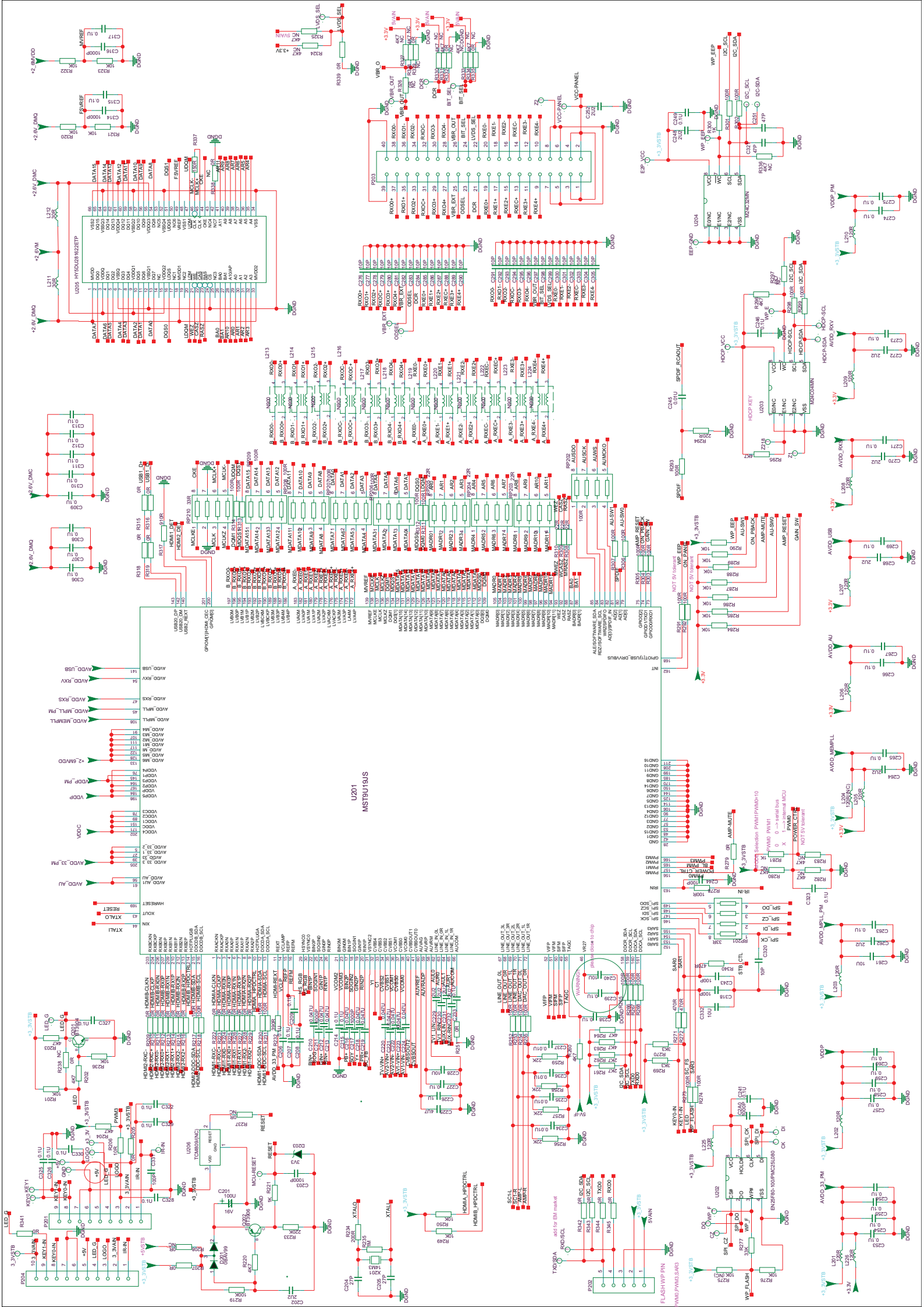
cut off. Otherwise, to upgrade program, it is necessary to adopt ISP tool. After upgrading the software, please restart the set (power off then power on) in order to ensure the correct EEPROM data. Left figure shows the prompt after upgrade.



**MS19C (AP&LA) Chassis Block Diagram**

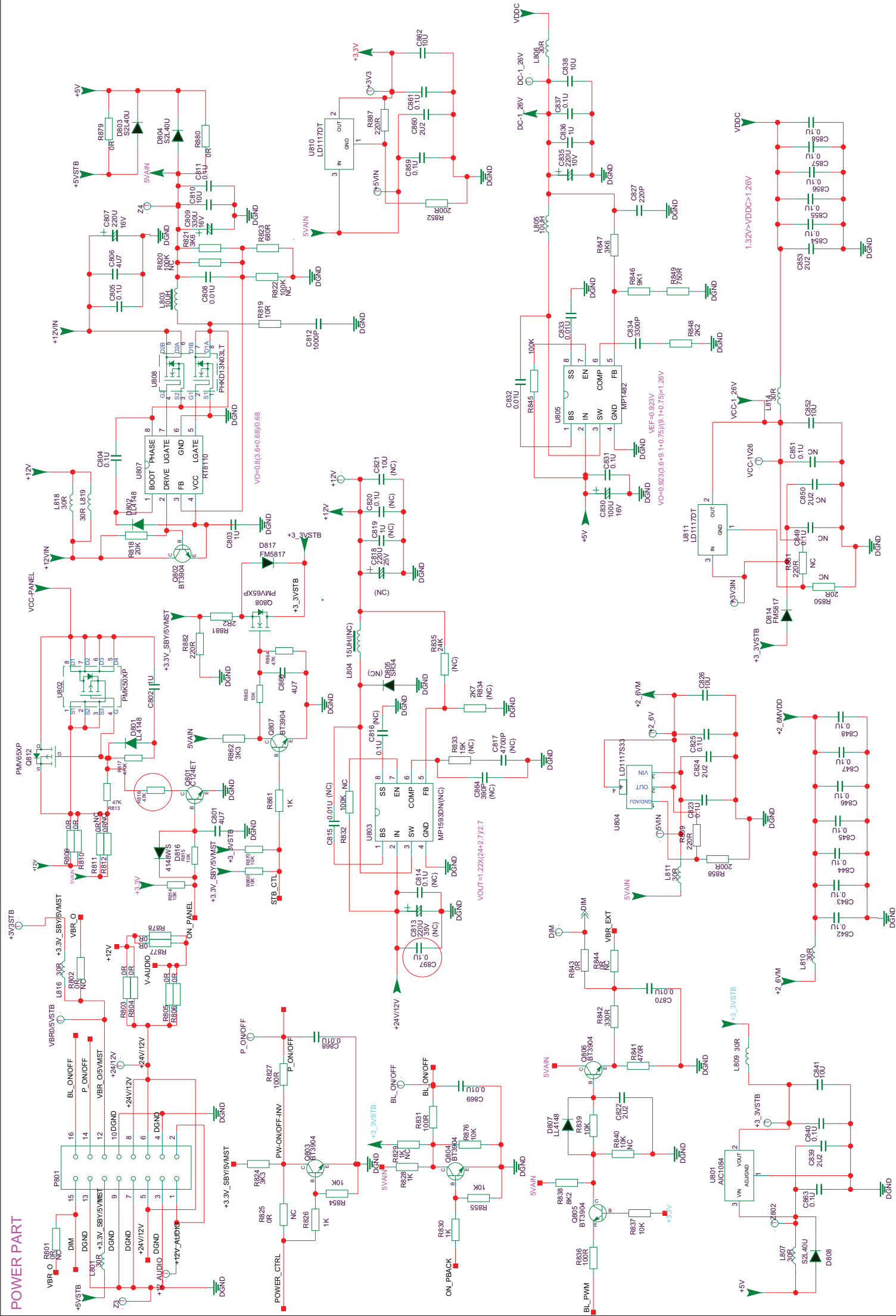


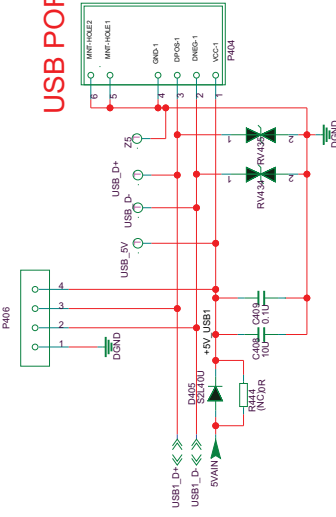
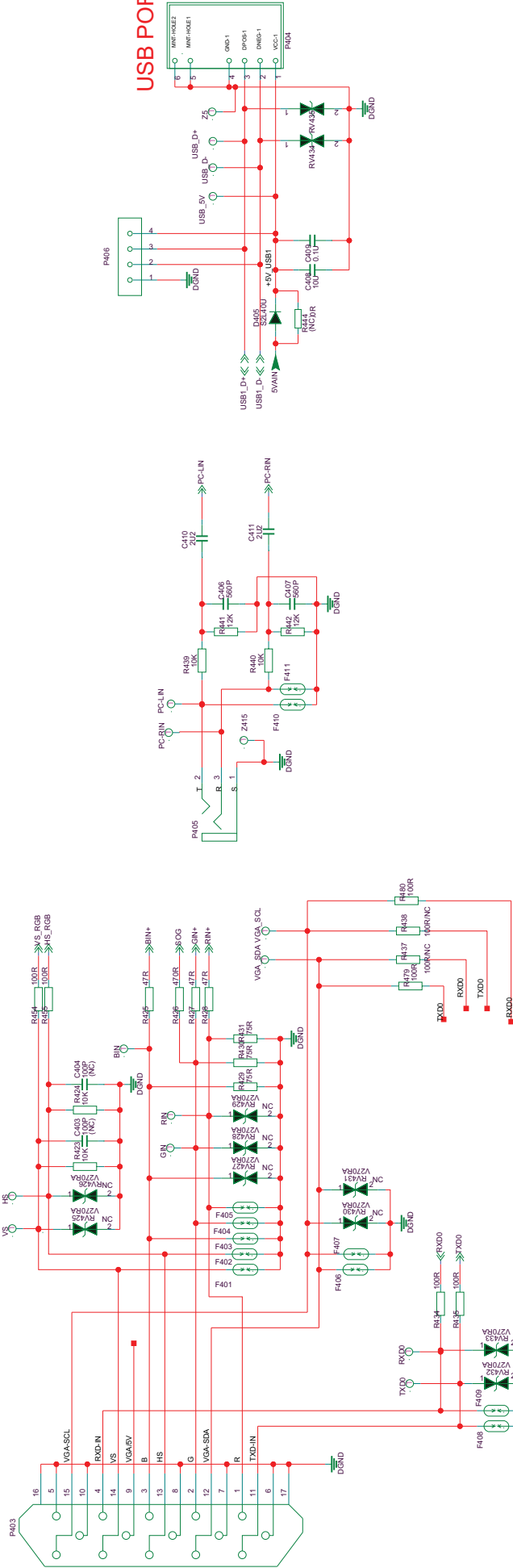
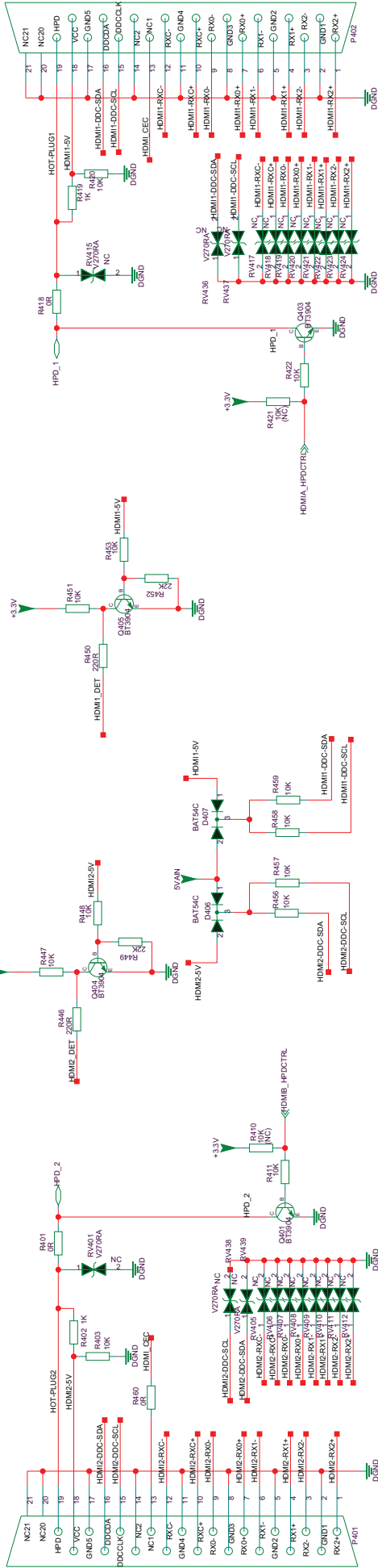





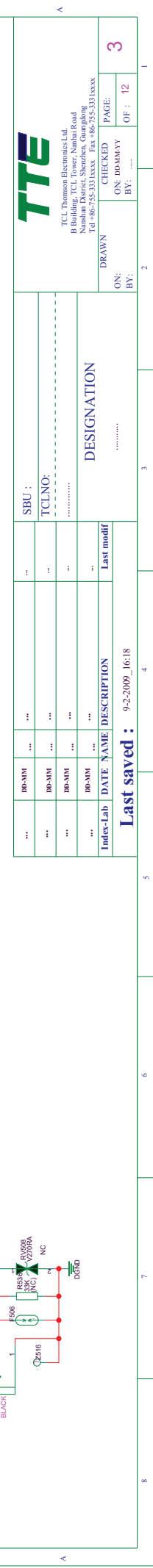


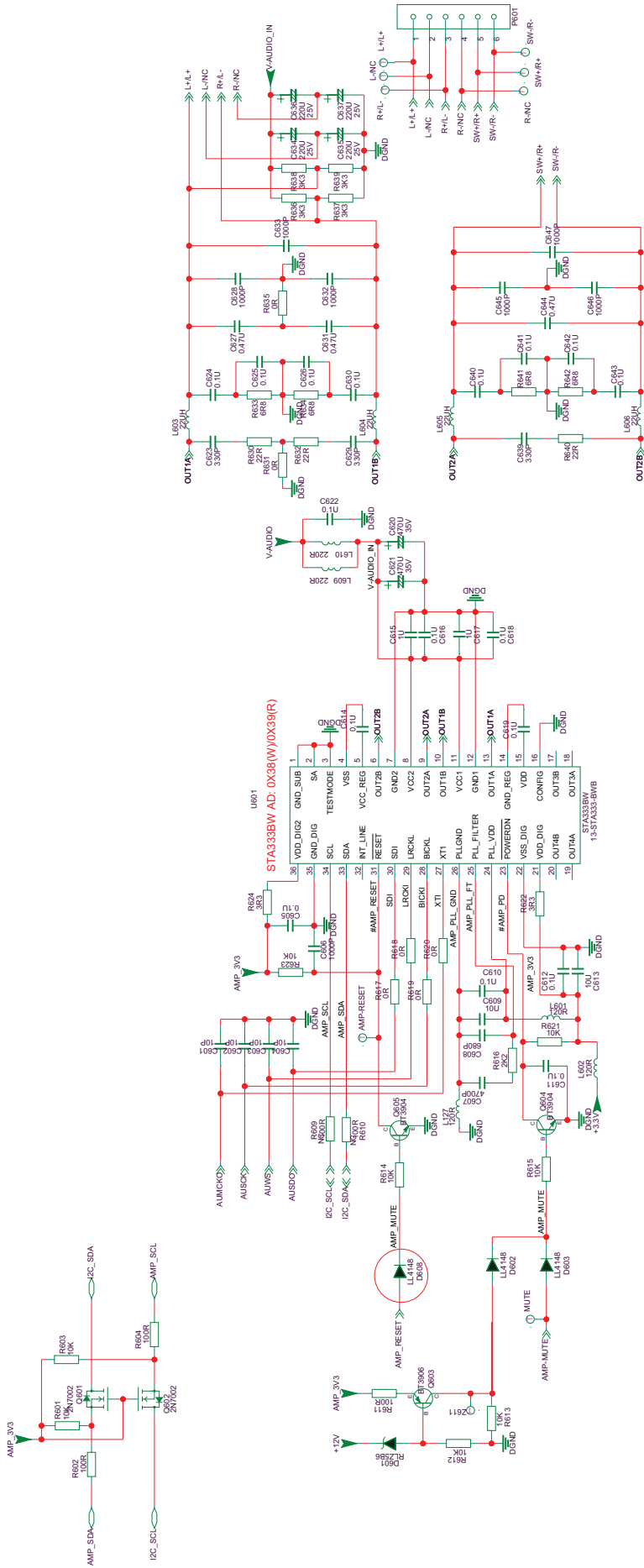
## POWER PART





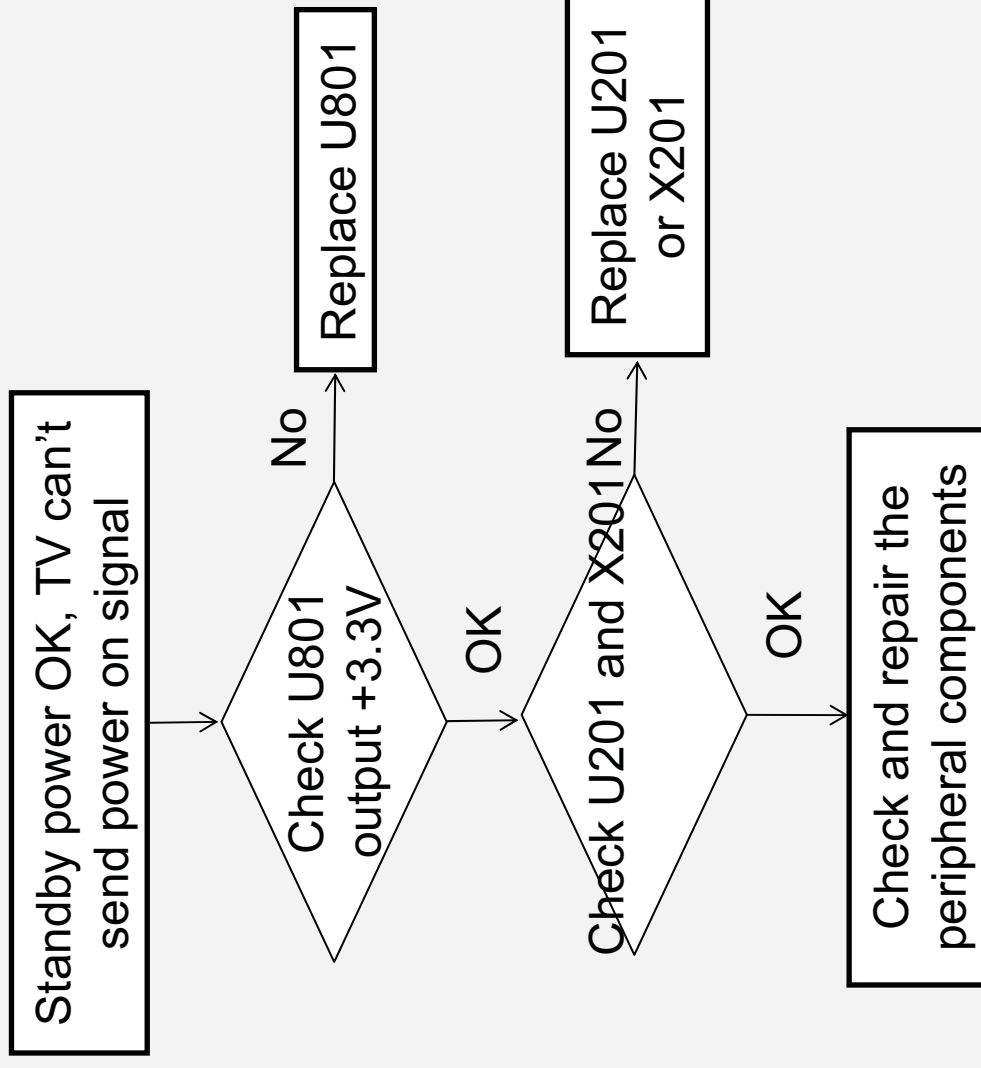
...	DD-MM	...	...	SBU :	 TCL Thomson Electronics Ltd. B Building, TCL Tower, Nahaui Road TCL Tower, Nahaui Road Tel : 86-755-33333333 Fax : 86-755-33333333	<table><tr><td colspan="2">DRAWN</td><td>CHECKED</td><td colspan="2">PAGE :</td></tr><tr><td>ON :</td><td>DD-MM-YY</td><td>BY :</td><td>OF :</td><td>12</td></tr></table>	DRAWN		CHECKED	PAGE :		ON :	DD-MM-YY	BY :	OF :	12	5
DRAWN		CHECKED	PAGE :														
ON :	DD-MM-YY	BY :	OF :	12													
...	DD-MM	...	...	TCLNO:													
...	DD-MM	...	...	*****													
...	DD-MM	...	...	DESIGNATION	*****												
Index-Lab	DATE	NAME	DESCRIPTION	Last modif													
Last saved :			5-5-2008, 15:52														

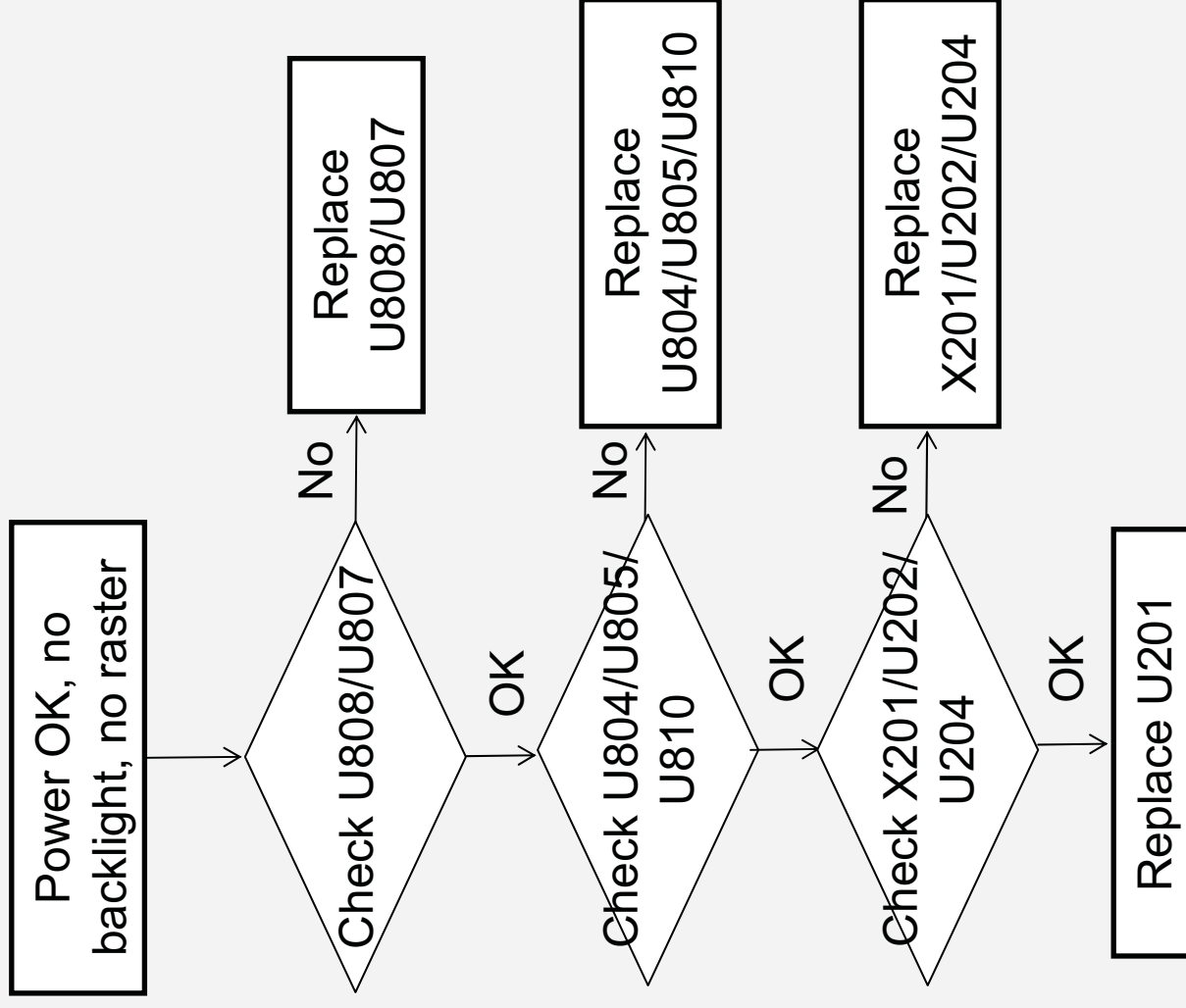


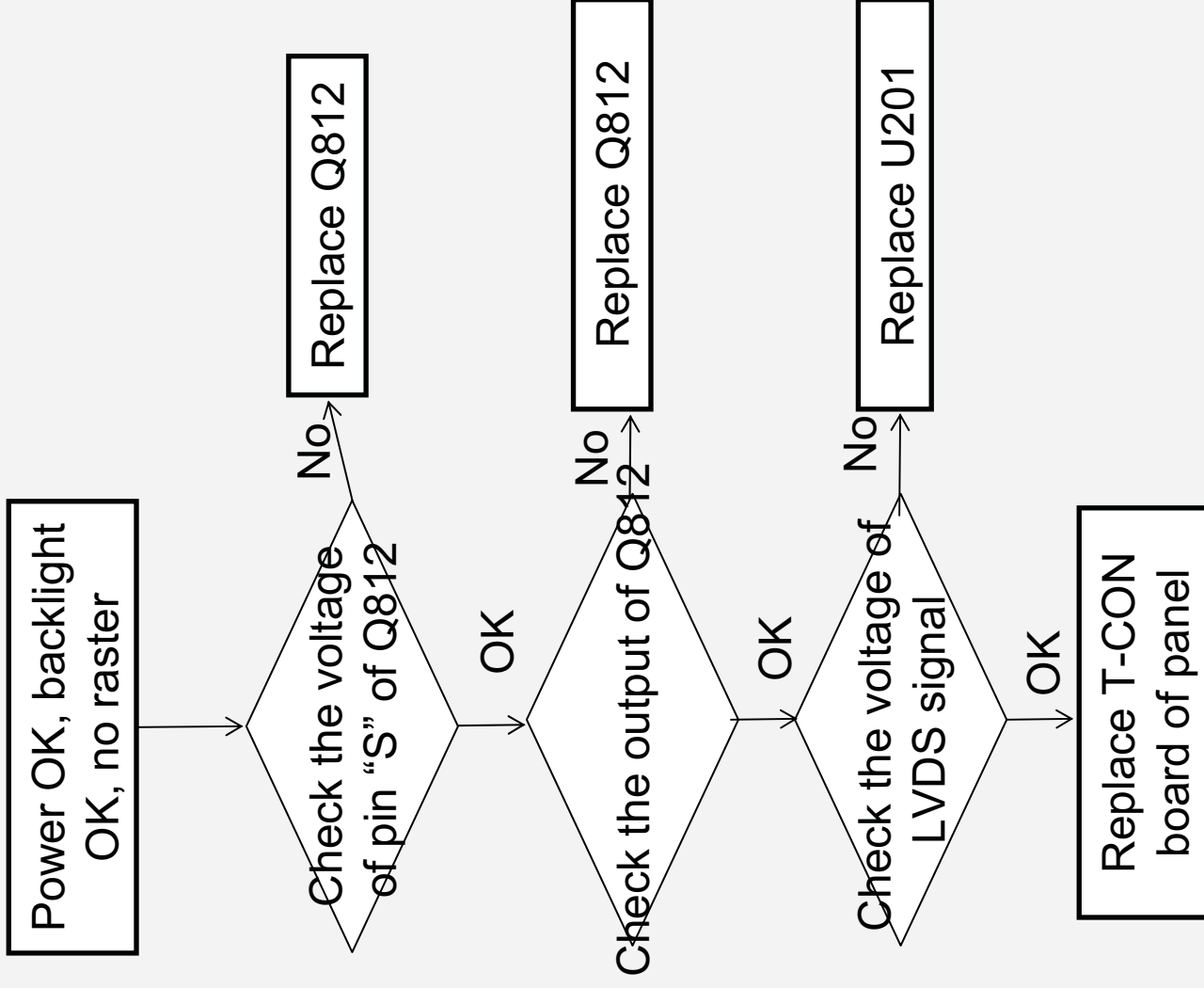




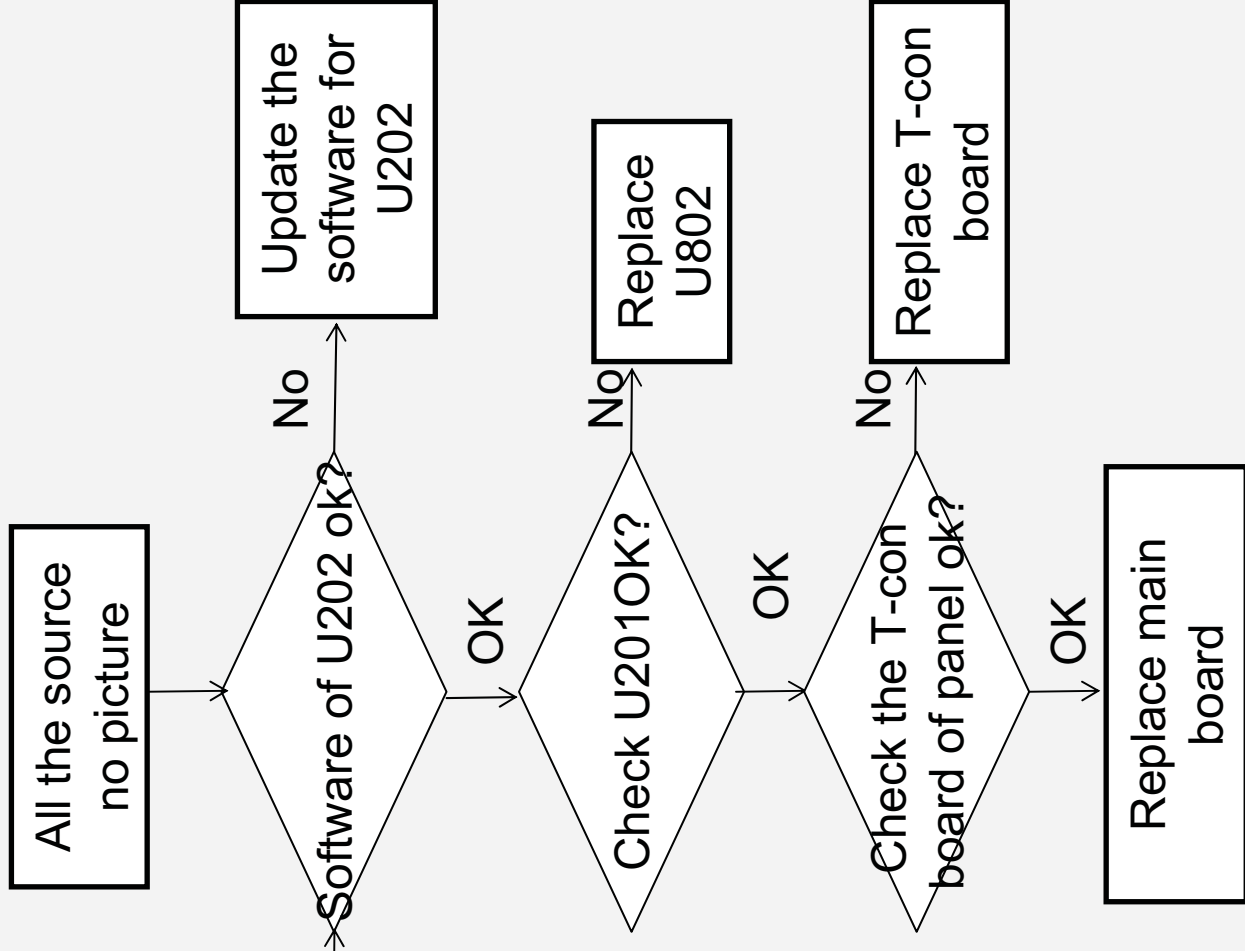
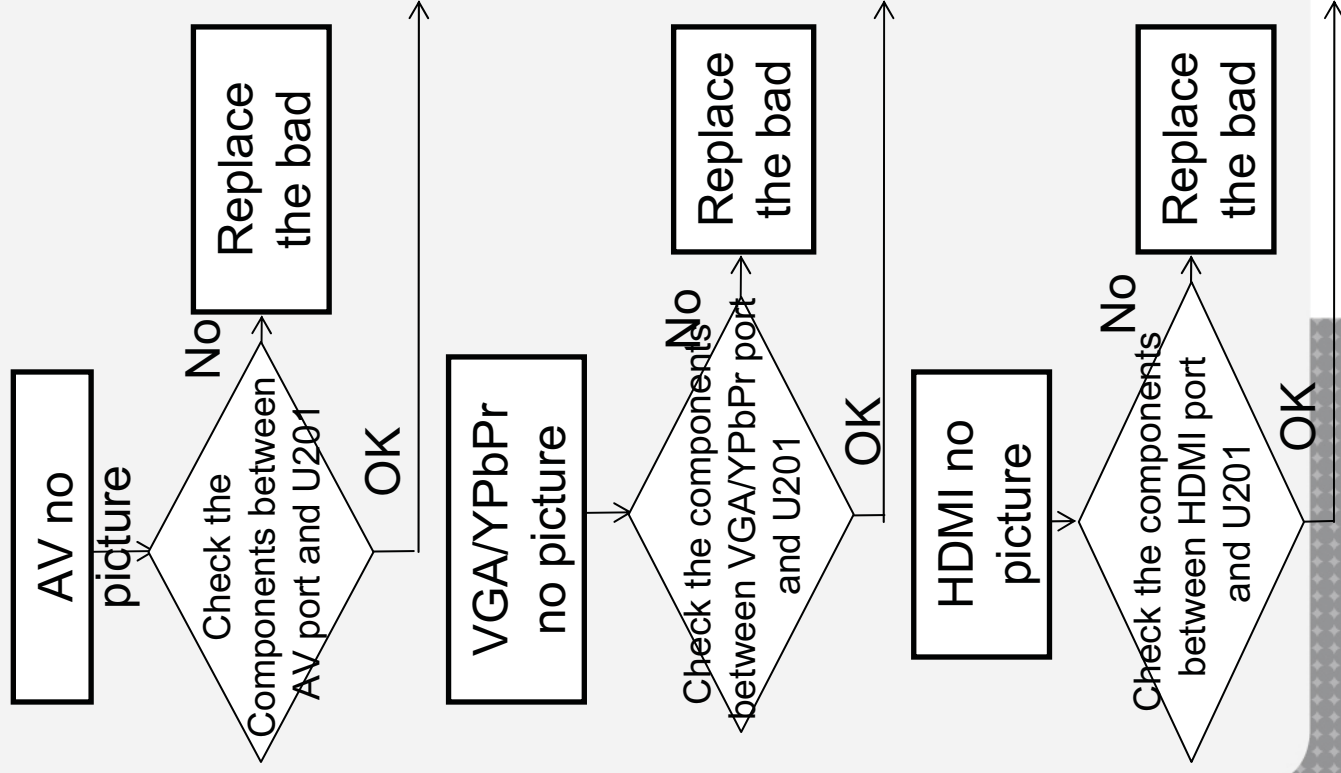
# Trouble Shooting

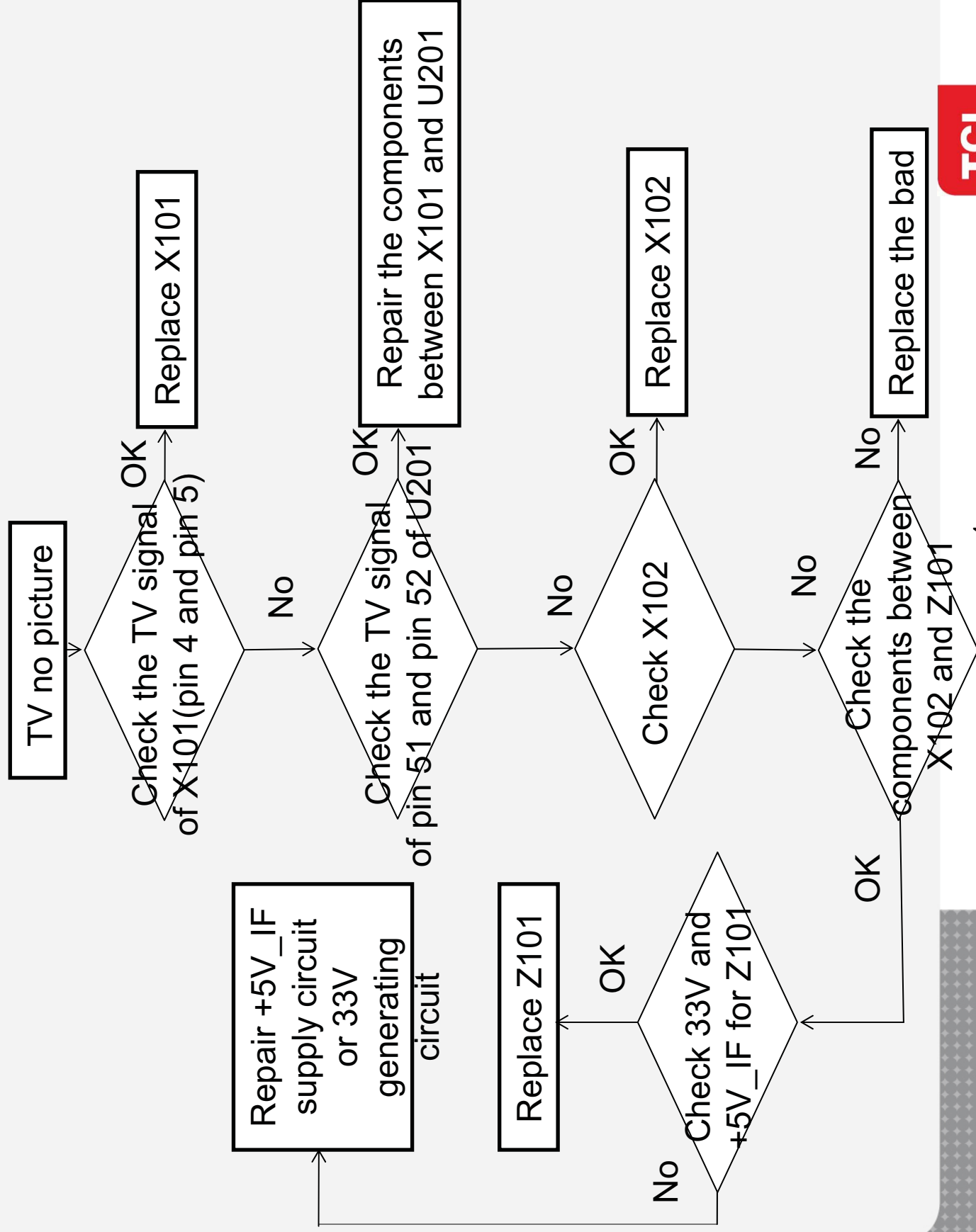


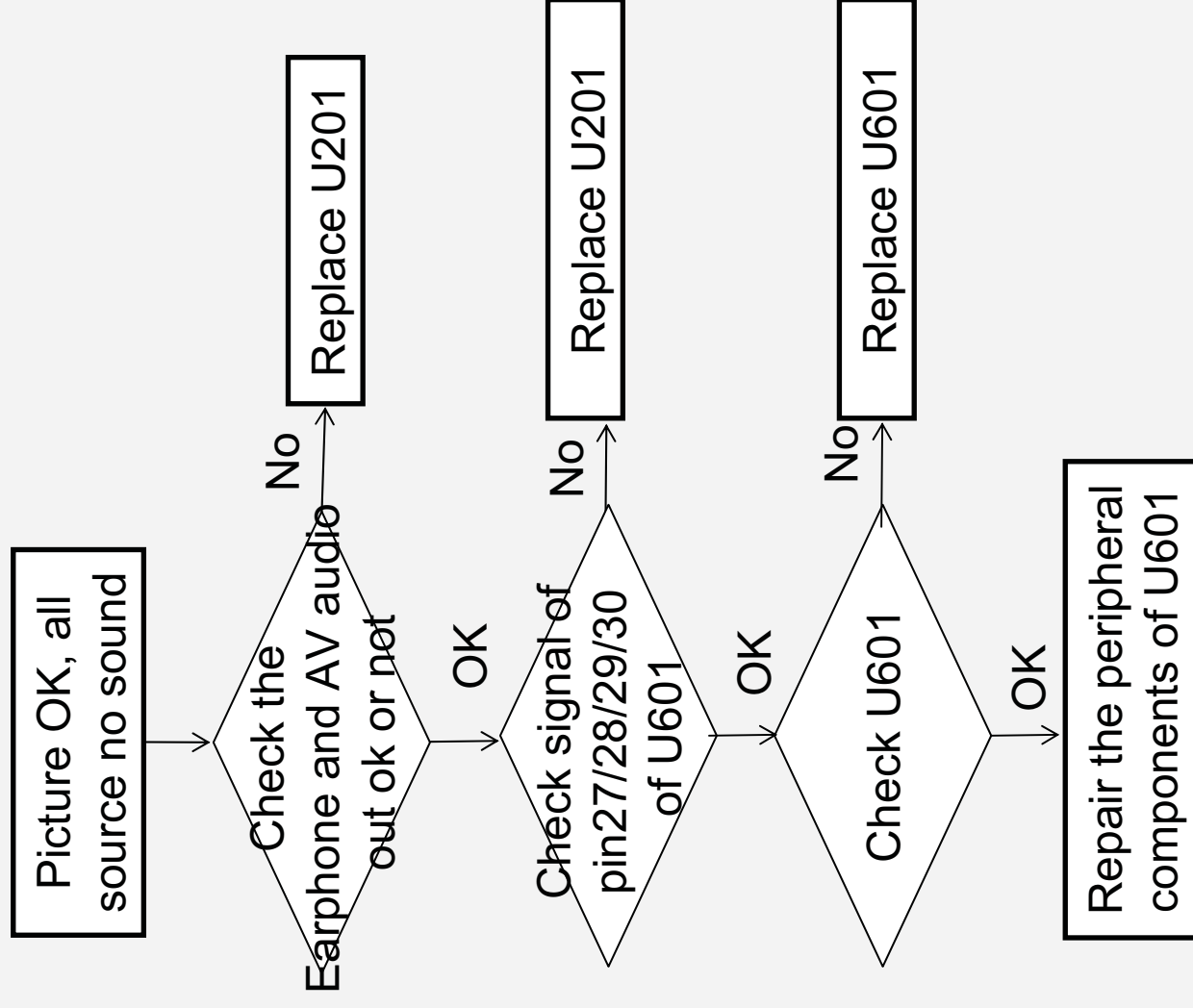






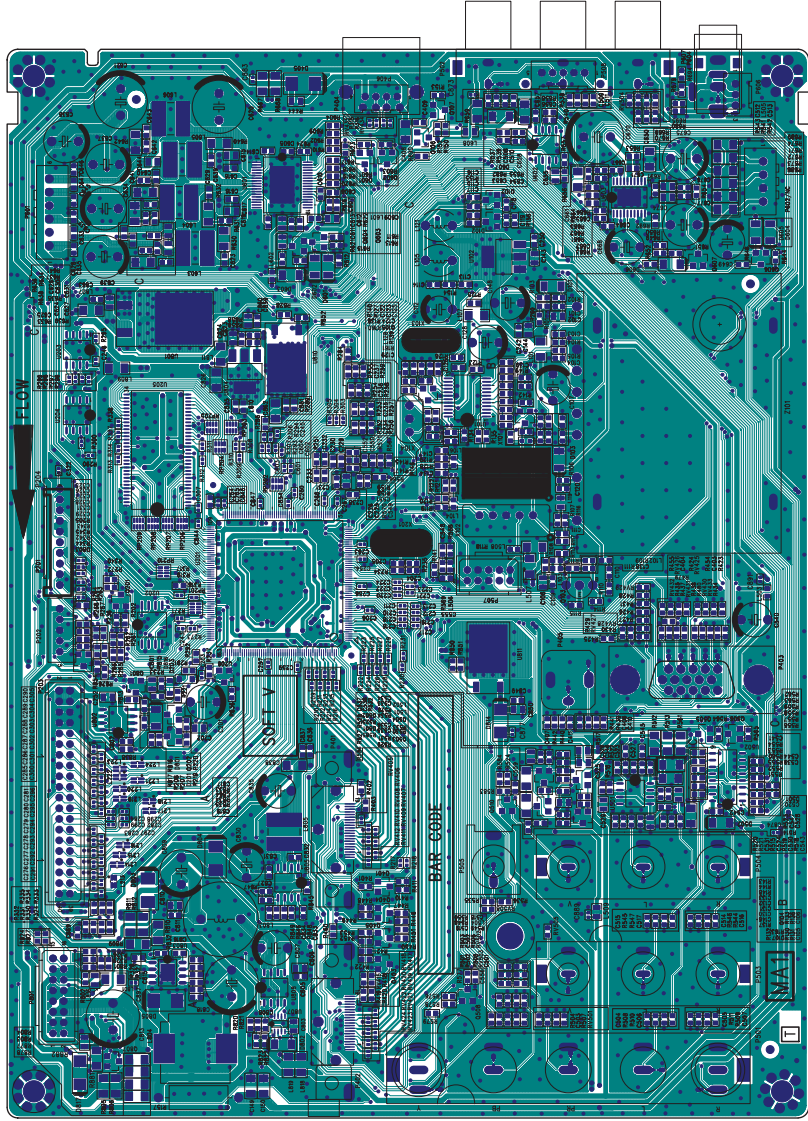






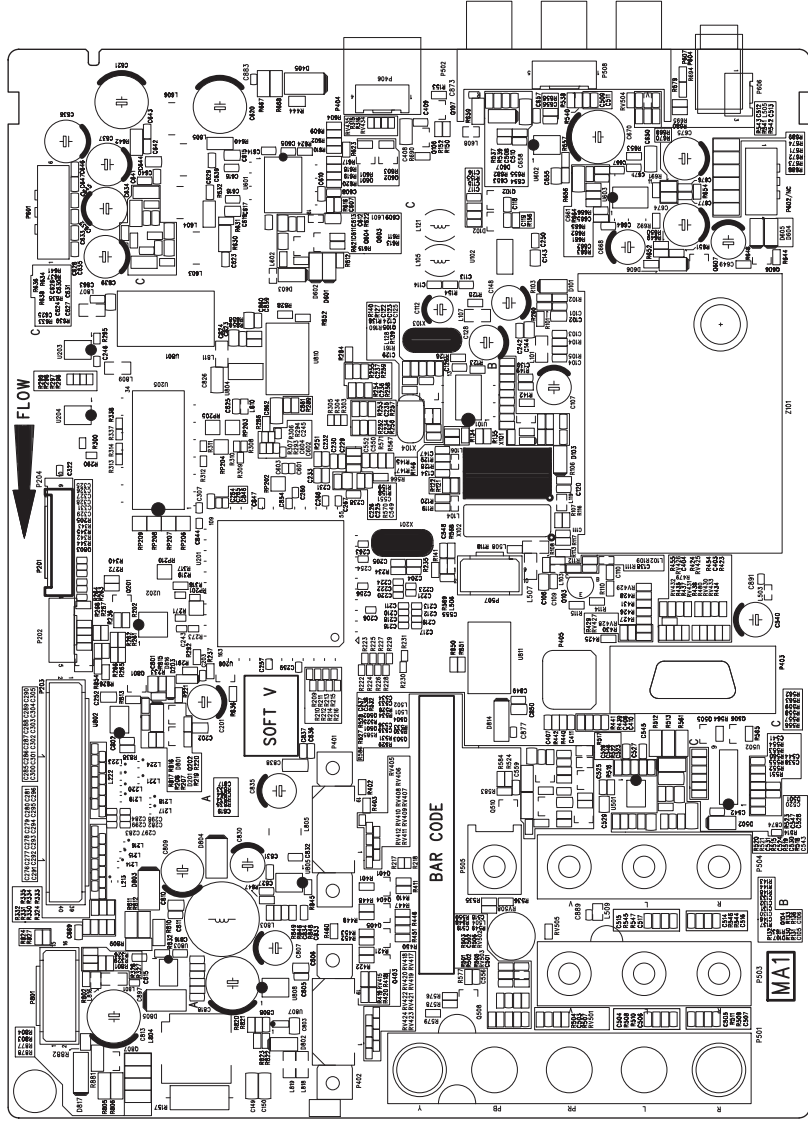


PCB Material
FR-4
Thickness(MM)
1.6MM
Layer:2
DOUBLESIDE
Copper Thickness
10Z
Surface treatment
OSP
Solder slot(C-PAD)
Other

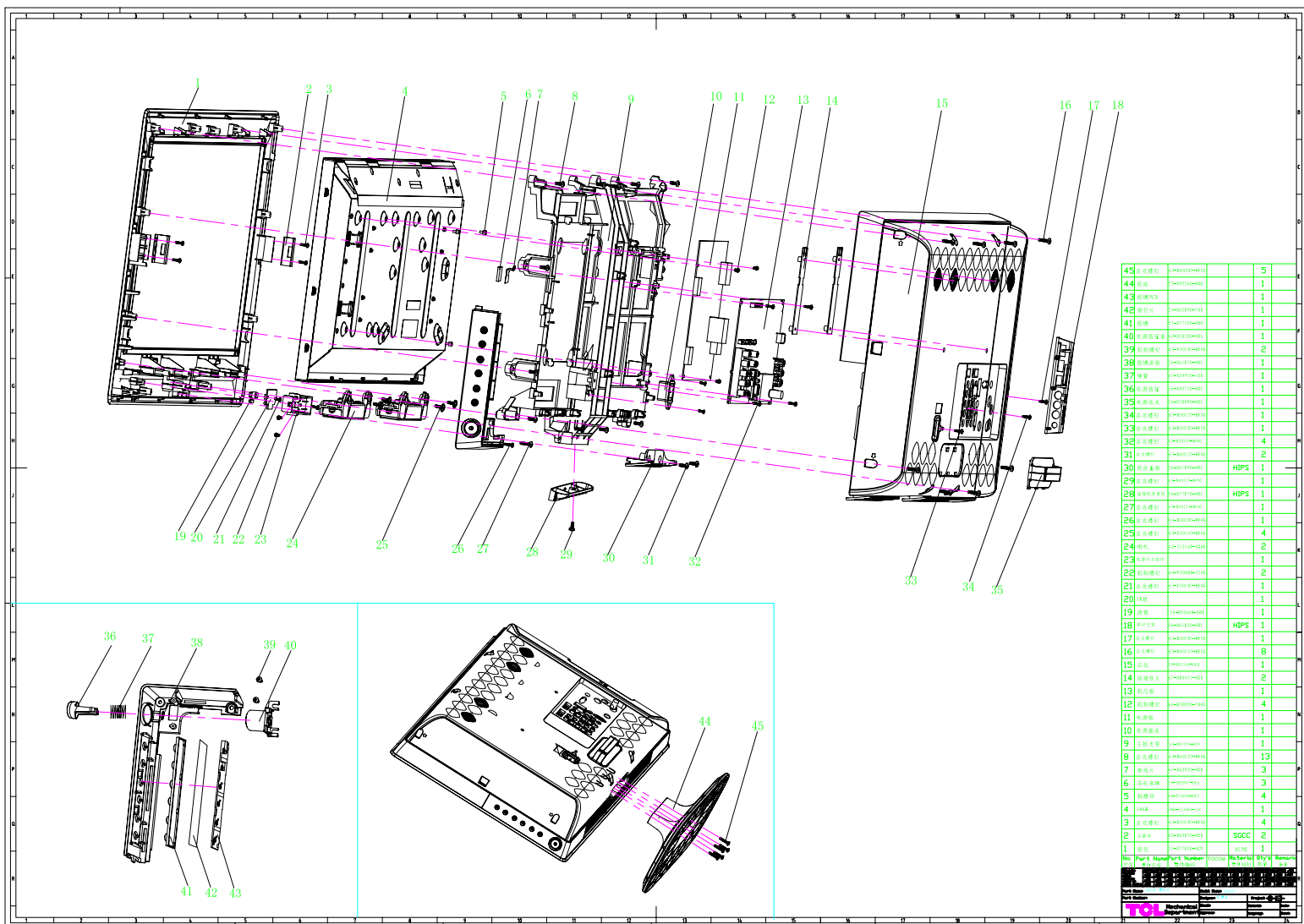




PCB Material
FR-4
Thickness(MM)
1.6MM
Layer:2
DOUBLESIDE
Copper Thickness
10Z
Surface treatment
OSP
Solder slot(C-PAD)
Other









parent	child	description	BOM text
H4-YS10SS6-AG61	T8-YS10NS5-KE2	ASS' Y - KEY BD(SMT PARTS)EQU	
T8-YS10NS5-KE2	40-L22S10-KEB2XG	TV PCB KE BD R=Y	
T8-YS10NS5-KE2	54-865890-100	RAW DOME FOR KEYS -- 01 00 00 R=Y	
T8-YS10NS5-KE2	89-00SCS2-XT1G	SUNDRIES-SOLDER - BAR R=Y	
T8-YS10NS5-KE2	90-243430-XS1	SUNDRIES-THINNER R=Y	
T8-YS10NS5-KE2	90-EC19S8-ZH01F	SUNDRIES-FLUX R=Y	
T8-YS10NS5-KE2	90-SMTRG0-JS1	SUNDRIES-GLUE -- R=Y	
T8-YS10NS5-KE2	T8-YS10NS5-KE2ST	ASS' Y - KEY BD(SMT PARTS)EQU	
T8-YS10NS5-KE2ST	19-AB0102-JTX	RES SMD 1K OHM 1/10W 0603	R904
T8-YS10NS5-KE2ST	19-AB0182-JTX	SMD. RES 1.8K OHM 1/10W +/-5% 0603	R903
T8-YS10NS5-KE2ST	19-AB0302-JTX	SMD. RES 3K OHM 1/10W +/-5% 0603	R902
T8-YS10NS5-KE2ST	19-AB0391-JTX	R-SMD 390R00HM 5% 1/10W 0603 -	R905
T8-YS10NS5-KE2ST	19-AB0512-JTX	R-SMD 5K10HM 5% 1/10W 0603 -	R901
T8-YS10NS5-KE2ST	19-AB0912-JTX	RES. SMD 9100 OHM 1/10W	R900
T8-YS10NS5-KE2ST	46-40300W-04SG	CONN SMT 4 0.5MM MALE WHITE R	P903
T8-YS10NS5-KE2ST	46-40300W-06SG	CONN SMT 6 0.5MM MALE WHITE R	P901
H4-YS10SS6-AG61	T8-YS10NS5-IR2	ASS' Y - INFRARED RECEIVE BD(SMT PARTS)EQ	
T8-YS10NS5-IR2	02-IRR009-XX2	IRR 38KHZ R=Y	G1
T8-YS10NS5-IR2	40-L32S10-IRB2XG	TV PCB IR BD R=Y	
T8-YS10NS5-IR2	89-00SCS2-XT1G	SUNDRIES-SOLDER - BAR R=Y	
T8-YS10NS5-IR2	89-SAC405-XG1G	SUNDRIES-SOLDER - SOLDER PASTE R=Y	
T8-YS10NS5-IR2	90-243430-XS1	SUNDRIES-THINNER R=Y	
T8-YS10NS5-IR2	90-EC19S8-ZH01F	SUNDRIES-FLUX R=Y	
T8-YS10NS5-IR2	T8-YS10NS5-IR2ST	ASS' Y - INFRARED RECEIVE BD(SMT PARTS)EQ	
T8-YS10NS5-IR2ST	12-BT3906-OBX	TR-SMD PNP 40V 200MIO A 250MHZ 225MIO W S	Q1
T8-YS10NS5-IR2ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R4
T8-YS10NS5-IR2ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R5
T8-YS10NS5-IR2ST	19-AB0100-JTX	RES SMD 10 OHM 1/10W +/-5%	R2
T8-YS10NS5-IR2ST	19-AB0103-JTX	RES SMD 10K OHM 1/10W 0603	R1
T8-YS10NS5-IR2ST	19-AB0472-JTX	RES SMD 4.7K OHM 1/10W 0603	R3
T8-YS10NS5-IR2ST	28-AB0104-ZFX	CAP.CER,SMD 100NOF 50V DCV 0603 -	C2
T8-YS10NS5-IR2ST	28-BA0106-ZFX	CAP.CER,SMD 10UOF 10V DCV 0805 -	C1
T8-YS10NS5-IR2ST	46-40315W-02SG	CONN SMT 2 0.5MM MALE WHITE R	P100
T8-YS10NS5-IR2ST	46-40315W-04SG	CONN SMT 4 1MM MALE WHITE R	P1
H4-YS10SS6-AG61	08-LC242C1-PW200AA	ASS' Y - POWER BD(LPL24C)EQU	
08-LC242C1-PW200AA	08-LC242C1-PW300AA	ASS' Y - POWER BD(LPL24C)EQU	
08-LC242C1-PW300AA	10-0FR104-FBX	DIODE FR104 (FAST RECTIFIER)	D15
08-LC242C1-PW300AA	10-ORL255-EBX	D-PIN 1.1V 2 A 800V / /W DO-15 RL255	D16
08-LC242C1-PW300AA	10-ORL255-EBX	D-PIN 1.1V 2 A 800V / /W DO-15 RL255	D19
08-LC242C1-PW300AA	10-ORL255-EBX	D-PIN 1.1V 2 A 800V / /W DO-15 RL255	D18
08-LC242C1-PW300AA	10-ORL255-EBX	D-PIN 1.1V 2 A 800V / /W DO-15 RL255	D17
08-LC242C1-PW300AA	10-1N4007-EBX	D-PIN 1.1V 1 A 1000V / /W DO-41 1N4007	D3
08-LC242C1-PW300AA	10-865C10-S7X	DIODE 100V 20A	D5
08-LC242C1-PW300AA	10-865C10-S7X	DIODE 100V 20A	D6
08-LC242C1-PW300AA	10-P6KE9V-1AX	D-ZENER 9.1V 10%	D11
08-LC242C1-PW300AA	10-YG865C-S7X	D-PIN 0.74VV 10 A 60VV / /W TO-220F YG86	D7
08-LC242C1-PW300AA	11-08N60G-OCX	MOSFET 600V 8A	Q2
08-LC242C1-PW300AA	18-FF0479-JGX	RESISTOR METAL OXIDE FILM 4R70HM 5% 1WW	R49
08-LC242C1-PW300AA	18-FH0563-JLX	RESISTOR METAL OXIDE FILM 56K00HM 5% 3WW	R2
08-LC242C1-PW300AA	18-RG0338-JHX	RES. WIRE ROUND 0.33 OHM 2W +/-5%	R1
08-LC242C1-PW300AA	22-NTC479-XX0	NTC 4.7D2-14	R66
08-LC242C1-PW300AA	25-BEB220-M1X	CAP.ELE 5MM 22UF 35VV 5*11 85 \	C47

08-LC242C1-PW300AA	25-GNF121-M135	CAP.ELE 10MM 120UF 450V 22*35 105 CD263	C36
08-LC242C1-PW300AA	25-NCA102-M1X	CAP.ELE 5MM 1000UF 16V 10*20 105 \	C34
08-LC242C1-PW300AA	25-NCA152-M1X	CAP.ELE 5MM 1500UF 16V 10*20 105 \	C45
08-LC242C1-PW300AA	25-NDA471-M1X	CAP.ELE 5MM 470UF 25V 10*16 105 \	C40
08-LC242C1-PW300AA	25-NDA471-M1X	CAP.ELE 5MM 470UF 25V 10*16 105 \	C44
08-LC242C1-PW300AA	25-NDA681-M1X	CAP.ELE 5MM 680UF 25V 10*20 105	C18
08-LC242C1-PW300AA	25-NDA681-M1X	CAP.ELE 5MM 680UF 25V 10*20 105	C43
08-LC242C1-PW300AA	25-NDA681-M1X	CAP.ELE 5MM 680UF 25V 10*20 105	C42
08-LC242C1-PW300AA	26-ABC222-KBX	CAP. CER 2200 PF 50V +/-10% B	C54
08-LC242C1-PW300AA	26-ABC222-KBX	CAP. CER 2200 PF 50V +/-10% B	C55
08-LC242C1-PW300AA	26-AIC102-KBX	CAP.CER 1NOF 500VV -	C39
08-LC242C1-PW300AA	26-AIC102-KBX	CAP.CER 1NOF 500VV -	C38
08-LC242C1-PW300AA	26-AKC101-KBX	CAP. CER 100 pF 1KV +/-10%	C53
08-LC242C1-PW300AA	26-ANM100-JZX	CAP.CER 10PF 3KV +/-5%	C1
08-LC242C1-PW300AA	26-ANM100-JZX	CAP.CER 10PF 3KV +/-5%	C2
08-LC242C1-PW300AA	26-ANM100-JZX	CAP.CER 10PF 3KV +/-5%	C3
08-LC242C1-PW300AA	26-ANM100-JZX	CAP.CER 10PF 3KV +/-5%	C10
08-LC242C1-PW300AA	26-APL152-MEX	CAP. CER 1500PF 250VAC +/-20%E	C51
08-LC242C1-PW300AA	26-APL471-KBX	CAP. CER 470PF 250VAC +/-10% B	C49
08-LC242C1-PW300AA	26-APL471-KBX	CAP. CER 470PF 250VAC +/-10% B	C50
08-LC242C1-PW300AA	27-AQT334-MV3	CAP.M. PP0. 33UF275VAC+/-20%	C5
08-LC242C1-PW300AA	27-AQT334-MV3	CAP.M. PP0. 33UF275VAC+/-20%	C46
08-LC242C1-PW300AA	27-MHC103-J0X	CAP.M 10NF 400V +/-5%	C37
08-LC242C1-PW300AA	35-339740-00X	FERR. BEAD LB3. 5X6	L98
08-LC242C1-PW300AA	36-LIF089-BX0	COILS AND INDUCTORS 10MH 1800V LINE FILT	L5
08-LC242C1-PW300AA	36-LIF149-LX0	LINE FILTER JLB20105	L4
08-LC242C1-PW300AA	36-LIF184-LX0	COIL-SF 20MH JLB0942 R=Y	L1
08-LC242C1-PW300AA	36-TRF299-LX0	TRANSFORMER BCK-35-0410	T1
08-LC242C1-PW300AA	36-VER024-HX0	COILS AND INDUCTORS 255MH 1500V INVERTER	T2
08-LC242C1-PW300AA	36-WID229-XX2	FERRITE INDUCTOR COIL	L2
08-LC242C1-PW300AA	36-WID229-XX2	FERRITE INDUCTOR COIL	L3
08-LC242C1-PW300AA	40-LPL24C-PWF1XG	TV PCB PW BD R=Y	PCB
08-LC242C1-PW300AA	41-WJ0055-B00	WIREBAREJUMPER5. 5MM	J40
08-LC242C1-PW300AA	41-WJ0055-B00	WIREBAREJUMPER5. 5MM	J47
08-LC242C1-PW300AA	41-WJ0055-B00	WIREBAREJUMPER5. 5MM	J44
08-LC242C1-PW300AA	41-WJ0055-B00	WIREBAREJUMPER5. 5MM	J42
08-LC242C1-PW300AA	41-WJ0055-B00	WIREBAREJUMPER5. 5MM	J16
08-LC242C1-PW300AA	41-WJ0055-B00	WIREBAREJUMPER5. 5MM	J12
08-LC242C1-PW300AA	41-WJ0055-B00	WIREBAREJUMPER5. 5MM	J11
08-LC242C1-PW300AA	41-WJ0055-B00	WIREBAREJUMPER5. 5MM	J10
08-LC242C1-PW300AA	41-WJ0055-B00	WIREBAREJUMPER5. 5MM	J9
08-LC242C1-PW300AA	41-WJ0055-B00	WIREBAREJUMPER5. 5MM	J45
08-LC242C1-PW300AA	41-WJ0055-B00	WIREBAREJUMPER5. 5MM	J46
08-LC242C1-PW300AA	41-WJ0075-B00	WIREBAREJUMPER7. 5MM	J13
08-LC242C1-PW300AA	41-WJ0075-B00	WIREBAREJUMPER7. 5MM	J48
08-LC242C1-PW300AA	41-WJ0100-B00	WIREBAREJUMPER10MM	J60
08-LC242C1-PW300AA	41-WJ0100-B00	WIREBAREJUMPER10MM	J59
08-LC242C1-PW300AA	41-WJ0100-B00	WIREBAREJUMPER10MM	J58
08-LC242C1-PW300AA	41-WJ0100-B00	WIREBAREJUMPER10MM	J7
08-LC242C1-PW300AA	41-WJ0100-B00	WIREBAREJUMPER10MM	J1
08-LC242C1-PW300AA	41-WJ0140-B00	WIREBAREJUMPER14MM	J14
08-LC242C1-PW300AA	41-WJ0150-B00	WIREBAREJUMPER15MM	J8
08-LC242C1-PW300AA	41-WJ0175-B00	WIREBAREJUMPER17. 5MM	J33
08-LC242C1-PW300AA	41-WJ0175-B00	WIREBAREJUMPER17. 5MM	J32

08-LC242C1-PW300AA	41-WJ0175-B00	WIREBAREJUMPER17.5MM	J30
08-LC242C1-PW300AA	41-WJ0175-B00	WIREBAREJUMPER17.5MM	J6
08-LC242C1-PW300AA	46-35063W-03XG	PIN BASE *3 VH-3A	P1
08-LC242C1-PW300AA	46-40338W-12XG	CONN PHD 12 2.0MM FEMALE R	P2
08-LC242C1-PW300AA	46-40396W-02XG	CONN PHD 4 12MM FEMALE WHITE ST	P3
08-LC242C1-PW300AA	46-40396W-02XG	CONN PHD 4 12MM FEMALE WHITE ST	P5
08-LC242C1-PW300AA	50-02000D-1GS1G	FUSE 2.0AT 250VAC 5MMX20MM	F1
08-LC242C1-PW300AA	64-Z30080-114G	Screws	FOR Q2;FOR D5;FOR D6;FOR
08-LC242C1-PW300AA	66-20516X-0B0	FUSE HOLDER	FOR F1
08-LC242C1-PW300AA	66-343730-0B0	HOLLOW RIVET 1.6MMX3.0MMX3.2MM	FOR T1
08-LC242C1-PW300AA	66-343740-0B0	HOLLOW RIVET (2.3MMX4.0MMX3.5MM)	FOR P1;FOR C36
08-LC242C1-PW300AA	67-H85285-0A0	RAW HEATSINK PWL22C 00 00 R=Y	Y1
08-LC242C1-PW300AA	67-H85285-9A0	RAW HEATSINK LPL22C 09 00 R=Y	Y2
08-LC242C1-PW300AA	67-M60442-0E0	METAL PART	A29
08-LC242C1-PW300AA	67-M60442-0E0	METAL PART	A22
08-LC242C1-PW300AA	89-00SCS2-XT1G	SUNDRIES-SOLDER - BAR R=Y	
08-LC242C1-PW300AA	89-LF5023-X10G	SUNDRIES-SOLDER - SOLDER PASTE R=Y	
08-LC242C1-PW300AA	90-0DSTG1-SR1U	HEAT SINK DSTG-1	
08-LC242C1-PW300AA	90-243430-XS1	SUNDRIES-THINNER R=Y	
08-LC242C1-PW300AA	90-EC19S8-ZH01F	SUNDRIES-FLUX R=Y	
08-LC242C1-PW300AA	90-KQ2109-XJ3	SUNDRIES-SILICONE SILICONE RUBBER R=Y	
08-LC242C1-PW300AA	90-SMTRGS-JS1	SUNDRIES-GLUE - R=Y	
08-LC242C1-PW300AA	13-000TL4-31T	IC-REGSPECKT TL431ACLP R=N	U4
08-LC242C1-PW300AA	13-0HPC92-2CP	TCL13-0HPC92-2CP= PHOTO COUPLER HPC922-C	U2
08-LC242C1-PW300AA	22-VDR681-KG0	VDR 680V 0.4W	R14
08-LC242C1-PW200AA	08-LC242C1-PW3STA	ASS'Y - POWER BD(LPL24C)EQU	
08-LC242C1-PW3STA	09-0BAV70-ATX	D,SMD 75VV 125MA A 715MVV 4N 0.25W SOT23	D10
08-LC242C1-PW3STA	09-0BAV70-ATX	D,SMD 75VV 125MA A 715MVV 4N 0.25W SOT23	D20
08-LC242C1-PW3STA	09-0BAV70-ATX	D,SMD 75VV 125MA A 715MVV 4N 0.25W SOT23	D9
08-LC242C1-PW3STA	09-0BAV70-ATX	D,SMD 75VV 125MA A 715MVV 4N 0.25W SOT23	D4
08-LC242C1-PW3STA	09-0BAV99-ATX	D,SMD 70.0V 200MIO A 855MIOV 4N 0.25W SO	D13
08-LC242C1-PW3STA	09-38C18V-DTX	D-ZENER, SMD 18VV 0.016A 0.3W BZX384C18	D1
08-LC242C1-PW3STA	09-52HC15-DTX	D-ZENER, SMD 15V /A 0.375W BZT52HC15	D2
08-LC242C1-PW3STA	12-A0D413-0BX	MOSFET-SMD P 40V 12A 50W TO-252 A0D413	Q6
08-LC242C1-PW3STA	12-BT3904-0BX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q9
08-LC242C1-PW3STA	12-BT3904-0BX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q4
08-LC242C1-PW3STA	12-BT3904-0BX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q5
08-LC242C1-PW3STA	12-BT3906-0BX	TR-SMD PNP 40V 200MIO A 250MHZ 225MIO W S	Q8
08-LC242C1-PW3STA	13-FA5571-NOB	IC PWM CONTROLLER	U3
08-LC242C1-PW3STA	13-MP1007-ESB	IC-LOGIC CCFL CONTROLLER R=N	U1
08-LC242C1-PW3STA	19-BC0000-JTX	SMD. RES 0 OHM 1/8W +/-5%	J57
08-LC242C1-PW3STA	19-BC0000-JTX	SMD. RES 0 OHM 1/8W +/-5%	J2
08-LC242C1-PW3STA	19-BC0000-JTX	SMD. RES 0 OHM 1/8W +/-5%	J19
08-LC242C1-PW3STA	19-BC0000-JTX	SMD. RES 0 OHM 1/8W +/-5%	J3
08-LC242C1-PW3STA	19-BC0000-JTX	SMD. RES 0 OHM 1/8W +/-5%	J4
08-LC242C1-PW3STA	19-BC0000-JTX	SMD. RES 0 OHM 1/8W +/-5%	J29
08-LC242C1-PW3STA	19-BC0000-JTX	SMD. RES 0 OHM 1/8W +/-5%	R27
08-LC242C1-PW3STA	19-BC0000-JTX	SMD. RES 0 OHM 1/8W +/-5%	R30
08-LC242C1-PW3STA	19-BC0100-JTX	SMD. RES 10 OHM 1/8W +/-5%	R5
08-LC242C1-PW3STA	19-BC0102-FTX	R-SMD 1KOHM +/-1% 1/8W 0805 -	R75
08-LC242C1-PW3STA	19-BC0102-JTX	SMD. RES 1K OHM 1/8W +/-5%	R65
08-LC242C1-PW3STA	19-BC0102-JTX	SMD. RES 1K OHM 1/8W +/-5%	R68
08-LC242C1-PW3STA	19-BC0103-JTX	SMD. RES 10K OHM 1/8W +/-5%	R55
08-LC242C1-PW3STA	19-BC0103-JTX	SMD. RES 10K OHM 1/8W +/-5%	R54

08-LC242C1-PW3STAA	19-BC0103-JTX	SMD. RES 10K OHM 1/8W +/-5%	R17
08-LC242C1-PW3STAA	19-BC0103-JTX	SMD. RES 10K OHM 1/8W +/-5%	R47
08-LC242C1-PW3STAA	19-BC0103-JTX	SMD. RES 10K OHM 1/8W +/-5%	R46
08-LC242C1-PW3STAA	19-BC0103-JTX	SMD. RES 10K OHM 1/8W +/-5%	R15
08-LC242C1-PW3STAA	19-BC0104-FTX	RES. SMD 100KOHM 1/8W +/-1%	R77
08-LC242C1-PW3STAA	19-BC0104-FTX	RES. SMD 100KOHM 1/8W +/-1%	R74
08-LC242C1-PW3STAA	19-BC0104-FTX	RES. SMD 100KOHM 1/8W +/-1%	R76
08-LC242C1-PW3STAA	19-BC0104-FTX	RES. SMD 100KOHM 1/8W +/-1%	R78
08-LC242C1-PW3STAA	19-BC0104-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 100K $\Omega$	R57
08-LC242C1-PW3STAA	19-BC0104-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 100K $\Omega$	R69
08-LC242C1-PW3STAA	19-BC0122-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 1. 2K $\Omega$	R22
08-LC242C1-PW3STAA	19-BC0152-FTX	SMD. RES 1. 5K OHM 1/8W +/-1%	R53
08-LC242C1-PW3STAA	19-BC0152-FTX	SMD. RES 1. 5K OHM 1/8W +/-1%	R16
08-LC242C1-PW3STAA	19-BC0152-FTX	SMD. RES 1. 5K OHM 1/8W +/-1%	R52
08-LC242C1-PW3STAA	19-BC0153-FTX	SMD. RES 15K OHM 1/8W +/-1%	R34
08-LC242C1-PW3STAA	19-BC0203-JTX	R-CHIP 20K00HM 5% 1/8W R=Y	R32
08-LC242C1-PW3STAA	19-BC0220-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 22 $\Omega$	R59
08-LC242C1-PW3STAA	19-BC0220-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 22 $\Omega$	R58
08-LC242C1-PW3STAA	19-BC0223-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 22K $\Omega$	R51
08-LC242C1-PW3STAA	19-BC0223-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 22K $\Omega$	R45
08-LC242C1-PW3STAA	19-BC0223-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 22K $\Omega$	R44
08-LC242C1-PW3STAA	19-BC0223-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 22K $\Omega$	R26
08-LC242C1-PW3STAA	19-BC0224-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 220K $\Omega$	R29
08-LC242C1-PW3STAA	19-BC0224-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 220K $\Omega$	R42
08-LC242C1-PW3STAA	19-BC0242-FTX	SMD. RES 0805, 1/8W, $\pm 1\%$ , 2. 4K $\Omega$	R18
08-LC242C1-PW3STAA	19-BC0242-JTX	SMD. RES 2. 4K OHM 1/8W +/-5%	R71
08-LC242C1-PW3STAA	19-BC0333-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 33K $\Omega$	R43
08-LC242C1-PW3STAA	19-BC0362-FTX	SMD. RES 0805, 1/8W, $\pm 1\%$ , 3. 6K $\Omega$	R19
08-LC242C1-PW3STAA	19-BC0393-FTX	SMD. RES 39K OHM 1/8W +/-1%	R20
08-LC242C1-PW3STAA	19-BC0473-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 47K $\Omega$	R25
08-LC242C1-PW3STAA	19-BC0473-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 47K $\Omega$	R50
08-LC242C1-PW3STAA	19-BC0474-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 470K $\Omega$	R70
08-LC242C1-PW3STAA	19-BC0474-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 470K $\Omega$	R31
08-LC242C1-PW3STAA	19-BC0474-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 470K $\Omega$	R48
08-LC242C1-PW3STAA	19-BC0510-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 51 $\Omega$	R4
08-LC242C1-PW3STAA	19-BC0513-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 51K $\Omega$	R35
08-LC242C1-PW3STAA	19-BC0822-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 8. 2K $\Omega$	R63
08-LC242C1-PW3STAA	19-BC0822-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 8. 2K $\Omega$	R64
08-LC242C1-PW3STAA	19-BC0912-FTX	SMD. RES 0805, 1/8W, $\pm 1\%$ , 9. 1K $\Omega$	R33
08-LC242C1-PW3STAA	19-BC0913-JTX	SMD. RES 0805, 1/8W, $\pm 5\%$ , 91K $\Omega$	R28
08-LC242C1-PW3STAA	19-CD0000-JTX	RES. SMD 0 OHM 1206	J5
08-LC242C1-PW3STAA	19-CD0000-JTX	RES. SMD 0 OHM 1206	J18
08-LC242C1-PW3STAA	19-CD0000-JTX	RES. SMD 0 OHM 1206	J50
08-LC242C1-PW3STAA	19-CD0000-JTX	RES. SMD 0 OHM 1206	J41
08-LC242C1-PW3STAA	19-CD0104-JTX	RES. SMD 100KOHM 1/4W +/-5%	R3
08-LC242C1-PW3STAA	19-CD0109-JTX	SMD. RES 1 OHM 1/4W +/-5%	R37
08-LC242C1-PW3STAA	19-CD0220-JTX	SMD. RES 22 OHM 1/4W +/-5% 1206	R9
08-LC242C1-PW3STAA	19-CD0220-JTX	SMD. RES 22 OHM 1/4W +/-5% 1206	R7
08-LC242C1-PW3STAA	19-CD0220-JTX	SMD. RES 22 OHM 1/4W +/-5% 1206	R6
08-LC242C1-PW3STAA	19-CD0222-JTX	RES. SMD 2. 2K OHM 1/4W 5%	R8
08-LC242C1-PW3STAA	19-CD0229-JTX	SMD. RES 2. 2 OHM 1/4W +/-5% 1206	R72
08-LC242C1-PW3STAA	19-CD0229-JTX	SMD. RES 2. 2 OHM 1/4W +/-5% 1206	R73
08-LC242C1-PW3STAA	19-CD0472-JTX	SMD. RES 4. 7K OHM 1/4W 5%	R10
08-LC242C1-PW3STAA	19-CD0472-JTX	SMD. RES 4. 7K OHM 1/4W 5%	R11



08-LC242C1-PW3STAA	19-CD0473-JTX	SMD. RES 47K OHM 1/4W 5%	R60
08-LC242C1-PW3STAA	19-CD0479-JTX	SMD. RES 4.7 OHM 1/4W +/-5%	R12
08-LC242C1-PW3STAA	19-CD0564-JTX	SMD. RES 560K OHM 1/4W +/-5%	R39
08-LC242C1-PW3STAA	19-CD0564-JTX	SMD. RES 560K OHM 1/4W +/-5%	R38
08-LC242C1-PW3STAA	19-CD0564-JTX	SMD. RES 560K OHM 1/4W +/-5%	R41
08-LC242C1-PW3STAA	19-CD0564-JTX	SMD. RES 560K OHM 1/4W +/-5%	R40
08-LC242C1-PW3STAA	19-CD0684-JTX	SMD. RES 680K 1/4W +/-5%	R56
08-LC242C1-PW3STAA	19-CD0684-JTX	SMD. RES 680K 1/4W +/-5%	R61
08-LC242C1-PW3STAA	19-CD0684-JTX	SMD. RES 680K 1/4W +/-5%	R62
08-LC242C1-PW3STAA	28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	C57
08-LC242C1-PW3STAA	28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	C56
08-LC242C1-PW3STAA	28-BB0102-JCX	SMD. CAP. 50V 1000PF +/-5%	C12
08-LC242C1-PW3STAA	28-BB0102-KBX	CAP. CER, SMD 1NF 50.0V 0805 - +/-10% R=Y	C58
08-LC242C1-PW3STAA	28-BB0103-KBX	CAP. CER, SMD 10NF 50.0V 0805 - +/-10% R=Y	C8
08-LC242C1-PW3STAA	28-BB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0805 -	C33
08-LC242C1-PW3STAA	28-BB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0805 -	C23
08-LC242C1-PW3STAA	28-BB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0805 -	C13
08-LC242C1-PW3STAA	28-BB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0805 -	C15
08-LC242C1-PW3STAA	28-BB0150-JCX	SMD. CAP 15 PF 50V +/-5%	C6
08-LC242C1-PW3STAA	28-BB0221-JCX	SMD. CAP 220 PF 50V +/-5%	C7
08-LC242C1-PW3STAA	28-BB0224-KBX	CAP. CER, SMD 220NOF 50V DCV 0805 -	C25
08-LC242C1-PW3STAA	28-BB0392-KBX	SMD. CAP 3.9NF 50V +/-10%	C27
08-LC242C1-PW3STAA	28-BB0392-KBX	SMD. CAP 3.9NF 50V +/-10%	C28
08-LC242C1-PW3STAA	28-BB0392-KBX	SMD. CAP 3.9NF 50V +/-10%	C29
08-LC242C1-PW3STAA	28-BB0392-KBX	SMD. CAP 3.9NF 50V +/-10%	C26
08-LC242C1-PW3STAA	28-BB0682-KBX	SMD. CAP 6800 PF 50V +/-10%	C20
08-LC242C1-PW3STAA	28-BC0105-ZFX	SMD. CAP 1 UF 16VDC +80/-20% 0805	C21
08-LC242C1-PW3STAA	28-BD0105-ZFX	CAP. CER, SMD 1UOF 25V DCV 0805 -	C14
08-LC242C1-PW3STAA	28-BD0105-ZFX	CAP. CER, SMD 1UOF 25V DCV 0805 -	C17
08-LC242C1-PW3STAA	28-BD0105-ZFX	CAP. CER, SMD 1UOF 25V DCV 0805 -	C9
08-LC242C1-PW3STAA	28-BD0105-ZFX	CAP. CER, SMD 1UOF 25V DCV 0805 -	C4
08-LC242C1-PW3STAA	28-BD0105-ZFX	CAP. CER, SMD 1UOF 25V DCV 0805 -	C16
08-LC242C1-PW3STAA	28-BD0224-KBX	SMD. CAP. 25V 220NF +/-10%	C22
08-LC242C1-PW3STAA	28-BD0225-ZFX	CAP. CER, SMD 2U2F 25V DCV 0805 -	C35
08-LC242C1-PW3STAA	28-BD0225-ZFX	CAP. CER, SMD 2U2F 25V DCV 0805 -	C52
08-LC242C1-PW3STAA	28-BD0683-KBX	CAP. SMD 68NF 25V +/-100805X7R	C19
08-LC242C1-PW3STAA	12-21N06L-OBX	MOSFET-SMD N 55V 19A 56W SOT428 PHD21N06	Q7
08-LC242C1-PW200AA	71-PHIBAR-NUL1A	TV PRI LABEL BARCODE -- R=Y	
H4-YS10SS6-AG61	T8-YS10NS5-FC2	ASS'Y - FRONT CABINETASY	
T8-YS10NS5-FC2	42-31216D-XXOGCK	SPEAKER 16OHM 5W 225HZ RECTANGLE YDP312-	MTG TO FRONT CABINET
T8-YS10NS5-FC2	46-AB250L-CMOC1G	WIRE LVDS CONNECTOR 250MM 30 FI-E30HL PH	
T8-YS10NS5-FC2	46-CN080L-06A03G	WIRE 喇叭线 800MM 6 TJC3 187自锁 2.5MM U	
T8-YS10NS5-FC2	46-FX075L-10W01G	WIRE 按键线 750MM 10 A2008 A1255-25P 2.0	
T8-YS10NS5-FC2	46-LL025L-16X01G	WIRE POWER SULLPY WIRE FOR MAIN BOARD 25	
T8-YS10NS5-FC2	46-XX060T-04W01G	WIRE 遥控线 600MM 4 SMT SMT 1.25MM UL265	
T8-YS10NS5-FC2	47-PWS030-DX0	SOCKET-SF POWER CONNECTER ST FEMALE	
T8-YS10NS5-FC2	48-POW009-XX2G	SWITH-POWER 8A/128A 250V-, 4A/128A 250V-U	
T8-YS10NS5-FC2	57-882630-OUM	RAW LOGO LIGHT 00 00 00 R=Y	
T8-YS10NS5-FC2	62-265160-OHA01	DEC BRACKET POWER ADAPTOR -- 00 00 00 R	
T8-YS10NS5-FC2	62-856620-OUN	TV RAW SUPPORT POWER BASE 00 00 00 R=N	
T8-YS10NS5-FC2	62-881550-OUN	RAW SUPPORT SSB (CMO) -- 00 00 00 R=N	
T8-YS10NS5-FC2	63-B3010T-BF4G	SCREW-ST 3MM 10MM ISO R=Y	MTG PANEL SUPPORT2 & FRC
T8-YS10NS5-FC2	63-B3010T-BF4G	SCREW-ST 3MM 10MM ISO R=Y	MTG KEY BRACKET & FRONT
T8-YS10NS5-FC2	63-B3010T-BF4G	SCREW-ST 3MM 10MM ISO R=Y	MTG IR BOARD LENS & FROM

T8-YS10NS5-FC2	63-B4012T-BF4G	SCREW-ST 4MM 12MM ISO R=Y	MTG AV-POWER BRACKET &FF
T8-YS10NS5-FC2	63-B4012T-BF4G	SCREW-ST 4MM 12MM ISO R=Y	MTG KEY BRACKET & FRONT
T8-YS10NS5-FC2	63-B4012T-BF4G	SCREW-ST 4MM 12MM ISO R=Y	MTG STAND BASE COVER & F
T8-YS10NS5-FC2	63-S30160-HS4G	SCREW 3MM 16MM 53 R=Y	MTG SPEAKER & FRONT CABI
T8-YS10NS5-FC2	63-W3010T-BF4G	SCREW-ST 3MM 10MM ISO R=Y	MTG POWER SUPPORT & FROM
T8-YS10NS5-FC2	63-W3010T-BF4G	SCREW-ST 3MM 10MM ISO R=Y	MTG POWER BUTTON ADOPTED
T8-YS10NS5-FC2	64-B30050-104G	M/C SCREW B 3 X 5	MTG POWER BOARD & PANEL
T8-YS10NS5-FC2	64-W30080-314G	SCREW 3MM 8MM 05 R=Y	MTG POWER SWITCH & POWER
T8-YS10NS5-FC2	65-A87413-08EG	WASHER 7MM 3MM 0.8MM ISO R=Y	MTG TO FRONT CABINET
T8-YS10NS5-FC2	66-876690-0E2	TV RAW HOLDER SCREW -- 00 00 R=Y	MTG TO PANEL
T8-YS10NS5-FC2	67-862870-0E0	TV RAW SUPPORT PANEL 2 00 00 00 R=Y	MTG TO FRONT CABINET
T8-YS10NS5-FC2	67-X24970-1E0	SPRING	
T8-YS10NS5-FC2	89-MY3003-JZ8	SUNDRIES-FILM SELF ADHESIVE FILM	ADHERE TO FC AFTER PAINT
T8-YS10NS5-FC2	89-MY3003-JZE	SUNDRIES-FILM SELF ADHESIVE FILM	ADHERE TO FC AFTER PAINT
T8-YS10NS5-FC2	T8-YS10NS5-FC2Z	ASS'Y - FRONT CABINET(ART)ASY	
T8-YS10NS5-FC2Z	55-877850-0CN01	PAI FRONTPANEL 24S10 -- 00 00 00 R=N	
T8-YS10NS5-FC2Z	56-873140-0HH01	TV PAI LENS IR -- 0HH 00 00 R=N	
T8-YS10NS5-FC2Z	62-858280-0HA01	TV PAI COVER POWER KNOB L22P10 R=N	
T8-YS10NS5-FC2Z	56-856660-1HA01	TV DEC KEY KNOB P10系列 R=N	
T8-YS10NS5-FC2Z	56-861870-0HZ1A	PRI COVER KEY KNOB -- 0HZ 00 00 R=N	
T8-YS10NS5-FC2Z	56-861890-0HZ6R	PRI COVER STAND -- 0HZ 00 00 R=N	MTG TO FRONT CABINET
T8-YS10NS5-FC2	57-877320-00H	TV RAW KEY KNOB -- 00 00 00 R=N	
T8-YS10NS5-FC2	67-862920-0E0	TV RAW SPRING CONDUCTOR 00 00 R=Y	MTG MAIN BOARD & PANEL
T8-YS10NS5-FC2	54-EM1007-0U6	SPONGE -- R=Y	MTG MAIN BOARD & PANEL
T8-YS10NS5-FC2	63-B3010T-BF4G	SCREW-ST 3MM 10MM ISO R=Y	MTG CHASSIS BOARD & PANE
T8-YS10NS5-FC2	89-BX8915-JZ0U	SUNDRIES-TAPE ADHESIVE 18MMX55M --	
T8-YS10NS5-FC2	46-KN045T-03I01G	WIRE 转接线 450MM 3 VH 187自锁 3.96MM UL	
T8-YS10NS5-FC2	54-808050-0U0	SPONGE BAR	ADHERE AROUND THE FC
T8-YS10NS5-FC2	63-F3010T-BF4G	SCREW-ST 3MM 10MM ISO R=Y	MTG POWER PLUG &CHASSIS
T8-YS10NS5-FC2	54-808030-0U0	SPONGE BAR	ADHERE ON FC TO SOLVE FC
T8-YS10NS5-FC2	46-QS040T-02E01G	WIRE POWER SUPPLY WIRE 400MM 2	
T8-YS10NS5-FC2	54-237930-0X0	TCL54-237930-0X0= HEAT SHRINKABLE TUBE 5	
H4-YS10SS6-AG61	T8-YS10NS5-MA3	ASS'Y - MAIN BD(SMT PARTS)EQU	
T8-YS10NS5-MA3	07-457FF5-NA2G	TUNER A% 卧式背出 NTSC 45.75HZ F CONNECT	Z101
T8-YS10NS5-MA3	11-SC3779-DBX	TR 12VV 100MA A NPN 0.6W 5000MHZ TO-92 2	Q103
T8-YS10NS5-MA3	18-FG0270-JHX	RESISTOR METAL OXIDE FILM 27R00HM 5% 2WW	R157
T8-YS10NS5-MA3	25-BCB331-M1X	CAP.ELE 5MM 330UF 16VV 8X11.5 85 /	C809
T8-YS10NS5-MA3	25-BDB471-M1X	CAP. ELEC 470 UF 25V +/-20%	C620
T8-YS10NS5-MA3	25-HCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	C112
T8-YS10NS5-MA3	25-HCB101-M1X	CAP.ELE 5MM 100UF 16.0V 6.3*7 85 \	C148
T8-YS10NS5-MA3	25-HCB101-M1X	CAP.ELE 5MM 100UF 16.0V 6.3*7 85 \	C107
T8-YS10NS5-MA3	25-HCB101-M1X	CAP.ELE 5MM 100UF 16.0V 6.3*7 85 \	C540
T8-YS10NS5-MA3	25-BCB471-M1X9	CAP.ELE 5.00MM 470UF 16V 10*9 85 LELON	C818
T8-YS10NS5-MA3	25-LCB101-M1X	CAP.ELE 5MM 100UF 16.0V 8*5 85 \	C807
T8-YS10NS5-MA3	25-HCB221-M1X	CAP.ELE 5MM 220UF 16V +/-20%(8*7)	C674
T8-YS10NS5-MA3	25-HCB221-M1X	CAP.ELE 5MM 220UF 16V +/-20%(8*7)	C675
T8-YS10NS5-MA3	25-LCB101-M1X	CAP.ELE 5MM 100UF 16.0V 8*5 85 \	C835
T8-YS10NS5-MA3	25-HCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	C201
T8-YS10NS5-MA3	34-R102K2-0EX	COIL CHOKE 1000UH/+/-10% EL0606RA-102K-P	L121
T8-YS10NS5-MA3	34-R102K2-0EX	COIL CHOKE 1000UH/+/-10% EL0606RA-102K-P	L105
T8-YS10NS5-MA3	36-WID100-XX5	COIL WIDTH RL0813-100M/G931	L803
T8-YS10NS5-MA3	40-40MS19-MAD2XG	TV PCB MA BD R=Y	
T8-YS10NS5-MA3	45-OSC14M-3Y2	CRYSTAL 14.31818MHZ	X201
T8-YS10NS5-MA3	45-OSC14M-3Y2BC	CRYSTAL 14.31818MHZ 30PPM FUND 16P F BUL	X201

T8-YS10NS5-MA3	45-SAWF39-530	SAW FILTER F3953M	X101
T8-YS10NS5-MA3	45-SAWF93-700	SAW FILTER F9370	X102
T8-YS10NS5-MA3	46-40333W-10XG	CONN PH 10 2.0MM FEMALE ST	P204
T8-YS10NS5-MA3	46-40334W-06XG	CONN TJC3 6 2.5MM FEMALE ST	P601
T8-YS10NS5-MA3	46-40335W-16XG	CONN PHD 16 2.0MM FEMALE ST	P801
T8-YS10NS5-MA3	46-40335W-40XG	CONN PHD 40 2.0MM FEMALE ST	P203
T8-YS10NS5-MA3	47-EAR005-XX0	EARPHONE SOCKET CK3-3.5-3WK-E	P604
T8-YS10NS5-MA3	47-RCA249-XX2G	SOCKET-RCA 3 RD-WH-YE R	P502
T8-YS10NS5-MA3	47-RCA255-HX0G	SOCKET-RCA 5 BK ST R=Y	P501
T8-YS10NS5-MA3	47-RCA275-XX0G	SOCKET-RCA 3 RD-WH-YE ST	P504
T8-YS10NS5-MA3	47-RCA276-XX0G	SOCKET-RCA 1 BK ST	P505
T8-YS10NS5-MA3	47-RCA286-XX0G	SOCKET-RCA N RD-WH-YE 3 ST N AV-3.2-3L19	P503
T8-YS10NS5-MA3	47-USB002-XX0	USB SOCKET USB-1W-B	P404
T8-YS10NS5-MA3	47-VGA019-XX0	SOCKET VGA ST Y /	P403
T8-YS10NS5-MA3	67-387190-0A0	HEAT SINK	FOR U201
T8-YS10NS5-MA3	71-LC0913-001	LABEL	
T8-YS10NS5-MA3	71-PHIBAR-NUL1A	TV PRI LABEL BARCODE -- R=Y	
T8-YS10NS5-MA3	89-00SCS2-XT1G	SUNDRIES-SOLDER - BAR R=Y	
T8-YS10NS5-MA3	89-LF5023-XIOG	SUNDRIES-SOLDER - SOLDER PASTE R=Y	
T8-YS10NS5-MA3	89-SAC405-XG1G	SUNDRIES-SOLDER - SOLDER PASTE R=Y	
T8-YS10NS5-MA3	90-243430-XS1	SUNDRIES-THINNER R=Y	
T8-YS10NS5-MA3	90-KQ2272-DRJU	SILICAGEL GLUE KQ2272	
T8-YS10NS5-MA3	T8-YS10NS5-MA3ST	ASS'Y - MAIN BD(SMT PARTS)EQU	
T8-YS10NS5-MA3ST	09-0BAV99-ATX	D,SMD 70.0V 200MIO A 855MIOV 4N 0.25W SO	D102
T8-YS10NS5-MA3ST	09-0BAV99-ATX	D,SMD 70.0V 200MIO A 855MIOV 4N 0.25W SO	D201
T8-YS10NS5-MA3ST	09-0CMS06-STX	D-BR,SMD 30V 2A 0.37V M-FLAT CMS06	D803
T8-YS10NS5-MA3ST	09-0CMS06-STX	D-BR,SMD 30V 2A 0.37V M-FLAT CMS06	D405
T8-YS10NS5-MA3ST	09-0CMS06-STX	D-BR,SMD 30V 2A 0.37V M-FLAT CMS06	D804
T8-YS10NS5-MA3ST	09-55C10V-DTX	SMD.DIODE 500mW 10V +/-5%	D501
T8-YS10NS5-MA3ST	09-55C10V-DTX	SMD.DIODE 500mW 10V +/-5%	D502
T8-YS10NS5-MA3ST	09-55C10V-DTX	SMD.DIODE 500mW 10V +/-5%	D607
T8-YS10NS5-MA3ST	09-55C33V-DTX	SMD.DIODE BZV55-C33	D103
T8-YS10NS5-MA3ST	09-BAT54C-STX	SMD.DIODE BAT54C+215	D407
T8-YS10NS5-MA3ST	09-BAT54C-STX	SMD.DIODE BAT54C+215	D406
T8-YS10NS5-MA3ST	09-FM5817-STX	D-BR,SMD 20V 1A 0.45V DO-214AC FM5817	D814
T8-YS10NS5-MA3ST	09-GLZ5B6-DTX	SMD Diode GLZ5.6B	D601
T8-YS10NS5-MA3ST	09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	D807
T8-YS10NS5-MA3ST	09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	D101
T8-YS10NS5-MA3ST	09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	D602
T8-YS10NS5-MA3ST	09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	D801
T8-YS10NS5-MA3ST	09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	D813
T8-YS10NS5-MA3ST	09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	D802
T8-YS10NS5-MA3ST	09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	D608
T8-YS10NS5-MA3ST	12-13N03L-OBX	MOSFET-SMD N 30V 10.4AA 3.57W S08 PHKD13	U808
T8-YS10NS5-MA3ST	12-2N7002-OBX	MOSFET-SMD N 60V 0.3A 0.83W SOT23 2N7002	Q602
T8-YS10NS5-MA3ST	12-2N7002-OBX	MOSFET-SMD N 60V 0.3A 0.83W SOT23 2N7002	Q601
T8-YS10NS5-MA3ST	12-2N7002-OBX	MOSFET-SMD N 60V 0.3A 0.83W SOT23 2N7002	Q107
T8-YS10NS5-MA3ST	12-2N7002-OBX	MOSFET-SMD N 60V 0.3A 0.83W SOT23 2N7002	Q106
T8-YS10NS5-MA3ST	12-BC846B-OBX	TR-SMD NPN 65V 100MIO A 300HZ 200MIOV SO	Q102
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q502
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q802
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q605
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q510
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q405

T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q404
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q403
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q401
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q806
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q805
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q804
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q803
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q505
T8-YS10NS5-MA3ST	12-BT3904-OBX	TR-SMD NPN 40VV 200MA A 300HZ 0.25W SOT2	Q506
T8-YS10NS5-MA3ST	12-BT3906-OBX	TR-SMD PNP 40V 200MIO A 250MHZ 225MIO W S	Q202
T8-YS10NS5-MA3ST	12-BT3906-OBX	TR-SMD PNP 40V 200MIO A 250MHZ 225MIO W S	Q603
T8-YS10NS5-MA3ST	12-BT3906-OBX	TR-SMD PNP 40V 200MIO A 250MHZ 225MIO W S	Q501
T8-YS10NS5-MA3ST	12-C124ET-OBX	TR-SMD NPN 50VV 100MA A 80HZ 0.25W SOT23	Q801
T8-YS10NS5-MA3ST	12-C124ET-OBX	TR-SMD NPN 50VV 100MA A 80HZ 0.25W SOT23	Q809
T8-YS10NS5-MA3ST	12-MV65XP-OBX	MOSFET-SMD P 20V 3.9A 1.92W SOT23 PMV65X	Q812
T8-YS10NS5-MA3ST	12-MV65XP-OBX	MOSFET-SMD P 20V 3.9A 1.92W SOT23 PMV65X	Q815
T8-YS10NS5-MA3ST	13-AS1117-25B	IC SOT-223 AS1117-25 CX	U804
T8-YS10NS5-MA3ST	13-AS1117-50B	IC 5V SOT-223 AS1117-50 CX	U102
T8-YS10NS5-MA3ST	13-AZ1084-33B	IC AZ1084S2-3.3E1	U801
T8-YS10NS5-MA3ST	13-AZ1117-DAB	IC MS19C ADJUSTABLE LDO 贴片编带 TO-252	U811
T8-YS10NS5-MA3ST	13-EF4052-BTB	TCL13-EF4052-BTB= IC HEF4052BT(D) R=N	U502
T8-YS10NS5-MA3ST	13-LD1117-DTB	IC-REGULADJ LD1117DT R=Y	U811
T8-YS10NS5-MA3ST	13-LD1117-DTB	IC-REGULADJ LD1117DT R=Y	U810
T8-YS10NS5-MA3ST	13-M24C04-MNB	4K E2PROM M24C04-WMN6TG	U203(CPP)
T8-YS10NS5-MA3ST	13-M24C64-W6B	IC-EEPROM M24C64-WMN6T R=Y	U204
T8-YS10NS5-MA3ST	13-MST9U1-9JB	IC MS19C VEDIO DECODER 贴片盒装 LQFP-216	U201
T8-YS10NS5-MA3ST	13-RC4558-DRB	IC RC4558DR(8-PIN SOP)	U602
T8-YS10NS5-MA3ST	13-RC4558-DRB	IC RC4558DR(8-PIN SOP)	U501
T8-YS10NS5-MA3ST	13-RT8110-00B	IC 12V TO 5V CONVERTER RT8110	U807
T8-YS10NS5-MA3ST	13-STA559-BWB	IC MS19C DIGITAL AUDIO AMPLIFIER 贴片编	U601
T8-YS10NS5-MA3ST	13-W25Q16-00B	IC MS19C-LA 16M BIT SERIOUS FLASH TAPE S	U202(CPP)
T8-YS10NS5-MA3ST	13-W9412G-61B	IC MS19C DDR 贴片盒装 TSOP W9412G61H-4	U205
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R119
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R120
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R664
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R663
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R666
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	C664
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	C667
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R696
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R697
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R207
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R163
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R619
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R101
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R620
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R238
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R129
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R617
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R535
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R418
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R401
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R339
T8-YS10NS5-MA3ST	19-AB0000-JTX	RES SMD 0 OHM 1/10W +/-5% 0603	R279



[illegible]

[illegible]

T8-YS10NS5-MA3ST	19-AB0103-JTX	RES SMD 10K OHM 1/10W 0603	R509
T8-YS10NS5-MA3ST	19-AB0103-JTX	RES SMD 10K OHM 1/10W 0603	R517
T8-YS10NS5-MA3ST	19-AB0103-JTX	RES SMD 10K OHM 1/10W 0603	R519
T8-YS10NS5-MA3ST	19-AB0103-JTX	RES SMD 10K OHM 1/10W 0603	R521
T8-YS10NS5-MA3ST	19-AB0103-JTX	RES SMD 10K OHM 1/10W 0603	R544
T8-YS10NS5-MA3ST	19-AB0104-JTX	SMD. RES 100K OHM 1/10W 0603	R155
T8-YS10NS5-MA3ST	19-AB0104-JTX	SMD. RES 100K OHM 1/10W 0603	R219
T8-YS10NS5-MA3ST	19-AB0104-JTX	SMD. RES 100K OHM 1/10W 0603	R526
T8-YS10NS5-MA3ST	19-AB0105-JTX	RES SMD 1M OHM 1/10W 0603	R235
T8-YS10NS5-MA3ST	19-AB0105-JTX	RES SMD 1M OHM 1/10W 0603	R817
T8-YS10NS5-MA3ST	19-AB0105-JTX	RES SMD 1M OHM 1/10W 0603	R868
T8-YS10NS5-MA3ST	19-AB0121-FTX	SMD. RES 120 OHM 1/10W +/-1% 0603	R887
T8-YS10NS5-MA3ST	19-AB0122-JTX	SMD. RES 1.2K OHM 1/10 J 0603	R111
T8-YS10NS5-MA3ST	19-AB0123-JTX	SMD. RES 12K OHM 1/10 J 0603	R552
T8-YS10NS5-MA3ST	19-AB0123-JTX	SMD. RES 12K OHM 1/10 J 0603	R553
T8-YS10NS5-MA3ST	19-AB0123-JTX	SMD. RES 12K OHM 1/10 J 0603	R554
T8-YS10NS5-MA3ST	19-AB0123-JTX	SMD. RES 12K OHM 1/10 J 0603	R551
T8-YS10NS5-MA3ST	19-AB0123-JTX	SMD. RES 12K OHM 1/10 J 0603	R558
T8-YS10NS5-MA3ST	19-AB0123-JTX	SMD. RES 12K OHM 1/10 J 0603	R557
T8-YS10NS5-MA3ST	19-AB0123-JTX	SMD. RES 12K OHM 1/10 J 0603	R876
T8-YS10NS5-MA3ST	19-AB0123-JTX	SMD. RES 12K OHM 1/10 J 0603	R102
T8-YS10NS5-MA3ST	19-AB0123-JTX	SMD. RES 12K OHM 1/10 J 0603	R559
T8-YS10NS5-MA3ST	19-AB0123-JTX	SMD. RES 12K OHM 1/10 J 0603	R556
T8-YS10NS5-MA3ST	19-AB0123-JTX	SMD. RES 12K OHM 1/10 J 0603	R584
T8-YS10NS5-MA3ST	19-AB0151-JTX	R-SMD 150R00HM 5% 1/10W 0603 -	R531
T8-YS10NS5-MA3ST	19-AB0151-JTX	R-SMD 150R00HM 5% 1/10W 0603 -	R108
T8-YS10NS5-MA3ST	19-AB0200-JTX	SMD. RES 20 OHM 1/10W +/-5% 0603	R115
T8-YS10NS5-MA3ST	19-AB0201-FTX	SMD. RES 200 OHM 1/10W +/-1% 0603	R852
T8-YS10NS5-MA3ST	19-AB0201-JTX	SMD. RES 200 OHM 1/10W +/-5% 0603	R234
T8-YS10NS5-MA3ST	19-AB0203-JTX	RES. SMD 20K OHM 1/10W 0603	R818
T8-YS10NS5-MA3ST	19-AB0221-JTX	RES SMD 220 OHM 1/10W 0603	R450
T8-YS10NS5-MA3ST	19-AB0221-JTX	RES SMD 220 OHM 1/10W 0603	R446
T8-YS10NS5-MA3ST	19-AB0222-FTX	SMD. RES 2.2K OHM 1/10W +/-1% 0603	R616
T8-YS10NS5-MA3ST	19-AB0222-JTX	RES SMD 2.2K OHM 1/10W 0603	R816
T8-YS10NS5-MA3ST	19-AB0223-JTX	SMD. RES 22K OHM 1/10W +/-5% 0603	R867
T8-YS10NS5-MA3ST	19-AB0223-JTX	SMD. RES 22K OHM 1/10W +/-5% 0603	R866
T8-YS10NS5-MA3ST	19-AB0223-JTX	SMD. RES 22K OHM 1/10W +/-5% 0603	R865
T8-YS10NS5-MA3ST	19-AB0223-JTX	SMD. RES 22K OHM 1/10W +/-5% 0603	R257
T8-YS10NS5-MA3ST	19-AB0223-JTX	SMD. RES 22K OHM 1/10W +/-5% 0603	R258
T8-YS10NS5-MA3ST	19-AB0223-JTX	SMD. RES 22K OHM 1/10W +/-5% 0603	R106
T8-YS10NS5-MA3ST	19-AB0223-JTX	SMD. RES 22K OHM 1/10W +/-5% 0603	R256
T8-YS10NS5-MA3ST	19-AB0223-JTX	SMD. RES 22K OHM 1/10W +/-5% 0603	R452
T8-YS10NS5-MA3ST	19-AB0223-JTX	SMD. RES 22K OHM 1/10W +/-5% 0603	R259
T8-YS10NS5-MA3ST	19-AB0223-JTX	SMD. RES 22K OHM 1/10W +/-5% 0603	R449
T8-YS10NS5-MA3ST	19-AB0243-FTX	R-SMD 24K0HM 1% 1/10W 0603 -	R835
T8-YS10NS5-MA3ST	19-AB0243-JTX	R-SMD 24K00HM 5% 1/10W 0603 -	R532
T8-YS10NS5-MA3ST	19-AB0272-JTX	R-SMD 2K70HM 5% 1/10W 0603 -	R262
T8-YS10NS5-MA3ST	19-AB0272-JTX	R-SMD 2K70HM 5% 1/10W 0603 -	R261
T8-YS10NS5-MA3ST	19-AB0331-JTX	RES. SMD 330 OHM 1/10W 0603	R851
T8-YS10NS5-MA3ST	19-AB0331-JTX	RES. SMD 330 OHM 1/10W 0603	R842
T8-YS10NS5-MA3ST	19-AB0332-JTX	SMD RES 3.3K OHM 1/10W 0603	R270
T8-YS10NS5-MA3ST	19-AB0332-JTX	SMD RES 3.3K OHM 1/10W 0603	R269
T8-YS10NS5-MA3ST	19-AB0333-JTX	RES. SMD 33K OHM 1/10W 0603	R515
T8-YS10NS5-MA3ST	19-AB0333-JTX	RES. SMD 33K OHM 1/10W 0603	R657

T8-YS10NS5-MA3ST	19-AB0333-JTX	RES. SMD 33K OHM 1/10W 0603	R656
T8-YS10NS5-MA3ST	19-AB0333-JTX	RES. SMD 33K OHM 1/10W 0603	R514
T8-YS10NS5-MA3ST	19-AB0339-JTX	RES. SMD 3.3 OHM 1/10W +/-5%	R622
T8-YS10NS5-MA3ST	19-AB0339-JTX	RES. SMD 3.3 OHM 1/10W +/-5%	R624
T8-YS10NS5-MA3ST	19-AB0363-JTX	RES. SMD 36K OHM 1/10W +/-5%	R840
T8-YS10NS5-MA3ST	19-AB0391-FTX	SMD. RES 390 OHM 1/10W +/-1% 0603	R232
T8-YS10NS5-MA3ST	19-AB0392-FTX	SMD. RES 3.9K OHM 1/10W +/-1%	R821
T8-YS10NS5-MA3ST	19-AB0393-JTX	R-SMD 39K00HM 5% 1/10W 0603 -	R516
T8-YS10NS5-MA3ST	19-AB0393-JTX	R-SMD 39K00HM 5% 1/10W 0603 -	R523
T8-YS10NS5-MA3ST	19-AB0393-JTX	R-SMD 39K00HM 5% 1/10W 0603 -	R658
T8-YS10NS5-MA3ST	19-AB0393-JTX	R-SMD 39K00HM 5% 1/10W 0603 -	R660
T8-YS10NS5-MA3ST	19-AB0470-JTX	RES SMD 47 OHM 1/10W +/-5%0603	R427
T8-YS10NS5-MA3ST	19-AB0470-JTX	RES SMD 47 OHM 1/10W +/-5%0603	R541
T8-YS10NS5-MA3ST	19-AB0470-JTX	RES SMD 47 OHM 1/10W +/-5%0603	R504
T8-YS10NS5-MA3ST	19-AB0470-JTX	RES SMD 47 OHM 1/10W +/-5%0603	R550
T8-YS10NS5-MA3ST	19-AB0470-JTX	RES SMD 47 OHM 1/10W +/-5%0603	R425
T8-YS10NS5-MA3ST	19-AB0470-JTX	RES SMD 47 OHM 1/10W +/-5%0603	R543
T8-YS10NS5-MA3ST	19-AB0470-JTX	RES SMD 47 OHM 1/10W +/-5%0603	R548
T8-YS10NS5-MA3ST	19-AB0470-JTX	RES SMD 47 OHM 1/10W +/-5%0603	R503
T8-YS10NS5-MA3ST	19-AB0470-JTX	RES SMD 47 OHM 1/10W +/-5%0603	R428
T8-YS10NS5-MA3ST	19-AB0470-JTX	RES SMD 47 OHM 1/10W +/-5%0603	R502
T8-YS10NS5-MA3ST	19-AB0471-JTX	SMD. RES 470 OHM 1/10W +/-5%	R841
T8-YS10NS5-MA3ST	19-AB0471-JTX	SMD. RES 470 OHM 1/10W +/-5%	R426
T8-YS10NS5-MA3ST	19-AB0471-JTX	SMD. RES 470 OHM 1/10W +/-5%	R501
T8-YS10NS5-MA3ST	19-AB0472-JTX	RES SMD 4.7K OHM 1/10W 0603	R220
T8-YS10NS5-MA3ST	19-AB0472-JTX	RES SMD 4.7K OHM 1/10W 0603	R826
T8-YS10NS5-MA3ST	19-AB0472-JTX	RES SMD 4.7K OHM 1/10W 0603	R328
T8-YS10NS5-MA3ST	19-AB0472-JTX	RES SMD 4.7K OHM 1/10W 0603	R204
T8-YS10NS5-MA3ST	19-AB0472-JTX	RES SMD 4.7K OHM 1/10W 0603	R263
T8-YS10NS5-MA3ST	19-AB0472-JTX	RES SMD 4.7K OHM 1/10W 0603	R264
T8-YS10NS5-MA3ST	19-AB0473-JTX	SMD. RES 47K OHM 1/10W 0603	R156
T8-YS10NS5-MA3ST	19-AB0473-JTX	SMD. RES 47K OHM 1/10W 0603	R233
T8-YS10NS5-MA3ST	19-AB0473-JTX	SMD. RES 47K OHM 1/10W 0603	R540
T8-YS10NS5-MA3ST	19-AB0473-JTX	SMD. RES 47K OHM 1/10W 0603	R546
T8-YS10NS5-MA3ST	19-AB0473-JTX	SMD. RES 47K OHM 1/10W 0603	R510
T8-YS10NS5-MA3ST	19-AB0473-JTX	SMD. RES 47K OHM 1/10W 0603	R511
T8-YS10NS5-MA3ST	19-AB0473-JTX	SMD. RES 47K OHM 1/10W 0603	R539
T8-YS10NS5-MA3ST	19-AB0473-JTX	SMD. RES 47K OHM 1/10W 0603	R813
T8-YS10NS5-MA3ST	19-AB0473-JTX	SMD. RES 47K OHM 1/10W 0603	R547
T8-YS10NS5-MA3ST	19-AB0512-JTX	R-SMD 5K10HM 5% 1/10W 0603 -	R151
T8-YS10NS5-MA3ST	19-AB0560-JTX	SMD. RES 56 OHM 1/10W 0603	R110
T8-YS10NS5-MA3ST	19-AB0681-FTX	SMD. RES 680 OHM 1/10W +/-1%	R823
T8-YS10NS5-MA3ST	19-AB0681-JTX	SMD. RES. 680 OHM 1/10W 0603	R112
T8-YS10NS5-MA3ST	19-AB0682-JTX	RES SMD 6.8K OHM 1/10W 0603	R109
T8-YS10NS5-MA3ST	19-AB0750-JTX	SMD. RES 75 OHM 1/10W 0603	R507
T8-YS10NS5-MA3ST	19-AB0750-JTX	SMD. RES 75 OHM 1/10W 0603	R430
T8-YS10NS5-MA3ST	19-AB0750-JTX	SMD. RES 75 OHM 1/10W 0603	R429
T8-YS10NS5-MA3ST	19-AB0750-JTX	SMD. RES 75 OHM 1/10W 0603	R505
T8-YS10NS5-MA3ST	19-AB0750-JTX	SMD. RES 75 OHM 1/10W 0603	R431
T8-YS10NS5-MA3ST	19-AB0750-JTX	SMD. RES 75 OHM 1/10W 0603	R506
T8-YS10NS5-MA3ST	19-AB0750-JTX	SMD. RES 75 OHM 1/10W 0603	R586
T8-YS10NS5-MA3ST	19-AB0750-JTX	SMD. RES 75 OHM 1/10W 0603	R549
T8-YS10NS5-MA3ST	19-AB0750-JTX	SMD. RES 75 OHM 1/10W 0603	R542
T8-YS10NS5-MA3ST	19-AB0750-JTX	SMD. RES 75 OHM 1/10W 0603	R524



T8-YS10NS5-MA3ST	19-AB0752-JTX	SMD. RES 7.5K OHM 1/10W +/-5% 0603	R260
T8-YS10NS5-MA3ST	19-AB0822-JTX	R-SMD 8K20HM 5% 1/10W 0603 -	R838
T8-YS10NS5-MA3ST	19-AB0911-JTX	SMD RES. 910 OHM 1/10W +/-5%	R317
T8-YS10NS5-MA3ST	19-BC0000-JTX	SMD. RES 0 OHM 1/8W +/-5%	C631
T8-YS10NS5-MA3ST	19-BC0000-JTX	SMD. RES 0 OHM 1/8W +/-5%	L806
T8-YS10NS5-MA3ST	19-CD0000-JTX	RES. SMD 0 OHM 1206	R812
T8-YS10NS5-MA3ST	19-CD0000-JTX	RES. SMD 0 OHM 1206	R811
T8-YS10NS5-MA3ST	19-CD0000-JTX	RES. SMD 0 OHM 1206	C661
T8-YS10NS5-MA3ST	19-CD0000-JTX	RES. SMD 0 OHM 1206	C660
T8-YS10NS5-MA3ST	19-CD0000-JTX	RES. SMD 0 OHM 1206	R689
T8-YS10NS5-MA3ST	19-CD0000-JTX	RES. SMD 0 OHM 1206	R688
T8-YS10NS5-MA3ST	19-CD0000-JTX	RES. SMD 0 OHM 1206	R632
T8-YS10NS5-MA3ST	19-CD0121-JTX	SMD. RES 120 OHM 1/4W +/-5% 1206	R659
T8-YS10NS5-MA3ST	19-CD0121-JTX	SMD. RES 120 OHM 1/4W +/-5% 1206	R513
T8-YS10NS5-MA3ST	19-CD0121-JTX	SMD. RES 120 OHM 1/4W +/-5% 1206	R561
T8-YS10NS5-MA3ST	19-CD0220-JTX	SMD. RES 22 OHM 1/4W +/-5% 1206	R630
T8-YS10NS5-MA3ST	19-CD0220-JTX	SMD. RES 22 OHM 1/4W +/-5% 1206	R640
T8-YS10NS5-MA3ST	19-CD0221-JTX	SMD. RES 220 OHM 1/4W +/-5% 1206	R528
T8-YS10NS5-MA3ST	19-CD0241-JTX	SMD. RES 240 OHM 1/4W +/-5% 1206	R527
T8-YS10NS5-MA3ST	19-CD0689-JTX	SMD. RES 6.8OHM 1/4W 5%	R633
T8-YS10NS5-MA3ST	19-CD0689-JTX	SMD. RES 6.8OHM 1/4W 5%	R642
T8-YS10NS5-MA3ST	19-CD0689-JTX	SMD. RES 6.8OHM 1/4W 5%	R641
T8-YS10NS5-MA3ST	19-CD0689-JTX	SMD. RES 6.8OHM 1/4W 5%	R634
T8-YS10NS5-MA3ST	19-GA0000-JTX	SMD. RES 0 OHM 1/16W +/-5%	R315
T8-YS10NS5-MA3ST	19-GA0000-JTX	SMD. RES 0 OHM 1/16W +/-5%	R316
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R213
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R214
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R215
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R216
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R229
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R224
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R223
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R222
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R228
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R227
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R226
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R225
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R209
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R212
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R211
T8-YS10NS5-MA3ST	19-GA0100-JTX	SMD. RES 10 OHM 1/16W +/-5%	R210
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R302
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R293
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R303
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R307
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R217
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R306
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R301
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R304
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R311
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R312
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R305
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R313
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R274

T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R218
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R230
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R231
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R273
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R299
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R298
T8-YS10NS5-MA3ST	19-GA0101-JTX	SMD. RES 100 OHM 1/16W +/-5%	R314
T8-YS10NS5-MA3ST	19-GA0102-JTX	SMD. RES 1K OHM 1/16W +/-5%	R300
T8-YS10NS5-MA3ST	19-GA0103-JTX	SMD. RES 10K OHM 1/16W +/-5%	R290
T8-YS10NS5-MA3ST	19-GA0103-JTX	SMD. RES 10K OHM 1/16W +/-5%	R276
T8-YS10NS5-MA3ST	19-GA0103-JTX	SMD. RES 10K OHM 1/16W +/-5%	R321
T8-YS10NS5-MA3ST	19-GA0103-JTX	SMD. RES 10K OHM 1/16W +/-5%	R320
T8-YS10NS5-MA3ST	19-GA0103-JTX	SMD. RES 10K OHM 1/16W +/-5%	R250
T8-YS10NS5-MA3ST	19-GA0103-JTX	SMD. RES 10K OHM 1/16W +/-5%	R249
T8-YS10NS5-MA3ST	19-GA0103-JTX	SMD. RES 10K OHM 1/16W +/-5%	R323
T8-YS10NS5-MA3ST	19-GA0103-JTX	SMD. RES 10K OHM 1/16W +/-5%	R322
T8-YS10NS5-MA3ST	19-GA0151-FTX	SMD. RES 150 OHM 1/16W +/-1%	R337
T8-YS10NS5-MA3ST	19-GA0220-JTX	SMD. RES 22 OHM 1/16W +/-5%	R309
T8-YS10NS5-MA3ST	19-GA0220-JTX	SMD. RES 22 OHM 1/16W +/-5%	R310
T8-YS10NS5-MA3ST	19-GA0220-JTX	SMD. RES 22 OHM 1/16W +/-5%	R308
T8-YS10NS5-MA3ST	19-GA0221-JTX	SMD. RES 220 OHM 1/16W +/-5%	R294
T8-YS10NS5-MA3ST	19-GA0333-JTX	SMD. RES 33K OHM 1/16W +/-5%	R277
T8-YS10NS5-MA3ST	19-GA0471-JTX	SMD. RES 470 OHM 1/16W +/-5%	R271
T8-YS10NS5-MA3ST	19-GA0472-JTX	SMD. RES 4.7K OHM 1/16W +/-5%	R296
T8-YS10NS5-MA3ST	19-GA0472-JTX	SMD. RES 4.7K OHM 1/16W +/-5%	R295
T8-YS10NS5-MA3ST	19-GA0479-JTX	0402 CHIP RESISTORS 1/16W 4.7 OHM $\pm$ 5%	R319
T8-YS10NS5-MA3ST	19-GA0479-JTX	0402 CHIP RESISTORS 1/16W 4.7 OHM $\pm$ 5%	R318
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L222
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L221
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L216
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L219
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L218
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L217
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L223
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L220
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L214
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L215
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L213
T8-YS10NS5-MA3ST	23-D04330-JBX	NETWORK RES. 33R	L224
T8-YS10NS5-MA3ST	23-D08101-JBX	R-ARRAY 100OHM 5% 1005 1/16W 0402	RP209
T8-YS10NS5-MA3ST	23-D08101-JBX	R-ARRAY 100OHM 5% 1005 1/16W 0402	RP207
T8-YS10NS5-MA3ST	23-D08101-JBX	R-ARRAY 100OHM 5% 1005 1/16W 0402	RP206
T8-YS10NS5-MA3ST	23-D08101-JBX	R-ARRAY 100OHM 5% 1005 1/16W 0402	RP208
T8-YS10NS5-MA3ST	23-D08101-JBX	R-ARRAY 100OHM 5% 1005 1/16W 0402	RP202
T8-YS10NS5-MA3ST	23-D08220-JBX	NETWORK RES. 22 OHM 1/16W +/-5%	RP205
T8-YS10NS5-MA3ST	23-D08220-JBX	NETWORK RES. 22 OHM 1/16W +/-5%	RP204
T8-YS10NS5-MA3ST	23-D08220-JBX	NETWORK RES. 22 OHM 1/16W +/-5%	RP203
T8-YS10NS5-MA3ST	23-D08330-JBX	NETWORK RES. 33 OHM +/-5%	RP201
T8-YS10NS5-MA3ST	23-D08330-JBX	NETWORK RES. 33 OHM +/-5%	RP210
T8-YS10NS5-MA3ST	28-AA0104-ZFX	CAP. CER, SMD 100N0F 10V DCV 0603 --	C541
T8-YS10NS5-MA3ST	28-AA0104-ZFX	CAP. CER, SMD 100N0F 10V DCV 0603 --	C542
T8-YS10NS5-MA3ST	28-AA0105-ZFX	CAP. CER, SMD 1UF 10.0V 0603 - +80/-20% R=	C106
T8-YS10NS5-MA3ST	28-AA0225-ZFX	CAP. CER, SMD 2U2F 10V DCV 0603 -	C545
T8-YS10NS5-MA3ST	28-AA0225-ZFX	CAP. CER, SMD 2U2F 10V DCV 0603 -	C533

[illegible]

T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C641
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C119
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C121
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C642
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C618
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C605
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C610
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C625
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C559
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C652
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C619
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C643
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C614
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C523
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C612
T8-YS10NS5-MA3ST	28-AB0104-ZFX	CAP. CER, SMD 100NOF 50V DCV 0603 -	C409
T8-YS10NS5-MA3ST	28-AB0201-JCX	CAP. CER, SMD 200POF 50V DCV 0603 -	C115
T8-YS10NS5-MA3ST	28-AB0220-JCX	CAP. CER, SMD 22PF 50.0V 0603 - +/-5% R=Y	C501
T8-YS10NS5-MA3ST	28-AB0220-JCX	CAP. CER, SMD 22PF 50.0V 0603 - +/-5% R=Y	C502
T8-YS10NS5-MA3ST	28-AB0220-JCX	CAP. CER, SMD 22PF 50.0V 0603 - +/-5% R=Y	C503
T8-YS10NS5-MA3ST	28-AB0221-KBX	CAP. CER, SMD 220PF 50V 0603 -	C519
T8-YS10NS5-MA3ST	28-AB0221-KBX	CAP. CER, SMD 220PF 50V 0603 -	C513
T8-YS10NS5-MA3ST	28-AB0221-KBX	CAP. CER, SMD 220PF 50V 0603 -	C512
T8-YS10NS5-MA3ST	28-AB0221-KBX	CAP. CER, SMD 220PF 50V 0603 -	C518
T8-YS10NS5-MA3ST	28-AB0270-JCX	SMD. CAP 27 PF 50V +/-5% 0603	C205
T8-YS10NS5-MA3ST	28-AB0270-JCX	SMD. CAP 27 PF 50V +/-5% 0603	C204
T8-YS10NS5-MA3ST	28-AB0331-JCX	CAP. CER, SMD 330PF 50.0V 0603 - +/-5% R=Y	C639
T8-YS10NS5-MA3ST	28-AB0331-JCX	CAP. CER, SMD 330PF 50.0V 0603 - +/-5% R=Y	C623
T8-YS10NS5-MA3ST	28-AB0332-KBX	CAP. CER, SMD 3N3F 50.0V 0603 -	C531
T8-YS10NS5-MA3ST	28-AB0332-KBX	CAP. CER, SMD 3N3F 50.0V 0603 -	C530
T8-YS10NS5-MA3ST	28-AB0470-JCX	CAP. SMD 47PF 50V +/-5% 0603	C538
T8-YS10NS5-MA3ST	28-AB0472-KBX	CAP. CER, SMD 4N7F 50.0V 0603 - +/-10% R=Y	C665
T8-YS10NS5-MA3ST	28-AB0472-KBX	CAP. CER, SMD 4N7F 50.0V 0603 - +/-10% R=Y	C662
T8-YS10NS5-MA3ST	28-AB0472-KBX	CAP. CER, SMD 4N7F 50.0V 0603 - +/-10% R=Y	C526
T8-YS10NS5-MA3ST	28-AB0472-KBX	CAP. CER, SMD 4N7F 50.0V 0603 - +/-10% R=Y	C546
T8-YS10NS5-MA3ST	28-AB0472-KBX	CAP. CER, SMD 4N7F 50.0V 0603 - +/-10% R=Y	C607
T8-YS10NS5-MA3ST	28-AB0472-KBX	CAP. CER, SMD 4N7F 50.0V 0603 - +/-10% R=Y	C116
T8-YS10NS5-MA3ST	28-AB0561-JCX	CAP. CER, SMD 560POF 50.0V 0603 -	C118
T8-YS10NS5-MA3ST	28-AB0681-JCX	CAP. CER, SMD 680POF 50.0V 0603 -	C608
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C840
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C811
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C825
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C861
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C859
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C863
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C823
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C805
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C536
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C534
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C250
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C101
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C105
T8-YS10NS5-MA3ST	28-AC0104-ZFX	SMD. CAP 16VDC/100NF/+80%/-20%	C242
T8-YS10NS5-MA3ST	28-AC0105-ZFX	SMD. CAP 1 UF 16VDC +80%/-20%	C226



T8-YS10NS5-MA3ST	28-AC0105-ZFX	SMD. CAP 1 UF 16VDC +80%/-20%	C802
T8-YS10NS5-MA3ST	28-AD0103-ZFX	SMD. CAP 0.01 UF 25V +80/-20%	C808
T8-YS10NS5-MA3ST	28-AD0561-JCX	SMD. CAP. 560PF 25V +/-5%	C504
T8-YS10NS5-MA3ST	28-AD0561-JCX	SMD. CAP. 560PF 25V +/-5%	C505
T8-YS10NS5-MA3ST	28-AD0561-JCX	SMD. CAP. 560PF 25V +/-5%	C515
T8-YS10NS5-MA3ST	28-AD0561-JCX	SMD. CAP. 560PF 25V +/-5%	C514
T8-YS10NS5-MA3ST	28-AD0561-JCX	SMD. CAP. 560PF 25V +/-5%	C508
T8-YS10NS5-MA3ST	28-AD0561-JCX	SMD. CAP. 560PF 25V +/-5%	C509
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C262
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C264
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C268
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C232
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C231
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C230
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C270
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C510
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C272
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C229
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C248
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C511
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C506
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C507
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C517
T8-YS10NS5-MA3ST	28-AF0225-KBX	SMD. CAP 6.3VDC/2.2UF/+/-10%	C516
T8-YS10NS5-MA3ST	28-BA0106-KBX	CAP. CER, SMD 10U0F 10V DCV 0805 -	C655
T8-YS10NS5-MA3ST	28-BA0106-KBX	CAP. CER, SMD 10U0F 10V DCV 0805 -	C524
T8-YS10NS5-MA3ST	28-BA0106-ZFX	CAP. CER, SMD 10U0F 10V DCV 0805 -	C529
T8-YS10NS5-MA3ST	28-BA0106-ZFX	CAP. CER, SMD 10U0F 10V DCV 0805 -	C810
T8-YS10NS5-MA3ST	28-BA0106-ZFX	CAP. CER, SMD 10U0F 10V DCV 0805 -	C261
T8-YS10NS5-MA3ST	28-BA0106-ZFX	CAP. CER, SMD 10U0F 10V DCV 0805 -	C609
T8-YS10NS5-MA3ST	28-BA0106-ZFX	CAP. CER, SMD 10U0F 10V DCV 0805 -	C537
T8-YS10NS5-MA3ST	28-BA0106-ZFX	CAP. CER, SMD 10U0F 10V DCV 0805 -	C528
T8-YS10NS5-MA3ST	28-BA0106-ZFX	CAP. CER, SMD 10U0F 10V DCV 0805 -	C613
T8-YS10NS5-MA3ST	28-BA0225-KBX	CAP. CER, SMD 2.2UF 10V 0805 C2012C0G1AXXX	C850
T8-YS10NS5-MA3ST	28-BA0225-KBX	CAP. CER, SMD 2.2UF 10V 0805 C2012C0G1AXXX	C853
T8-YS10NS5-MA3ST	28-BA0225-KBX	CAP. CER, SMD 2.2UF 10V 0805 C2012C0G1AXXX	C860
T8-YS10NS5-MA3ST	28-BA0225-KBX	CAP. CER, SMD 2.2UF 10V 0805 C2012C0G1AXXX	C143
T8-YS10NS5-MA3ST	28-BA0225-KBX	CAP. CER, SMD 2.2UF 10V 0805 C2012C0G1AXXX	C824
T8-YS10NS5-MA3ST	28-BA0225-KBX	CAP. CER, SMD 2.2UF 10V 0805 C2012C0G1AXXX	C839
T8-YS10NS5-MA3ST	28-BA0475-KBX	CAP. CER, SMD 4U7F 10V DCV 0805 188605656	C535
T8-YS10NS5-MA3ST	28-BB0474-ZFX	CAP. CER, SMD 470N0F 50V DCV 0805 -	C644
T8-YS10NS5-MA3ST	28-BB0474-ZFX	CAP. CER, SMD 470N0F 50V DCV 0805 -	C627
T8-YS10NS5-MA3ST	28-BC0104-KBX	SMD. CAP 100NF 16VDC +/-10% 0805	C611
T8-YS10NS5-MA3ST	28-BC0105-ZF4	SMD. CAP 1 UF 16VDC +80/-20% 0805	C803
T8-YS10NS5-MA3ST	28-BC0105-ZFX	SMD. CAP 1 UF 16VDC +80/-20% 0805	C803
T8-YS10NS5-MA3ST	28-BC0225-ZFX	CAP. CER, SMD 2U2F 16.0V 0805 -	C822
T8-YS10NS5-MA3ST	28-BC0225-ZFX	CAP. CER, SMD 2U2F 16.0V 0805 -	C252
T8-YS10NS5-MA3ST	28-BC0225-ZFX	CAP. CER, SMD 2U2F 16.0V 0805 -	C145
T8-YS10NS5-MA3ST	28-BC0225-ZFX	CAP. CER, SMD 2U2F 16.0V 0805 -	C202
T8-YS10NS5-MA3ST	28-BC0225-ZFX	CAP. CER, SMD 2U2F 16.0V 0805 -	C108
T8-YS10NS5-MA3ST	28-BC0475-ZFX	CAP. CER, SMD 4U7F 16V DCV 0805 -	C806
T8-YS10NS5-MA3ST	28-BC0475-ZFX	CAP. CER, SMD 4U7F 16V DCV 0805 -	C225
T8-YS10NS5-MA3ST	28-BC0475-ZFX	CAP. CER, SMD 4U7F 16V DCV 0805 -	C144
T8-YS10NS5-MA3ST	28-BD0105-ZFX	CAP. CER, SMD 1U0F 25V DCV 0805 -	C617

[illegible]



T8-YS10NS5-MA3ST	28-HC0104-ZFX	CAP. CER, SMD 100N0F 16V DCV 0402 -	C306
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C222
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C224
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C325
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C223
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C210
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C212
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C213
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C221
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C216
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C218
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C219
T8-YS10NS5-MA3ST	28-HC0473-ZFX	CAP. CER, SMD 47NF 16V 0402 -	C220
T8-YS10NS5-MA3ST	33-ELN221-NTA	CHIP BEAD MPZ2012S221A	L609
T8-YS10NS5-MA3ST	33-ELN221-NTA	CHIP BEAD MPZ2012S221A	L610
T8-YS10NS5-MA3ST	33-ELN221-NTX	CHIP BEAD 220 OHM +/-25%	L502
T8-YS10NS5-MA3ST	33-ELN300-NTX	CHIP BEAD 30 OHM +/-25%	L814
T8-YS10NS5-MA3ST	33-ELN300-NTX	CHIP BEAD 30 OHM +/-25%	L816
T8-YS10NS5-MA3ST	33-GLN300-NTX	CHIP BEAD 30 OHM +/-25%	L212
T8-YS10NS5-MA3ST	33-GLN300-NTX	CHIP BEAD 30 OHM +/-25%	L807
T8-YS10NS5-MA3ST	33-GLN300-NTX	CHIP BEAD 30 OHM +/-25%	L211
T8-YS10NS5-MA3ST	33-GLN300-NTX	CHIP BEAD 30 OHM +/-25%	L811
T8-YS10NS5-MA3ST	33-GLN300-NTX	CHIP BEAD 30 OHM +/-25%	L801
T8-YS10NS5-MA3ST	33-GLN300-NTX	CHIP BEAD 30 OHM +/-25%	L809
T8-YS10NS5-MA3ST	33-GLN300-NTX	CHIP BEAD 30 OHM +/-25%	L819
T8-YS10NS5-MA3ST	33-GLN300-NTX	CHIP BEAD 30 OHM +/-25%	L818
T8-YS10NS5-MA3ST	33-GLN601-NTX	CHIP BEAD 600 OHM +/-25%	L101
T8-YS10NS5-MA3ST	33-GLN601-NTX	CHIP BEAD 600 OHM +/-25%	L107
T8-YS10NS5-MA3ST	33-KLL229-KTX	IND-SMD 1.150HM 35 15MA 0603 /	L505
T8-YS10NS5-MA3ST	33-KLL229-KTX	IND-SMD 1.150HM 35 15MA 0603 /	L504
T8-YS10NS5-MA3ST	33-KLL339-KTX	FXDIND SM 06033U3 PM10 COL R	L203
T8-YS10NS5-MA3ST	33-KLL828-KTX	IND-SMD 0.82UH +/-10% 1608 R=Y	L103
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L208
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L503
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L601
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L602
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L210
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L225
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L207
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L205
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L206
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L127
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L202
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	R205
T8-YS10NS5-MA3ST	33-KLN121-NTX	CHIP BEAD 120 OHM +/-25%	L209
T8-YS10NS5-MA3ST	33-KLN300-NTX	CHIP BEAD 30 OHM	L226
T8-YS10NS5-MA3ST	33-KLN300-NTX	CHIP BEAD 30 OHM	L810
T8-YS10NS5-MA3ST	33-NLL220-MTX	IND-SMD 0.10HM 40 1.7A SMD VLC6045T	L605
T8-YS10NS5-MA3ST	33-NLL220-MTX	IND-SMD 0.10HM 40 1.7A SMD VLC6045T	L603
T8-YS10NS5-MA3ST	33-NLL220-MTX	IND-SMD 0.10HM 40 1.7A SMD VLC6045T	L604
T8-YS10NS5-MA3ST	33-NLL220-MTX	IND-SMD 0.10HM 40 1.7A SMD VLC6045T	L606
T8-YS10NS5-MA3ST	47-HDI006-XS1	SOCKET HDMI ST N DCIR019WBER220	P401
T8-YS10NS5-MA3ST	47-HDI006-XS1	SOCKET HDMI ST N DCIR019WBER220	P402
T8-YS10NS5-MA3ST	47-HDI008-XS1	SOCKET HDMI R N E110001-72	P402



T8-YS10NS5-MA3ST	47-HDI008-XS1	SOCKET HDMI R N E110001-72	P401
T8-YS10NS5-MA3ST	22-00EZAE-G2AS	VDR 30V 1A N EZAEG2A	RV435
T8-YS10NS5-MA3ST	22-00EZAE-G2AS	VDR 30V 1A N EZAEG2A	RV434
T8-YS10NS5-MA3ST	19-CD0000-JTX	RES.SMD 0 OHM 1206	R805
T8-YS10NS5-MA3ST	19-CD0000-JTX	RES.SMD 0 OHM 1206	R806
T8-YS10NS5-MA3ST	28-HB0102-KBX	CAP.CER,SMD 1N0F 50V DCV 0402 -	C328
T8-YS10NS5-MA3ST	13-STA333-BWB	IC STA333BW	U601
T8-YS10NS5-MA3	90-EF8000-ZH1	SUNDRIES-FLUX CHANGED TO 90-EF8000-ZH1 R	
H4-YS10SS6-AG61	T8-YS10NS5-PA8	ASS'Y - PACKINGASY	
T8-YS10NS5-PA8	51-DC0180-12R0FG	POWER CORD 1800MM Y GL0804191	
T8-YS10NS5-PA8	T8-YS10NS5-PA8Z	ASS'Y - PACKING(ART)ASY	
T8-YS10NS5-PA8Z	58-845120-OUI1C	TV PRI OVERLAY PLATE MODEL NO R=N	电源输入贴片
T8-YS10NS5-PA8Z	58-L24SMP-JKL1A	PRI OVERLAY L24S10F -- 00 R=Y	后警告贴片
T8-YS10NS5-PA8Z	74-022032-5WEEM	DEC BAG -- R=Y	
T8-YS10NS5-PA8Z	74-080060-50HEM	DEC BAG -- R=Y	
T8-YS10NS5-PA8Z	70-24P10F-ADD1A	TV PRI ADDENDUM SHEET BASE ATTACHMENT R=	
T8-YS10NS5-PA8Z	76-892830-OAT	RAW CARTON-BOX L24P10 700MM 479MM X 147	
T8-YS10NS5-PA8Z	72-LMS19C-EEM1B	IB MS19C-LA TCL R=Y	
T8-YS10NS5-PA8	75-892790-EC1	RAW POLYFOAM UL 00 01 R=Y	
T8-YS10NS5-PA8	75-892800-EC1	RAW POLYFOAM UR 00 01 R=Y	
T8-YS10NS5-PA8	75-892810-EC1	RAW POLYFOAM LL 01 00 R=Y	
T8-YS10NS5-PA8	75-892820-EC1	RAW POLYFOAM LR 01 00 R=Y	
T8-YS10NS5-PA8	74-004006-12CR	POLYBAG	
T8-YS10NS5-PA8	63-B4020T-BF5G	SCREW-ST 4MM 20MM ISO R=Y	
H4-YS10SS6-AG61	T8-YS10NS5-RC1	ASS'Y - REAR CABINETASY	
T8-YS10NS5-RC1	63-B3008T-BF5G	SCREW-ST 3MM 8MM ISO 19 R=Y	MTG SAV BRACKET & REAR C
T8-YS10NS5-RC1	63-B3010T-BF5G	SCREW-ST 3MM 10MM ISO 19 R=Y	MTG POWER SOCKET & REAR
T8-YS10NS5-RC1	63-B3012T-BF5G	SCREW-ST 3MM 12MM ISO 19 R=Y	MTG CHASSIS BOARD & REAR
T8-YS10NS5-RC1	63-B4012T-BF5G	SCREW-ST 4MM 12MM ISO 19 R=Y	MTG STAND BOARD & REAR C
T8-YS10NS5-RC1	67-M84451-0E0	TV RAW HOLDER METAL BOARD -- 00 00 R=N	MTG TO REAR CABINET
T8-YS10NS5-RC1	89-604791-JZ5	SUNDRIES-FILM 500MM SELF ADHESIVE FILM R	ADHERE TO BC
T8-YS10NS5-RC1	T8-YS10NS5-RC1Z	ASS'Y - REAR CABINET(ART)ASY	
T8-YS10NS5-RC1Z	58-865660-8UI1A	PRI OVERLAY REAR AV -- 02 -- 00 R=Y	
T8-YS10NS5-RC1Z	58-865670-6UI1A	PRI OVERLAY SIDE AV -- 02 -- 00 R=Y	
T8-YS10NS5-RC1Z	55-881560-OHZ1A	PRI BACKCOVER 24V10 -- OHZ 00 00 R=N	
T8-YS10NS5-RC1Z	56-858090-OHZ6R	DEC BRACKET POWER CABLE OHZ 00 00 R=N	MTG TO REAR CABINET
T8-YS10NS5-RC1Z	56-877870-OHZ6R	PRI COVER STAND -- OHZ 00 00 R=N	
T8-YS10NS5-RC1Z	56-861820-OHZ6L	PRI SUPPORT SIDE AV OHZ 00 00 R=N	
T8-YS10NS5-RC1	89-241960-RR0U	3M HOT MELT ADHESIVES 25KG/BOX 705	
T8-YS10NS5-RC1	63-B4015T-BF5G	SCREW-ST 4MM 15MM ISO 19 R=Y	MTG FRONT CABINET & REAR
T8-YS10NS5-RC1	63-B4015T-BF5G	SCREW-ST 4MM 15MM ISO 19 R=Y	MTG FRONT CABINET & RC.(
H4-YS10SS6-AG61	T8-YS10NS5-LE1	ASS'Y - LED CONTROL BDEQU	
T8-YS10NS5-LE1	40-B3553B-LEC2XG	TV PCB LE BD R=Y	
H4-YS10SS6-AG61	V6-PROJECT-ID002	SOFTWARE PROJECT ID: 02	
H4-YS10SS6-AG61	08-MS19C32-V80001	SOFTWARE ASS'Y - SOFTWARE	
08-MS19C32-V80001	V8-MS19C06-LF1V00	SOFTWARE SOFTWARE CODE	FOR U202
H4-YS10SS6-AG61	T8-YV10NS5-BS1	ASS'Y - BASEASY	
T8-YV10NS5-BS1	T8-YV10NS5-BS1Z	ASS'Y - BASE(ART)ASY	
T8-YV10NS5-BS1Z	55-892560-OHQ1A	PRI STAND L24V10 -- 00 00 00 R=N	
T8-YV10NS5-BS1	59-849080-001	TV RAW CUSHION RUBBER 01 00 00 R=N	FIXING ON BOTTOM OF THE
T8-YV10NS5-BS1	89-604791-JZ0	SUNDRIES-FILM SELF ADHESIVE FILM	ADHERE THE FACE OF THE S
H4-YS10SS6-AG61	T8-24S10FC-SK1	ASS'Y-SKD PACKING(F CAB.)ASY	
T8-24S10FC-SK1	74-080060-5WD1A	POLYBAG (80CMX60CMX0.5MM)	FOR F CAB.
T8-24S10FC-SK1	76-535280-OAA	RAW CARTON SHEET LCD24P10 535MM 280MM X	FOR F CAB

