

JVC

SERVICE MANUAL

INTEGRATED DIGITAL TERRESTRIAL/SATELLITE LCD TELEVISION

LT-42HB1BU/AX



DVB[®]
Digital Video
Broadcasting
HD
TV
1080p
HDMI[™]
HIGH DEFINITION MULTIMEDIA INTERFACE

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Items		Contents
Dimensions (W × H × D) [Without stand]		101.4 cm × 63.55 cm × 27.86 cm [101.4 cm × 64.65 cm × 10.87 cm]
Mass [Without stand]		22.7 kg [21.42 kg]
Power Input		AC220 V - AC240 V, 50 Hz
Power Consumption		170 W (Standby: 0.8 W)
TV RF System	Analog	CCIR (B/G, I, D/K, L)
	Digital	DVB-T / DVB-S
Colour System		PAL, SECAM, NTSC 3.58/4.43 [EXT only]
Stereo System		NICAM (B/G, I, D/K, L), A2 (B/G, D/K)
Receiving Frequency	Analog	VHF: 45.25 MHz - 470MHz UHF: 470 MHz - 855.25 MHz CATV: 116MHz - 172MHz / 220 MHz - 469 MHz
	Digital	Terrestrial: 474 MHz - 858 MHz(UHF), 177.5 MHz - 6.5 MHz (VHF) Satellite: 950 MHz - 2150 MHz
Intermediate Frequency	VIF	38.9 MHz (B/G, I, D/K, L)
	SIF	33.4 MHz (5.5 MHz:B/G) 32.9 MHz (6.0 MHz:I) 32.4 MHz (6.5MHz:D/K)
Colour Sub Carrier Frequency	PAL	4.43MHz
	SECAM	4.40625 MHz / 4.25 MHz
	NTSC	3.58 MHz / 4.43 MHz
Teletext System	Analog	FLOF (Fastext), TOP
	Digital	EBU TEXT
LCD panel		42 V-inch wide aspect (16 : 9)
Screen Size		Diagonal : 107.0 cm (H: 93.0 cm × V:52.32 cm)
Display Pixels		Horizontal : 1920 dots × Vertical : 1080 dots
Audio Power Output		10 W + 10 W
Speaker		4.0 cm × 20.0 cm, oval type × 2
Aerial terminal (VHF/UHF/BS)		75 Ω unbalanced, coaxial × 2
EXT-1 / EXT-2 (Input/Output)		21-pin Euro connector (SCART socket) × 2
EXT-3 (Input)	Component Video	RCA pin jack × 3 750p / 1125i 625p / 525p / 625i / 525i Y: 1 V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75 Ω / Pb/Pr: ±0.35V(p-p), 75 Ω Y: 1 V (p-p), Positive (Negative sync.), 75 Ω / Cb/Cr: 0.7 V(p-p), 75 Ω
	Audio	500 mV(rms) (-4dBs), high impedance, RCA pin jack × 2
EXT-4 (Input)	S-Video	Mini-DIN 4 pin × 1 Y: 1 V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286 V (p-p) (Burst signal), 75 Ω
	Video	1V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1
	Audio	500 mV (rms), High impedance, RCA pin jack × 2
EXT-5 / EXT-6 / EXT-7 (Digital Input)	Video / Audio	HDMI 2-row 19pin connector × 3 (Digital-input terminal is not compatible with picture signals of personal computer) • 576i(625i),576p(625p),480i(525i),480p(525p),720p(750p),1080i(1125i) signals are available. • All HDMI inputs support DVI video but only first HDMI input (EXT-5) supports DVI audio through component audio input (EXT-2 or EXT-3).
PC (RGB) Input	Video	D-sub 15 pin × 1 R/G/B : 0.7 V (p-p), 75Ω HD / VD : 1 V (p-p) to 5 V (p-p), high impedance
	Audio	3.5 mm stereo mini jack × 1
Digital Audio Optical Output		Digital SPDIF × 1
Headphone		3.5 mm stereo mini jack × 1
Remote Control Unit		RM-C2503 (AAA/R03 dry cell battery × 2)

Design & specifications are subject to change without notice.

SECTION 1 PRECAUTION

1.1 SAFETY PRECAUTIONS

- (1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
- (2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
- (3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
- (4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (\perp) side GND, the ISOLATED (NEUTRAL) : ($\frac{\perp}{\text{---}}$) side GND and EARTH : (\oplus) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.
- (5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) Isolation Check (Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

This method of test requires a test equipment not generally found in the service trade.

b) Leakage Current Check

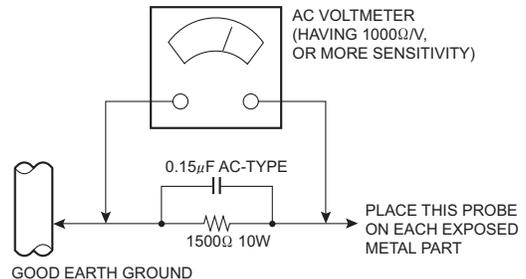
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 Ω per volt or more sensitivity in the following manner. Connect a 1500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.7mA AC (r.m.s.).

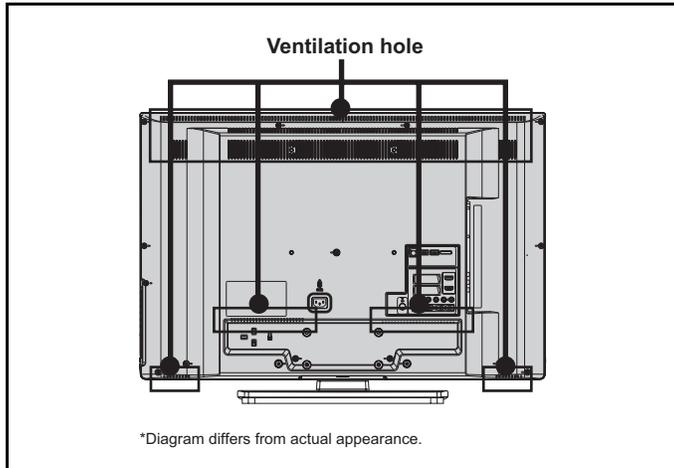
However, in tropical area, this must not exceed 0.35V AC (r.m.s.). This corresponds to 0.3mA AC (r.m.s.).



1.2 INSTALLATION

1.2.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically. Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

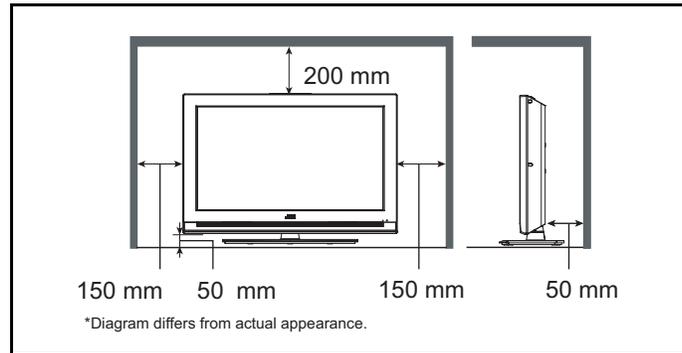


1.2.2 NOTES ON HANDLING

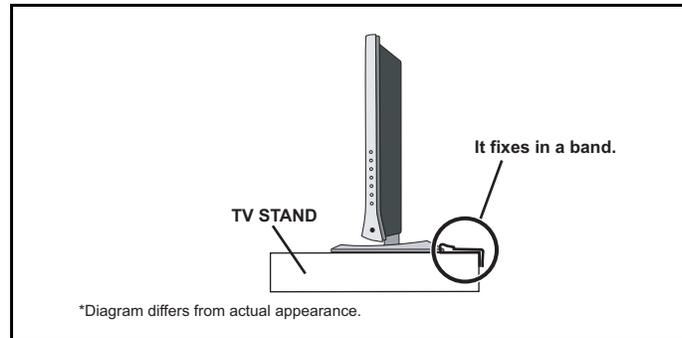
When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

1.2.3 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc. Install the unit on stable flooring or stands.



To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.



1.3 HANDLING LCD PANEL

1.3.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) **USE A SPECIAL PACKING CASE FOR THE LCD PANEL**

When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) **ATTACH PROTECTION SHEET TO THE FRONT**

Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) **AVOID VIBRATIONS AND IMPACTS**

The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) **DO NOT PLACE EQUIPMENT HORIZONTALLY**

Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.3.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and COLOUR.

(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).

(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.

(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.3.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular COLOUR.

(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.

(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

SECTION 2

SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

DIGITAL TUNER

This TV can receive both DVB-T (Digital terrestrial broadcasting), DVB-S(Digital satellite broadcasting), and Analogue terrestrial broadcasting.

HDMI INPUT

By connecting a HDMI compatible device, high definition pictures can be displayed on your TV in their digital form.

PICTURE MODE

This function can adjust the picture settings automatically. There are BRIGHT, STANDARD, SOFT and MANUAL in the PICTURE MODE.

ZOOM

This function can change the screen size according to the picture aspect ratio.

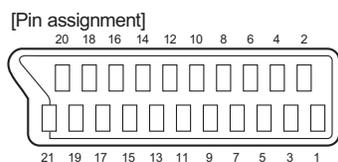
3D CINEMA SURROUND

You can enjoy sounds with a wider ambience.

2.2 21-PIN EURO CONNECTOR (SCART) : EXT-1 / EXT-2

Pin No.	Signal designation	Matching value	EXT-1	EXT-2
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used (R1)	Used (R2)
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
4	AUDIO GND		Used	Used
5	GND (B)		Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used (L1)	Used (L2)
7	B input	700mV _(B-W) , 75Ω	Used	Not used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V High : 8V-12V, High impedance	Used	Used
9	GND (G)		Used	Used
10	SCL		Not used	Used (SCL2)
11	G input	700mV _(B-W) , 75Ω	Used	Not used
12	SDA		Not used	Used (SDA2)
13	GND (R)		Used	Used
14	GND (YS)		Used	Not used
15	R / C input	R : 700mV _(B-W) , 75Ω C : 300mV _(P-P) , 75Ω	Used (R)	Used (C2)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75Ω	Used	Not used
17	GND (VIDEO output)		Used	Used
18	GND (VIDEO input)		Used	Used
19	VIDEO output	1V _(P-P) (Negative sync), 75Ω	Used (TV OUT)	Used (LINE OUT)
20	VIDEO / Y input	1V _(P-P) (Negative sync), 75Ω	Used	Used
21	COMMON GND		Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)



2.3 TECHNICAL INFORMATION

2.3.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.

Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.3.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications
Maximum dimensions (W × H × D)	983.0 mm × 576.0 mm × 52.7 mm
Weight	13.6 kg
Effective screen size	Diagonal : 107.0 cm (H: 93.0 cm × V:52.32 cm)
Aspect ratio	16 : 9
Drive device / system	a-Si-TFT active matrix system
Resolution	Horizontally 1920 × Vertically 1080 × RGB < W-XGA > 6220800 dots in total
Pixel pitch (pixel size)	Horizontally: 0.4845 mm, Vertically: 0.4845 mm
Displayed color	1073.7 million colors 256 colors for R G and B
Brightness	500 cd/m ²
Contrast ratio	5000 : 1
Response time (G to G)	less than 5.5 ms
View angle (Horizontally)	178°
View angle (Vertically)	178°
Surface polarizer	Anti-Glare type Low reflective coat
Color filter	Vertical stripe
Backlight	Cold cathode fluorescent lamp
Power supply voltage in LCD	12 V
Power supply voltage in inverter	24 V
Panel interface system	LVDS (Low Voltage Differential Signaling)

2.3.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

■ BRIGHT FAULT

In this pixel fault, a cell that should not light originally is lighting on and off.

For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

■ DARK FAULT

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.

For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

■ FLICKER FAULT

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.

For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

SECTION 3

DISASSEMBLY

3.1 CAUTION AT DISASSEMBLY

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.
- Be sure to reattach the wire clamps removed during the procedure to the original positions. (Attaching the wire clamps in wrong positions may affect the performance.)

REFERENCE:

When removing each board, remove the connector if necessary. The operation is easier if you write down the connection points (connector numbers) of the connector. For connection of each board, refer to the "WIRING DIAGRAM" of the Standard Circuit Diagram.

3.2 DISASSEMBLY PROCEDURE

3.2.1 REMOVING THE REAR COVER (Fig.3-1)

- (1) Remove the 16 screws [A].
- (2) Remove the REAR COVER.

3.2.2 REMOVING THE POWER UNIT (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 4 screws [B].
 - (2) Remove the POWER UNIT.

3.2.3 REMOVING THE MAIN PWB (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 1 screw [C].
 - (2) Remove the SIDE SHIELD.
 - (3) Remove the 6 screws [D].
 - (4) Remove the MAIN PWB.

3.2.4 REMOVING THE KEY PWB (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 1 screws [E].
 - (2) Remove the CONTROL BASE and KEY PWB together.
 - (3) Remove the 2 screws [F].
 - (4) Remove the KEY PWB from the CONTROL BASE.

3.2.5 REMOVING THE INVERTER PWB (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 6 screws [G].
 - (2) Remove the INVERTER PWB COVER.
 - (3) Remove the INVERTER PWB.

3.2.6 REMOVING THE POWER BRACKET (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 2 screws [H].
 - (2) Remove the POWER BRACKET.

3.2.7 REMOVING THE SPEAKER (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the SPEAKER(x2).

3.2.8 REMOVING BACK BRACKET (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 4 screws [J].
 - (2) Remove the BACK BRACKET.

3.2.9 REMOVING THE IR PWB (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 1 screw [K].
 - (2) Remove the IR PWB.

3.2.10 REMOVING THE STAND (Fig.3-1)

- (1) Remove the 4 screws [L].
- (2) Remove the STAND.

3.2.11 REMOVING THE LCD CONTROL PWB (Fig.3-1)

- Remove the REAR COVER.
- Remove the STAND.
 - (1) Remove the 5 screws [L], 2 screws [M] and 5 screws [N].
 - (2) Remove the MAIN SHIELD.
 - (3) Remove the 6 screws [P].
 - (4) Remove the LCD CONTROL PWB.

3.2.12 REMOVING THE LED PWB (Fig.3-1)

- Remove the REAR COVER.
- Remove the STAND.
- Remove the MAIN SHIELD.
 - (1) Remove the 2 screws [Q] and 2 screws [R].
 - (2) Remove the BOTTOM FRAME.
 - (3) Remove the 2 screws [S].
 - (4) Remove the LED PWB.

3.2.13 REMOVING THE LCD PANEL UNIT (Fig.3-1)

- Remove the REAR COVER.
- Remove the STAND.
- Remove the MAIN SHIELD.
- Remove the BOTTOM FRAME.
- Remove the IR PWB and PANEL BRACKET together.
 - (1) Remove the 3 screws [T].
 - (2) Remove the PANEL BRACKET(x3).
 - (3) Remove the LCD PANEL UNIT.

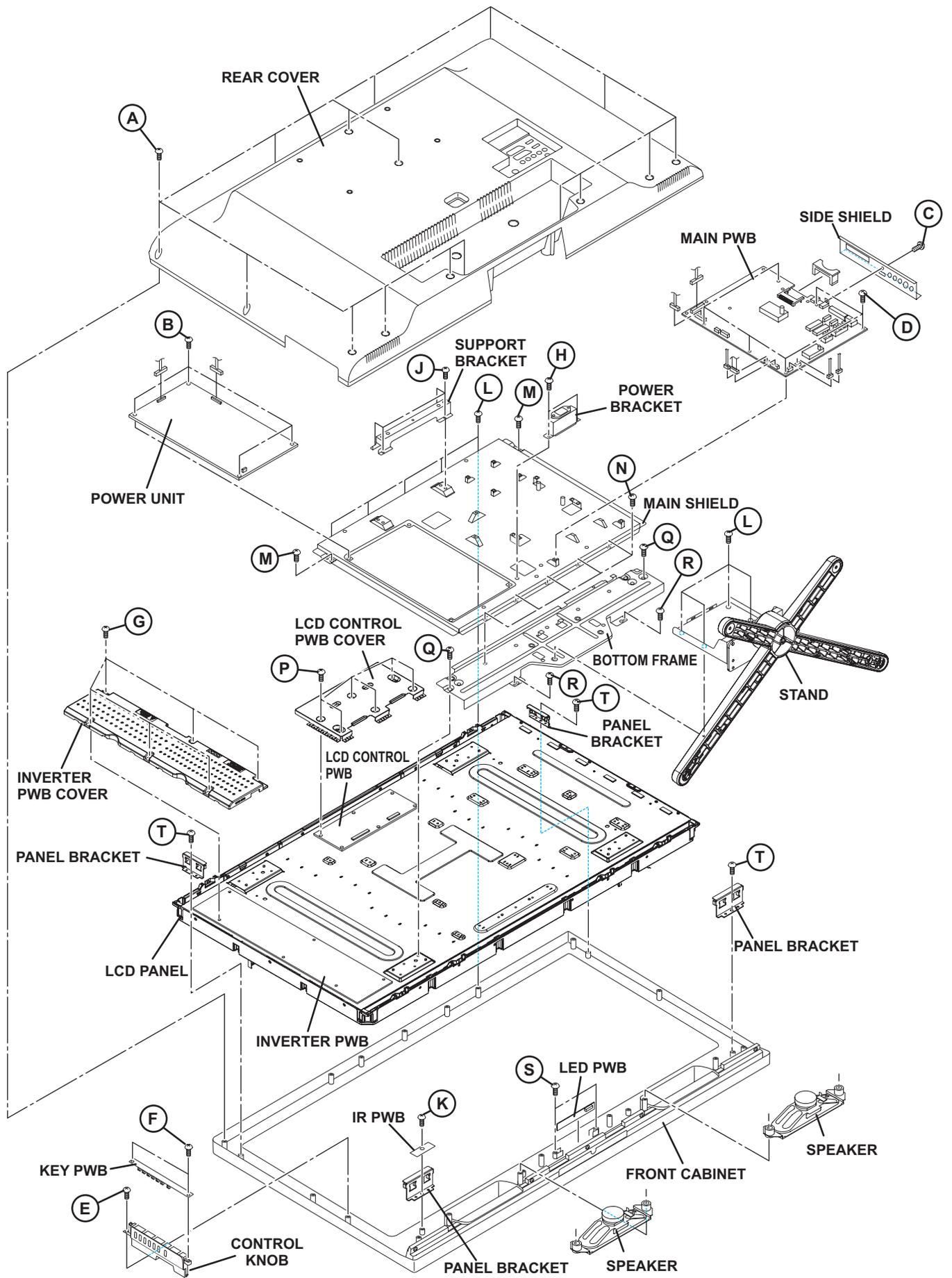


Fig.3-1

3.3 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.3.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off

Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC

Be sure to use the memory IC written with the initial setting values.

3. Power on

Connect the power plug to the AC outlet and switch on the power.

4. Receiving channel setting

Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting

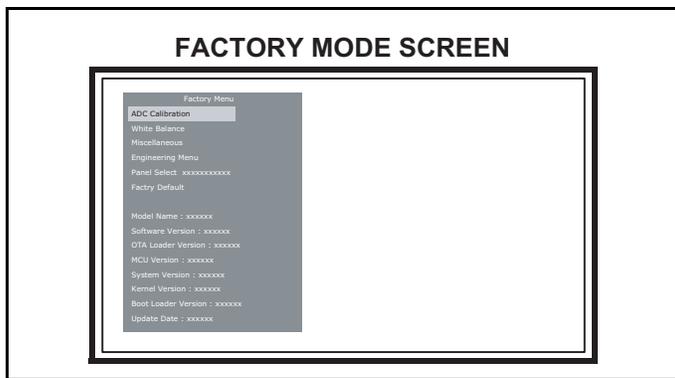
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. FACTORY MODE setting

Verify what to set in the FACTORY MODE, and set whatever is necessary.

3.3.2 FACTORY MODE SETTING

■FACTORY MODE SCREEN



■SETTING ITEM

Setting items	Settings
ADC Calibration	[Do not adjust]
White Balance	Adjust
Miscellaneous	[Do not adjust]
Engineering Menu	[Do not adjust]
Panel Select	[Do not adjust]
Factory Default	---

3.3.3 SETTINGS OF FACTORY SHIPMENT

3.3.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	PR1
VOLUME	10
AV	TV

3.3.3.3 REMOTE CONTROL MENU OPERATION

(1) Picture

Setting item	Setting position
Mode	Bright
Colour Temperature	Cool
Noise Reduction	Low
Fleshtone	Off
24p Cinema	On

(2) Sound

Setting item	Setting position
Bass	0
Treble	0
Balance	0
Auto Volume Control	Off
Digital Audio Output	PCM
3D Cinema surround	Off
TV Speaker	On

(3) Installation

Setting item	Setting item	Setting position
Terrestrial Channel Search	Antenna Power	Off
	Auto Channel Numbering	Enable
Satellite Channel Search	Antenna Type	LNB Only
Software Update		---
Edit Channel List		---
Edit Favourite List		---
Signal Detection		---

3.3.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	PR1
VOLUME	10
ZOOM	AUTO
SUB POWER	OFF

(4) Feature

Setting item	Setting position	
Language Setting	Menu Language	English
	Audio Language	German
	Subtitle Language	German
	Subtitle Display	Auto
	Subtitle Font	Variable
	Audio Description	Off
Time Setting	Date	--/--/20--
	Local Time	--:--
	Sleep Timer	Off
	Power On Timer	Off
	Channel	---
	Volume	20
	Power Off Timer	Off
	Auto Shut Off	Off
Parental Control	Child Lock	Disable
	Maturity Rating	View All
	Change PIN Code	---
PC	---	
Other Settings	Zoom	Auto
	4 : 3 Aspect Setting	Panoramic
	OSD Transparency	30%
	Blue Back	Off
	Power Lamp	On
	Control with HDMI	On
Auto Demonstration	Off	

3.4 REPLACEMENT OF CHIP COMPONENT

3.4.1 CAUTIONS

- (1) Avoid heating for more than 3 seconds.
- (2) Do not rub the electrodes and the resist parts of the pattern.
- (3) When removing a chip part, melt the solder adequately.
- (4) Do not reuse a chip part after removing it.

3.4.2 SOLDERING IRON

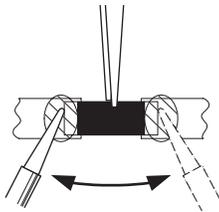
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

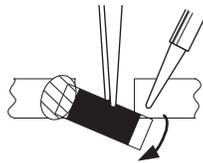
1. How to remove Chip parts

[Resistors, capacitors, etc.]

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

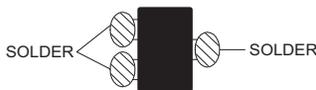


- (2) Shift with the tweezers and remove the chip part.

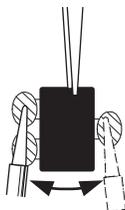


[Transistors, diodes, variable resistors, etc.]

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



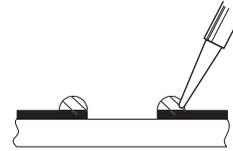
NOTE :

After removing the part, remove remaining solder from the pattern.

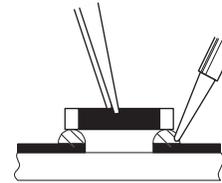
2. How to install Chip parts

[Resistors, capacitors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.

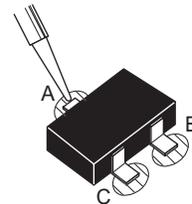


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

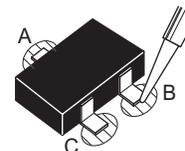


[Transistors, diodes, variable resistors, etc.]

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



SECTION 4 ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

- (1) This TV is adjusted by using REMOTE CONTROL UNIT.
- (2) The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- (3) Make sure that connection is correctly made AC to AC power source.
- (4) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.
- (5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
- (6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings position
Picture Mode	Standard
Colour Temperature	Normal

4.3 MEASURING INSTRUMENT AND FIXTURES

- Signal generator (Pattern generator)[PAL]
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ VIDEO CIRCUIT

- WHITE BALANCE adjustment

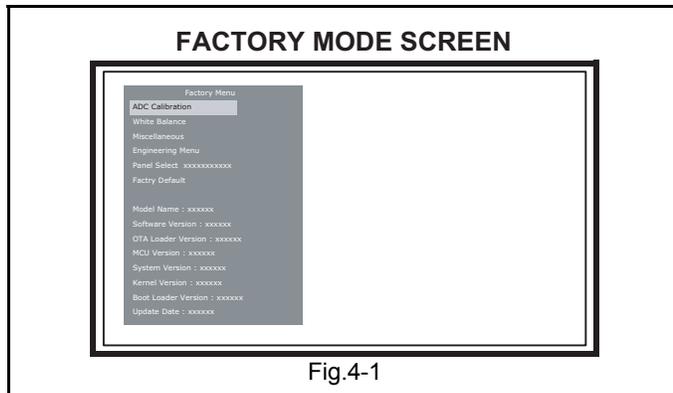
4.5 BASIC OPERATION OF FACTORY MODE

4.5.1 HOW TO ENTER THE FACTORY MODE

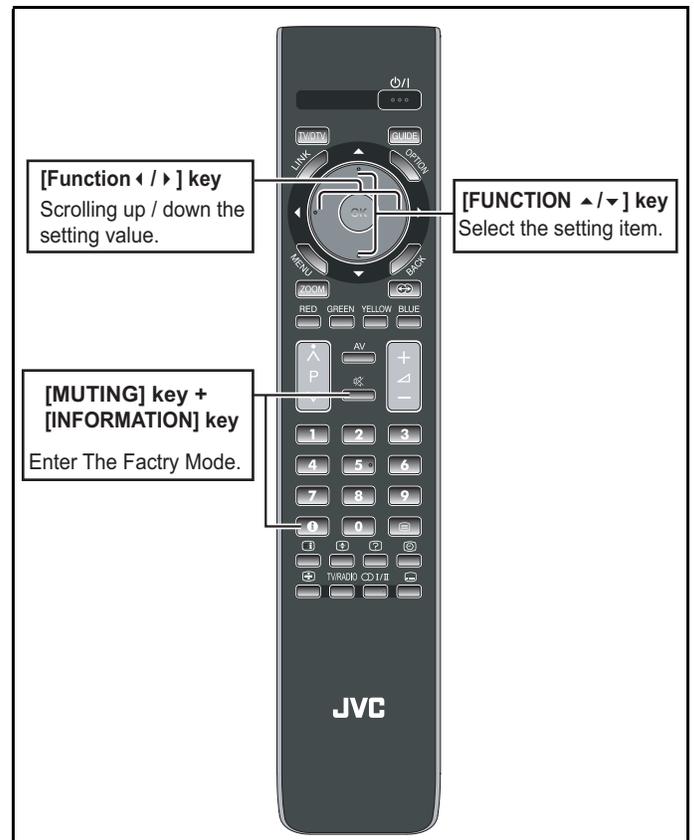
- (1) Press **[INFORMATION]** key and **[MUTING]** key on the remote control unit simultaneously to enter the FACTORY MODE SCREEN. (Fig.4-1)

4.5.2 HOW TO EXIT THE FACTORY MODE

Press the **[OK]** key to exit the factory mode.



4.5.4 FACTORY MODE SELECT KEY LOCATION



4.5.3 CHANGE AND MEMORY OF SETTING VALUE

SELECTION OF SETTING ITEM

- **[FUNCTION ▲ / ▼] key.**
For scrolling up / down the setting items.
- **[FUNCTION ◀ / ▶] key.**
For select the setting items.

CHANGE OF SETTING VALUE (DATA)

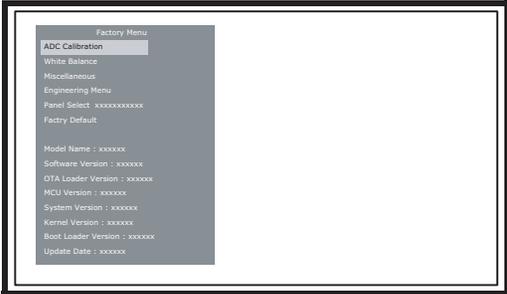
- **[FUNCTION ◀ / ▶] key.**
For scrolling up / down the setting values.

MEMORY OF SETTING VALUE (DATA)

The setting value will be stored automatically when release the REMOTE CONTROL UNIT keys.

4.6 ADJUSTMENT PROCEDURE

4.6.1 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE	Remote control unit Signal generator		[White Balance] Normal R Normal G Normal B	<ol style="list-style-type: none"> (1) Set COLOUR TEMP. to "Normal". (2) Enter the FACTRY MODE. (3) Press [▲] / [▼] key on the remote control unit simultaneously to select the White balance. (4) Press [▶] key on the remote control unit simultaneously to enter White balnce mode. (5) Receive a PAL 75% all white signal. (6) Adjust the setting values of <Normal R>, <Normal G> and <Normal B> so that the screen becomes maximum white. <p>NOTE: When the normal mode is adjusted, other modes (cool/ warm) are automatically adjusted.</p>
<p>FACTORY MODE SCREEN</p>  <p style="text-align: center;">↓</p> <p>WHITE BALANCE MODE</p> 				

SECTION 5 TROUBLESHOOTING

5.1 SOFTWARE UPDATE PROCEDURE

In case of writing the software on the Main PWB that is not contained the software, or in case of the software update is required, please write the software by the following procedure.

5.1.1 REQUIRED EQUIPMENT

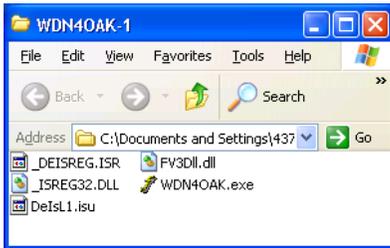
- PC (Equipped with an RS-232C TERMINAL)
- Writing tool (Download the data from JS-net.)
- Program data (Download the data from JS-net.)
- RS-232C JIG cable (Part number: HU-0130200004)
(Female to 3.5mm stereo mini plug cable)

NOTE:

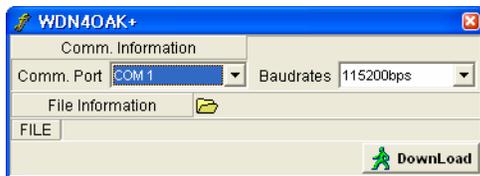
Please confirm SMIS on the JVC Service Information Network or confirm to your local JVC subsidiary / dealer for software version.

5.1.2 PROGRAM DATA WRITING PROCEDURE

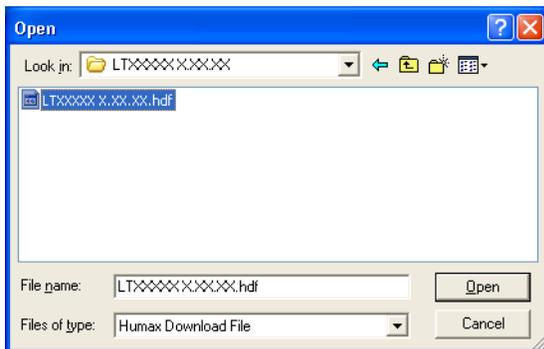
- (7) Turn the power of the main unit OFF.
- (8) Unzip Writing tool into your PC.
These 5 files will be unzipped in the folder.



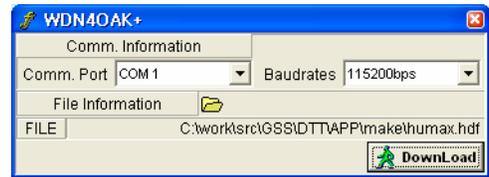
- (9) Unzip Program data into your PC.
- (10) Connect PC and TV (service only port on rear side of your TV) with RS-232C JIG cable.
- (11) Click WDN4OAK.exe. You will see the following program.



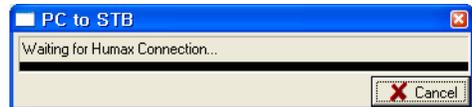
- (12) Select the proper COM port to download Software from your PC. (Default: COM1)
- (13) To select hdf file, click the yellow folder button.
- (14) See the below picture and double click correct hdf file.



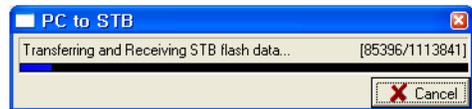
- (15) Click the "DownLoad" button to start downloading.



- (16) You will see the downloading status bar.



- (17) Turn on your TV.



- (18) After you finish the downloading, the status bar will be disappeared.
- (19) During the download, TV will display a downloading status OSD and it will be disappeared when you finish the downloading.
- (20) Unplug the AC power and wait for a few seconds, then plug in to the AC power.
- (21) Go to the Main menu → TV Setting → Feature → System Status. You can check the Software version before and after the downloading.



Victor Company of Japan, Limited
Display Division 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA707<Rev.001>)

Printed in Japan
VSE

JVC

SCHEMATIC DIAGRAMS

INTEGRATED DIGITAL TERRESTRIAL/SATELLITE LCD TELEVISION

LT-42HB1BU_{/AX}

DVD-ROM No.SML2009Q1



DVB[®]
Digital Video
Broadcasting
HD
TV
1080p
HDMI[™]
HIGH-DEFINITION MULTIMEDIA INTERFACE

LT-42HB1BU/AX

STANDARD CIRCUIT DIAGRAM

NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the \triangle symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1)Input signal : Colour bar signal
- (2)Setting positions of each knob/button and variable resistor : Original setting position when shipped
- (3)Internal resistance of tester : DC 20k Ω /V
- (4)Oscilloscope sweeping time : H \Rightarrow 20 μ s / div
: V \Rightarrow 5ms / div
: Others \Rightarrow Sweeping time is specified
- (5)Voltage values : All DC voltage values

* Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209 \rightarrow R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

- No unit : [Ω]
- K : [k Ω]
- M : [M Ω]

● Rated allowable power

- No indication : 1/16 [W]
- Others : As specified

● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflammable resistor
- FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

- 1 or higher : [pF]
- less than 1 : [μ F]

● Withstand voltage

- No indication : DC50[V]
- Others : DC withstand voltage [V]
- AC indicated : AC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [μ F]/withstand voltage[V]

● Type

- No indication : Ceramic capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

(3)Coils

- No unit : [μ H]
- Others : As specified

(4)Power Supply

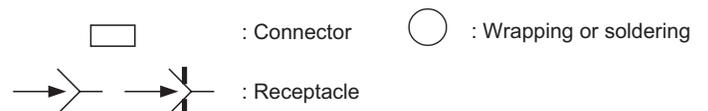


* Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

- \perp : LIVE side ground
- ∇ : ISOLATED(NEUTRAL) side ground
- \equiv : EARTH ground
- ∇ : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE (\perp) side GND and the ISOLATED(NEUTRAL) (∇) side GND. Therefore, care must be taken for the following points.

- (1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

NOTE

◆ Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.

When ordering parts, please use the numbers that appear in the Parts List.

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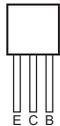
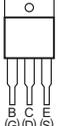
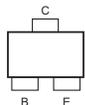
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USING P.W. BOARD

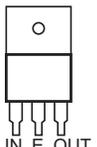
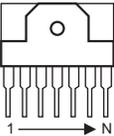
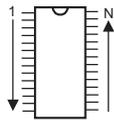
P.W.B ASS' Y name	LT-42HB1BU/AX
MAIN P.W. BOARD	HU-71100006
IR P.W. BOARD	HU-72200004
KEY P.W. BOARD	HU-72200003
LED P.W. BOARD	HU-72200017

SEMICONDUCTOR SHAPES

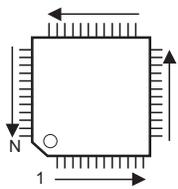
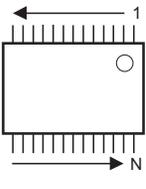
TRANSISTOR

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				CHIP TR 

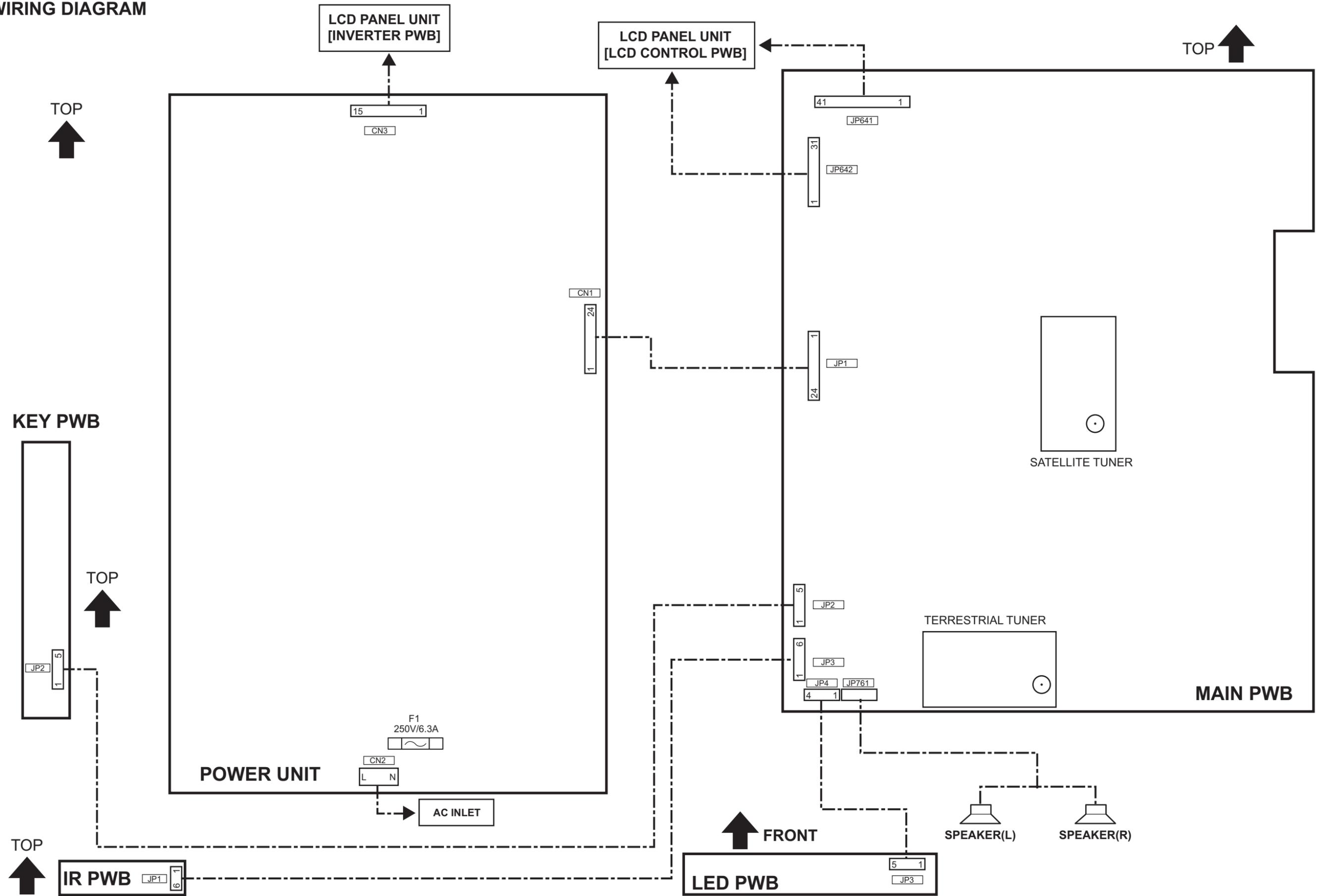
IC

BOTTOM VIEW	FRONT VIEW		TOP VIEW
			

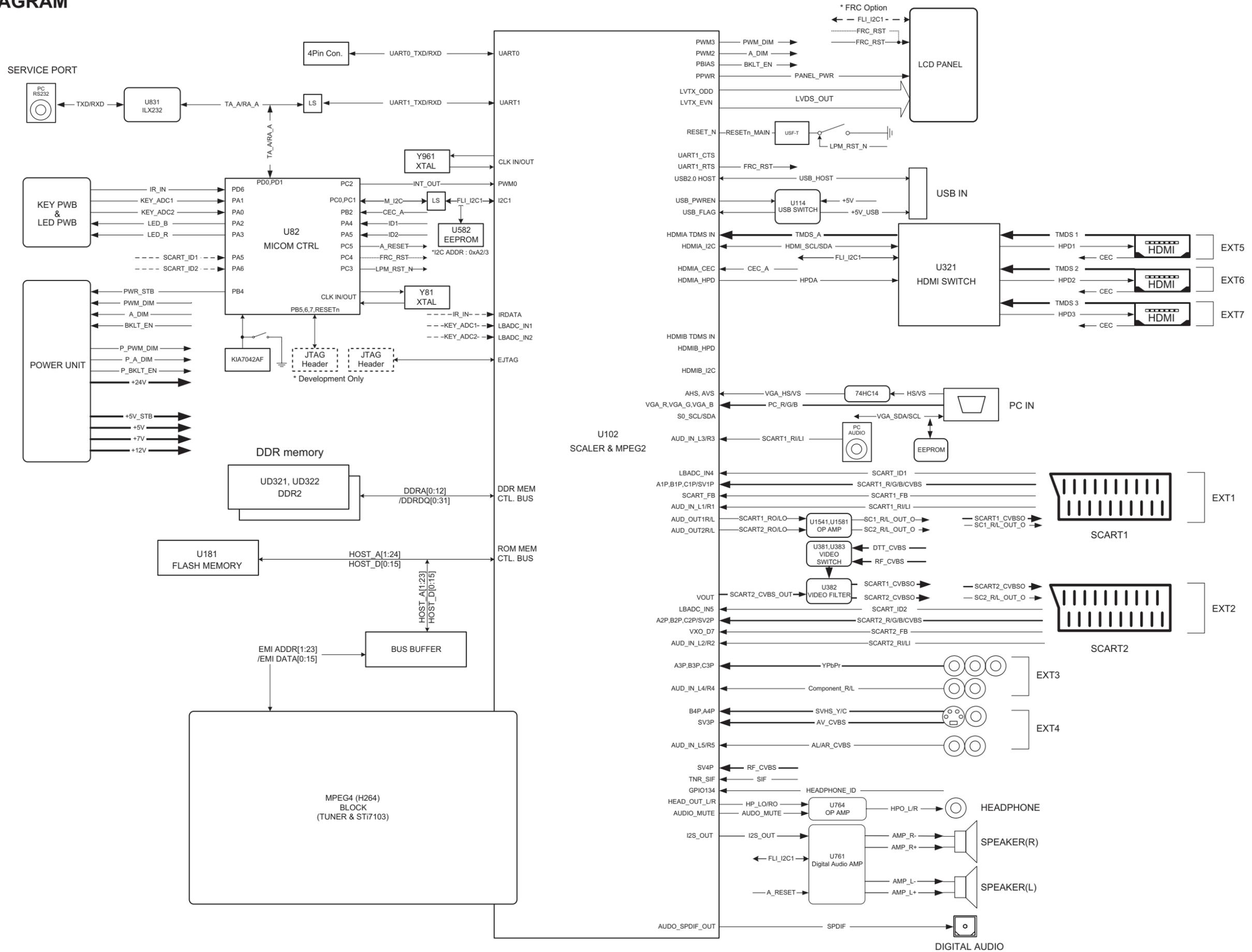
CHIP IC

TOP VIEW	
	

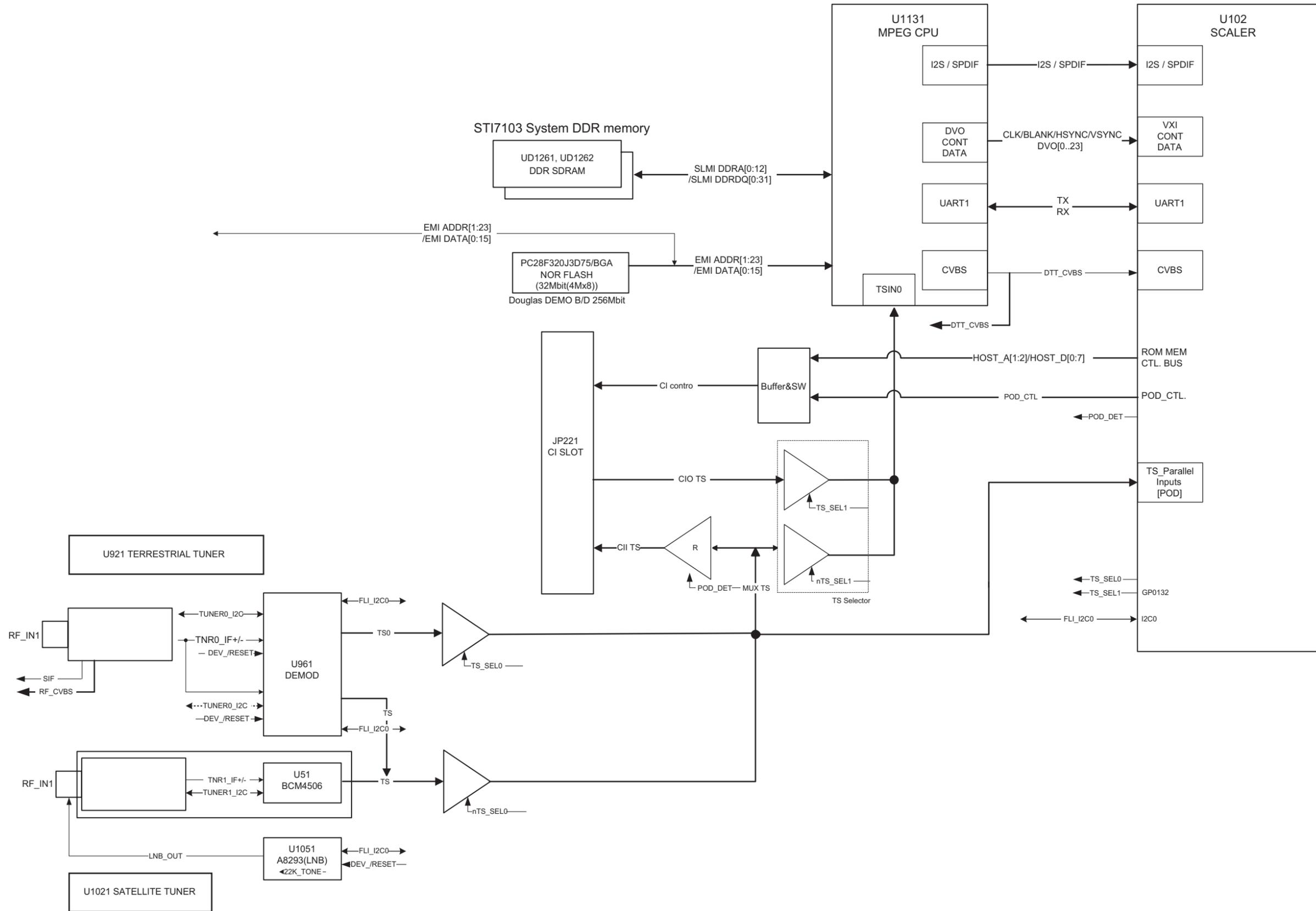
WIRING DIAGRAM



BLOCK DIAGRAM

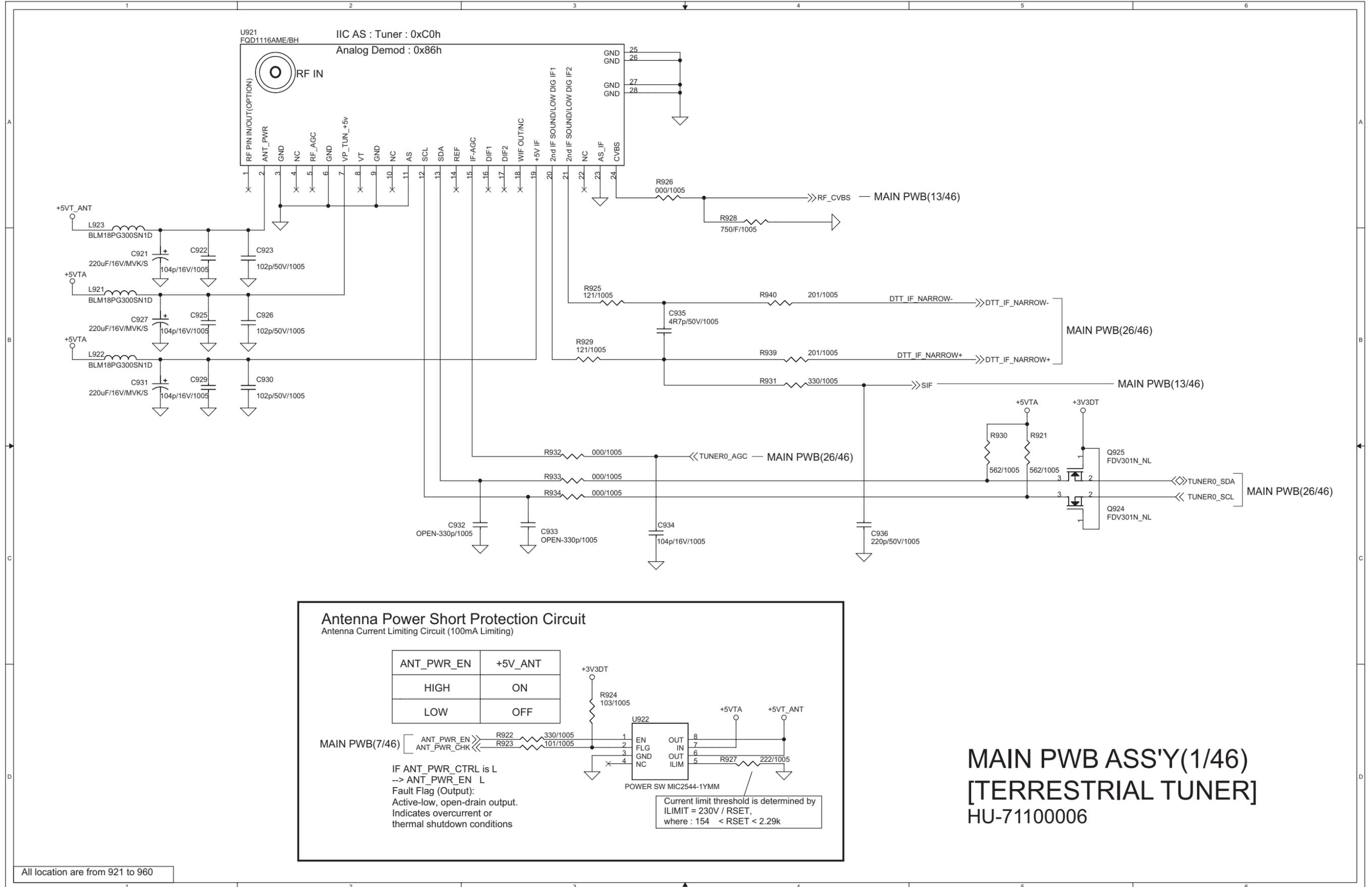


BLOCK DIAGRAM [MPEG4 BLOCK]



CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM (1/46) [TERRESTRIAL TUNER]



Antenna Power Short Protection Circuit

Antenna Current Limiting Circuit (100mA Limiting)

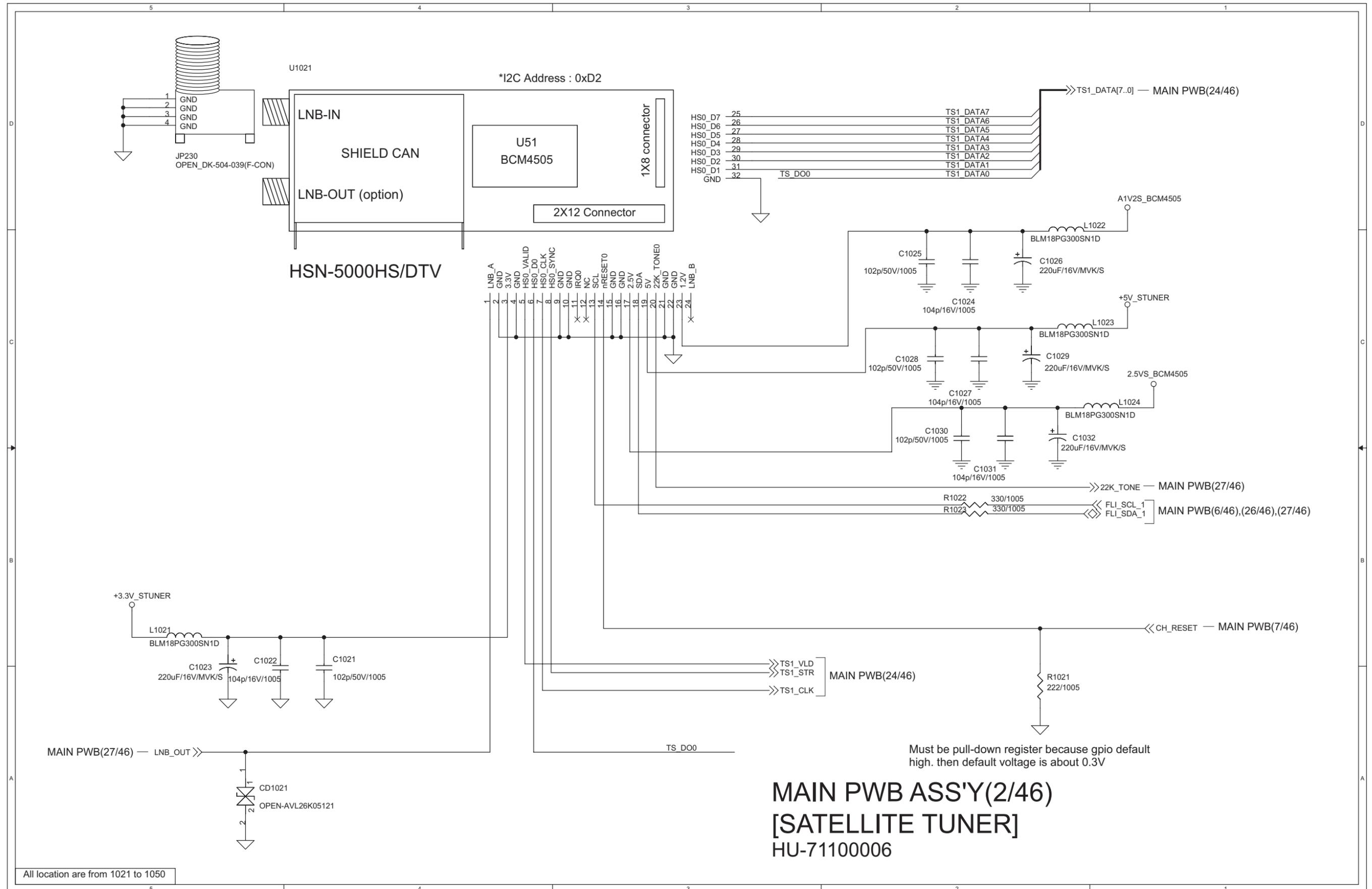
ANT_PWR_EN	+5V_ANT
HIGH	ON
LOW	OFF

IF ANT_PWR_CTRL is L
 --> ANT_PWR_EN L
 Fault Flag (Output):
 Active-low, open-drain output.
 Indicates overcurrent or thermal shutdown conditions

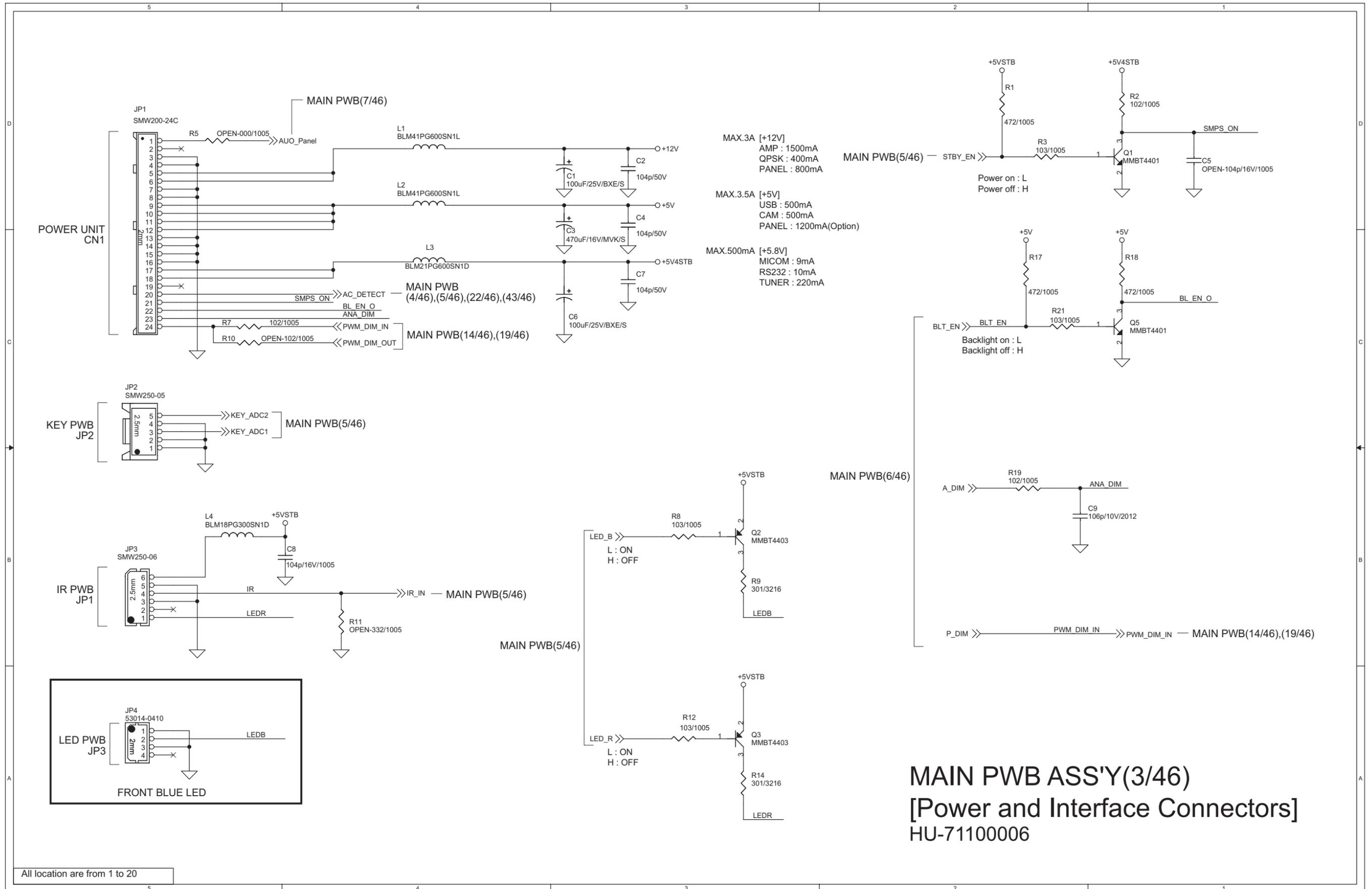
Current limit threshold is determined by
 $ILIMIT = 230V / RSET$,
 where : $154 < RSET < 2.29k$

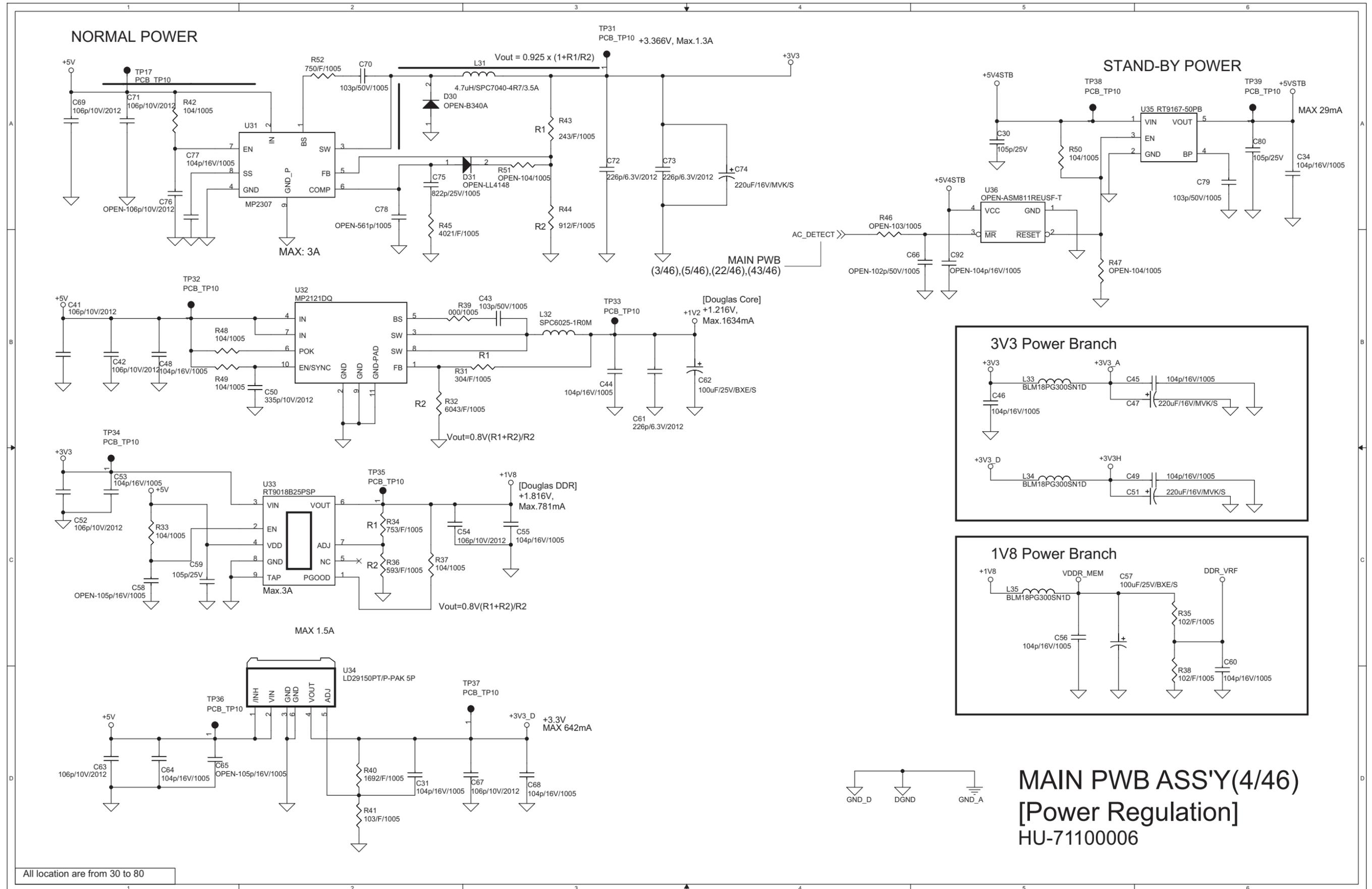
MAIN PWB ASS'Y(1/46)
[TERRESTRIAL TUNER]
 HU-71100006

All location are from 921 to 960

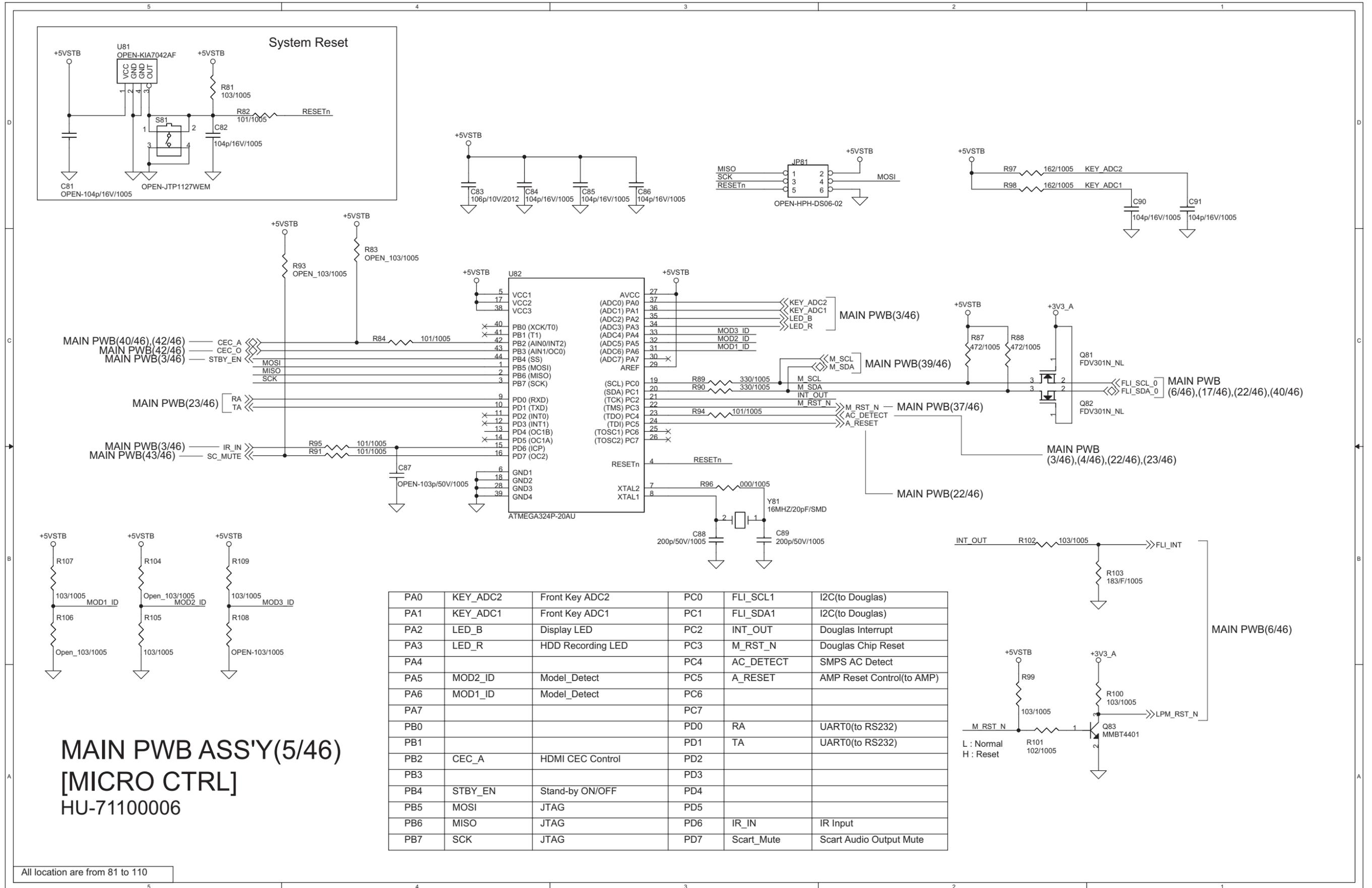


MAIN PWB CIRCUIT DIAGRAM (3/46) [Power and Interface Connectors]





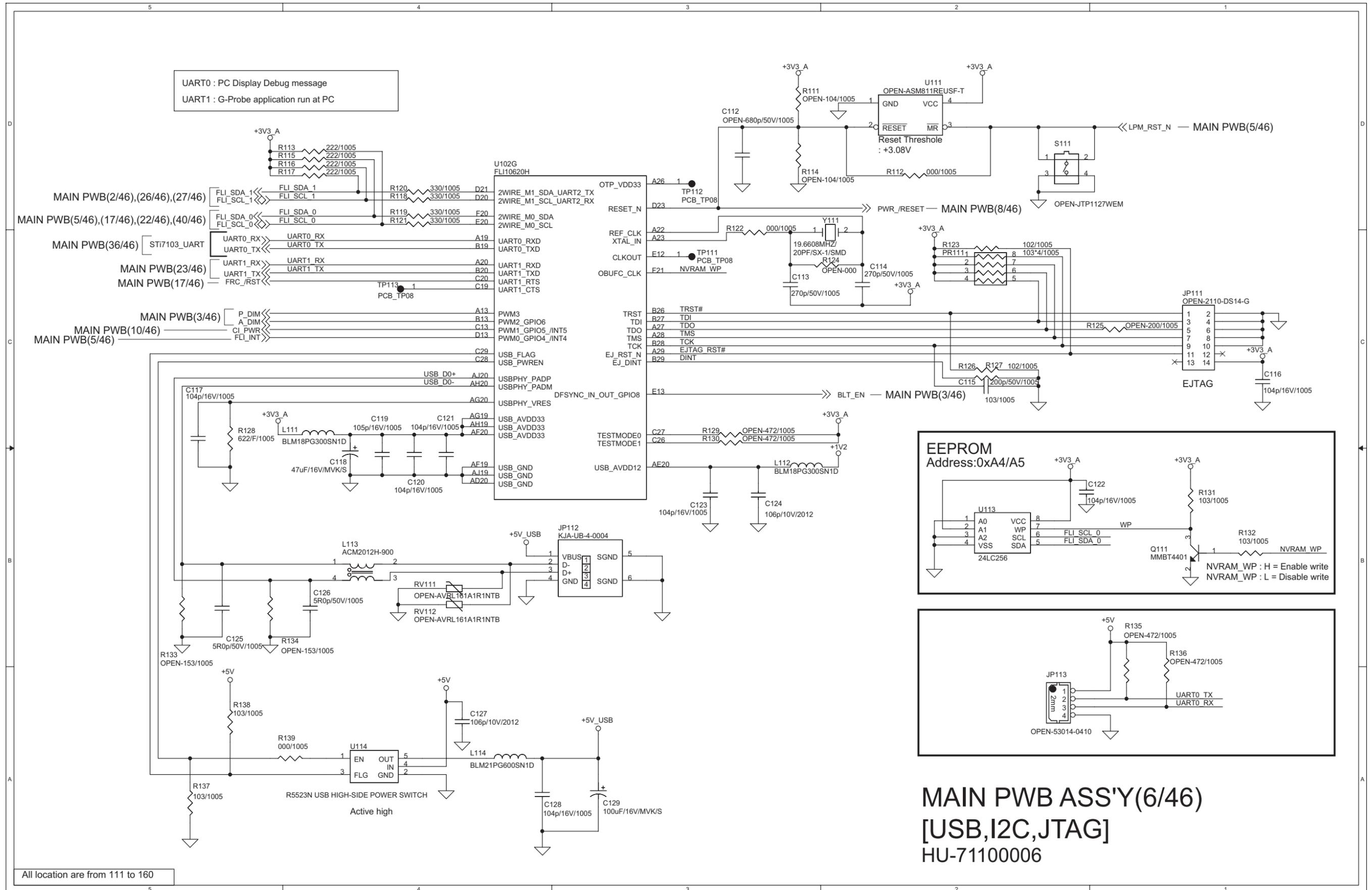
MAIN PWB CIRCUIT DIAGRAM (5/46) [MICRO CTRL]



MAIN PWB ASS'Y(5/46)
[MICRO CTRL]
HU-71100006

PA0	KEY_ADC2	Front Key ADC2	PC0	FLI_SCL1	I2C(to Douglas)
PA1	KEY_ADC1	Front Key ADC1	PC1	FLI_SDA1	I2C(to Douglas)
PA2	LED_B	Display LED	PC2	INT_OUT	Douglas Interrupt
PA3	LED_R	HDD Recording LED	PC3	M_RST_N	Douglas Chip Reset
PA4	MOD2_ID	Model_Detect	PC4	AC_DETECT	SMPS AC Detect
PA5	MOD1_ID	Model_Detect	PC5	A_RESET	AMP Reset Control(to AMP)
PA6	MOD1_ID	Model_Detect	PC6		
PA7			PC7		
PB0			PD0	RA	UART0(to RS232)
PB1			PD1	TA	UART0(to RS232)
PB2	CEC_A	HDMI CEC Control	PD2		
PB3			PD3		
PB4	STBY_EN	Stand-by ON/OFF	PD4		
PB5	MOSI	JTAG	PD5		
PB6	MISO	JTAG	PD6	IR_IN	IR Input
PB7	SCK	JTAG	PD7	Scart_Mute	Scart Audio Output Mute

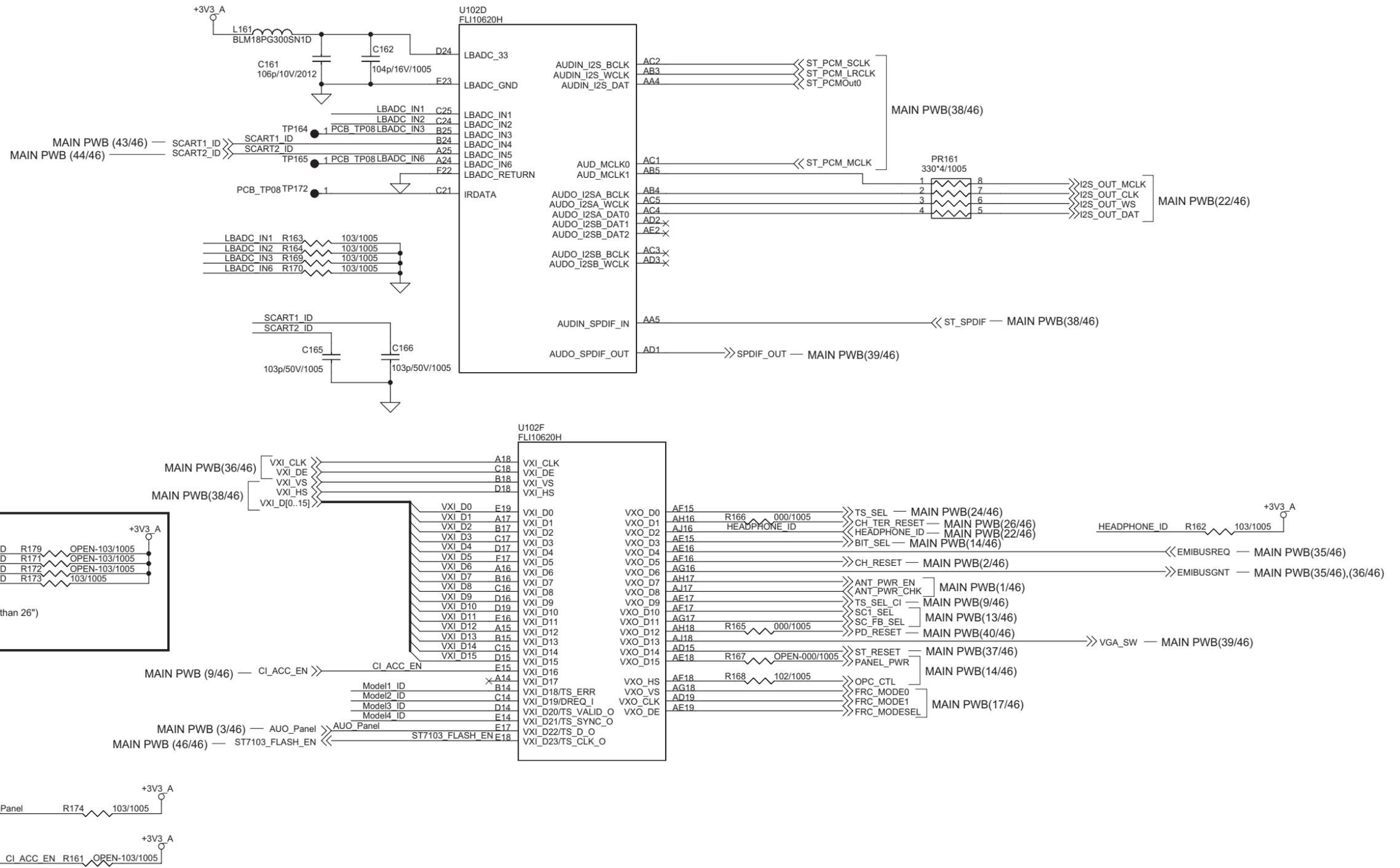
All location are from 81 to 110



MAIN PWB ASS'Y(7/46)

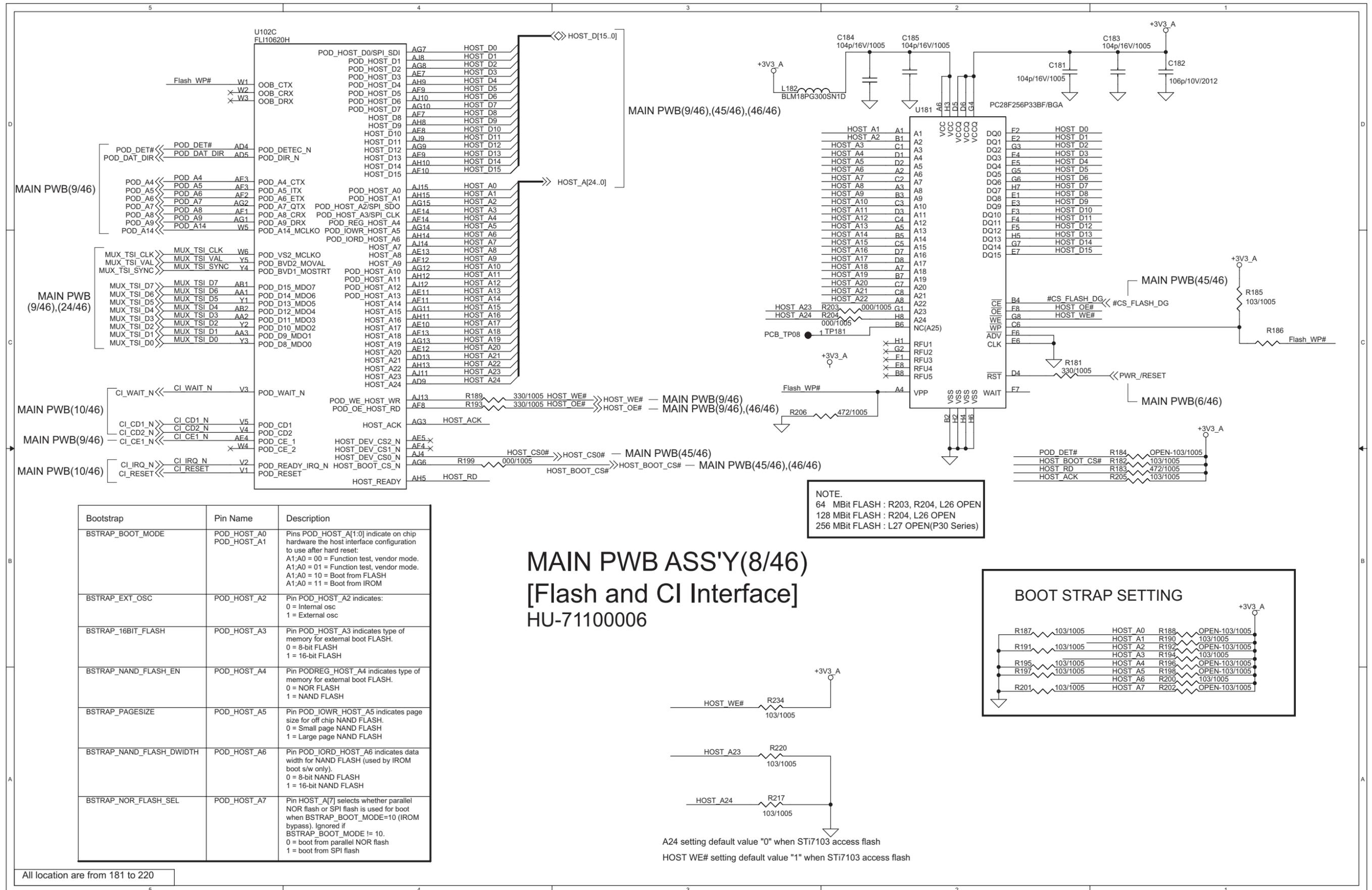
[I2S]

HU-71100006

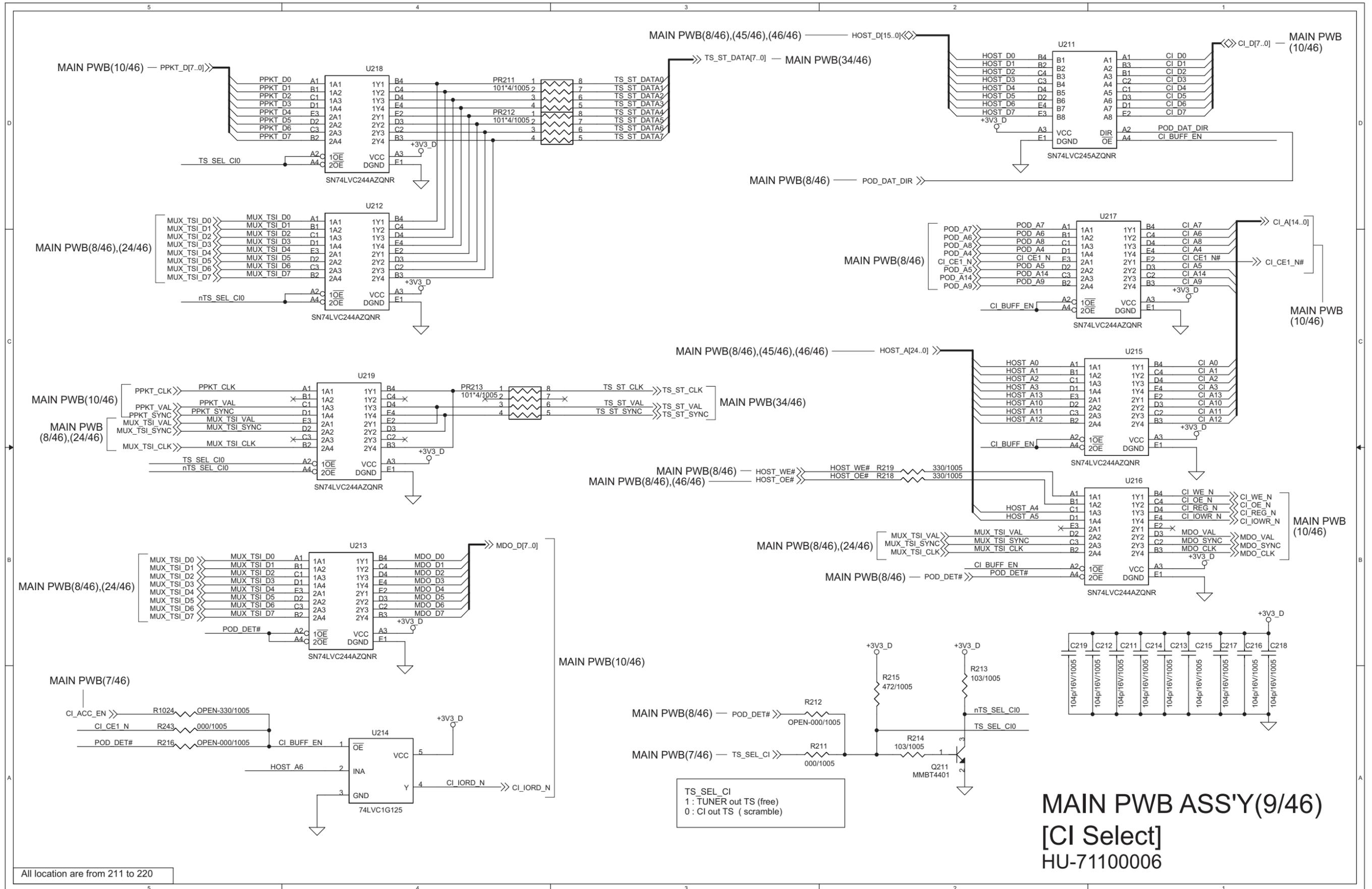


All location are from 161 to 180

MAIN PWB CIRCUIT DIAGRAM (8/46) [Flash and CI Interface]



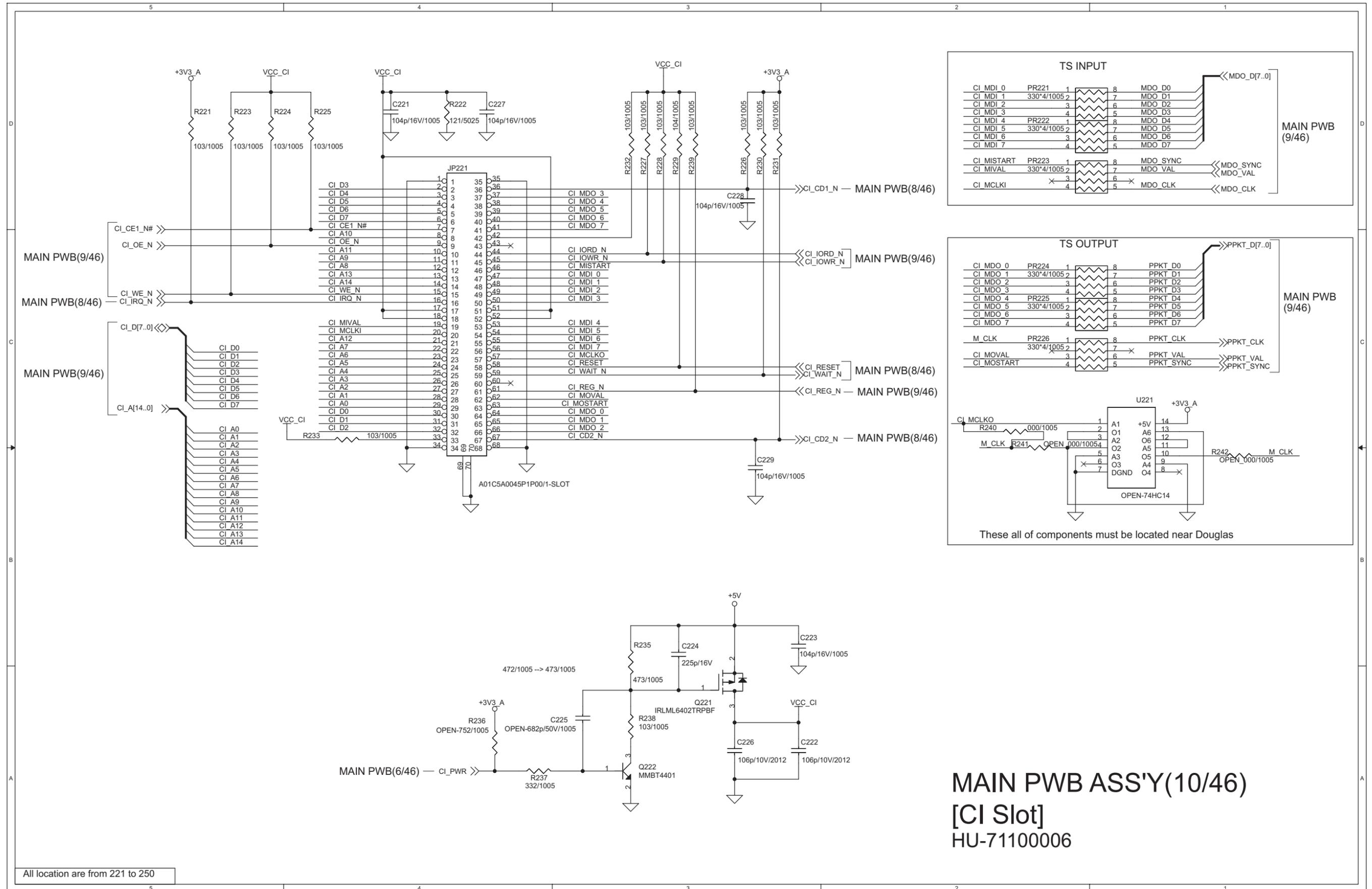
MAIN PWB CIRCUIT DIAGRAM (9/46) [CI Select]



MAIN PWB ASS'Y(9/46)
[CI Select]
HU-71100006

All location are from 211 to 220

MAIN PWB CIRCUIT DIAGRAM (10/46) [CI Slot]

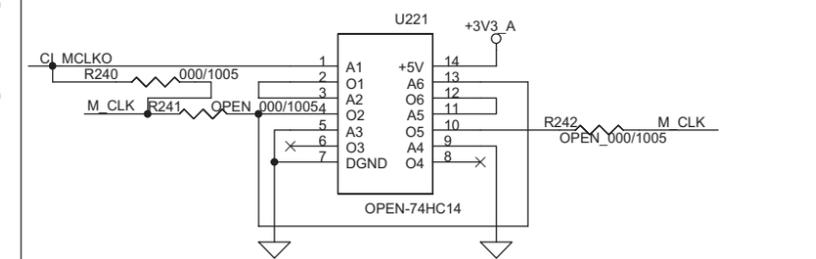


TS INPUT

CI MDI 0	PR221	1	8	MDO D0	<< MDO_D[7..0]
CI MDI 1	330*4/1005	2	7	MDO D1	
CI MDI 2		3	6	MDO D2	
CI MDI 3		4	5	MDO D3	
CI MDI 4	PR222	1	8	MDO D4	
CI MDI 5	330*4/1005	2	7	MDO D5	
CI MDI 6		3	6	MDO D6	
CI MDI 7		4	5	MDO D7	
CI MISTART	PR223	1	8	MDO SYNC	<< MDO_SYNC
CI MIVAL	330*4/1005	2	7	MDO VAL	<< MDO_VAL
CI MCLKI	X	3	6	MDO CLK	<< MDO_CLK
		4	5		

TS OUTPUT

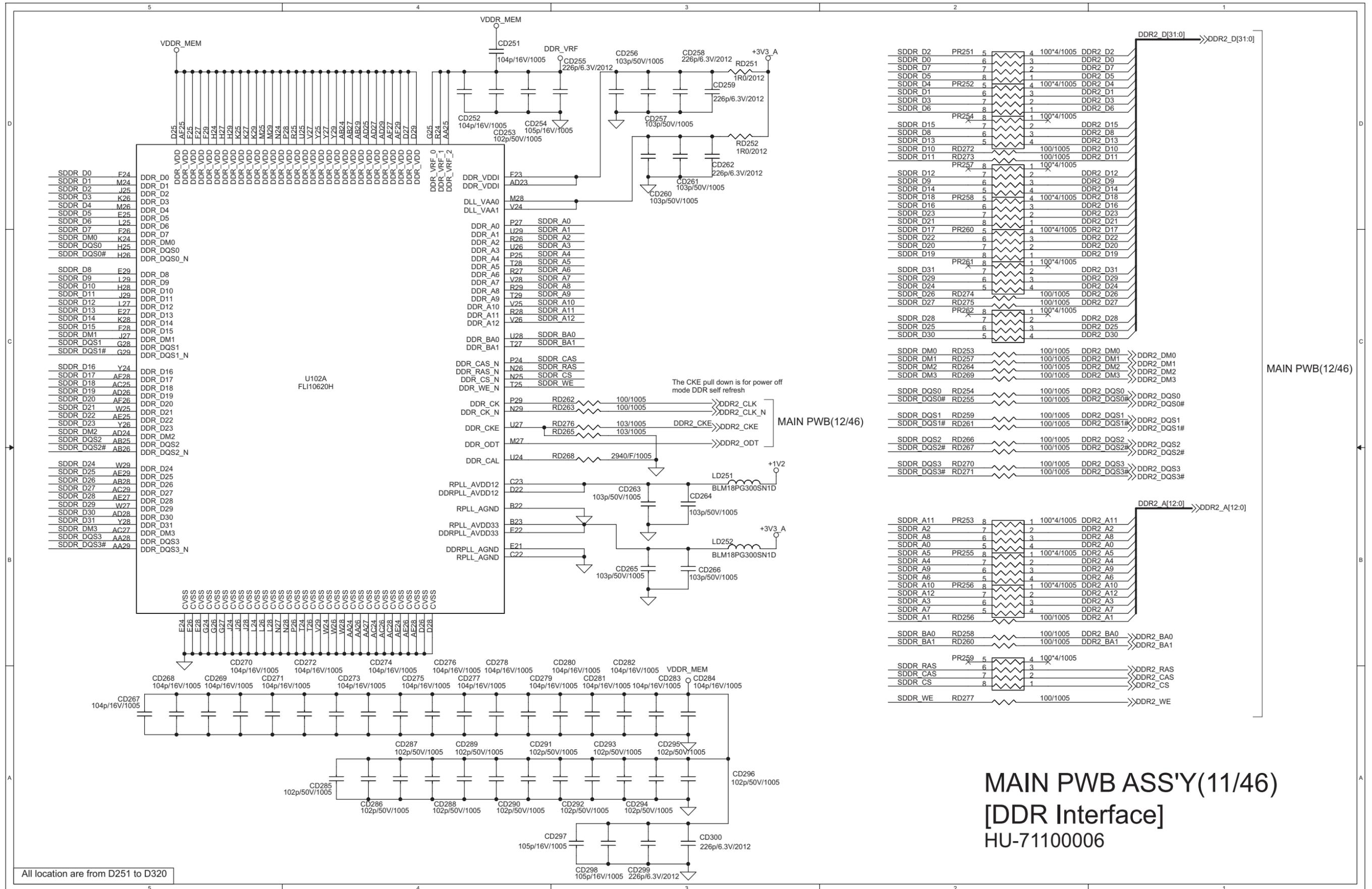
CI MDO 0	PR224	1	8	PPKT D0	<< PPKT_D[7..0]
CI MDO 1	330*4/1005	2	7	PPKT D1	
CI MDO 2		3	6	PPKT D2	
CI MDO 3		4	5	PPKT D3	
CI MDO 4	PR225	1	8	PPKT D4	
CI MDO 5	330*4/1005	2	7	PPKT D5	
CI MDO 6		3	6	PPKT D6	
CI MDO 7		4	5	PPKT D7	
M_CLK	PR226	1	8	PPKT_CLK	<< PPKT_CLK
CI MOVAL	330*4/1005	2	7	PPKT_VAL	<< PPKT_VAL
CI MOSTART	X	3	6	PPKT_SYNC	<< PPKT_SYNC
		4	5		



These all of components must be located near Douglas

MAIN PWB ASS'Y(10/46)
[CI Slot]
HU-71100006

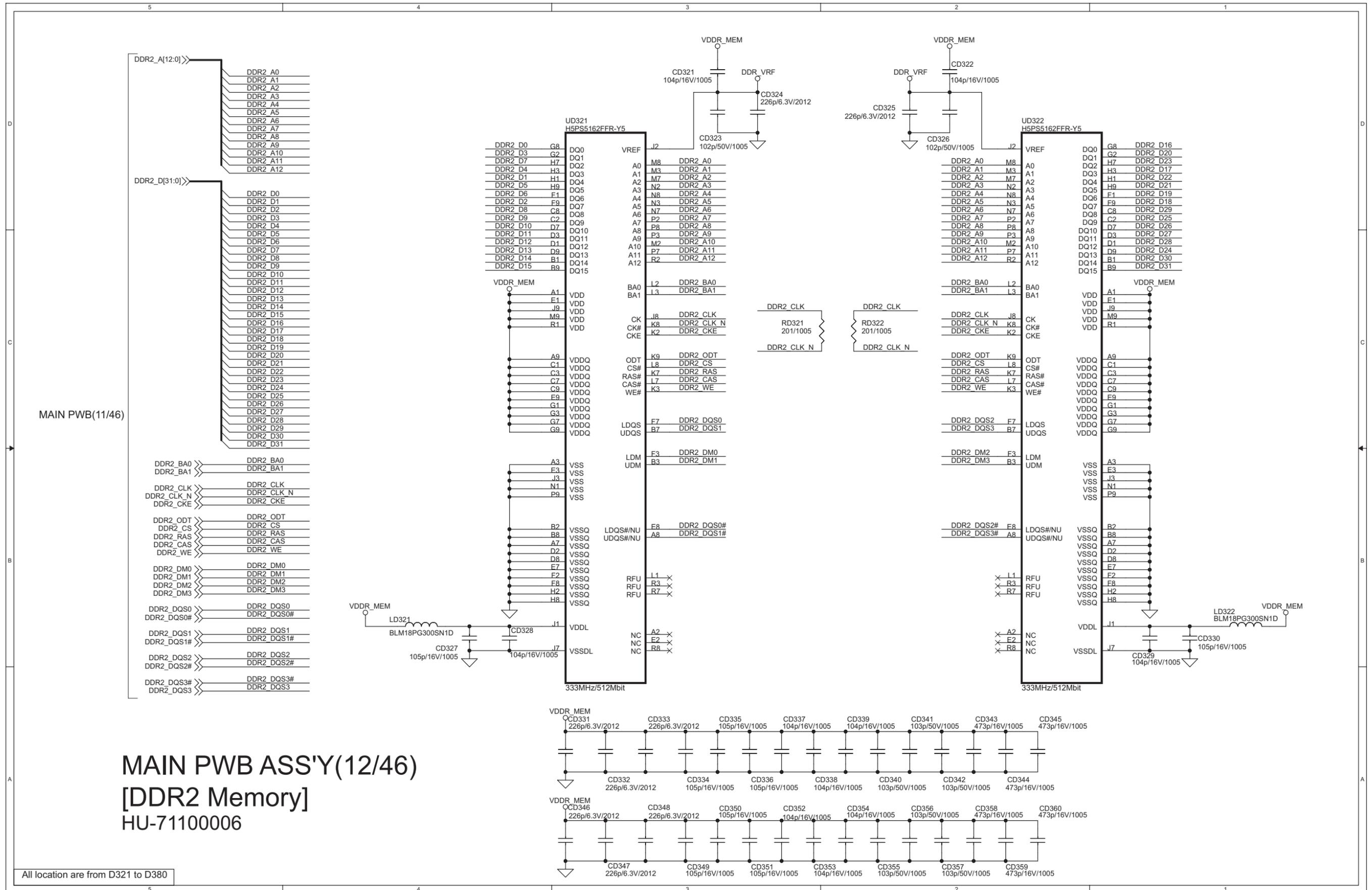
All location are from 221 to 250

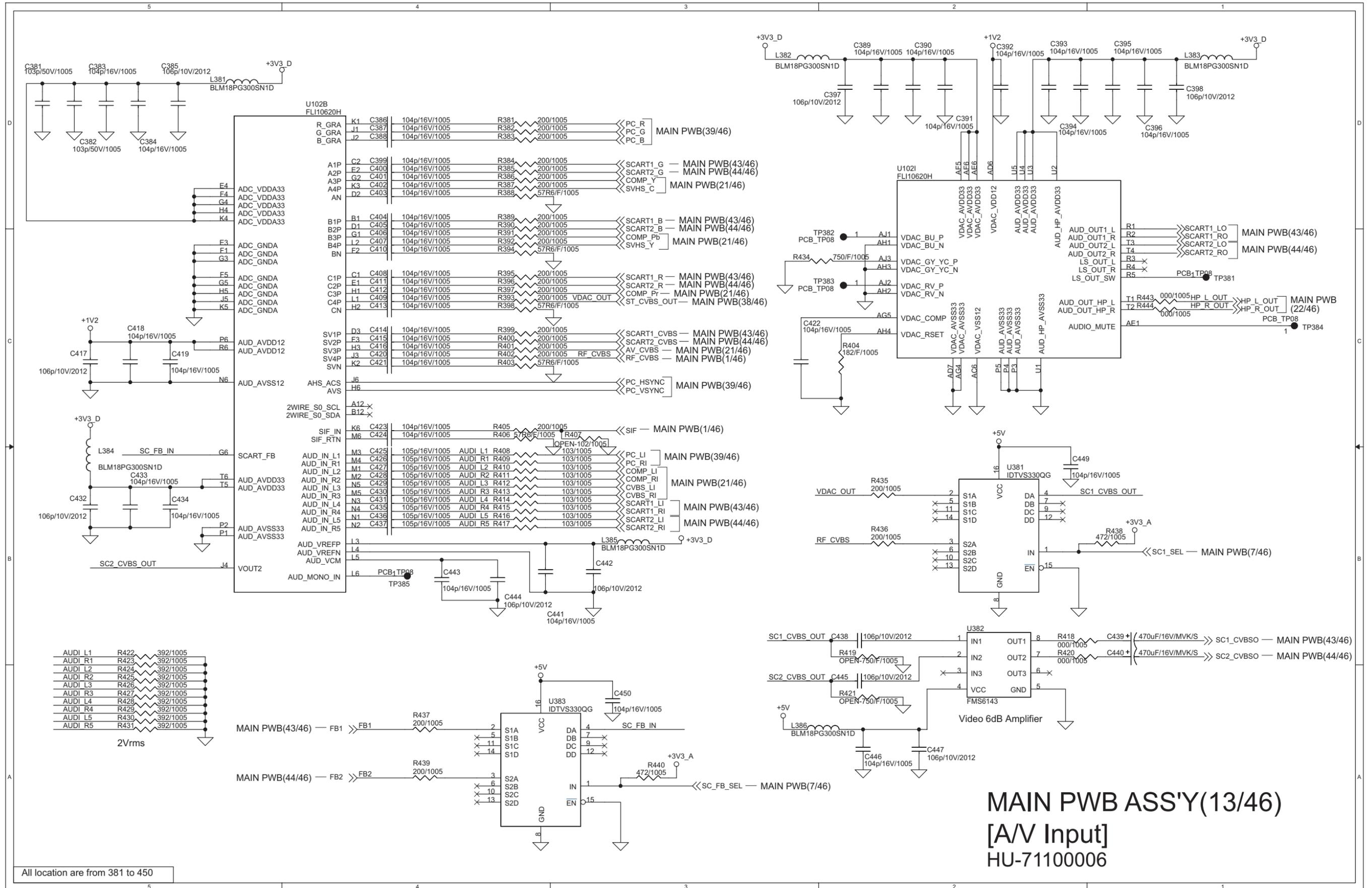


All location are from D251 to D320

MAIN PWB ASS'Y(11/46)
[DDR Interface]
HU-71100006

MAIN PWB CIRCUIT DIAGRAM (12/46) [DDR2 Memory]

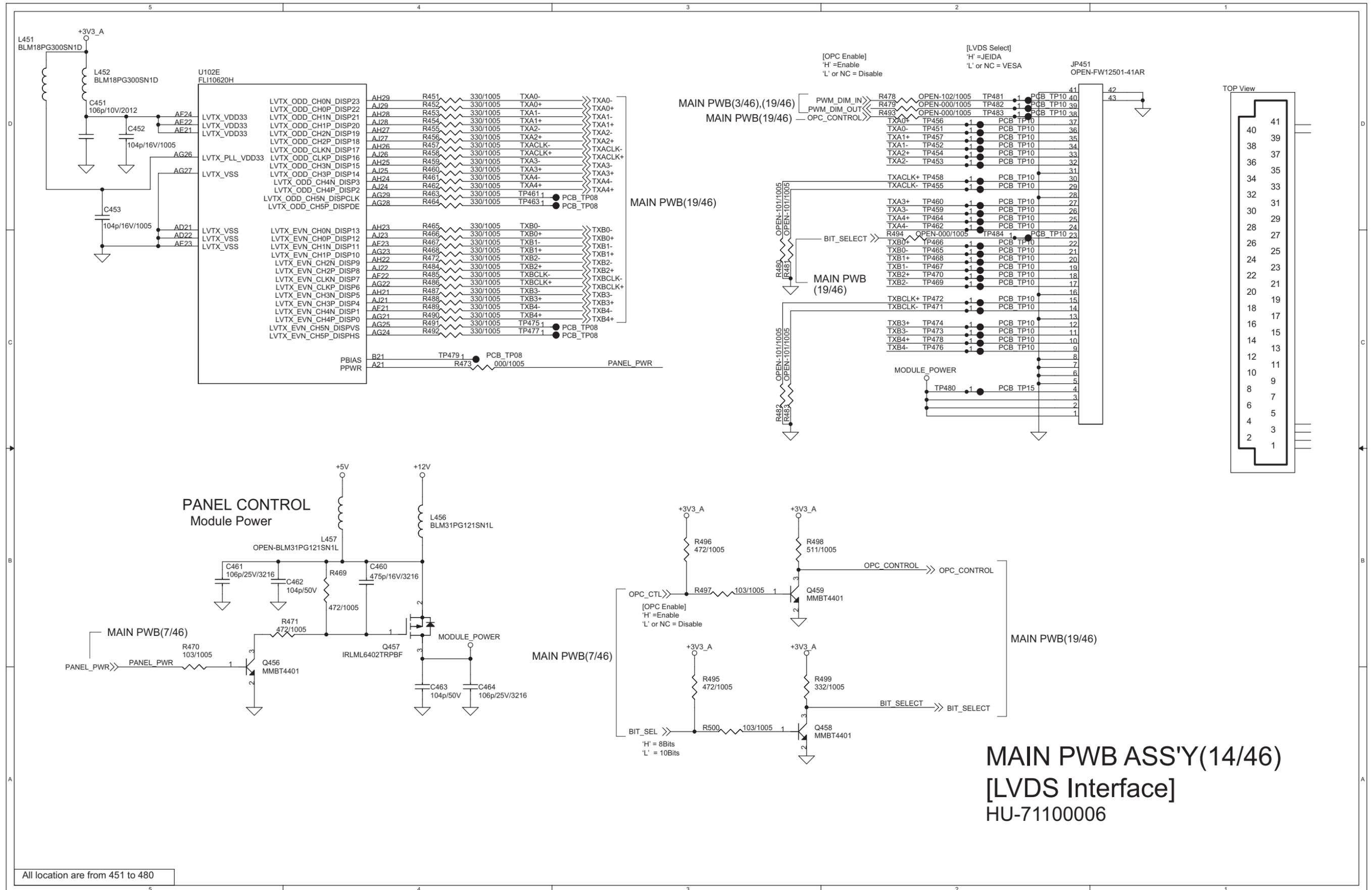




MAIN PWB ASS'Y(13/46)
[A/V Input]
HU-71100006

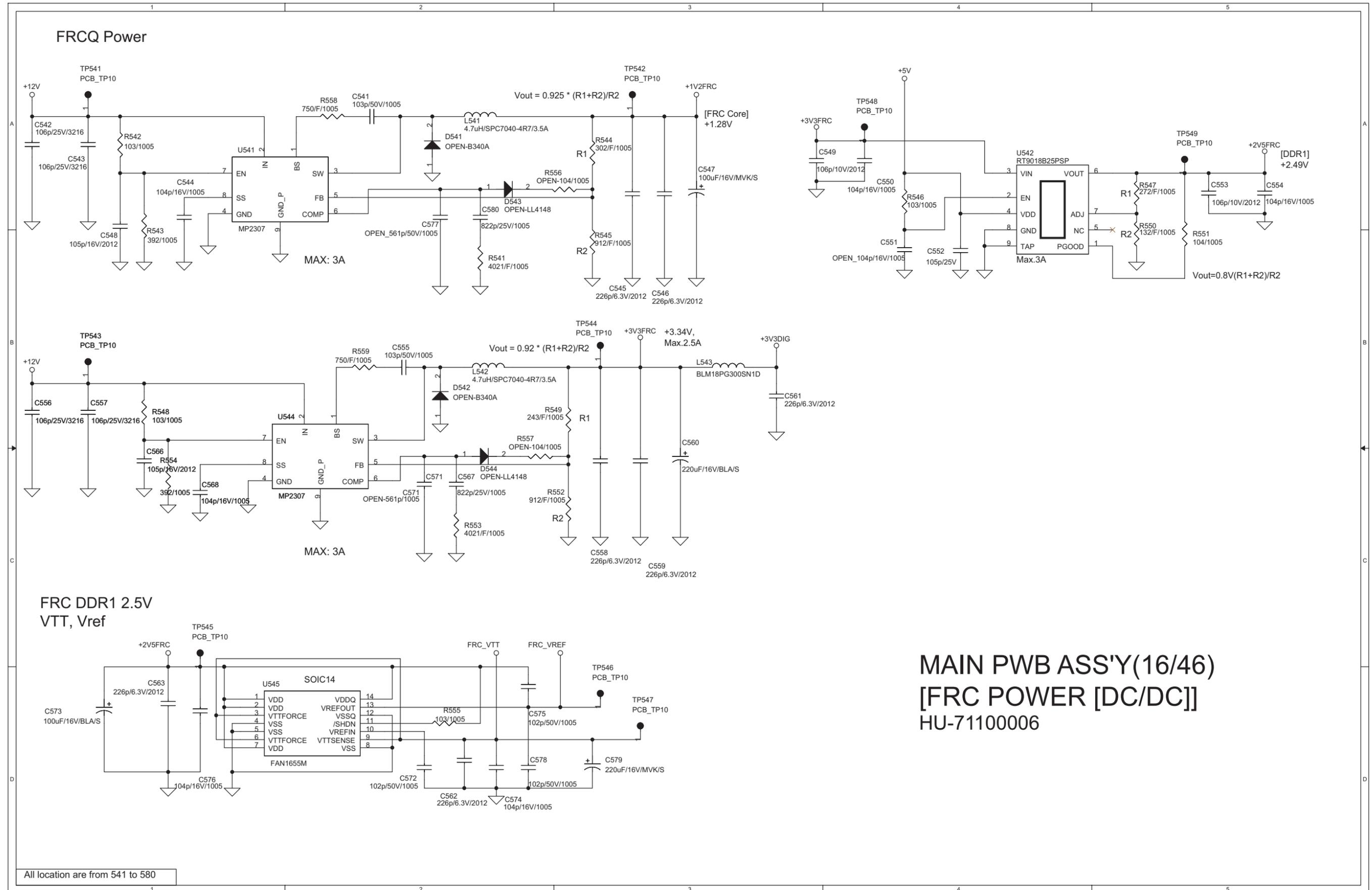
All location are from 381 to 450

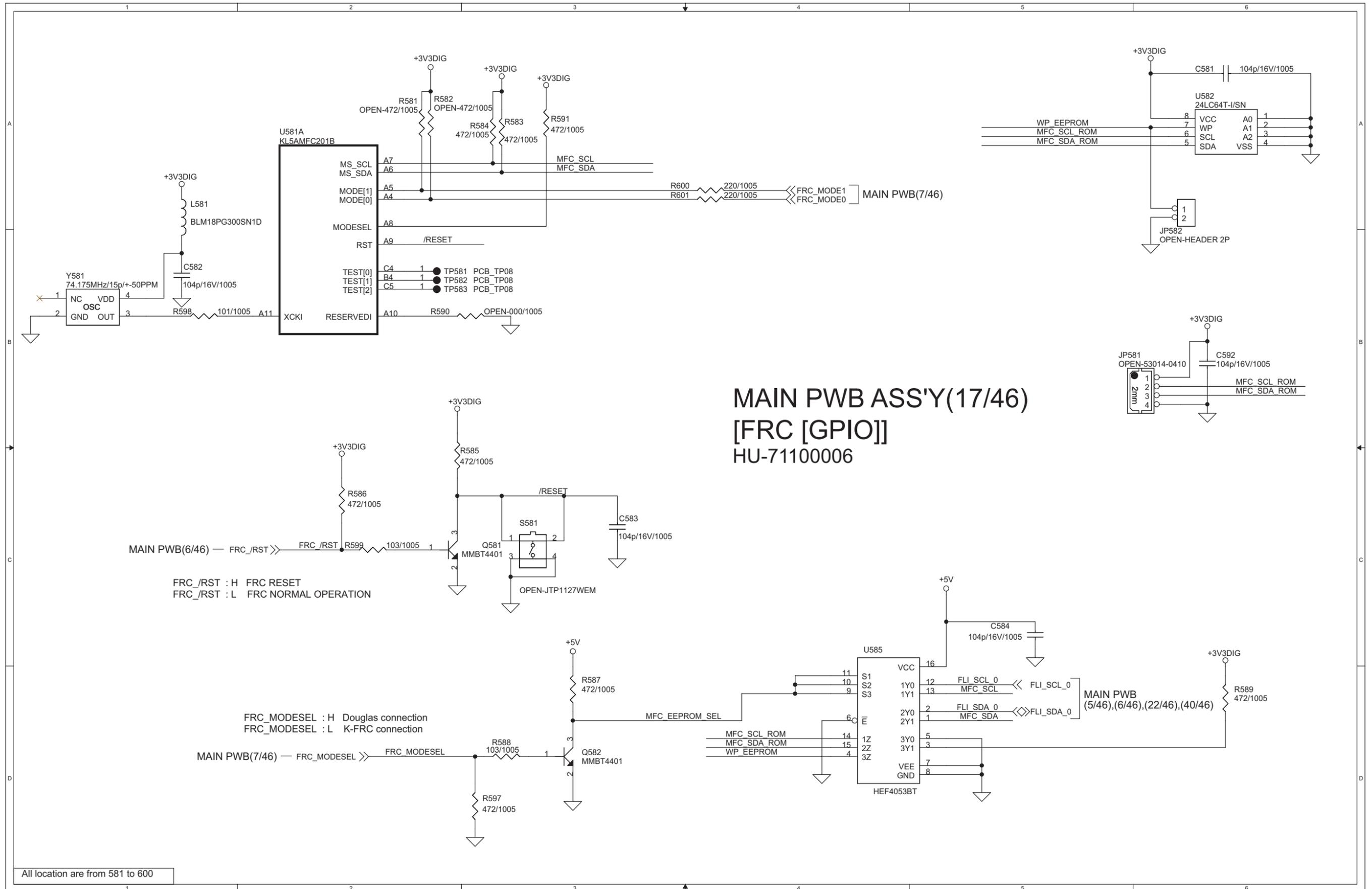
MAIN PWB CIRCUIT DIAGRAM (14/46) [LVDS Interface]



All location are from 451 to 480

MAIN PWB ASS'Y(14/46)
[LVDS Interface]
HU-71100006

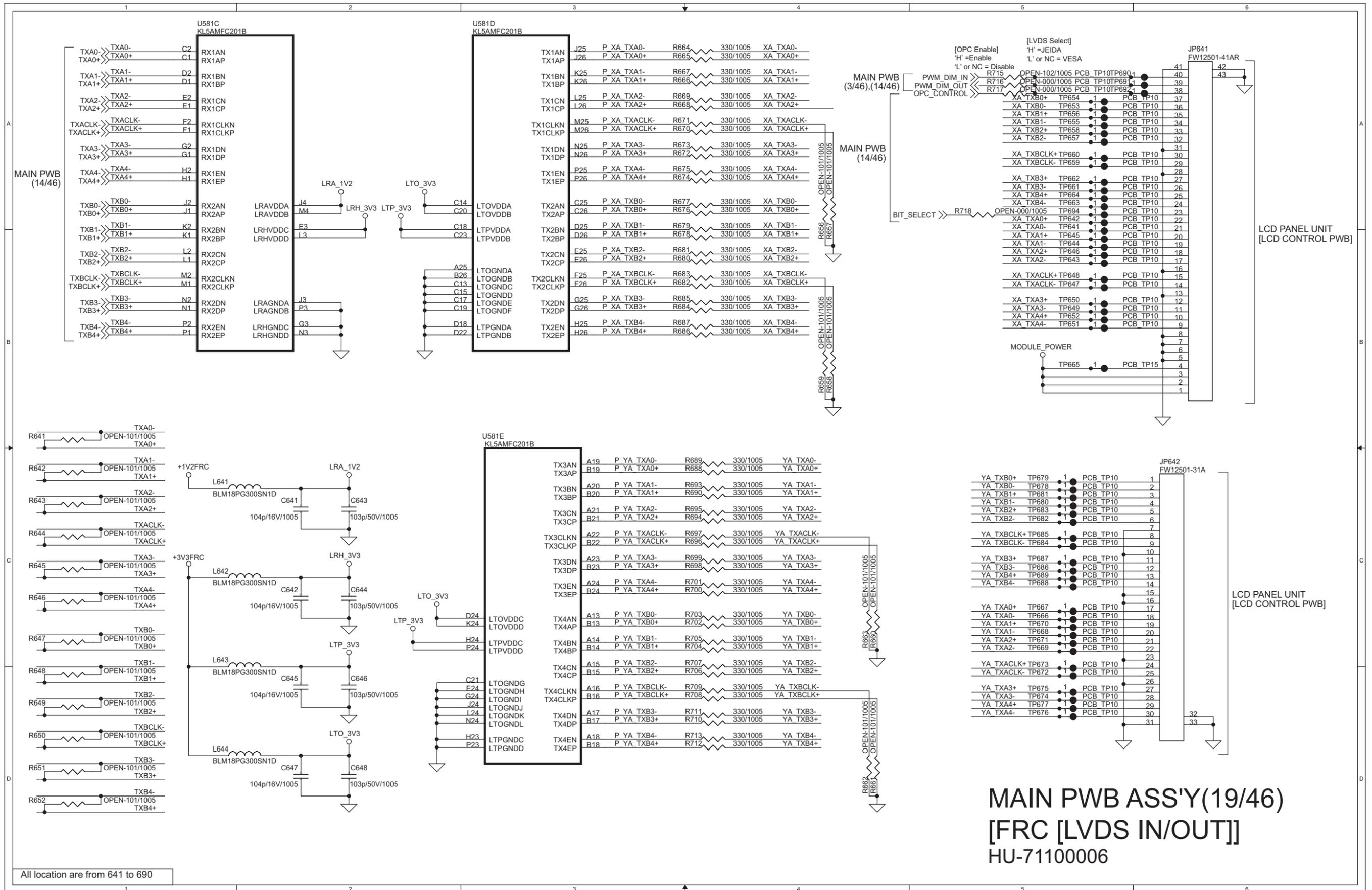




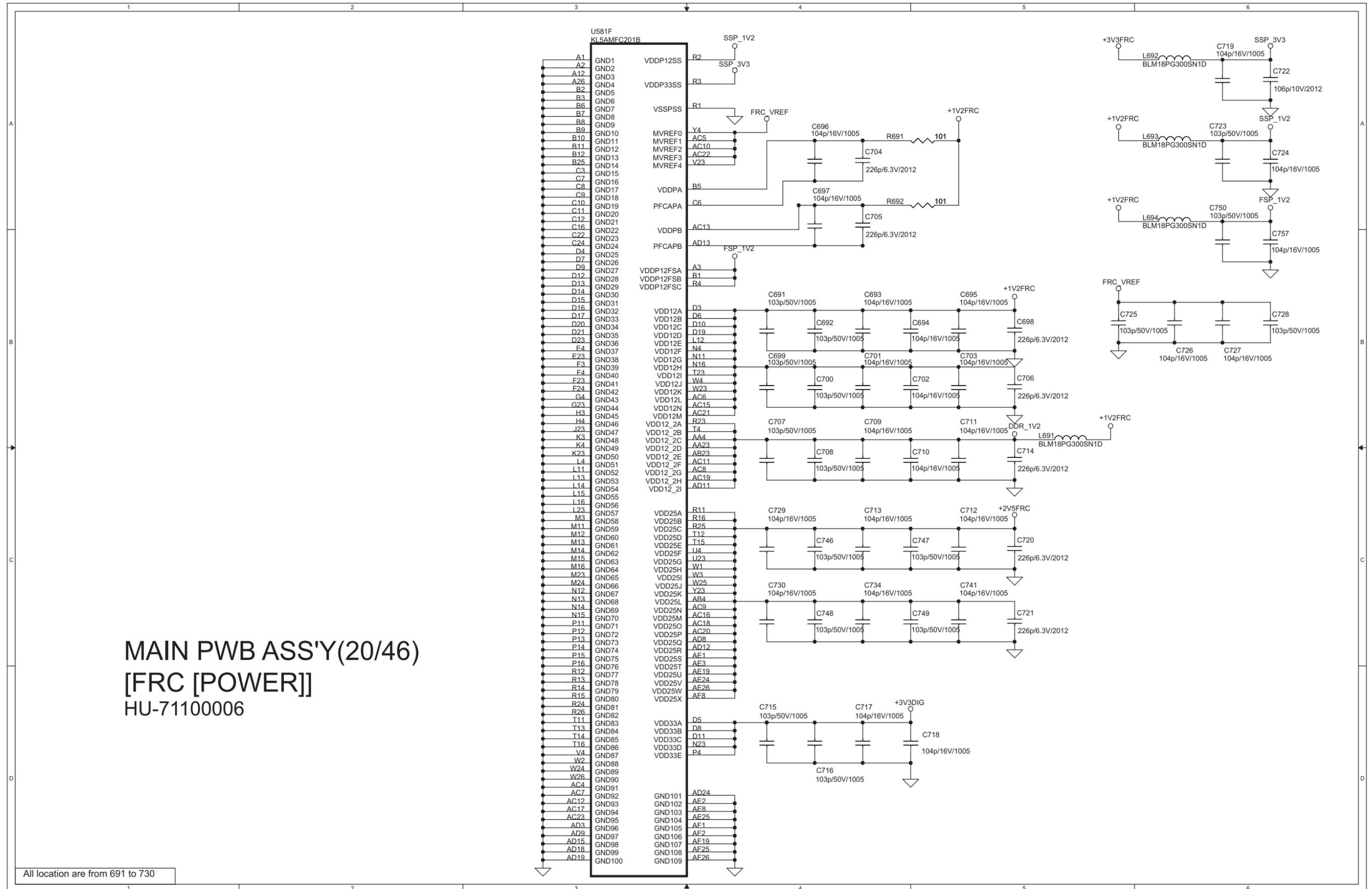
MAIN PWB ASS'Y(17/46)
[FRC [GPIO]]
HU-71100006

All location are from 581 to 600

MAIN PWB CIRCUIT DIAGRAM (19/46) [FRC [LVDS IN/OUT]]

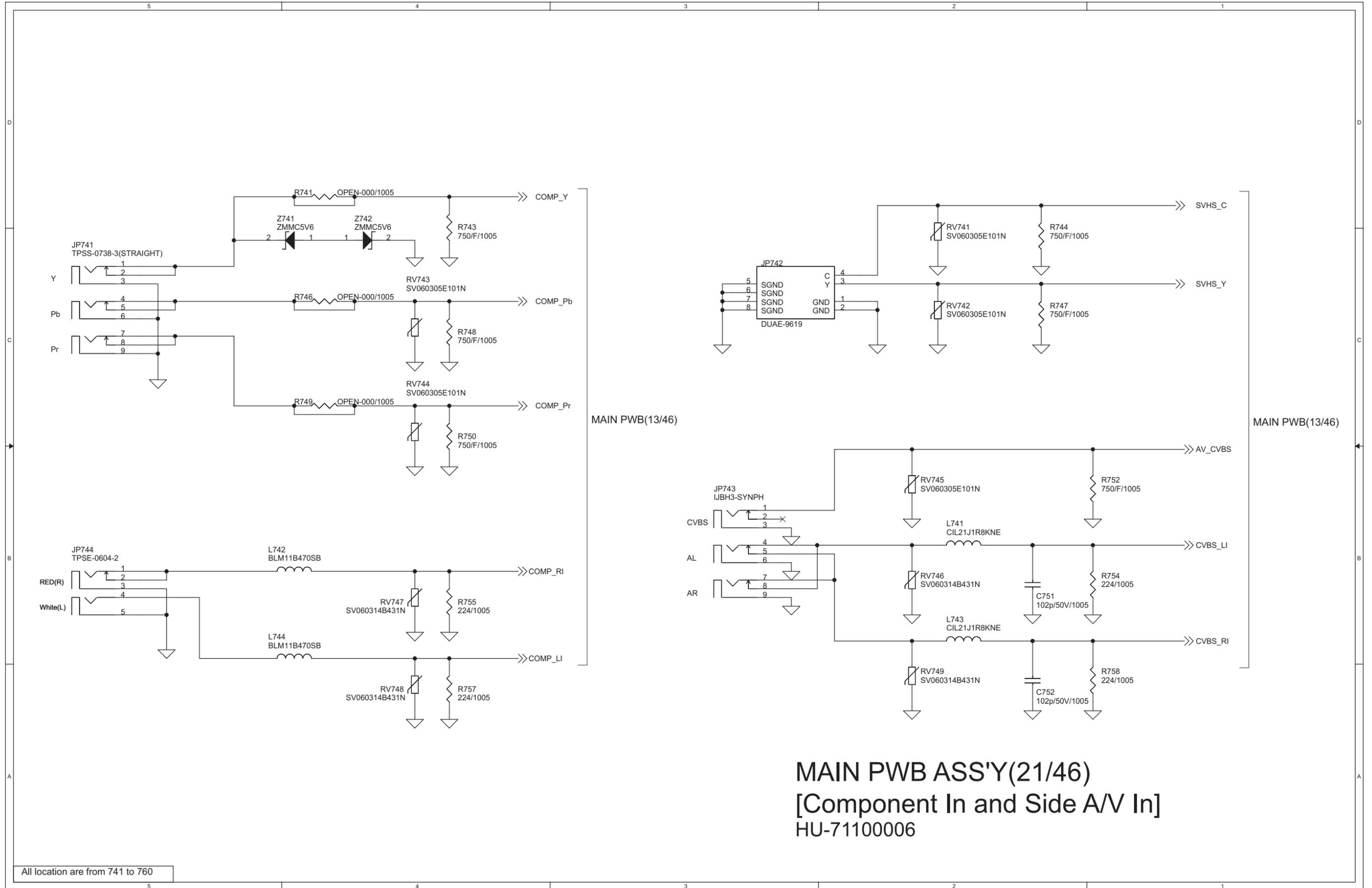


MAIN PWB ASS'Y(19/46)
[FRC [LVDS IN/OUT]]
HU-71100006



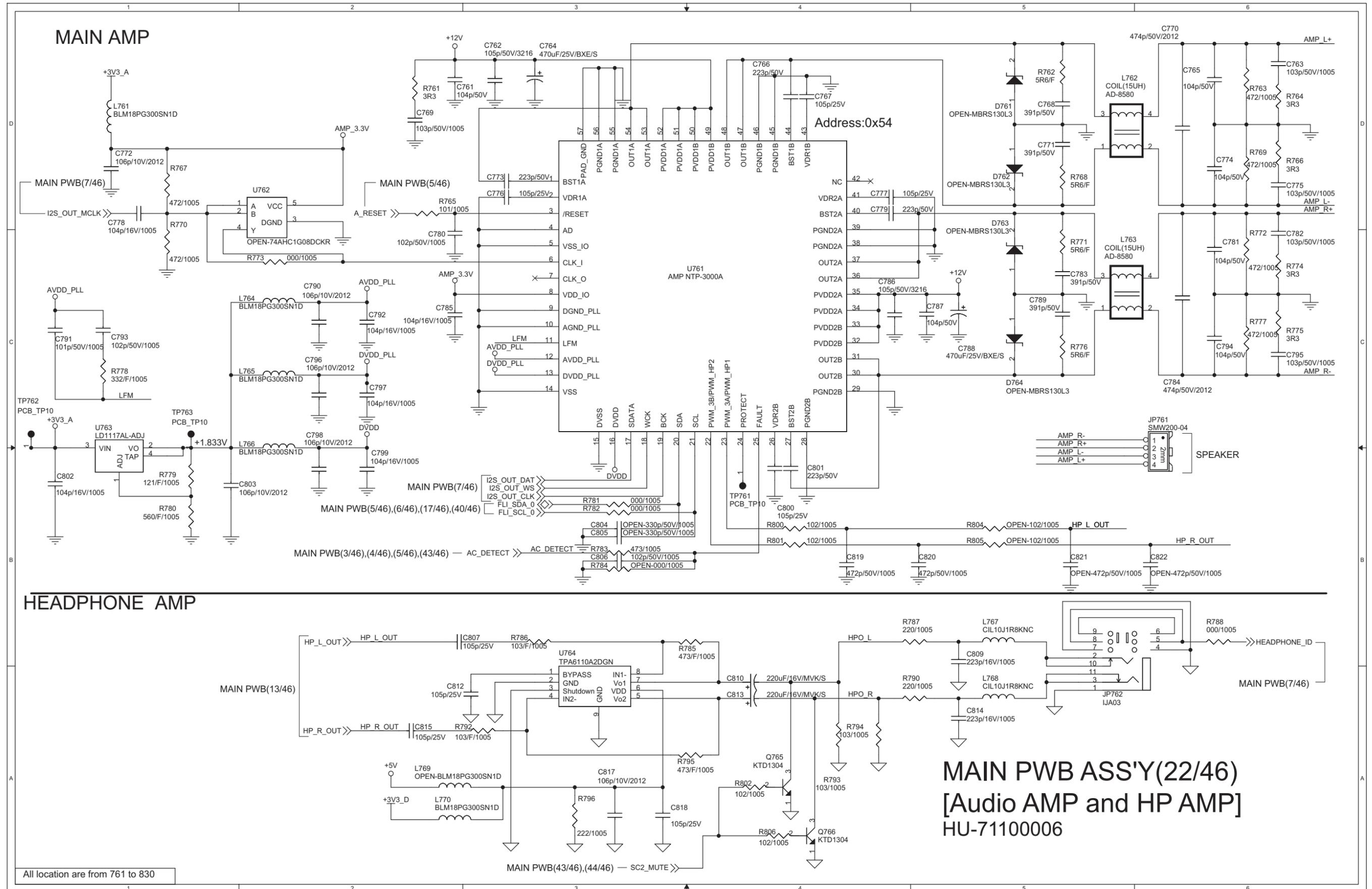
MAIN PWB ASS'Y(20/46)
[FRC [POWER]]
HU-71100006

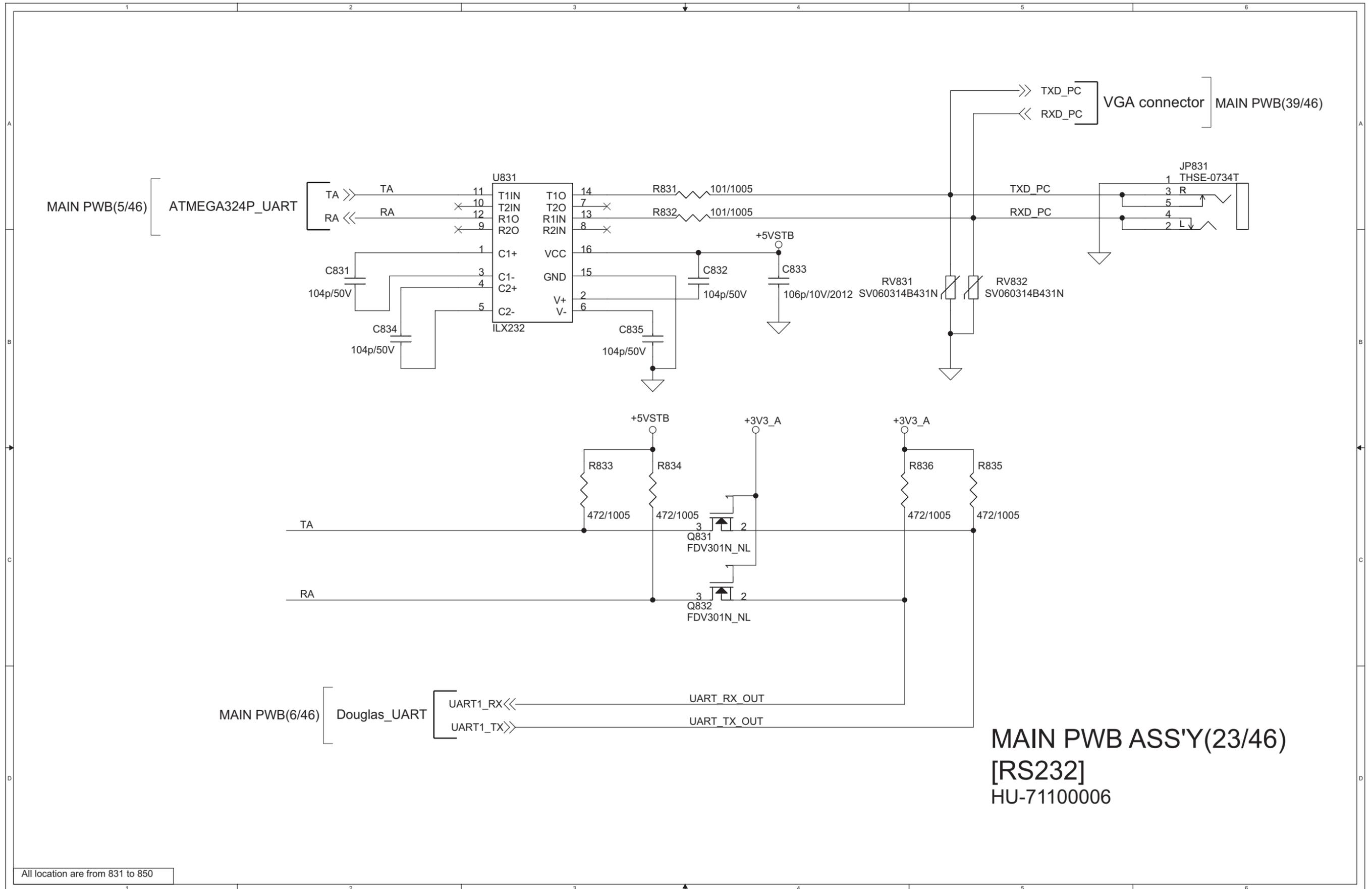
All location are from 691 to 730



MAIN PWB ASS'Y(21/46)
[Component In and Side A/V In]
HU-71100006

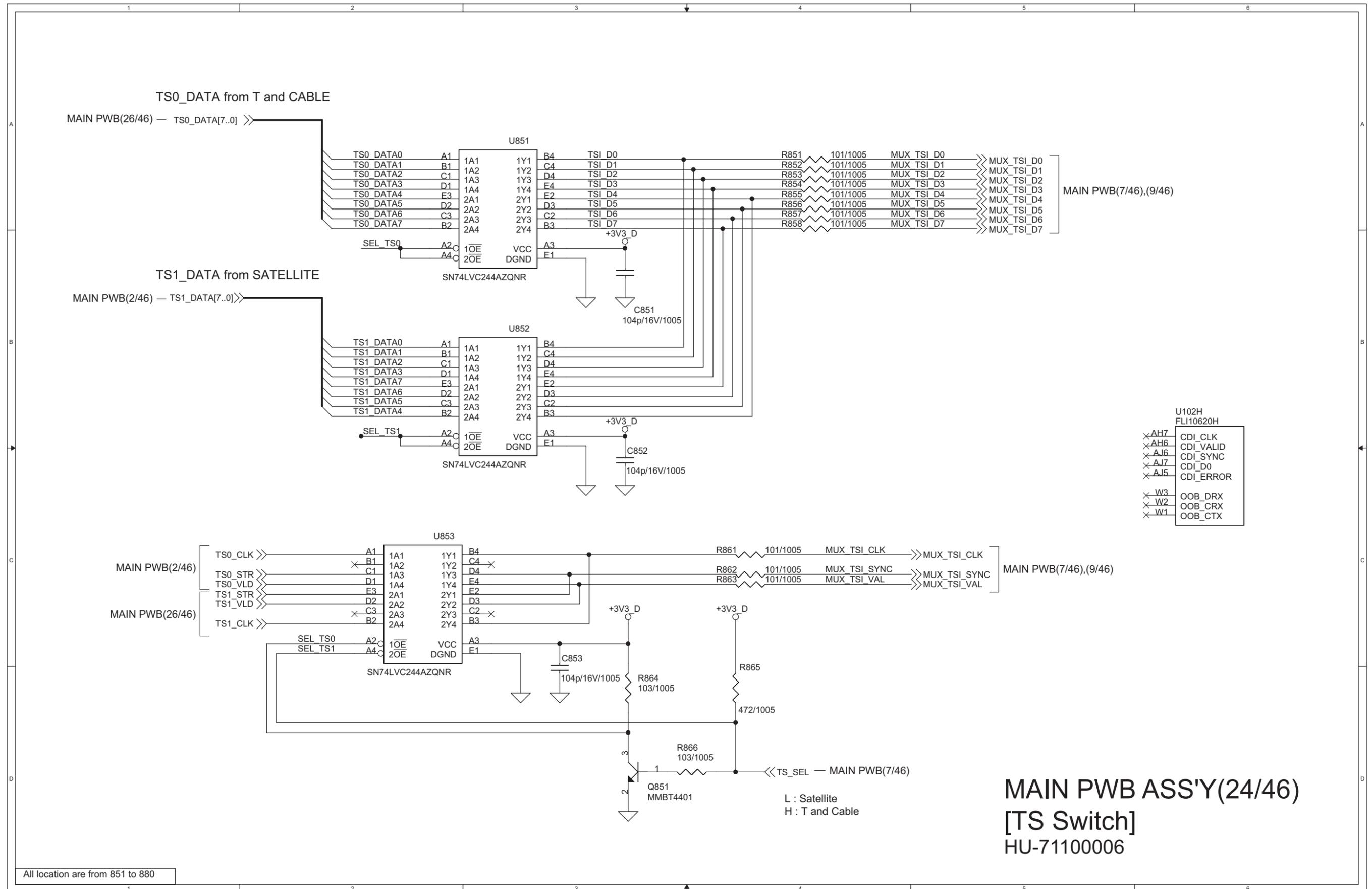
All location are from 741 to 760





All location are from 831 to 850

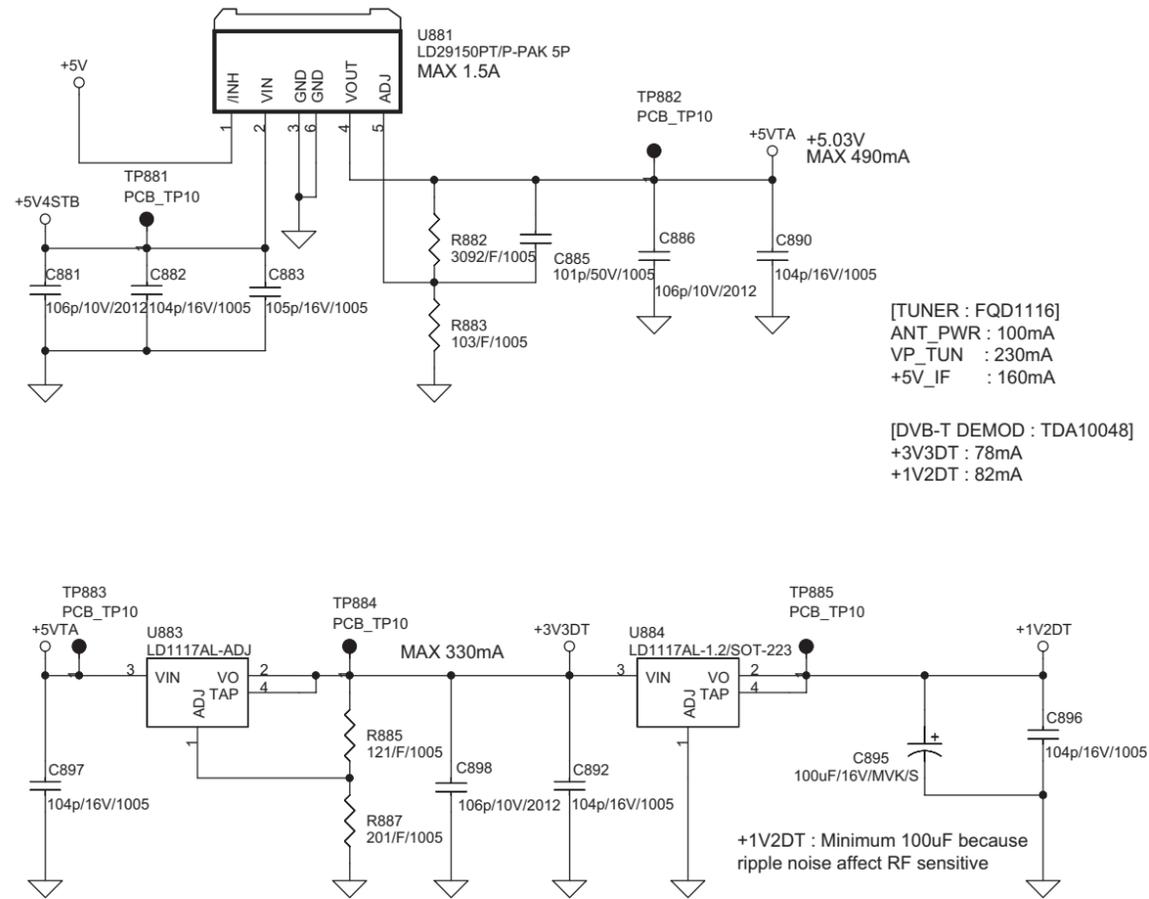
MAIN PWB CIRCUIT DIAGRAM (24/46) [TS Switch]



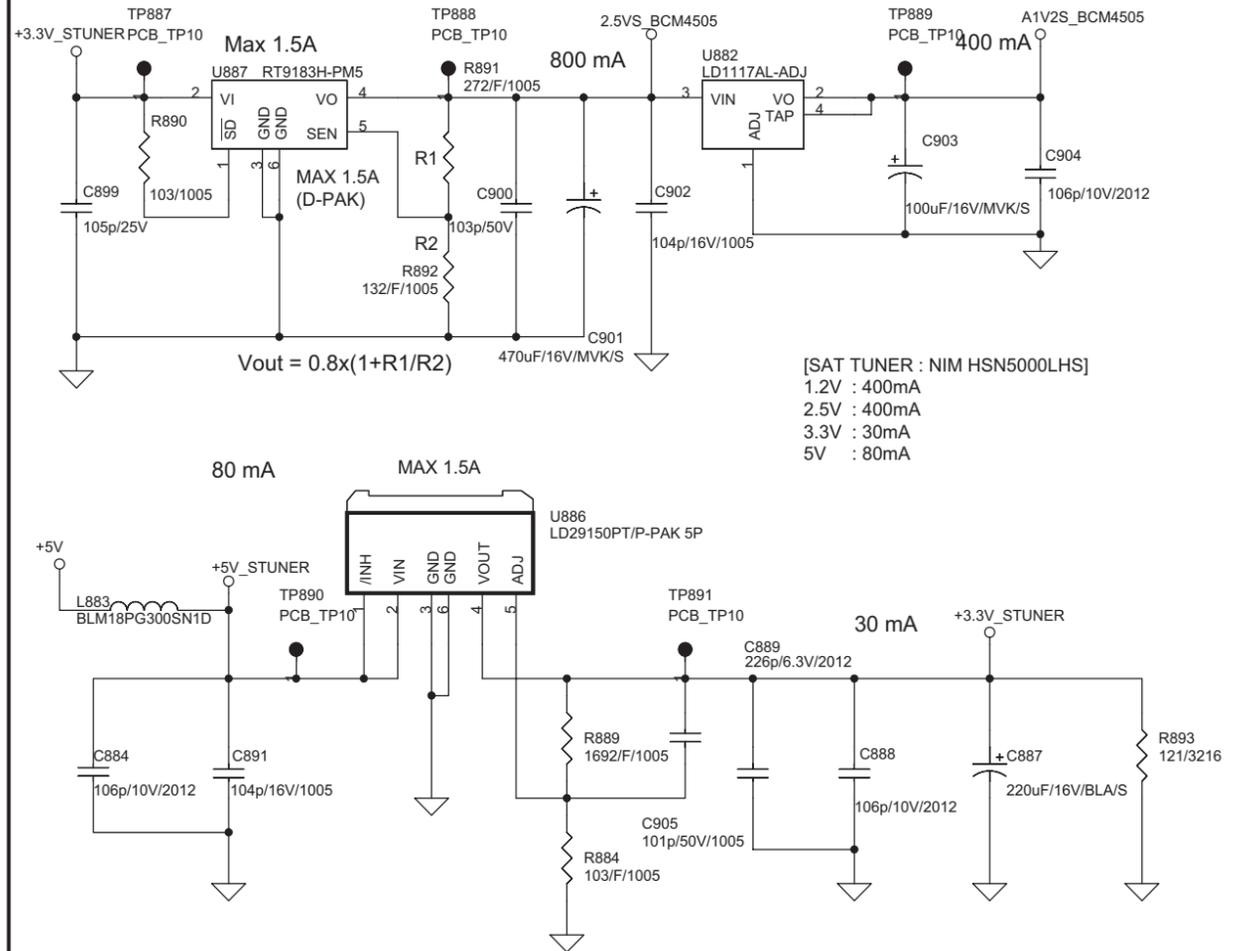
All location are from 851 to 880

MAIN PWB ASS'Y(24/46)
[TS Switch]
 HU-71100006

DVB-T POWER



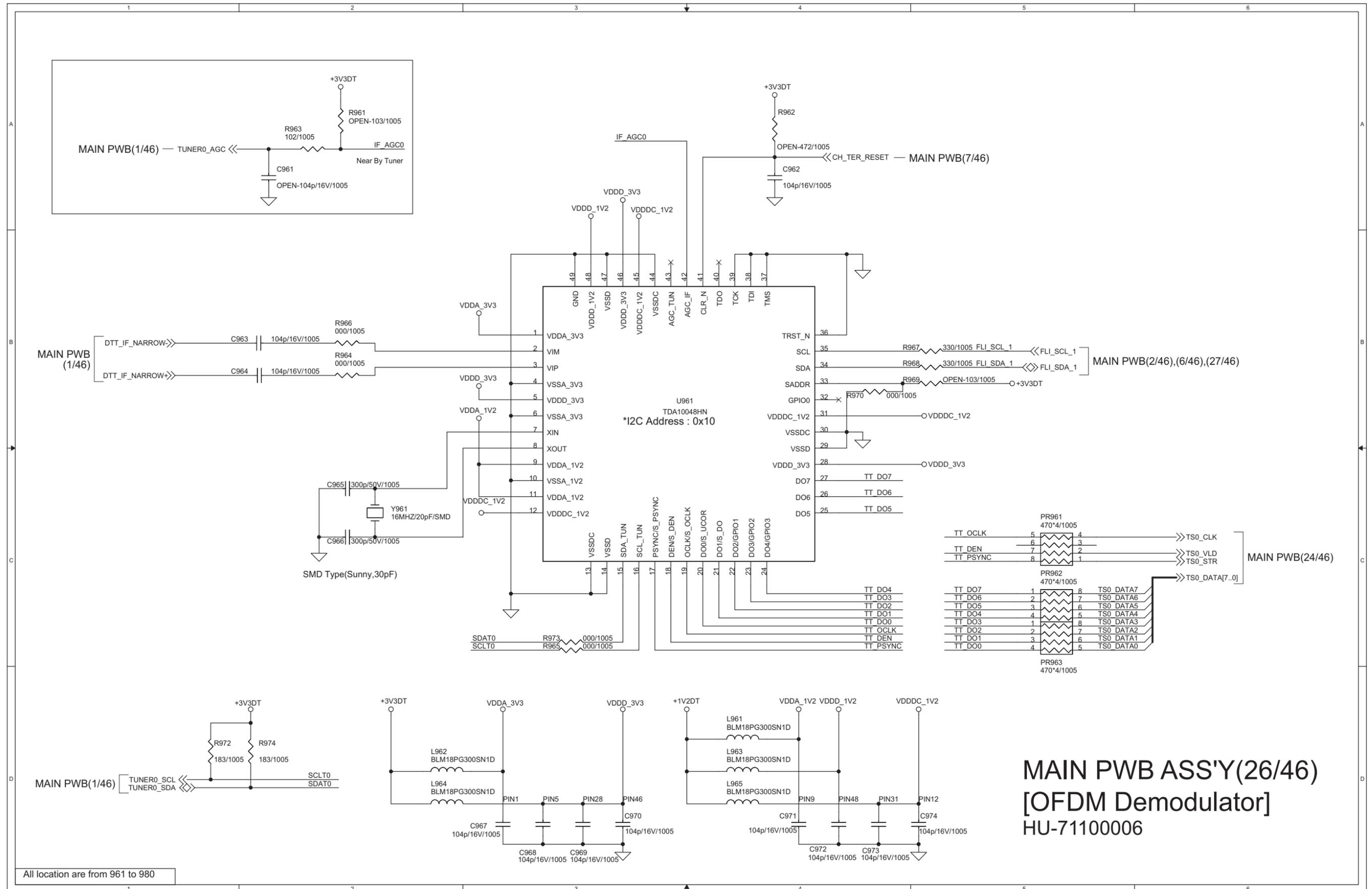
QPSK POWER

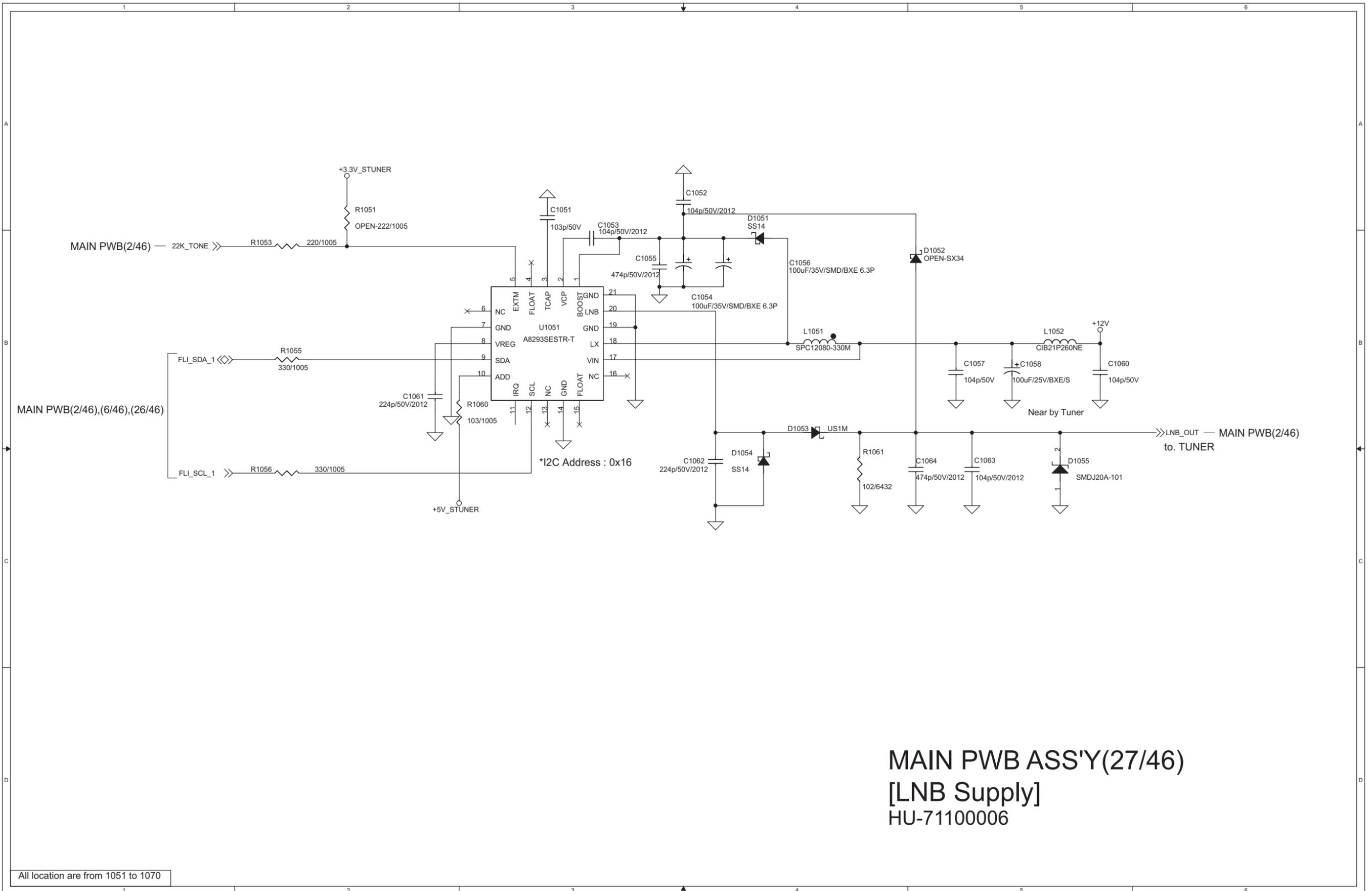


MAIN PWB ASS'Y(25/46)
[CHANNEL POWER]
HU-71100006

All location are from 881 to 920

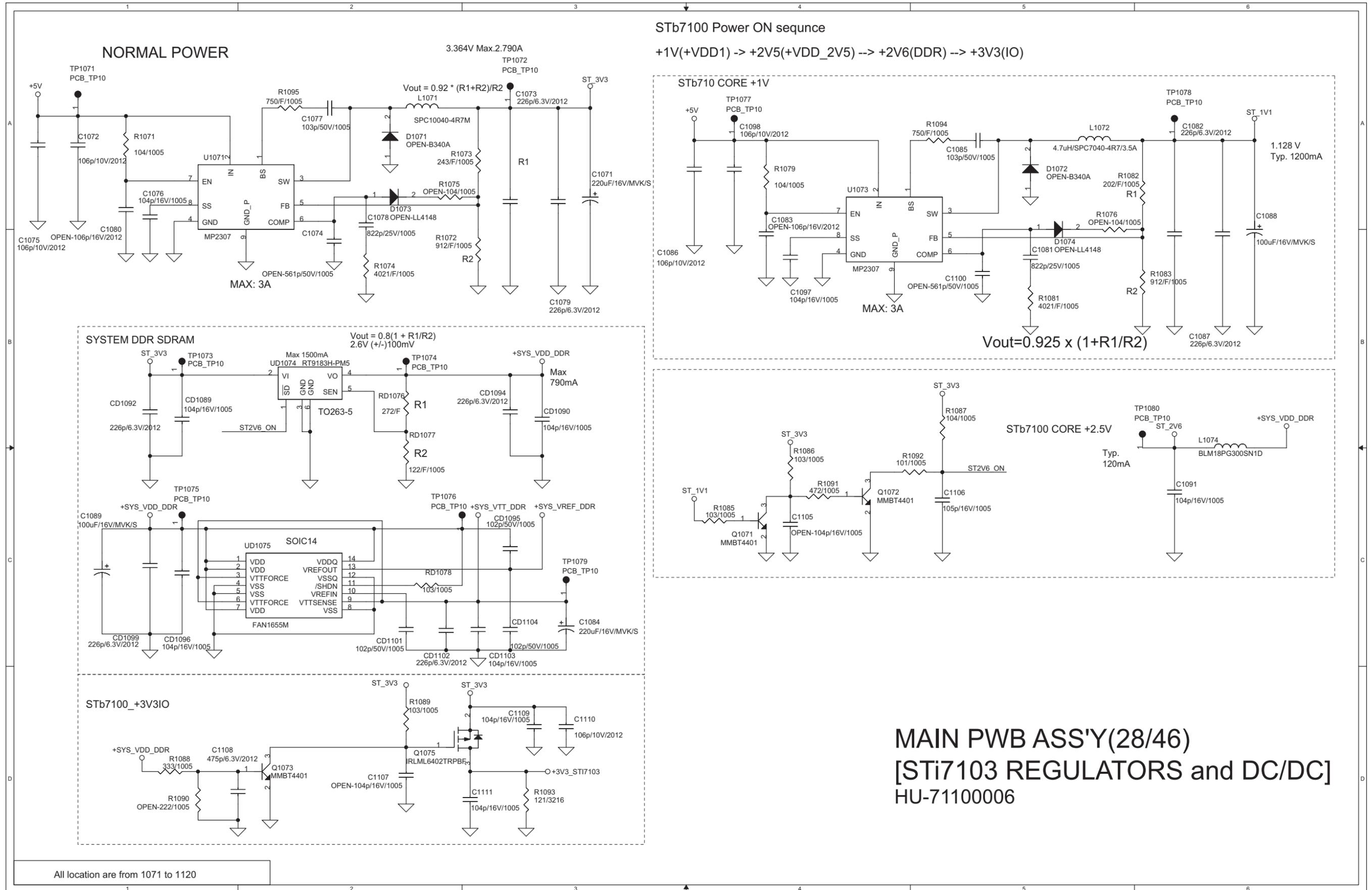
MAIN PWB CIRCUIT DIAGRAM (26/46) [OFDM Demodulator]



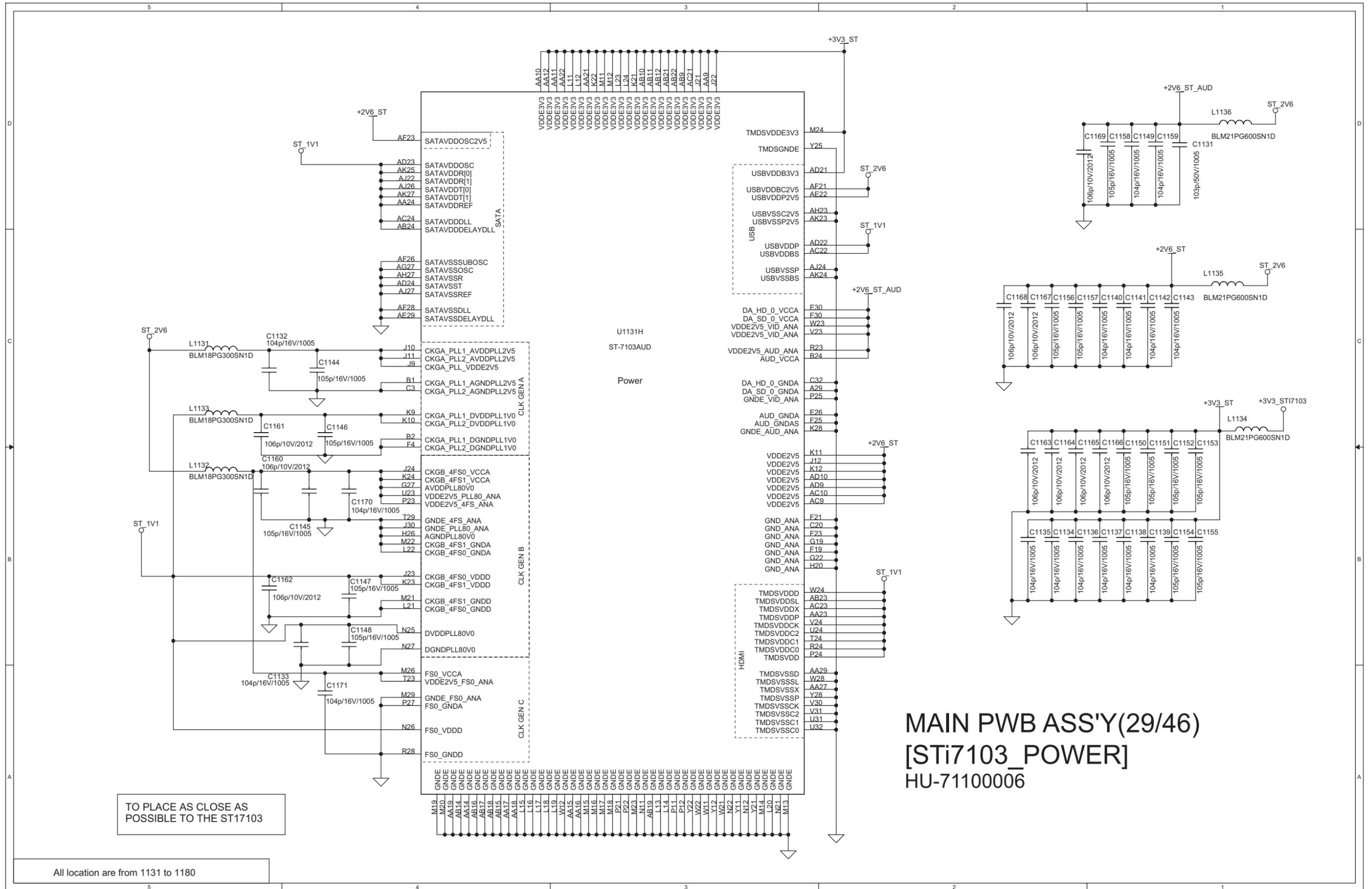


MAIN PWB ASS'Y(27/46)
[LNB Supply]
HU-71100006

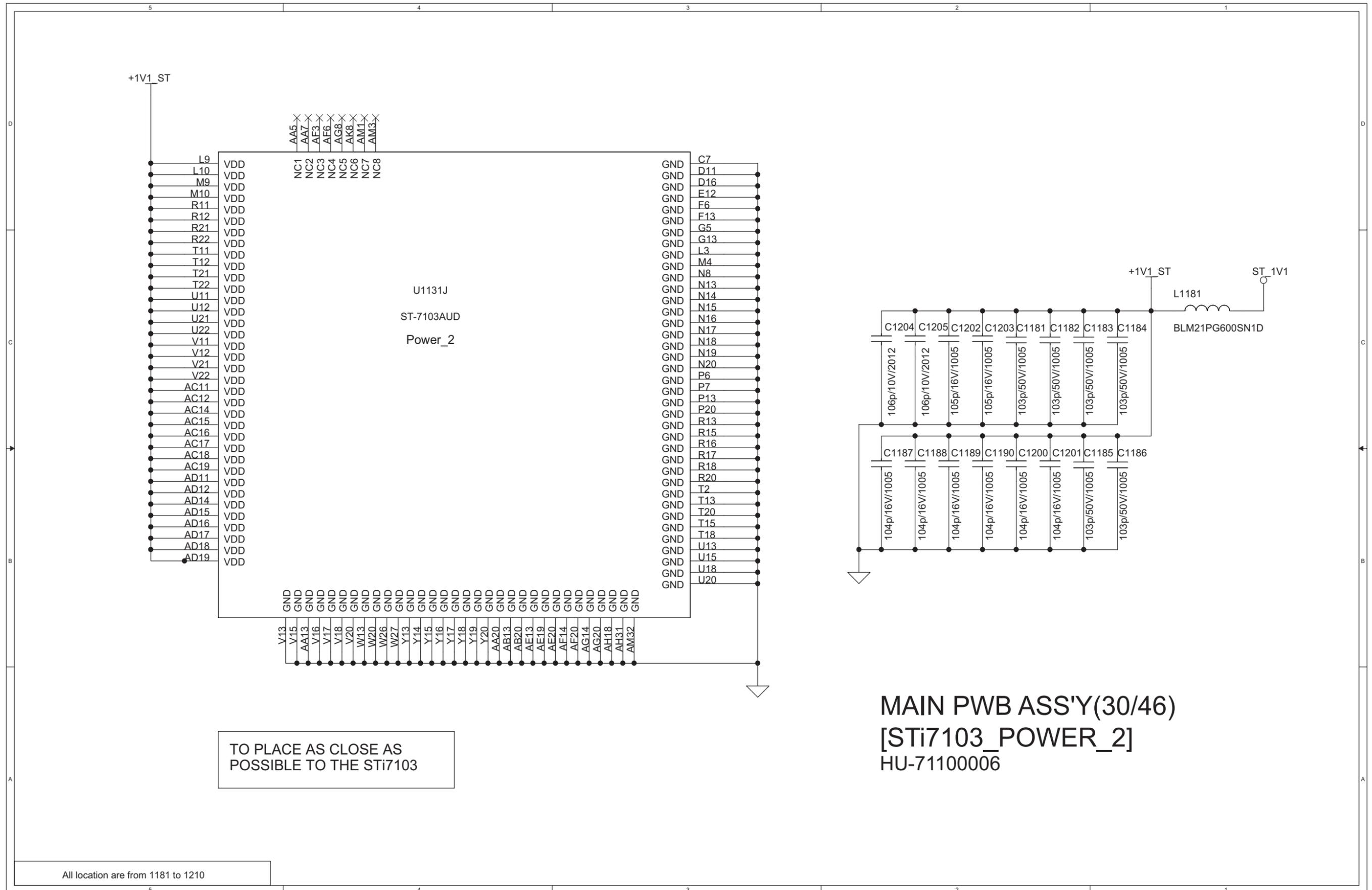
All location are from 1051 to 1070



MAIN PWB ASS'Y(28/46)
 [STi7103 REGULATORS and DC/DC]
 HU-71100006



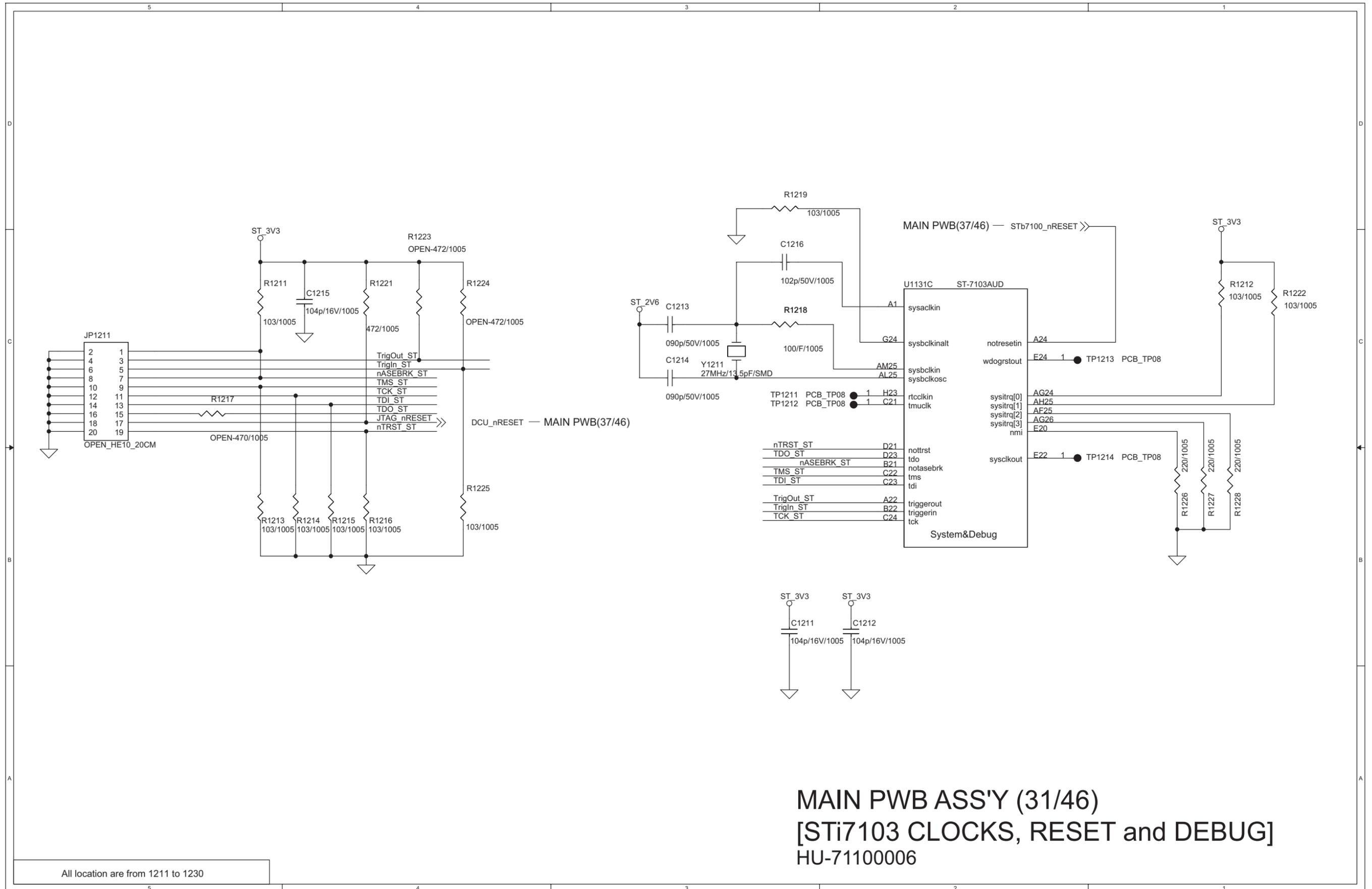
MAIN PWB ASS'Y(29/46)
[STi7103_POWER]
HU-71100006



TO PLACE AS CLOSE AS POSSIBLE TO THE STi7103

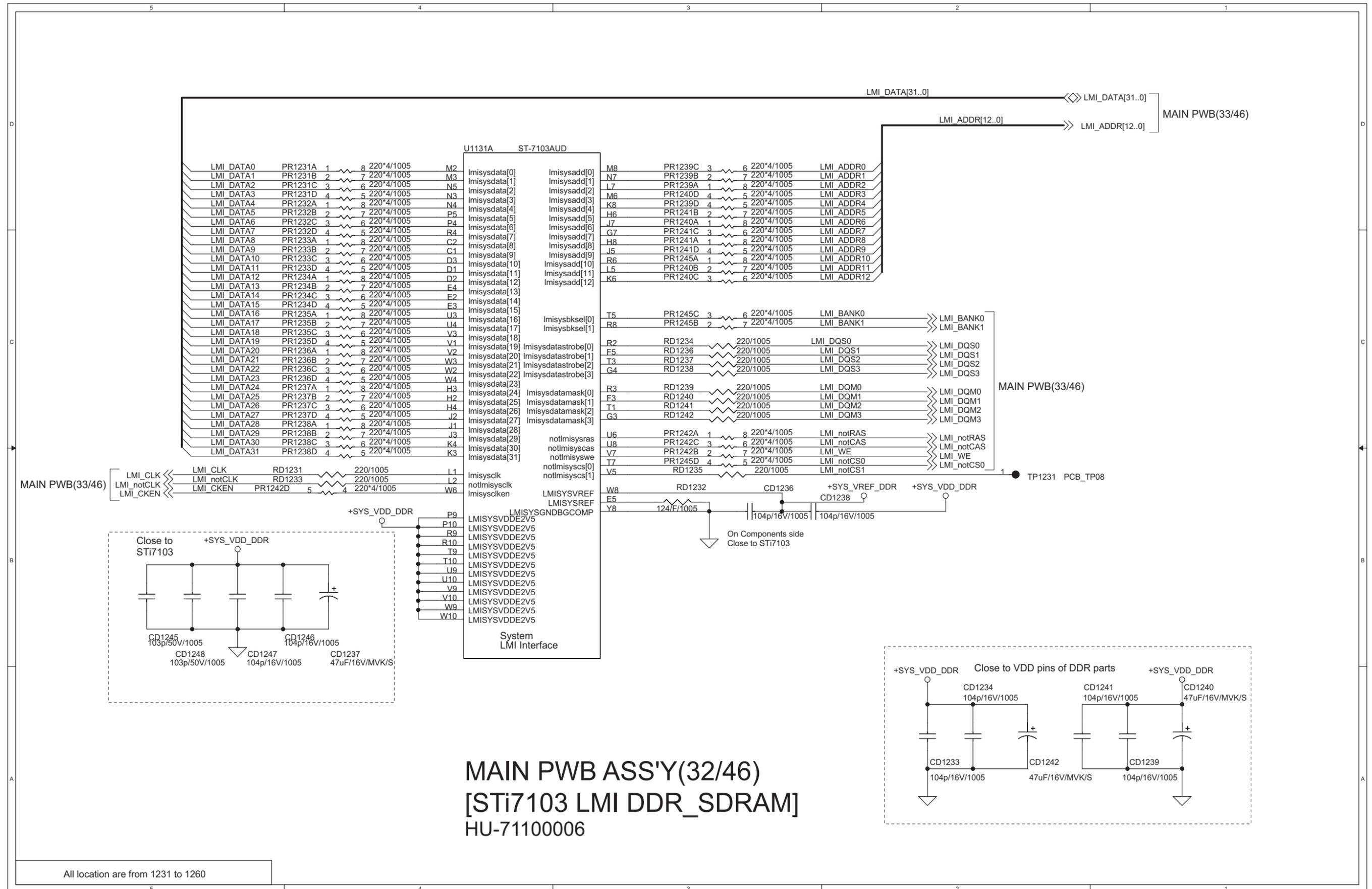
MAIN PWB ASS'Y(30/46)
[STi7103_POWER_2]
HU-71100006

All location are from 1181 to 1210



MAIN PWB ASS'Y (31/46)
[STi7103 CLOCKS, RESET and DEBUG]
 HU-71100006

All location are from 1211 to 1230



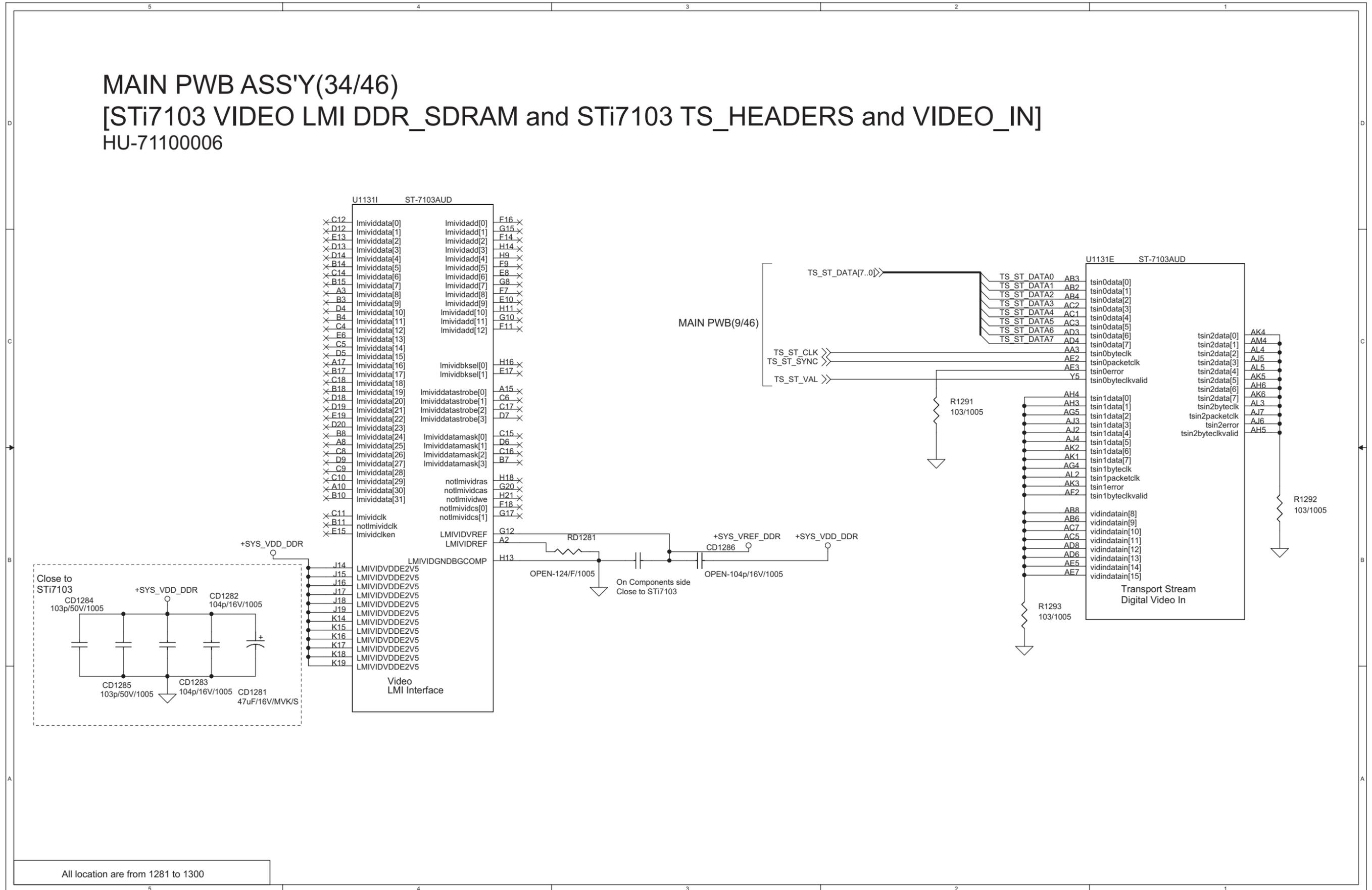
MAIN PWB ASS'Y(32/46)
[STi7103 LMI DDR_SDRAM]
HU-71100006

All location are from 1231 to 1260

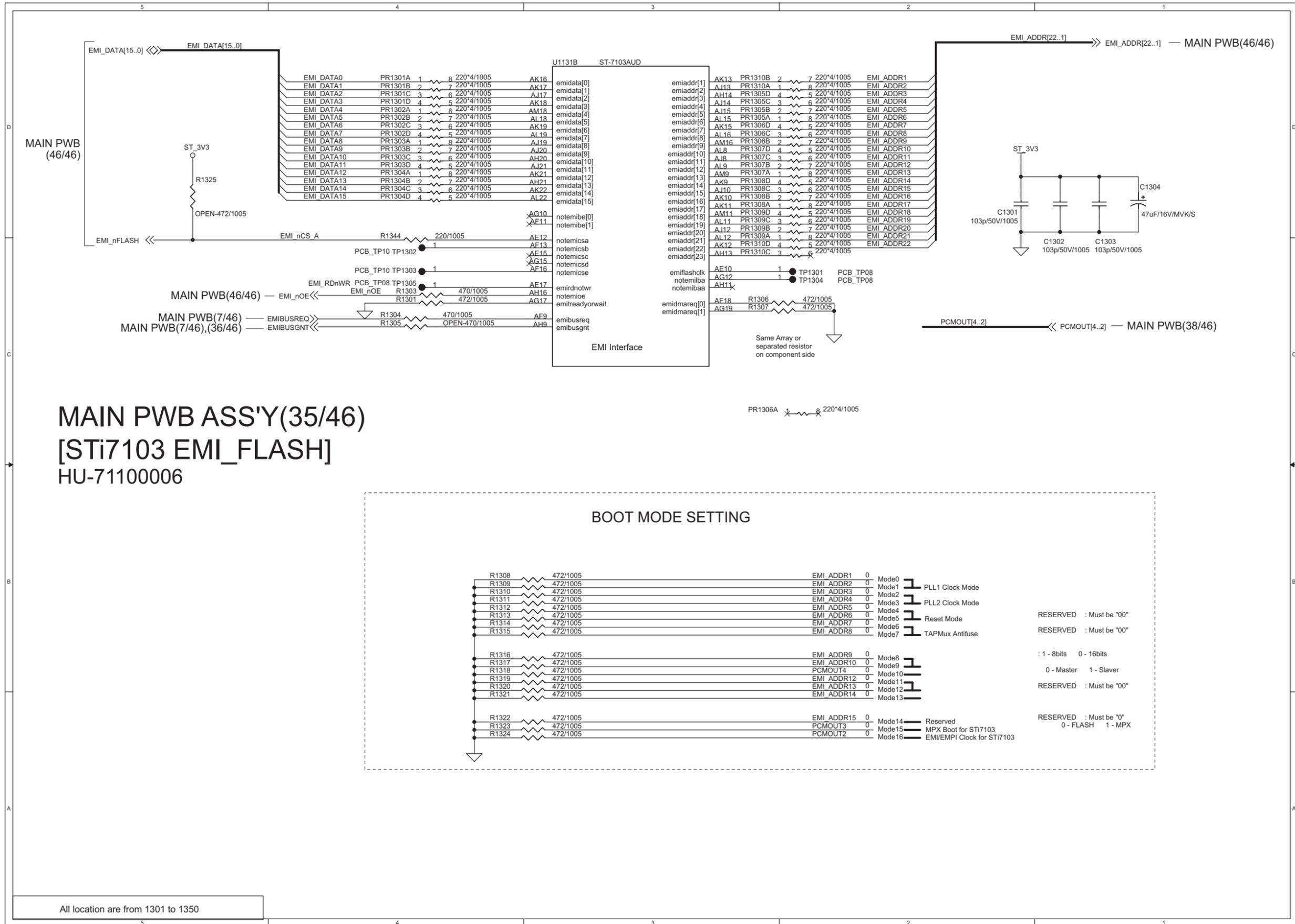
MAIN PWB ASS'Y(34/46)

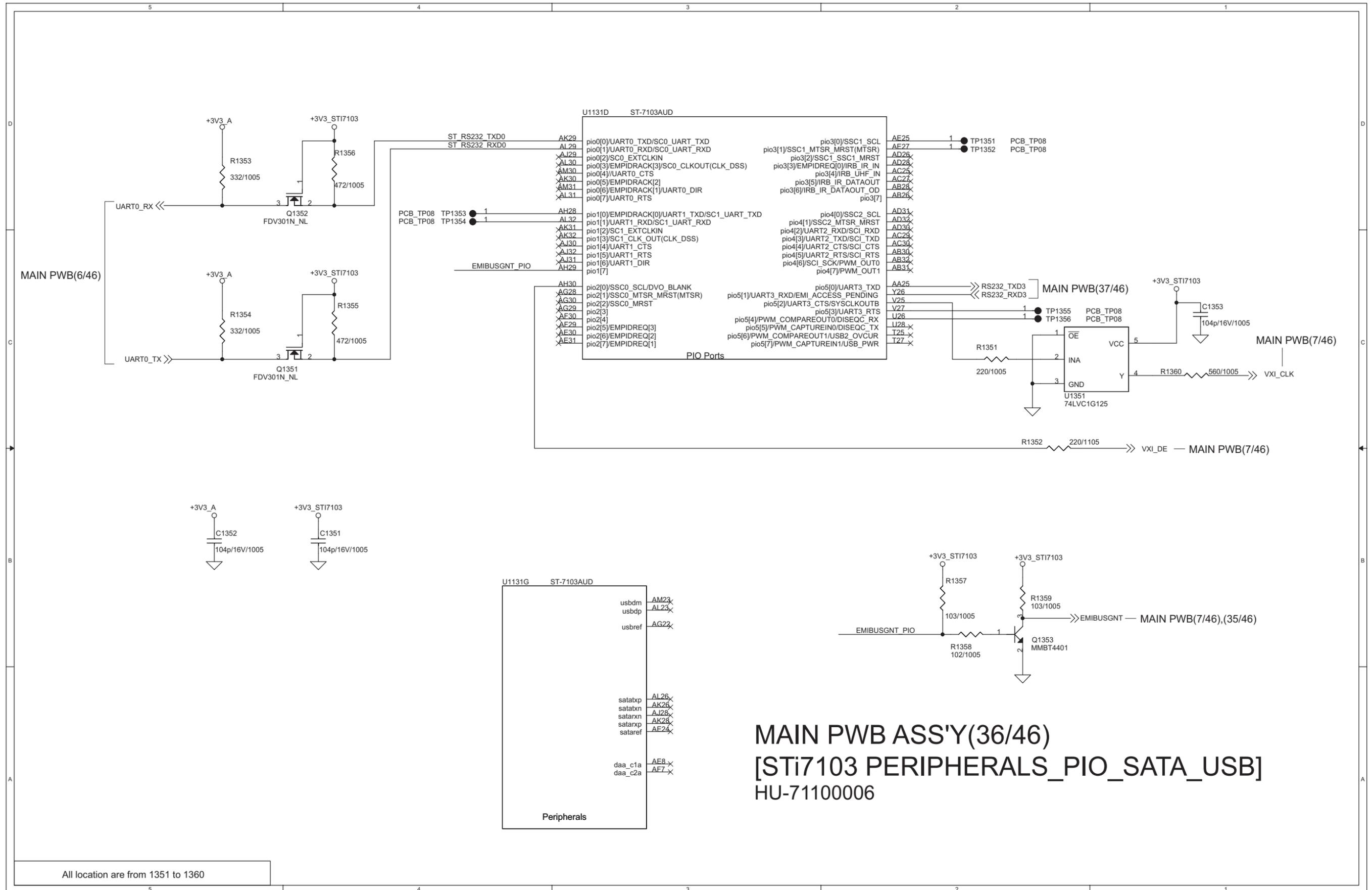
[STi7103 VIDEO LMI DDR_SDRAM and STi7103 TS_HEADERS and VIDEO_IN]

HU-71100006



All location are from 1281 to 1300

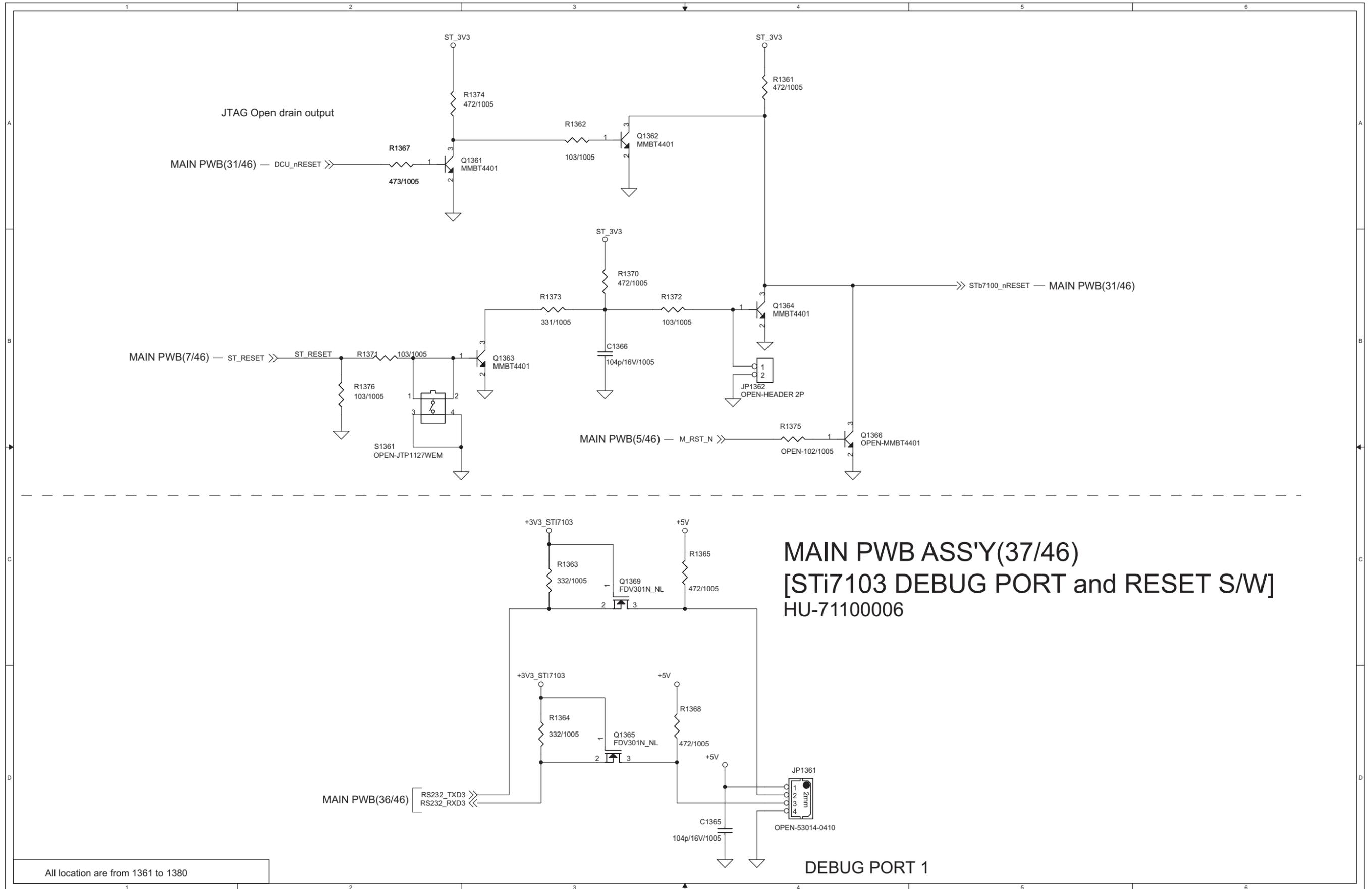




All location are from 1351 to 1360

MAIN PWB ASS'Y(36/46)
[STi7103 PERIPHERALS_PIO_SATA_USB]
HU-71100006

MAIN PWB CIRCUIT DIAGRAM (37/46) [STi7103 DEBUG PORT and RESET SW]

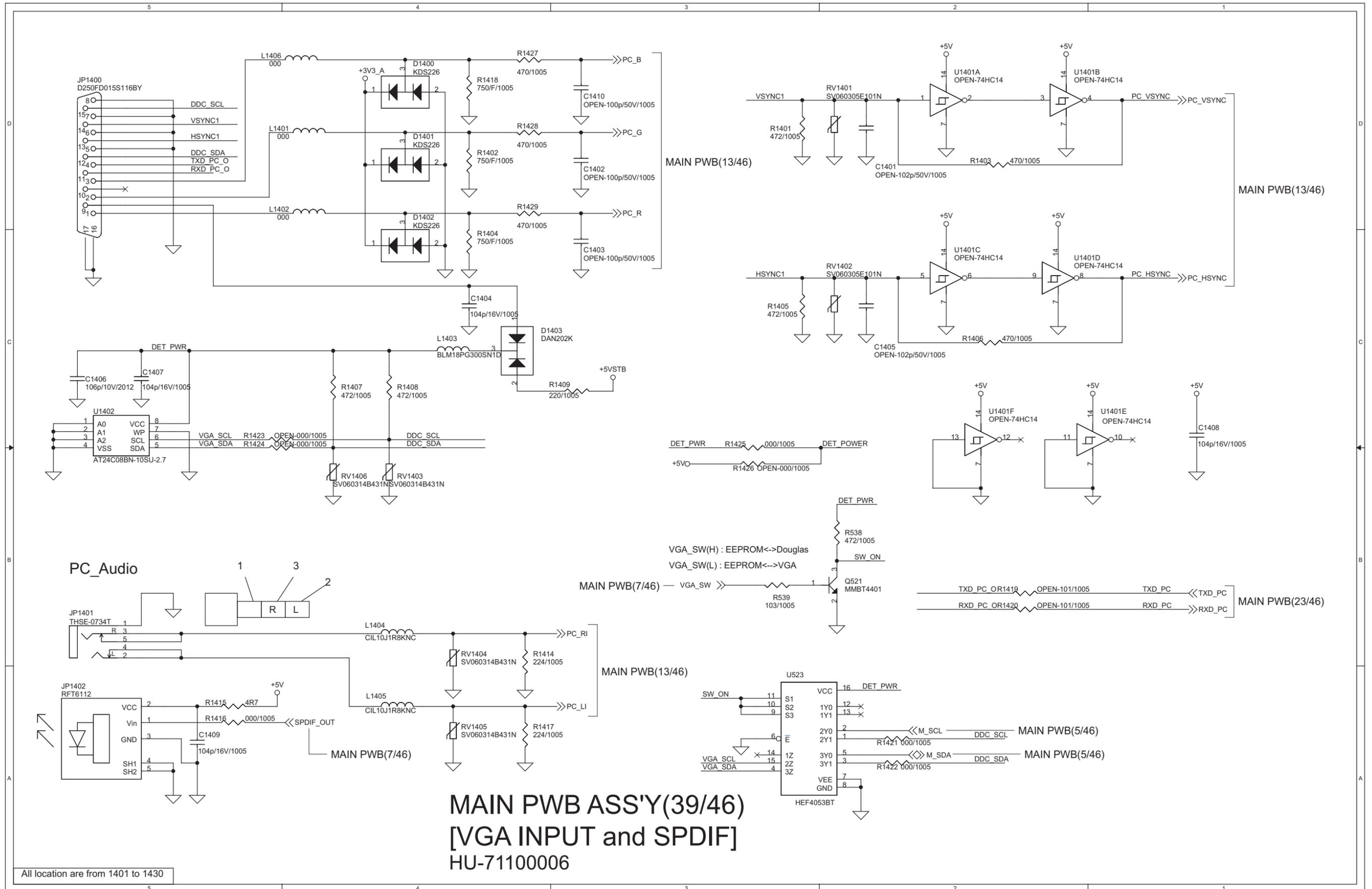


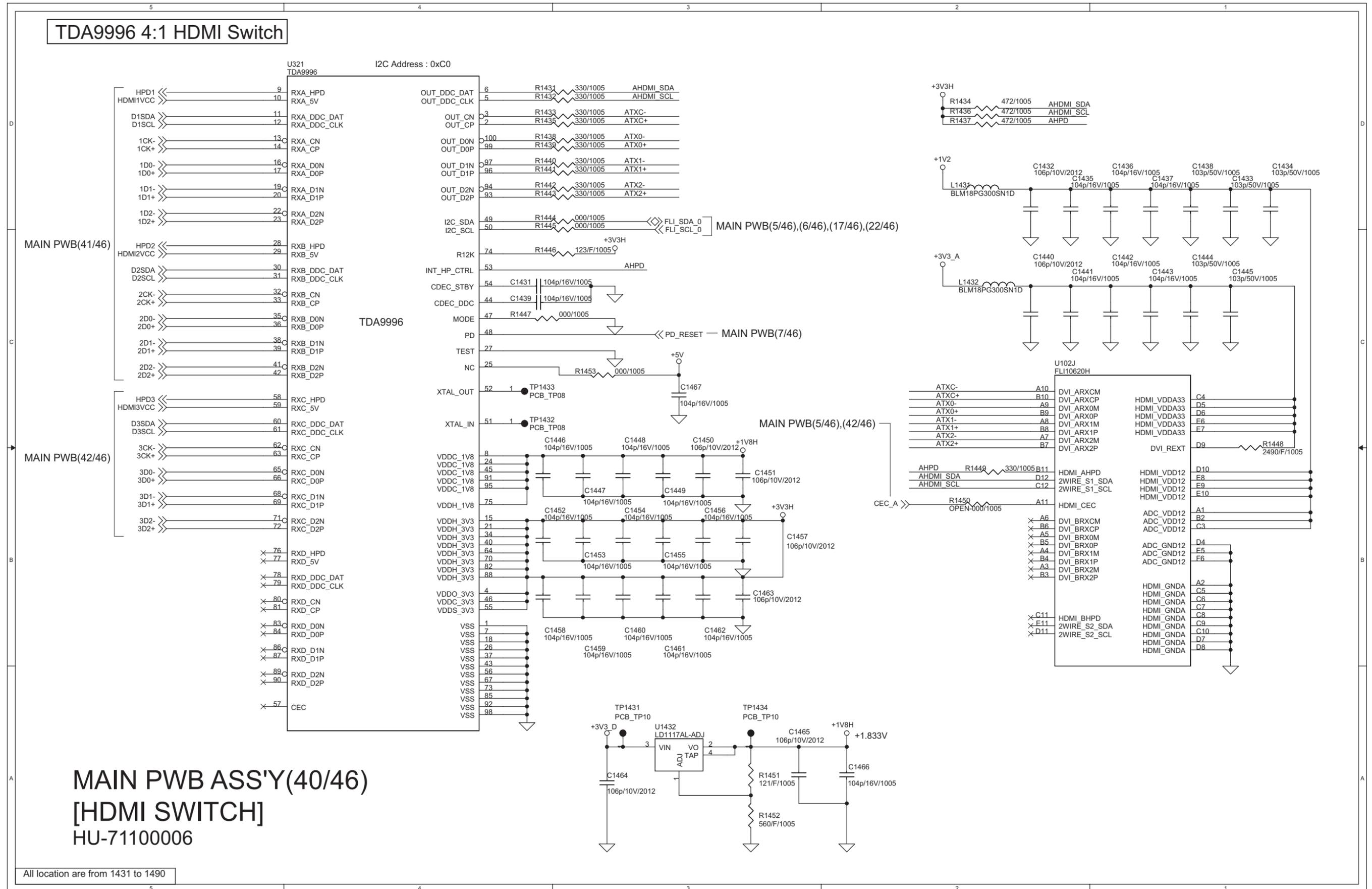
All location are from 1361 to 1380

MAIN PWB ASS'Y(37/46)
[STi7103 DEBUG PORT and RESET S/W]
HU-71100006

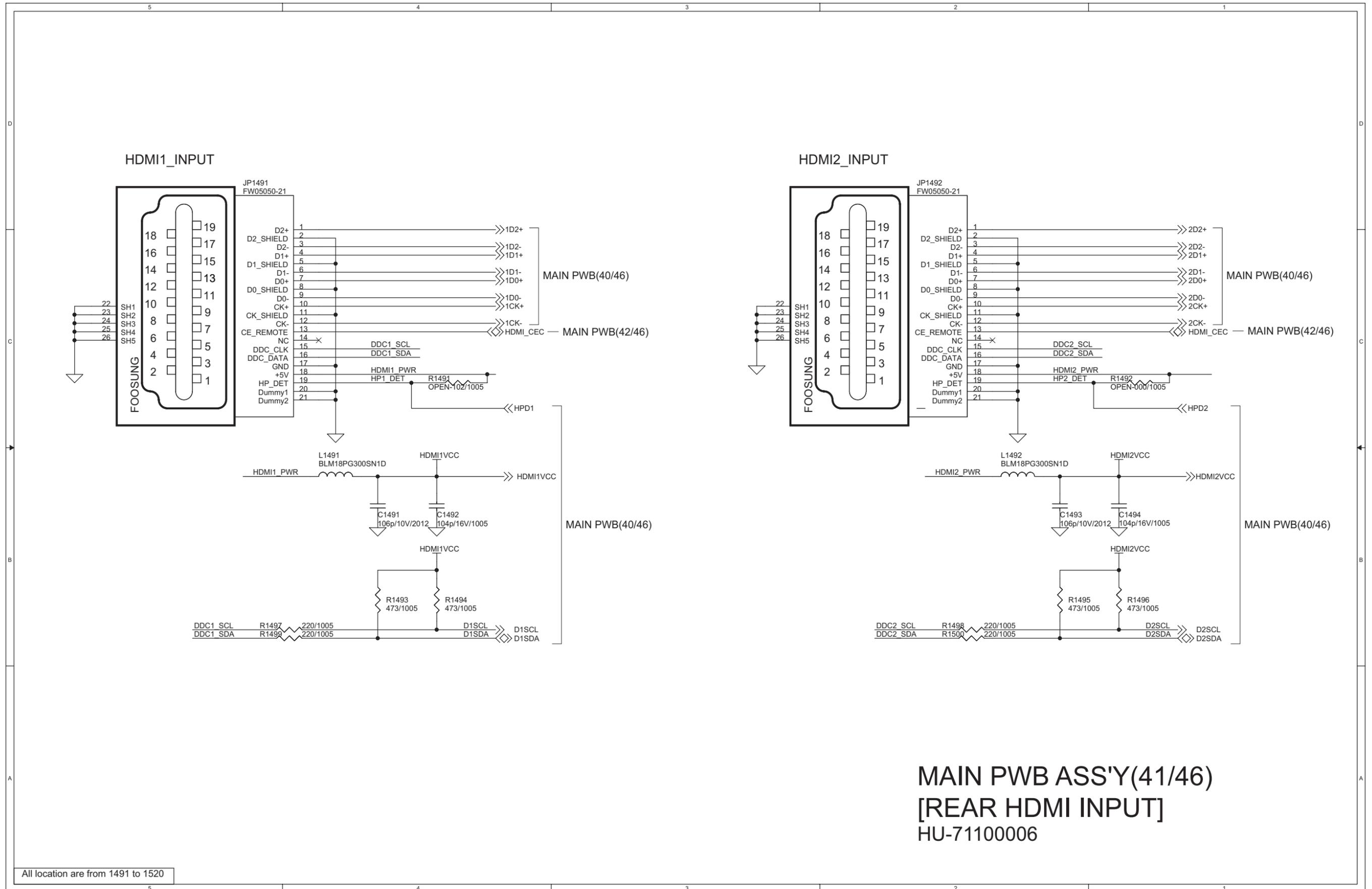
DEBUG PORT 1

MAIN PWB CIRCUIT DIAGRAM (39/46) [VGA INPUT and SPDIF]





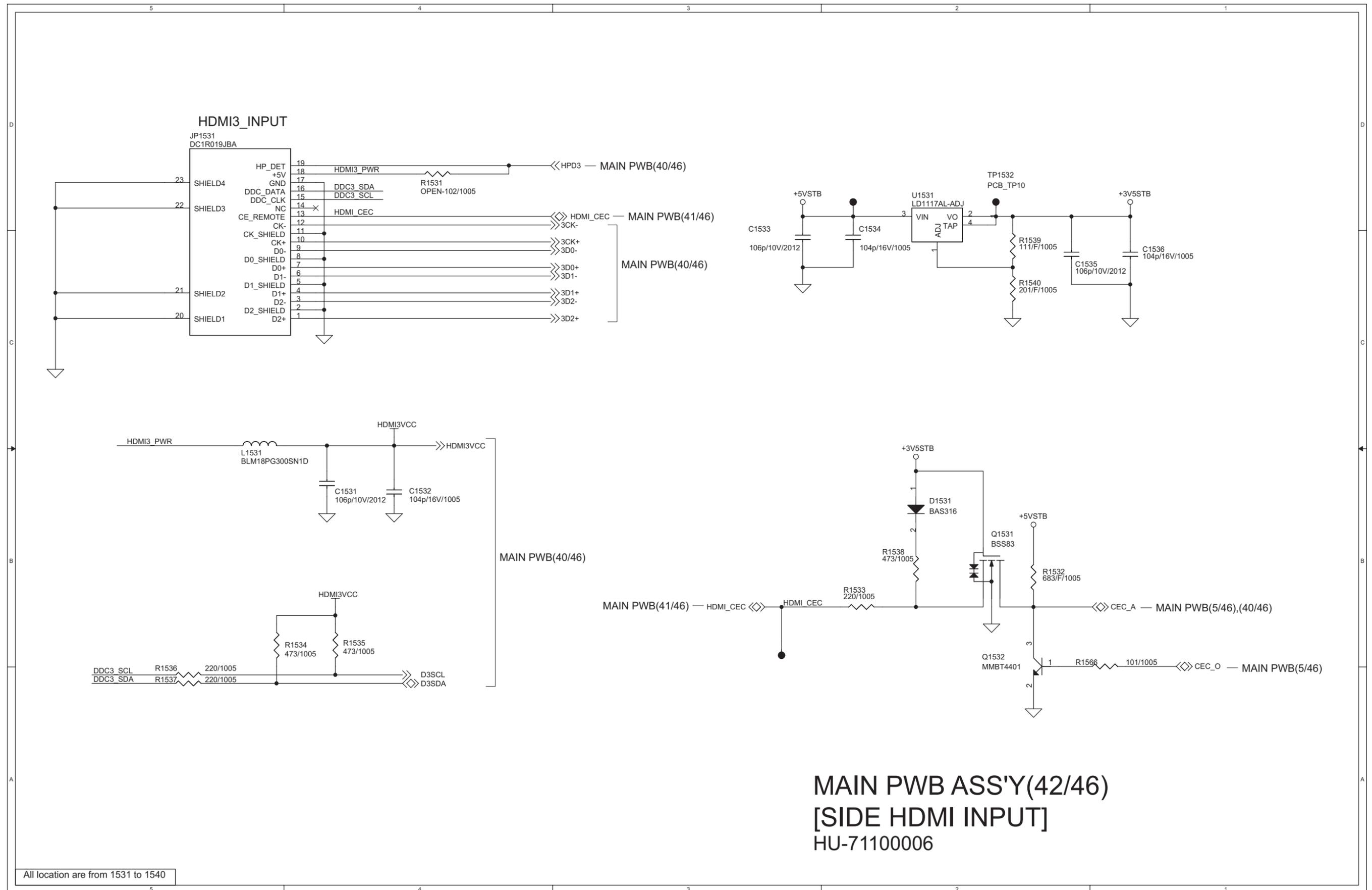
MAIN PWB CIRCUIT DIAGRAM (41/46) [REAR HDMI INPUT]



MAIN PWB ASS'Y(41/46)
[REAR HDMI INPUT]
HU-71100006

All location are from 1491 to 1520

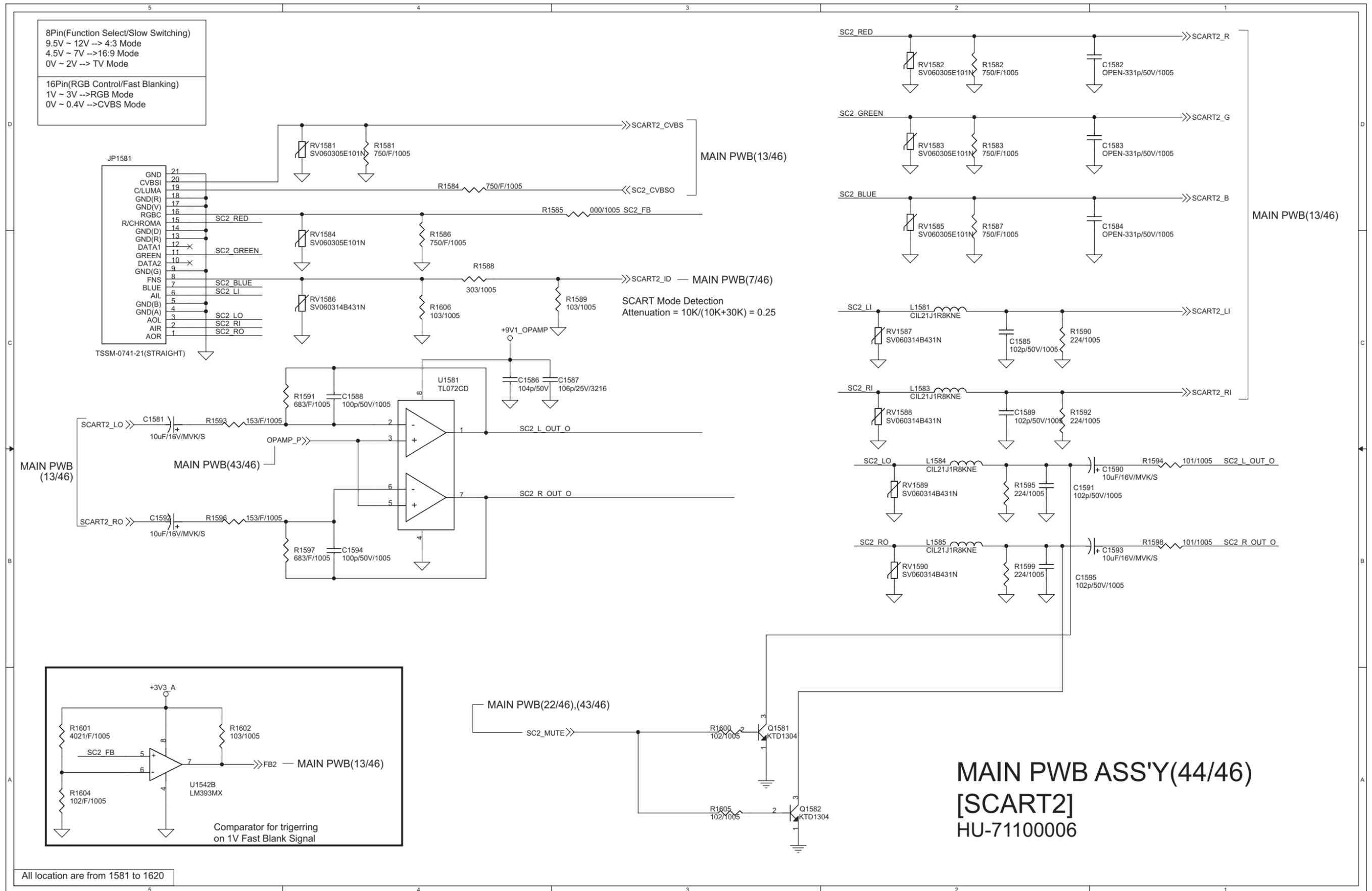
MAIN PWB CIRCUIT DIAGRAM (42/46) [SIDE HDMI INPUT]



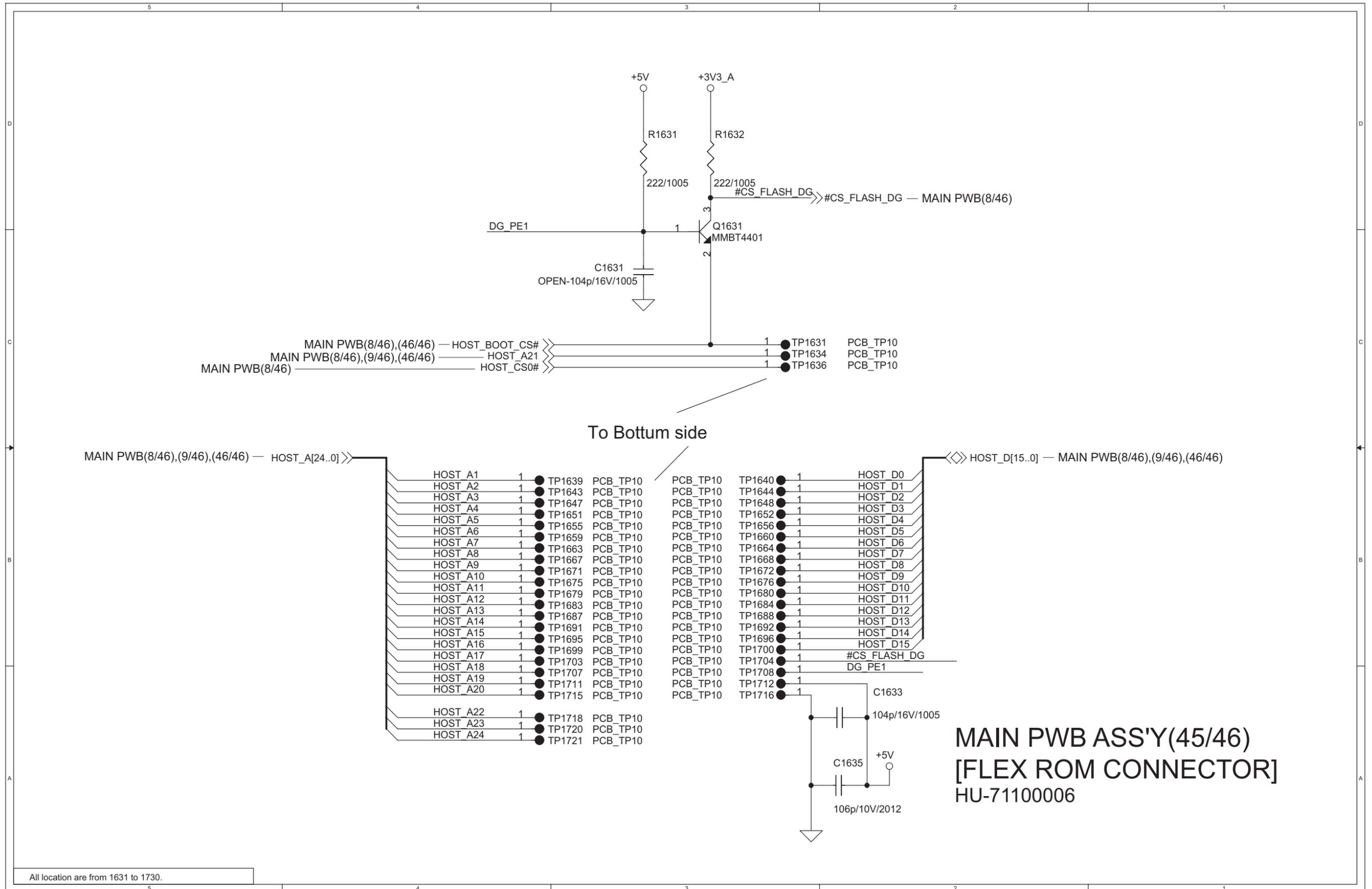
MAIN PWB ASS'Y(42/46)
[SIDE HDMI INPUT]
HU-71100006

All location are from 1531 to 1540

MAIN PWB CIRCUIT DIAGRAM (44/46) [SCART2]



MAIN PWB CIRCUIT DIAGRAM (45/46) [FLEX ROM CONNECTOR]



MAIN PWB(8/46),(46/46) — HOST_BOOT_CS# >>> 1 ● TP1631 PCB_TP10
 MAIN PWB(8/46),(9/46),(46/46) — HOST_A21 >>> 1 ● TP1634 PCB_TP10
 MAIN PWB(8/46) — HOST_CS0# >>> 1 ● TP1636 PCB_TP10

To Bottom side

MAIN PWB(8/46),(9/46),(46/46) — HOST_A[24..0] >>>

HOST A1	1	●	TP1639	PCB_TP10
HOST A2	1	●	TP1643	PCB_TP10
HOST A3	1	●	TP1647	PCB_TP10
HOST A4	1	●	TP1651	PCB_TP10
HOST A5	1	●	TP1655	PCB_TP10
HOST A6	1	●	TP1659	PCB_TP10
HOST A7	1	●	TP1663	PCB_TP10
HOST A8	1	●	TP1667	PCB_TP10
HOST A9	1	●	TP1671	PCB_TP10
HOST A10	1	●	TP1675	PCB_TP10
HOST A11	1	●	TP1679	PCB_TP10
HOST A12	1	●	TP1683	PCB_TP10
HOST A13	1	●	TP1687	PCB_TP10
HOST A14	1	●	TP1691	PCB_TP10
HOST A15	1	●	TP1695	PCB_TP10
HOST A16	1	●	TP1699	PCB_TP10
HOST A17	1	●	TP1703	PCB_TP10
HOST A18	1	●	TP1707	PCB_TP10
HOST A19	1	●	TP1711	PCB_TP10
HOST A20	1	●	TP1715	PCB_TP10
HOST A22	1	●	TP1718	PCB_TP10
HOST A23	1	●	TP1720	PCB_TP10
HOST A24	1	●	TP1721	PCB_TP10

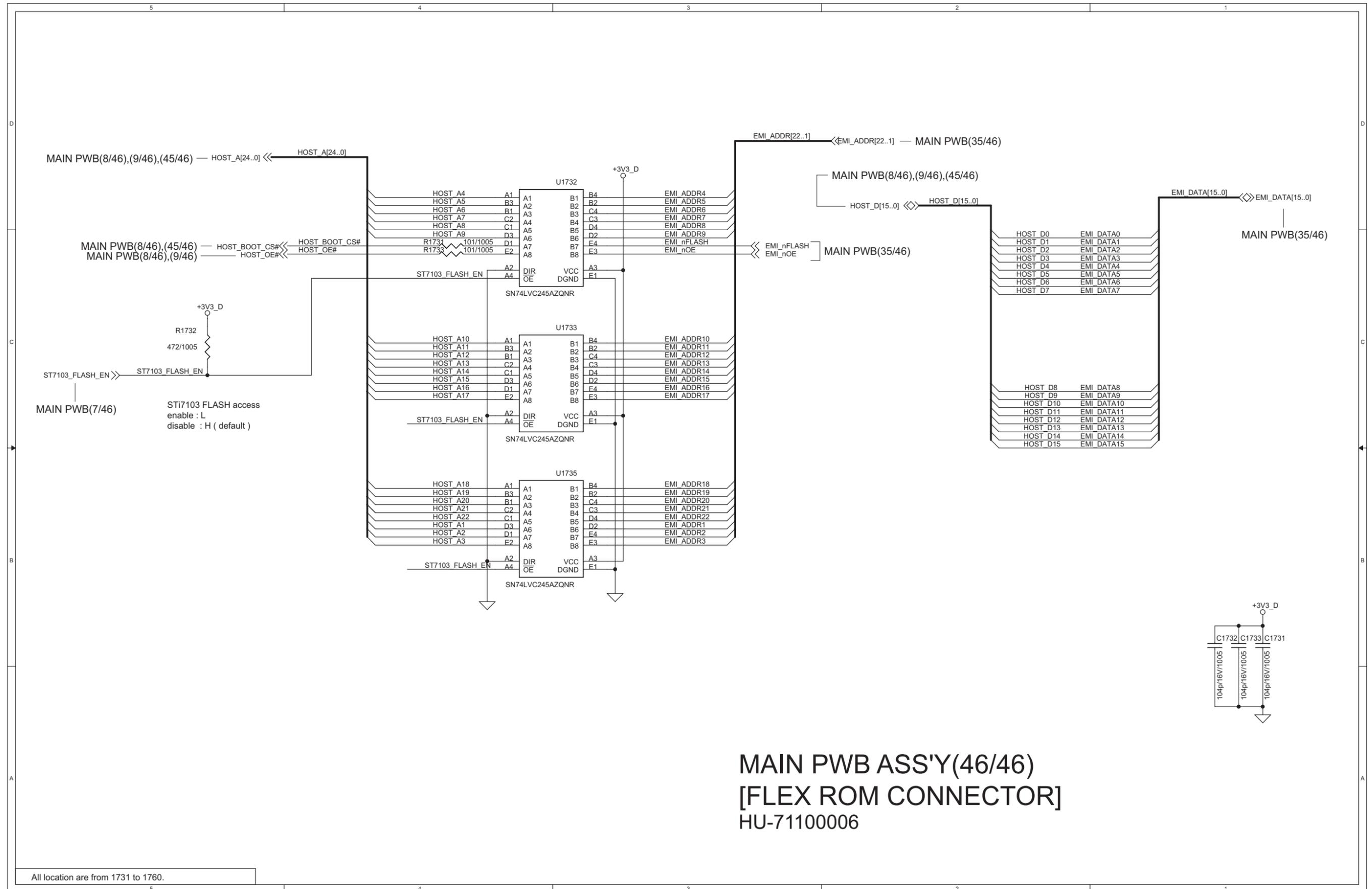
PCB_TP10 TP1640 ● 1 HOST D0
 PCB_TP10 TP1644 ● 1 HOST D1
 PCB_TP10 TP1648 ● 1 HOST D2
 PCB_TP10 TP1652 ● 1 HOST D3
 PCB_TP10 TP1656 ● 1 HOST D4
 PCB_TP10 TP1660 ● 1 HOST D5
 PCB_TP10 TP1664 ● 1 HOST D6
 PCB_TP10 TP1668 ● 1 HOST D7
 PCB_TP10 TP1672 ● 1 HOST D8
 PCB_TP10 TP1676 ● 1 HOST D9
 PCB_TP10 TP1680 ● 1 HOST D10
 PCB_TP10 TP1684 ● 1 HOST D11
 PCB_TP10 TP1688 ● 1 HOST D12
 PCB_TP10 TP1692 ● 1 HOST D13
 PCB_TP10 TP1696 ● 1 HOST D14
 PCB_TP10 TP1700 ● 1 HOST D15
 PCB_TP10 TP1704 ● 1 #CS_FLASH_DG
 PCB_TP10 TP1708 ● 1 DG_PE1
 PCB_TP10 TP1712 ● 1
 PCB_TP10 TP1716 ● 1

<<< HOST_D[15..0] — MAIN PWB(8/46),(9/46),(46/46)

MAIN PWB ASS'Y(45/46)
[FLEX ROM CONNECTOR]
HU-71100006

All location are from 1631 to 1730.

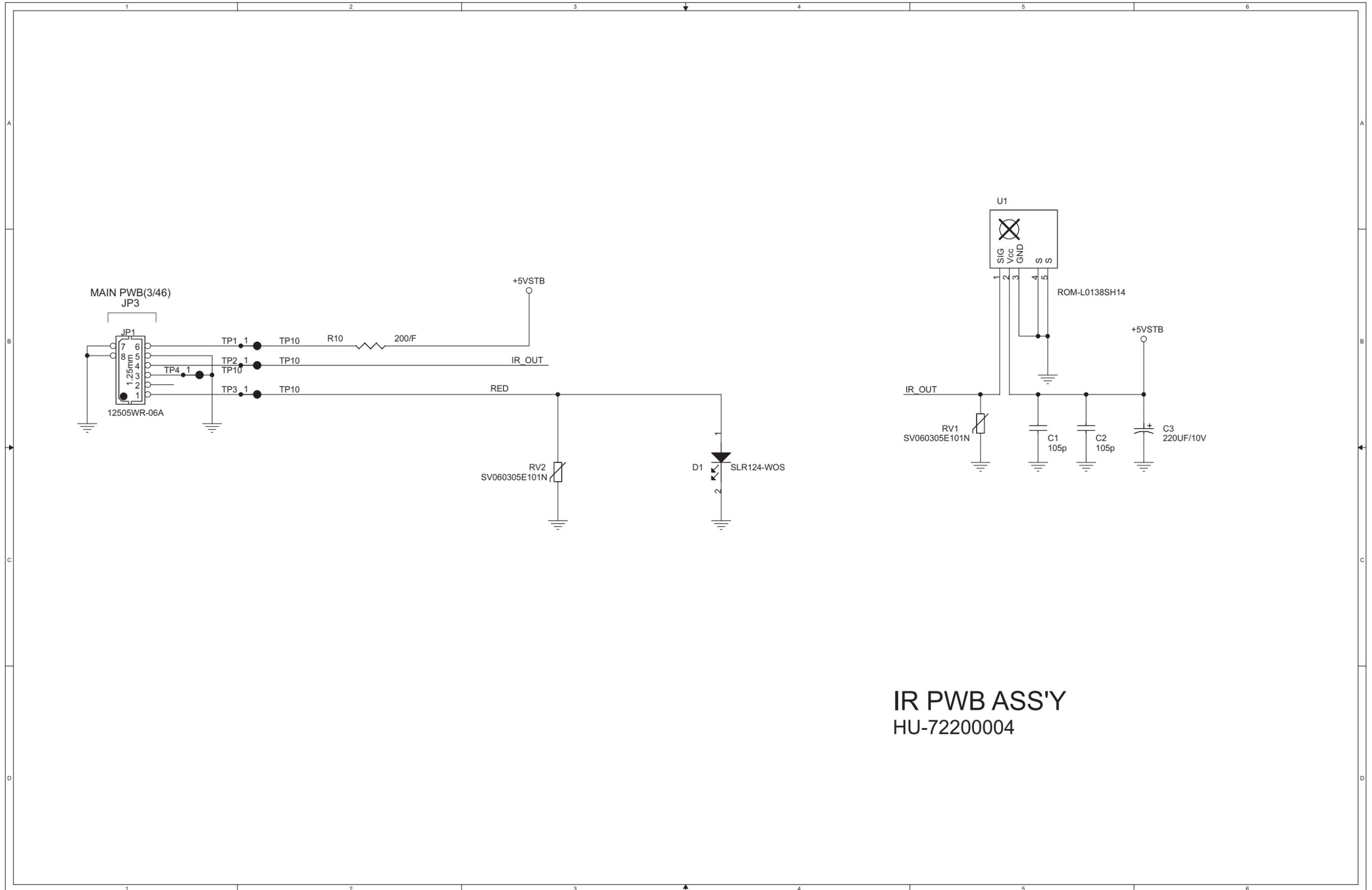
MAIN PWB CIRCUIT DIAGRAM (46/46) [FLEX ROM CONNECTOR]



MAIN PWB ASS'Y(46/46)
[FLEX ROM CONNECTOR]
HU-71100006

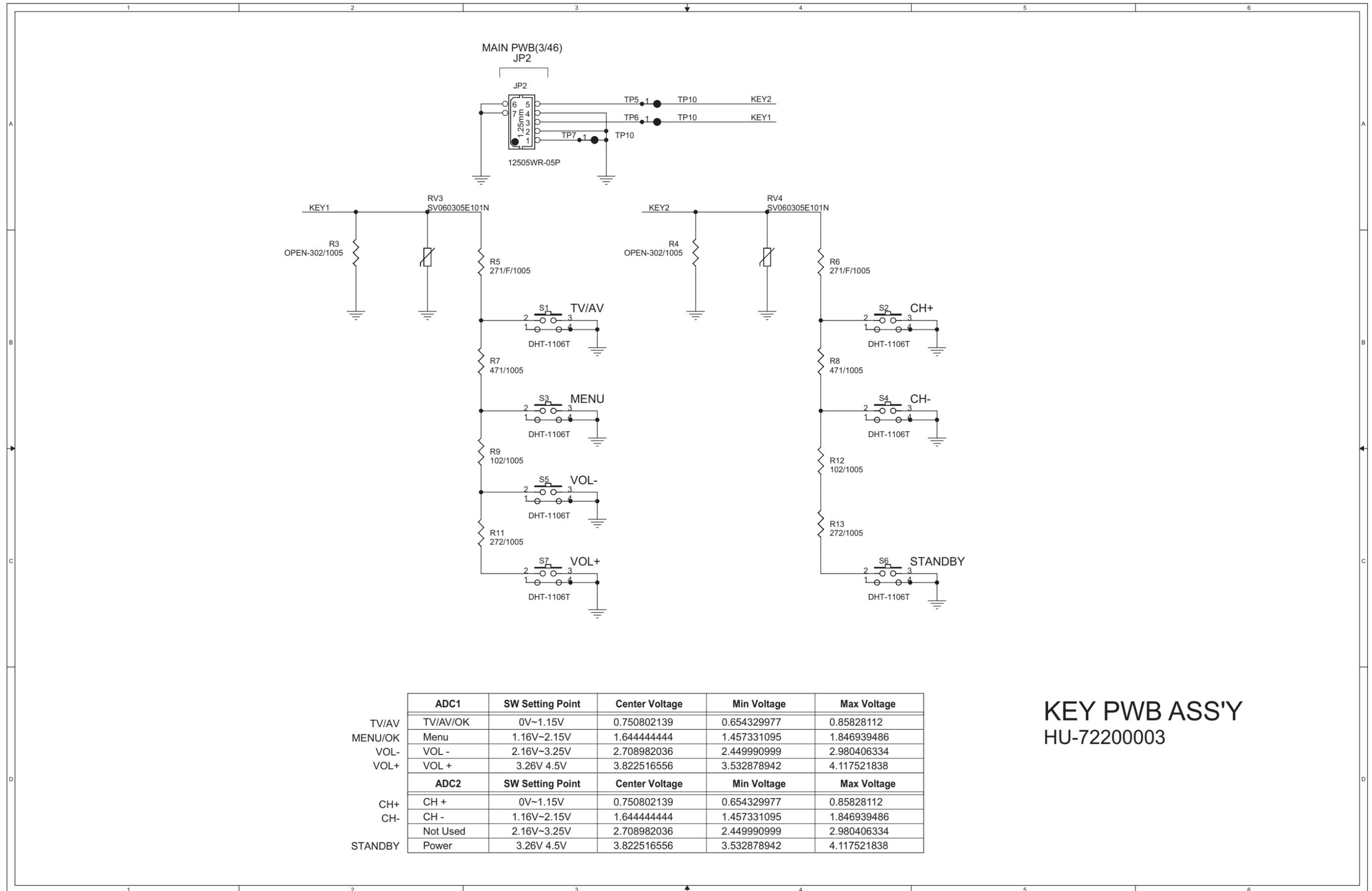
All location are from 1731 to 1760.

IR PWB CIRCUIT DIAGRAM



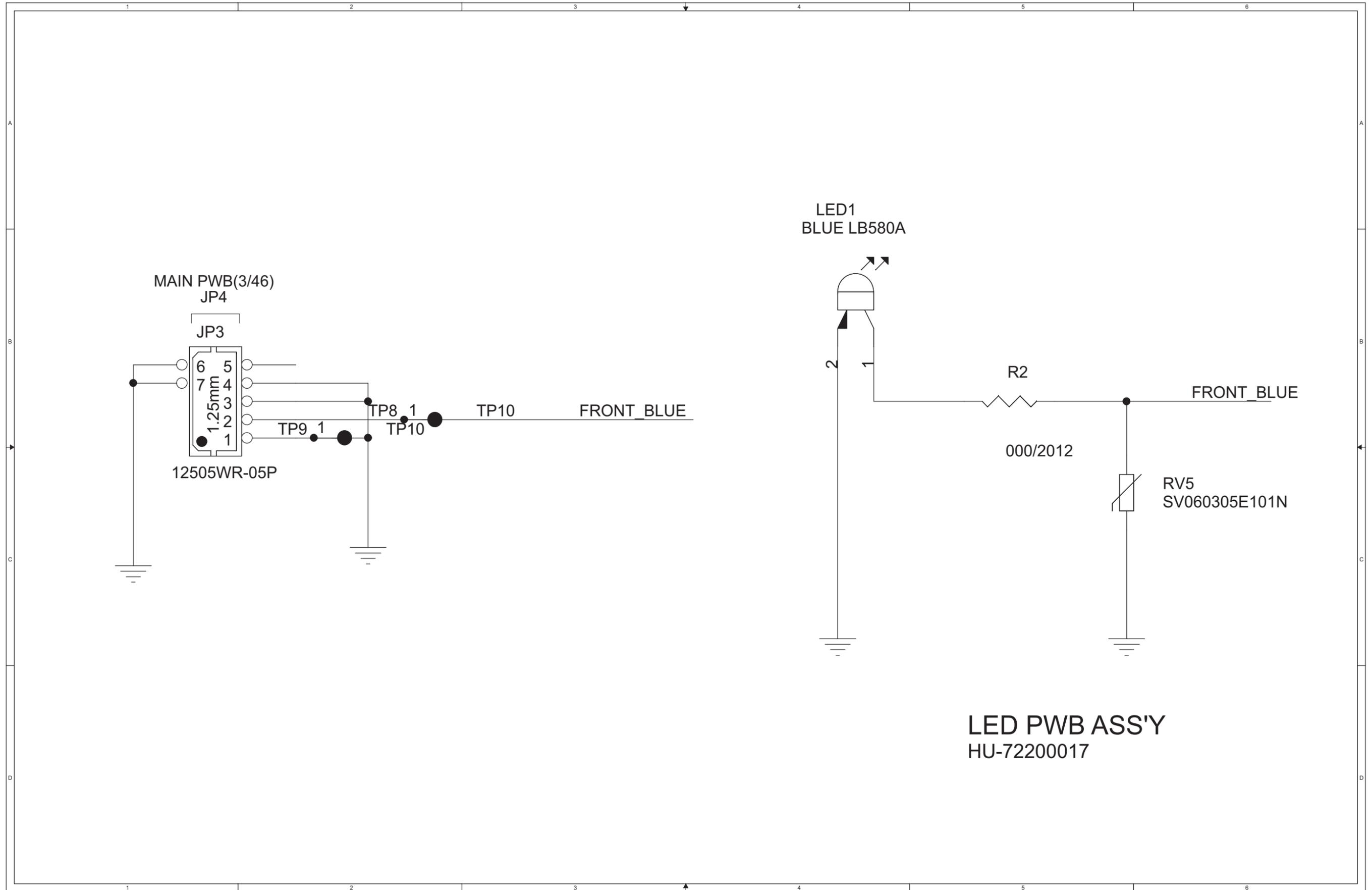
IR PWB ASS'Y
HU-72200004

KEY PWB CIRCUIT DIAGRAM



KEY PWB ASS'Y
HU-72200003

LED PWB CIRCUIT DIAGRAM

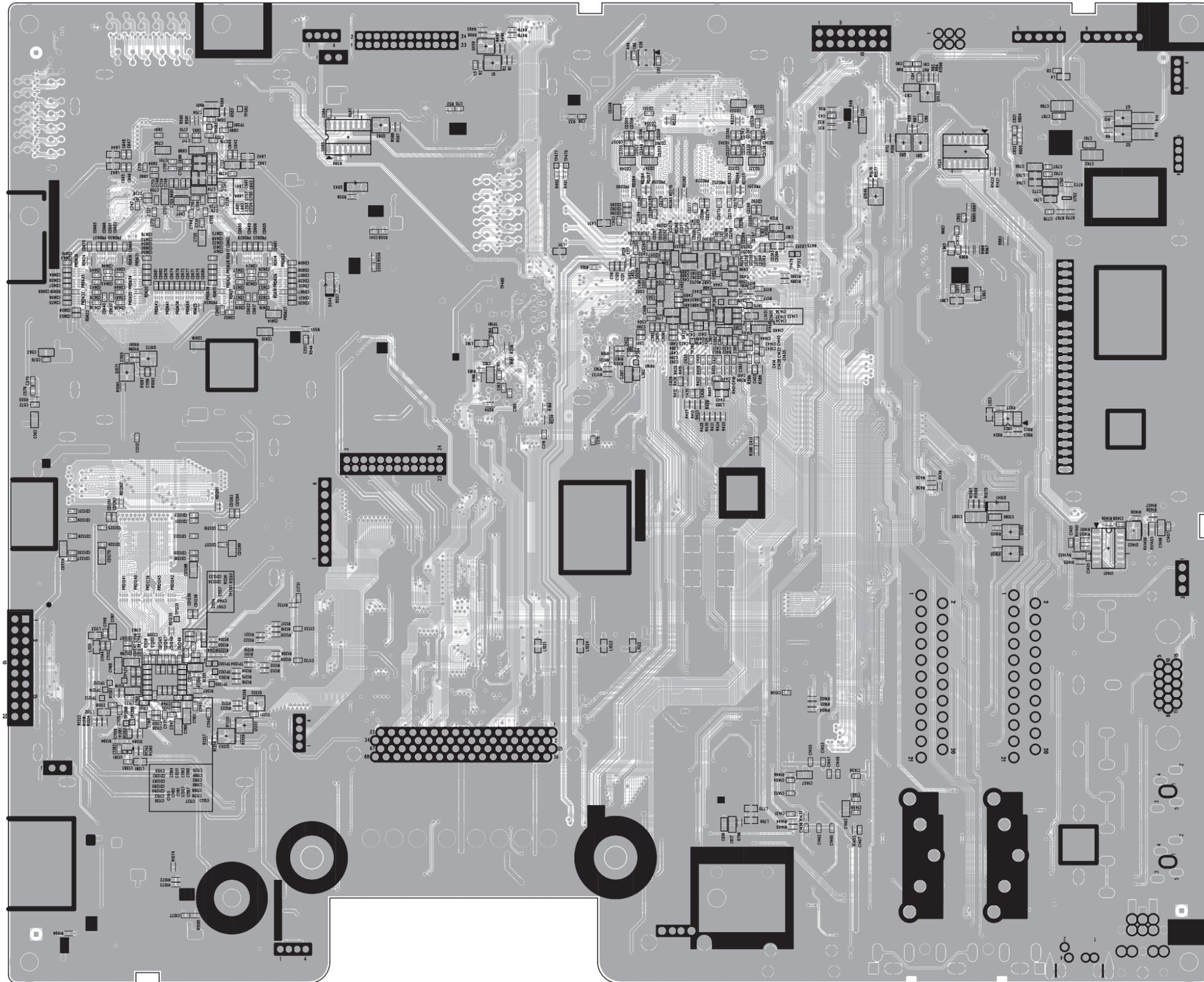


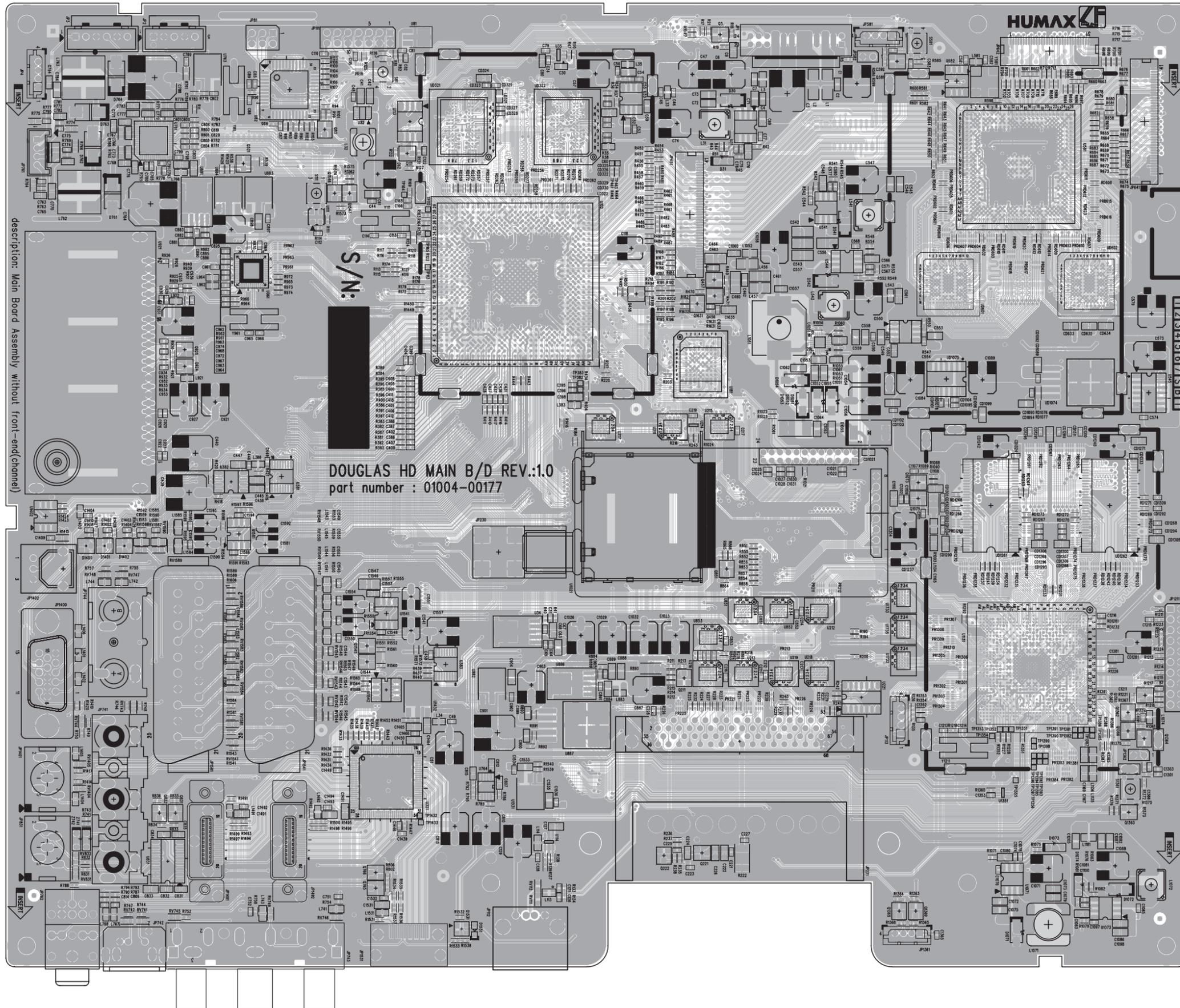
LED PWB ASS'Y
HU-72200017

PATTERN DIAGRAMS

MAIN PWB PATTERN [SOLDER SIDE]

TOP







Victor Company of Japan, Limited

Display Division 12, 3-chome, Moriya-cho, Kanagawa-ku, Yokohama-city, Kanagawa-prefecture, 221-8528, Japan

(No.YA707<Rev.001>)

Printed in Japan
VSE

PARTS LIST

CAUTION

- The parts identified by the Δ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS		CAPACITORS	
CR	Carbon Resistor	C CAP.	Ceramic Capacitor
FR	Fusible Resistor	E CAP.	Electrolytic Capacitor
PR	Plate Resistor	M CAP.	Mylar Capacitor
VR	Variable Resistor	CH CAP.	Chip Capacitor
HV R	High Voltage Resistor	HV CAP.	High Voltage Capacitor
MF R	Metal Film Resistor	MF CAP.	Metalized Film Capacitor
MG R	Metal Glazed Resistor	MM CAP.	Metalized Mylar Capacitor
MP R	Metal Plate Resistor	MP CAP.	Metalized Polystyrol Capacitor
OM R	Metal Oxide Film Resistor	PP CAP.	Polypropylene Capacitor
CMF R	Coating Metal Film Resistor	PS CAP.	Polystyrol Capacitor
UNF R	Non-Flammable Resistor	TF CAP.	Thin Film Capacitor
CH V R	Chip Variable Resistor	MPP CAP.	Metalized Polypropylene Capacitor
CH MG R	Chip Metal Glazed Resistor	TAN. CAP.	Tantalum Capacitor
COMP. R	Composition Resistor	CH C CAP.	Chip Ceramic Capacitor
LPTC R	Linear Positive Temperature Coefficient Resistor	BP E CAP.	Bi-Polar Electrolytic Capacitor
		CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
		CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
		CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
		CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

CONTENTS

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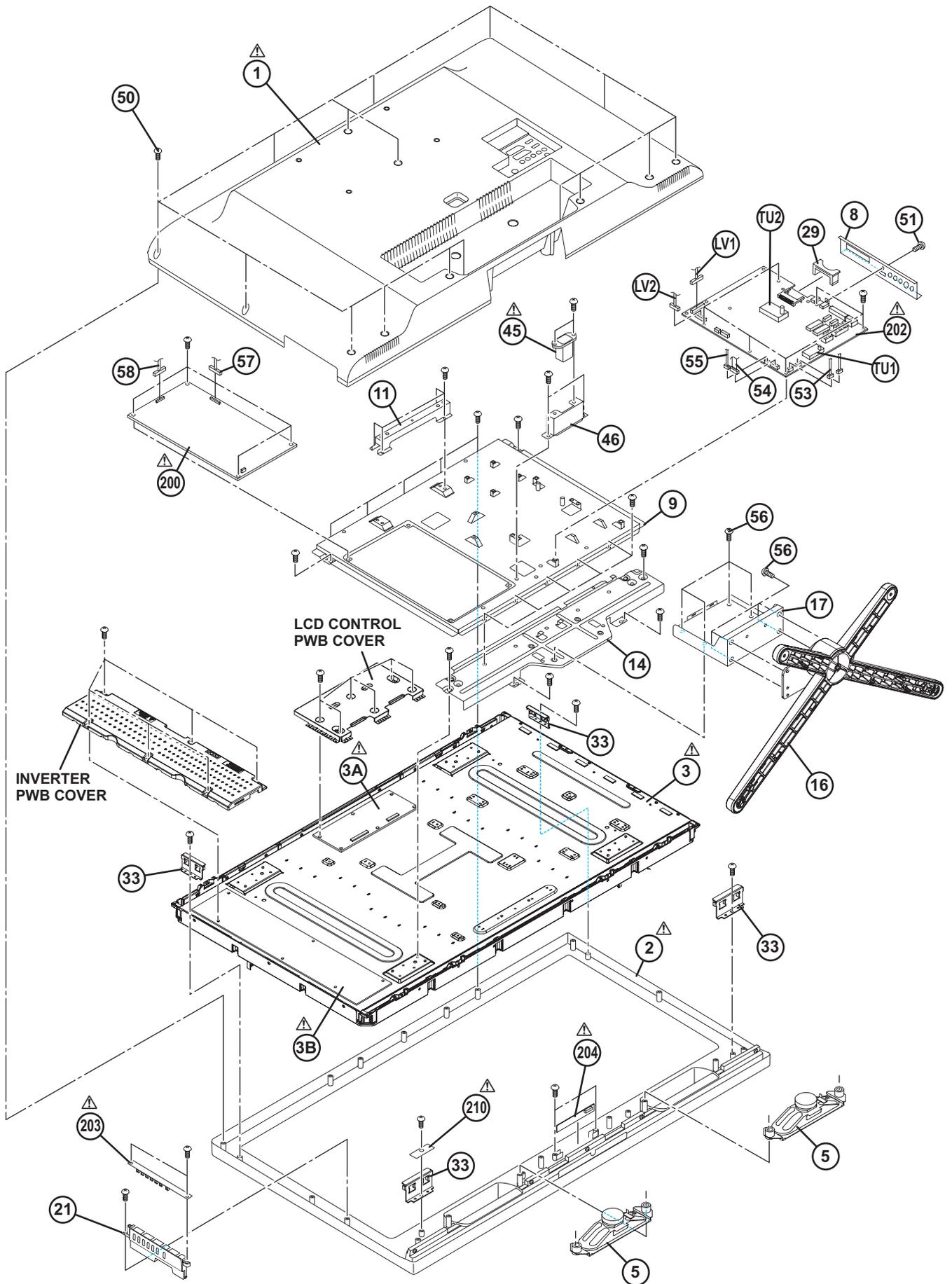
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	LT-42HB1BU/AX
MAIN P.W.B	HU-71100006
IR P.W.B	HU-72200004
KEY P.W.B	HU-72200003
LED P.W.B	HU-72200017
REMOTE CONTROL UNIT	HU-0320200064

EXPLODED VIEW PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
LV1	HU-0130100081	DIGITAL(LVDS) CABLE	MAIN-LCD PANEL UNIT	
LV2	HU-0130100082	DIGITAL(LVDS) CABLE	MAIN-LCD PANEL UNIT	
TU1	HU-0140400027	TERRESTRIAL TUNER		
TU2	HU-72200080	SATELLITE TUNER		
△ 1	HU-3021120002	REAR COVER		
△ 2	GG10561-010B-HK	FRONT CABINET	HU-014213275	
△ 3	QLD0608-001-HUP	LCD PANEL UNIT	HU-0141300055/Inc.3A-3B	
△ 3A	AU-55.42T06.C03	LCD CONTROL PWB		
△ 3B	AU-19.42T06.008	INVERTER PWB		
5	HU-0321700011	SPEAKER	4Ω10W 2pcs 1set/Inc.SPEAKER WIRE	
8	HU-3010311003CO	SIDE SHIELD		
9	HU-3010121003	MAIN SHIELD		
11	HU-3011720001CO	BACK BRACKET		
14	HU-3011606002	FRONT BRACKET		
16	LC43175-001A-C	STAND BASE	HU-3022119001	
17	LC34390-001B-C	SUPPORT UNIT	HU-3011901001	
21	HU-3025221001PN	CONTROL KNOB		
29	HU-3029305001CO	CI GUIDE		
33	HU-3011309002	PANEL BRACKET	(x4)	
△ 45	HU-0120000001	AC INLET		
46	HU-3011503001CO	POWER BRACKET		
50	HU-M1308301217	SCREW	M3x12(x16)	
51	HU-M1118300615	SCREW	M3x6	
53	HU-0130100012	E-HARNESS ASSY	MAIN-LED	
54	HU-0130100009	E-HARNESS ASSY	MAIN-IR	
55	HU-0130100007	E-HARNESS ASSY	MAIN-KEY	
56	HU-M1040500817	SCREW	M5x8(x8)	
57	HU-0130100079	E-HARNESS ASSY	MAIN-POWER UNIT	
58	HU-0130100066	E-HARNESS ASSY	POWER UNIT-INVERTER	
△ 200	HU-0140300045	POWER UNIT		
△ 202	HU-71100006	MAIN PWB	Not writing program data	
△ 203	HU-72200003	KEY PWB		
△ 204	HU-72200017	LED PWB		
△ 210	HU-72200004	IR PWB		

EXPLODED VIEW



△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C557	HU-001060320	C CAPACITOR	10uF 25V	C769	HU-001060297	C CAPACITOR	0.01pF 50V K
C558	HU-001060312	C CAPACITOR	22uF 6.3V M	C770	HU-001060317	C CAPACITOR	470nF 50V
C559	HU-001060312	C CAPACITOR	22uF 6.3V M	C771	HU-001060185	C CAPACITOR	390pF 50V J
C560	HU-001071234	E CAPACITOR	220uF 16V	C772	HU-001060321	C CAPACITOR	10uF 10V K
C561	HU-001060312	C CAPACITOR	22uF 6.3V M	C773	HU-001060194	C CAPACITOR	0.022uF 50V
C562	HU-001060312	C CAPACITOR	22uF 6.3V M	C774	HU-001060318	C CAPACITOR	0.1uF 50V
C563	HU-001060312	C CAPACITOR	22uF 6.3V M	C775	HU-001060297	C CAPACITOR	0.01pF 50V K
C566	HU-001060205	C CAPACITOR	1uF 16V	C776	HU-001060288	C CAPACITOR	1uF 25V
C567	HU-001060335	C CAPACITOR	0.0082uF 25V	C777	HU-001060288	C CAPACITOR	1uF 25V
C568	HU-001060250	C CAPACITOR	0.1uF 16V K	C778	HU-001060250	C CAPACITOR	0.1uF 16V K
C572	HU-001060219	C CAPACITOR	1000pF 50V K	C779	HU-001060194	C CAPACITOR	0.022uF 50V
C573	HU-001071233	E CAPACITOR	100uF 16V	C780	HU-001060219	C CAPACITOR	1000pF 50V K
C574	HU-001060250	C CAPACITOR	0.1uF 16V K	C781	HU-001060318	C CAPACITOR	0.1uF 50V
C575	HU-001060219	C CAPACITOR	1000pF 50V K	C782	HU-001060297	C CAPACITOR	0.01pF 50V K
C576	HU-001060250	C CAPACITOR	0.1uF 16V K	C783	HU-001060185	C CAPACITOR	390pF 50V J
C578	HU-001060219	C CAPACITOR	1000pF 50V K	C784	HU-001060317	C CAPACITOR	470nF 50V
C579	HU-001071224	E CAPACITOR	220uF 16V	C785	HU-001060250	C CAPACITOR	0.1uF 16V K
C580	HU-001060335	C CAPACITOR	0.0082uF 25V	C786	HU-001060270	C CAPACITOR	1uF 50V
C581	HU-001060250	C CAPACITOR	0.1uF 16V K	C787	HU-001060318	C CAPACITOR	0.1uF 50V
C582	HU-001060250	C CAPACITOR	0.1uF 16V K	C788	HU-001071250	E CAPACITOR	470uF 25V
C583	HU-001060250	C CAPACITOR	0.1uF 16V K	C789	HU-001060185	C CAPACITOR	390pF 50V J
C584	HU-001060250	C CAPACITOR	0.1uF 16V K	C790	HU-001060321	C CAPACITOR	10uF 10V K
C592	HU-001060250	C CAPACITOR	0.1uF 16V K	C791	HU-001060249	C CAPACITOR	100pF 50V J
C641	HU-001060250	C CAPACITOR	0.1uF 16V K	C792	HU-001060250	C CAPACITOR	0.1uF 16V K
C642	HU-001060250	C CAPACITOR	0.1uF 16V K	C793	HU-001060219	C CAPACITOR	1000pF 50V K
C643	HU-001060297	C CAPACITOR	0.01pF 50V K	C794	HU-001060318	C CAPACITOR	0.1uF 50V
C644	HU-001060297	C CAPACITOR	0.01pF 50V K	C795	HU-001060297	C CAPACITOR	0.01pF 50V K
C645	HU-001060250	C CAPACITOR	0.1uF 16V K	C796	HU-001060321	C CAPACITOR	10uF 10V K
C646	HU-001060297	C CAPACITOR	0.01pF 50V K	C797	HU-001060250	C CAPACITOR	0.1uF 16V K
C647	HU-001060250	C CAPACITOR	0.1uF 16V K	C798	HU-001060321	C CAPACITOR	10uF 10V K
C648	HU-001060297	C CAPACITOR	0.01pF 50V K	C799	HU-001060250	C CAPACITOR	0.1uF 16V K
C691	HU-001060297	C CAPACITOR	0.01pF 50V K	C800	HU-001060288	C CAPACITOR	1uF 25V
C692	HU-001060297	C CAPACITOR	0.01pF 50V K	C801	HU-001060194	C CAPACITOR	0.022uF 50V
C693	HU-001060250	C CAPACITOR	0.1uF 16V K	C802	HU-001060250	C CAPACITOR	0.1uF 16V K
C694	HU-001060250	C CAPACITOR	0.1uF 16V K	C803	HU-001060321	C CAPACITOR	10uF 10V K
C695	HU-001060250	C CAPACITOR	0.1uF 16V K	C806	HU-001060219	C CAPACITOR	1000pF 50V K
C696	HU-001060250	C CAPACITOR	0.1uF 16V K	C807	HU-001060288	C CAPACITOR	1uF 25V
C697	HU-001060250	C CAPACITOR	0.1uF 16V K	C809	HU-001060230	C CAPACITOR	0.022uF 16V K
C698	HU-001060312	C CAPACITOR	22uF 6.3V M	C810	HU-001071224	E CAPACITOR	220uF 16V
C699	HU-001060297	C CAPACITOR	0.01pF 50V K	C812	HU-001060288	C CAPACITOR	1uF 25V
C700	HU-001060297	C CAPACITOR	0.01pF 50V K	C813	HU-001071224	E CAPACITOR	220uF 16V
C701	HU-001060250	C CAPACITOR	0.1uF 16V K	C814	HU-001060230	C CAPACITOR	0.022uF 16V K
C702	HU-001060250	C CAPACITOR	0.1uF 16V K	C815	HU-001060288	C CAPACITOR	1uF 25V
C703	HU-001060250	C CAPACITOR	0.1uF 16V K	C817	HU-001060321	C CAPACITOR	10uF 10V K
C704	HU-001060312	C CAPACITOR	22uF 6.3V M	C818	HU-001060288	C CAPACITOR	1uF 25V
C705	HU-001060312	C CAPACITOR	22uF 6.3V M	C819	HU-001060285	C CAPACITOR	0.0047uF 50V
C706	HU-001060312	C CAPACITOR	22uF 6.3V M	C820	HU-001060285	C CAPACITOR	0.0047uF 50V
C707	HU-001060297	C CAPACITOR	0.01pF 50V K	C831	HU-001060318	C CAPACITOR	0.1uF 50V
C708	HU-001060297	C CAPACITOR	0.01pF 50V K	C832	HU-001060318	C CAPACITOR	0.1uF 50V
C709	HU-001060250	C CAPACITOR	0.1uF 16V K	C833	HU-001060321	C CAPACITOR	10uF 10V K
C710	HU-001060250	C CAPACITOR	0.1uF 16V K	C834	HU-001060318	C CAPACITOR	0.1uF 50V
C711	HU-001060250	C CAPACITOR	0.1uF 16V K	C835	HU-001060318	C CAPACITOR	0.1uF 50V
C712	HU-001060250	C CAPACITOR	0.1uF 16V K	C851	HU-001060250	C CAPACITOR	0.1uF 16V K
C713	HU-001060250	C CAPACITOR	0.1uF 16V K	C852	HU-001060250	C CAPACITOR	0.1uF 16V K
C714	HU-001060312	C CAPACITOR	22uF 6.3V M	C853	HU-001060250	C CAPACITOR	0.1uF 16V K
C715	HU-001060297	C CAPACITOR	0.01pF 50V K	C881	HU-001060321	C CAPACITOR	10uF 10V K
C716	HU-001060297	C CAPACITOR	0.01pF 50V K	C882	HU-001060250	C CAPACITOR	0.1uF 16V K
C717	HU-001060250	C CAPACITOR	0.1uF 16V K	C883	HU-001060346	C CAPACITOR	1uF 16V K
C718	HU-001060250	C CAPACITOR	0.1uF 16V K	C884	HU-001060321	C CAPACITOR	10uF 10V K
C719	HU-001060250	C CAPACITOR	0.1uF 16V K	C885	HU-001060249	C CAPACITOR	100pF 50V J
C720	HU-001060312	C CAPACITOR	22uF 6.3V M	C886	HU-001060321	C CAPACITOR	10uF 10V K
C721	HU-001060312	C CAPACITOR	22uF 6.3V M	C887	HU-001071234	E CAPACITOR	220uF 16V
C722	HU-001060321	C CAPACITOR	10uF 10V K	C888	HU-001060321	C CAPACITOR	10uF 10V K
C723	HU-001060297	C CAPACITOR	0.01pF 50V K	C889	HU-001060312	C CAPACITOR	22uF 6.3V M
C724	HU-001060250	C CAPACITOR	0.1uF 16V K	C890	HU-001060250	C CAPACITOR	0.1uF 16V K
C725	HU-001060297	C CAPACITOR	0.01pF 50V K	C891	HU-001060250	C CAPACITOR	0.1uF 16V K
C726	HU-001060250	C CAPACITOR	0.1uF 16V K	C892	HU-001060250	C CAPACITOR	0.1uF 16V K
C727	HU-001060250	C CAPACITOR	0.1uF 16V K	C895	HU-001071223	E CAPACITOR	100uF 16V
C728	HU-001060297	C CAPACITOR	0.01pF 50V K	C896	HU-001060250	C CAPACITOR	0.1uF 16V K
C729	HU-001060250	C CAPACITOR	0.1uF 16V K	C897	HU-001060250	C CAPACITOR	0.1uF 16V K
C730	HU-001060250	C CAPACITOR	0.1uF 16V K	C898	HU-001060321	C CAPACITOR	10uF 10V K
C734	HU-001060250	C CAPACITOR	0.1uF 16V K	C899	HU-001060288	C CAPACITOR	1uF 25V
C741	HU-001060250	C CAPACITOR	0.1uF 16V K	C900	HU-001060108	C CAPACITOR	0.01uF 50V
C746	HU-001060297	C CAPACITOR	0.01pF 50V K	C901	HU-001071228	E CAPACITOR	470uF 16V
C747	HU-001060297	C CAPACITOR	0.01pF 50V K	C902	HU-001060250	C CAPACITOR	0.1uF 16V K
C748	HU-001060297	C CAPACITOR	0.01pF 50V K	C903	HU-001071223	E CAPACITOR	100uF 16V
C749	HU-001060297	C CAPACITOR	0.01pF 50V K	C904	HU-001060321	C CAPACITOR	10uF 10V K
C750	HU-001060297	C CAPACITOR	0.01pF 50V K	C905	HU-001060249	C CAPACITOR	100pF 50V J
C751	HU-001060219	C CAPACITOR	1000pF 50V K	C921	HU-001071224	E CAPACITOR	220uF 16V
C752	HU-001060219	C CAPACITOR	1000pF 50V K	C922	HU-001060250	C CAPACITOR	0.1uF 16V K
C757	HU-001060250	C CAPACITOR	0.1uF 16V K	C923	HU-001060219	C CAPACITOR	1000pF 50V K
C761	HU-001060318	C CAPACITOR	0.1uF 50V	C925	HU-001060250	C CAPACITOR	0.1uF 16V K
C762	HU-001060270	C CAPACITOR	1uF 50V	C926	HU-001060219	C CAPACITOR	1000pF 50V K
C763	HU-001060297	C CAPACITOR	0.01pF 50V K	C927	HU-001071224	E CAPACITOR	220uF 16V
C764	HU-001071250	E CAPACITOR	470uF 25V	C929	HU-001060250	C CAPACITOR	0.1uF 16V K
C765	HU-001060318	C CAPACITOR	0.1uF 50V	C930	HU-001060219	C CAPACITOR	1000pF 50V K
C766	HU-001060194	C CAPACITOR	0.022uF 50V	C931	HU-001071224	E CAPACITOR	220uF 16V
C767	HU-001060288	C CAPACITOR	1uF 25V	C934	HU-001060250	C CAPACITOR	0.1uF 16V K
C768	HU-001060185	C CAPACITOR	390pF 50V J	C935	HU-001063093	C CAPACITOR	4.7pF 50V

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C936	HU-001060221	C CAPACITOR	22pF 50V J	C1157	HU-001060346	C CAPACITOR	1uF 16V K
C962	HU-001060250	C CAPACITOR	0.1uF 16V K	C1158	HU-001060346	C CAPACITOR	1uF 16V K
C963	HU-001060250	C CAPACITOR	0.1uF 16V K	C1159	HU-001060250	C CAPACITOR	0.1uF 16V K
C964	HU-001060250	C CAPACITOR	0.1uF 16V K	C1160	HU-001060321	C CAPACITOR	10uF 10V K
C965	HU-001060258	C CAPACITOR	30pF 50V J	C1161	HU-001060321	C CAPACITOR	10uF 10V K
C966	HU-001060258	C CAPACITOR	30pF 50V J	C1162	HU-001060321	C CAPACITOR	10uF 10V K
C967	HU-001060250	C CAPACITOR	0.1uF 16V K	C1163	HU-001060321	C CAPACITOR	10uF 10V K
C968	HU-001060250	C CAPACITOR	0.1uF 16V K	C1164	HU-001060321	C CAPACITOR	10uF 10V K
C969	HU-001060250	C CAPACITOR	0.1uF 16V K	C1165	HU-001060321	C CAPACITOR	10uF 10V K
C970	HU-001060250	C CAPACITOR	0.1uF 16V K	C1166	HU-001060321	C CAPACITOR	10uF 10V K
C971	HU-001060250	C CAPACITOR	0.1uF 16V K	C1167	HU-001060321	C CAPACITOR	10uF 10V K
C972	HU-001060250	C CAPACITOR	0.1uF 16V K	C1168	HU-001060321	C CAPACITOR	10uF 10V K
C973	HU-001060250	C CAPACITOR	0.1uF 16V K	C1169	HU-001060321	C CAPACITOR	10uF 10V K
C974	HU-001060250	C CAPACITOR	0.1uF 16V K	C1170	HU-001060250	C CAPACITOR	0.1uF 16V K
C1021	HU-001060219	C CAPACITOR	1000pF 50V K	C1171	HU-001060250	C CAPACITOR	0.1uF 16V K
C1022	HU-001060250	C CAPACITOR	0.1uF 16V K	C1181	HU-001060297	C CAPACITOR	0.01pF 50V K
C1023	HU-001071224	E CAPACITOR	220uF 16V	C1182	HU-001060297	C CAPACITOR	0.01pF 50V K
C1024	HU-001060250	C CAPACITOR	0.1uF 16V K	C1183	HU-001060297	C CAPACITOR	0.01pF 50V K
C1025	HU-001060219	C CAPACITOR	1000pF 50V K	C1184	HU-001060297	C CAPACITOR	0.01pF 50V K
C1026	HU-001071224	E CAPACITOR	220uF 16V	C1185	HU-001060297	C CAPACITOR	0.01pF 50V K
C1027	HU-001060250	C CAPACITOR	0.1uF 16V K	C1186	HU-001060297	C CAPACITOR	0.01pF 50V K
C1028	HU-001060219	C CAPACITOR	1000pF 50V K	C1187	HU-001060250	C CAPACITOR	0.1uF 16V K
C1029	HU-001071224	E CAPACITOR	220uF 16V	C1188	HU-001060250	C CAPACITOR	0.1uF 16V K
C1030	HU-001060219	C CAPACITOR	1000pF 50V K	C1189	HU-001060250	C CAPACITOR	0.1uF 16V K
C1031	HU-001060250	C CAPACITOR	0.1uF 16V K	C1190	HU-001060250	C CAPACITOR	0.1uF 16V K
C1032	HU-001071224	E CAPACITOR	220uF 16V	C1200	HU-001060250	C CAPACITOR	0.1uF 16V K
C1051	HU-001060108	C CAPACITOR	0.01uF 50V	C1201	HU-001060250	C CAPACITOR	0.1uF 16V K
C1052	HU-001060082	C CAPACITOR	0.1uF 50V	C1202	HU-001060346	C CAPACITOR	1uF 16V K
C1053	HU-001060082	C CAPACITOR	0.1uF 50V	C1203	HU-001060346	C CAPACITOR	1uF 16V K
C1054	HU-0010700004	E CAPACITOR	100uF 35V	C1204	HU-001060321	C CAPACITOR	10uF 10V K
C1055	HU-001060317	C CAPACITOR	470nF 50V	C1205	HU-001060321	C CAPACITOR	10uF 10V K
C1056	HU-0010700004	E CAPACITOR	100uF 35V	C1211	HU-001060250	C CAPACITOR	0.1uF 16V K
C1057	HU-001060318	C CAPACITOR	0.1uF 50V	C1212	HU-001060250	C CAPACITOR	0.1uF 16V K
C1058	HU-001071194	E CAPACITOR	100uF 25V	C1213	HU-001063068	C CAPACITOR	90pF 50V
C1060	HU-001060318	C CAPACITOR	0.1uF 50V	C1214	HU-001063068	C CAPACITOR	90pF 50V
C1061	HU-001060091	C CAPACITOR	0.01uF 50V	C1215	HU-001060250	C CAPACITOR	0.1uF 16V K
C1062	HU-001060091	C CAPACITOR	0.01uF 50V	C1216	HU-001060219	C CAPACITOR	1000pF 50V K
C1063	HU-001060082	C CAPACITOR	0.1uF 50V	C1301	HU-001060297	C CAPACITOR	0.01pF 50V K
C1064	HU-001060317	C CAPACITOR	470nF 50V	C1302	HU-001060297	C CAPACITOR	0.01pF 50V K
C1071	HU-001071224	E CAPACITOR	220uF 16V	C1303	HU-001060297	C CAPACITOR	0.01pF 50V K
C1072	HU-001060321	C CAPACITOR	10uF 10V K	C1304	HU-001071227	E CAPACITOR	47uF 16V
C1073	HU-001060312	C CAPACITOR	22uF 6.3V M	C1351	HU-001060250	C CAPACITOR	0.1uF 16V K
C1075	HU-001060321	C CAPACITOR	10uF 10V K	C1352	HU-001060250	C CAPACITOR	0.1uF 16V K
C1076	HU-001060250	C CAPACITOR	0.1uF 16V K	C1353	HU-001060250	C CAPACITOR	0.1uF 16V K
C1077	HU-001060297	C CAPACITOR	0.01pF 50V K	C1365	HU-001060250	C CAPACITOR	0.1uF 16V K
C1078	HU-001060335	C CAPACITOR	0.0082uF 25V	C1366	HU-001060250	C CAPACITOR	0.1uF 16V K
C1079	HU-001060312	C CAPACITOR	22uF 6.3V M	C1381	HU-001060321	C CAPACITOR	10uF 10V K
C1081	HU-001060335	C CAPACITOR	0.0082uF 25V	C1404	HU-001060250	C CAPACITOR	0.1uF 16V K
C1082	HU-001060312	C CAPACITOR	22uF 6.3V M	C1406	HU-001060321	C CAPACITOR	10uF 10V K
C1084	HU-001071224	E CAPACITOR	220uF 16V	C1407	HU-001060250	C CAPACITOR	0.1uF 16V K
C1085	HU-001060297	C CAPACITOR	0.01pF 50V K	C1408	HU-001060250	C CAPACITOR	0.1uF 16V K
C1086	HU-001060321	C CAPACITOR	10uF 10V K	C1409	HU-001060250	C CAPACITOR	0.1uF 16V K
C1087	HU-001060312	C CAPACITOR	22uF 6.3V M	C1431	HU-001060250	C CAPACITOR	0.1uF 16V K
C1088	HU-001071223	E CAPACITOR	100uF 16V	C1432	HU-001060321	C CAPACITOR	10uF 10V K
C1089	HU-001071223	E CAPACITOR	100uF 16V	C1433	HU-001060297	C CAPACITOR	0.01pF 50V K
C1091	HU-001060250	C CAPACITOR	0.1uF 16V K	C1434	HU-001060297	C CAPACITOR	0.01pF 50V K
C1097	HU-001060250	C CAPACITOR	0.1uF 16V K	C1435	HU-001060250	C CAPACITOR	0.1uF 16V K
C1098	HU-001060321	C CAPACITOR	10uF 10V K	C1436	HU-001060250	C CAPACITOR	0.1uF 16V K
C1106	HU-001060346	C CAPACITOR	1uF 16V K	C1437	HU-001060250	C CAPACITOR	0.1uF 16V K
C1108	HU-001060341	C CAPACITOR	4.7uF 6.3V	C1438	HU-001060297	C CAPACITOR	0.01pF 50V K
C1109	HU-001060250	C CAPACITOR	0.1uF 16V K	C1439	HU-001060250	C CAPACITOR	0.1uF 16V K
C1110	HU-001060321	C CAPACITOR	10uF 10V K	C1440	HU-001060321	C CAPACITOR	10uF 10V K
C1111	HU-001060250	C CAPACITOR	0.1uF 16V K	C1441	HU-001060250	C CAPACITOR	0.1uF 16V K
C1131	HU-001060297	C CAPACITOR	0.01pF 50V K	C1442	HU-001060250	C CAPACITOR	0.1uF 16V K
C1132	HU-001060250	C CAPACITOR	0.1uF 16V K	C1443	HU-001060250	C CAPACITOR	0.1uF 16V K
C1133	HU-001060250	C CAPACITOR	0.1uF 16V K	C1444	HU-001060297	C CAPACITOR	0.01pF 50V K
C1134	HU-001060250	C CAPACITOR	0.1uF 16V K	C1445	HU-001060297	C CAPACITOR	0.01pF 50V K
C1135	HU-001060250	C CAPACITOR	0.1uF 16V K	C1446	HU-001060250	C CAPACITOR	0.1uF 16V K
C1136	HU-001060250	C CAPACITOR	0.1uF 16V K	C1447	HU-001060250	C CAPACITOR	0.1uF 16V K
C1137	HU-001060250	C CAPACITOR	0.1uF 16V K	C1448	HU-001060250	C CAPACITOR	0.1uF 16V K
C1138	HU-001060250	C CAPACITOR	0.1uF 16V K	C1449	HU-001060250	C CAPACITOR	0.1uF 16V K
C1139	HU-001060250	C CAPACITOR	0.1uF 16V K	C1450	HU-001060321	C CAPACITOR	10uF 10V K
C1140	HU-001060250	C CAPACITOR	0.1uF 16V K	C1451	HU-001060321	C CAPACITOR	10uF 10V K
C1141	HU-001060250	C CAPACITOR	0.1uF 16V K	C1452	HU-001060250	C CAPACITOR	0.1uF 16V K
C1142	HU-001060250	C CAPACITOR	0.1uF 16V K	C1453	HU-001060250	C CAPACITOR	0.1uF 16V K
C1143	HU-001060250	C CAPACITOR	0.1uF 16V K	C1454	HU-001060250	C CAPACITOR	0.1uF 16V K
C1144	HU-001060346	C CAPACITOR	1uF 16V K	C1455	HU-001060250	C CAPACITOR	0.1uF 16V K
C1145	HU-001060346	C CAPACITOR	1uF 16V K	C1456	HU-001060250	C CAPACITOR	0.1uF 16V K
C1146	HU-001060346	C CAPACITOR	1uF 16V K	C1457	HU-001060321	C CAPACITOR	10uF 10V K
C1147	HU-001060346	C CAPACITOR	1uF 16V K	C1458	HU-001060250	C CAPACITOR	0.1uF 16V K
C1148	HU-001060346	C CAPACITOR	1uF 16V K	C1459	HU-001060250	C CAPACITOR	0.1uF 16V K
C1149	HU-001060250	C CAPACITOR	0.1uF 16V K	C1460	HU-001060250	C CAPACITOR	0.1uF 16V K
C1150	HU-001060346	C CAPACITOR	1uF 16V K	C1461	HU-001060250	C CAPACITOR	0.1uF 16V K
C1151	HU-001060346	C CAPACITOR	1uF 16V K	C1462	HU-001060250	C CAPACITOR	0.1uF 16V K
C1152	HU-001060346	C CAPACITOR	1uF 16V K	C1463	HU-001060321	C CAPACITOR	10uF 10V K
C1153	HU-001060346	C CAPACITOR	1uF 16V K	C1464	HU-001060321	C CAPACITOR	10uF 10V K
C1154	HU-001060346	C CAPACITOR	1uF 16V K	C1465	HU-001060321	C CAPACITOR	10uF 10V K
C1155	HU-001060346	C CAPACITOR	1uF 16V K	C1466	HU-001060250	C CAPACITOR	0.1uF 16V K
C1156	HU-001060346	C CAPACITOR	1uF 16V K	C1467	HU-001060250	C CAPACITOR	0.1uF 16V K

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
CD648	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1305	HU-001060312	C CAPACITOR	22uF 6.3V M
CD649	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1306	HU-001060250	C CAPACITOR	0.1uF 16V K
CD650	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1307	HU-001060250	C CAPACITOR	0.1uF 16V K
CD651	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1308	HU-001060250	C CAPACITOR	0.1uF 16V K
CD652	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1309	HU-001060250	C CAPACITOR	0.1uF 16V K
CD653	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1310	HU-001060250	C CAPACITOR	0.1uF 16V K
CD654	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1311	HU-001060250	C CAPACITOR	0.1uF 16V K
CD655	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1314	HU-001060312	C CAPACITOR	22uF 6.3V M
CD656	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1317	HU-001060250	C CAPACITOR	0.1uF 16V K
CD657	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1318	HU-001060250	C CAPACITOR	0.1uF 16V K
CD658	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1319	HU-001060250	C CAPACITOR	0.1uF 16V K
CD659	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1320	HU-001060250	C CAPACITOR	0.1uF 16V K
CD660	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1321	HU-001060250	C CAPACITOR	0.1uF 16V K
CD661	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1322	HU-001060250	C CAPACITOR	0.1uF 16V K
CD662	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1323	HU-001060250	C CAPACITOR	0.1uF 16V K
CD663	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1324	HU-001060250	C CAPACITOR	0.1uF 16V K
CD664	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1325	HU-001060250	C CAPACITOR	0.1uF 16V K
CD665	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1326	HU-001060250	C CAPACITOR	0.1uF 16V K
CD666	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1327	HU-001060250	C CAPACITOR	0.1uF 16V K
CD667	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1328	HU-001060250	C CAPACITOR	0.1uF 16V K
CD668	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1329	HU-001060250	C CAPACITOR	0.1uF 16V K
CD669	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1330	HU-001060250	C CAPACITOR	0.1uF 16V K
CD670	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1331	HU-001060250	C CAPACITOR	0.1uF 16V K
CD671	HU-001060250	C CAPACITOR	0.1uF 16V K	CD1333	HU-001060250	C CAPACITOR	0.1uF 16V K
CD672	HU-001060250	C CAPACITOR	0.1uF 16V K	R1	HU-002000417	MG RESISTOR	4.7kΩ
CD673	HU-001060250	C CAPACITOR	0.1uF 16V K	R2	HU-002000405	MG RESISTOR	1kΩ
CD674	HU-001060250	C CAPACITOR	0.1uF 16V K	R3	HU-002000437	MG RESISTOR	10kΩ
CD675	HU-001060250	C CAPACITOR	0.1uF 16V K	R7	HU-002000405	MG RESISTOR	1kΩ
CD676	HU-001060250	C CAPACITOR	0.1uF 16V K	R8	HU-002000437	MG RESISTOR	10kΩ
CD677	HU-001060250	C CAPACITOR	0.1uF 16V K	R9	HU-002000470	MG RESISTOR	300Ω
CD678	HU-001060250	C CAPACITOR	0.1uF 16V K	R12	HU-002000437	MG RESISTOR	10kΩ
CD679	HU-001060250	C CAPACITOR	0.1uF 16V K	R14	HU-002000470	MG RESISTOR	300Ω
CD680	HU-001060250	C CAPACITOR	0.1uF 16V K	R17	HU-002000417	MG RESISTOR	4.7kΩ
CD681	HU-001060250	C CAPACITOR	0.1uF 16V K	R18	HU-002000417	MG RESISTOR	4.7kΩ
CD682	HU-001060250	C CAPACITOR	0.1uF 16V K	R19	HU-002000405	MG RESISTOR	1kΩ
CD1089	HU-001060250	C CAPACITOR	0.1uF 16V K	R21	HU-002000437	MG RESISTOR	10kΩ
CD1090	HU-001060250	C CAPACITOR	22uF 6.3V M	R31	HU-002001183	MG RESISTOR	300kΩ
CD1092	HU-001060312	C CAPACITOR	22uF 6.3V M	R32	HU-0020000023	MG RESISTOR	604kΩ
CD1094	HU-001060312	C CAPACITOR	1000pF 50V K	R33	HU-002000436	MG RESISTOR	100kΩ
CD1095	HU-001060219	C CAPACITOR	0.1uF 16V K	R34	HU-002001163	MG RESISTOR	75kΩ
CD1096	HU-001060250	C CAPACITOR	22uF 6.3V M	R35	HU-002000465	MG RESISTOR	1kΩ
CD1099	HU-001060312	C CAPACITOR	1000pF 50V K	R36	HU-002000604	MG RESISTOR	59kΩ
CD1101	HU-001060219	C CAPACITOR	22uF 6.3V M	R37	HU-002000436	MG RESISTOR	100kΩ
CD1102	HU-001060312	C CAPACITOR	0.1uF 16V K	R38	HU-002000465	MG RESISTOR	1kΩ
CD1103	HU-001060250	C CAPACITOR	1000pF 50V K	R39	HU-002000433	MG RESISTOR	0Ω
CD1104	HU-001060219	C CAPACITOR	0.1uF 16V K	R40	HU-002001039	MG RESISTOR	16.9kΩ
CD1233	HU-001060250	C CAPACITOR	0.1uF 16V K	R41	HU-002000499	MG RESISTOR	10kΩ
CD1234	HU-001060250	C CAPACITOR	0.1uF 16V K	R42	HU-002000436	MG RESISTOR	100kΩ
CD1236	HU-001060250	C CAPACITOR	47uF 16V	R43	HU-002001064	MG RESISTOR	24kΩ
CD1237	HU-001071227	E CAPACITOR	0.1uF 16V K	R44	HU-002001173	MG RESISTOR	9.1kΩ
CD1238	HU-001060250	C CAPACITOR	0.1uF 16V K	R45	HU-002000615	MG RESISTOR	4.02kΩ
CD1239	HU-001060250	C CAPACITOR	47uF 16V	R48	HU-002000436	MG RESISTOR	100kΩ
CD1240	HU-001071227	E CAPACITOR	0.1uF 16V K	R49	HU-002000436	MG RESISTOR	100kΩ
CD1241	HU-001060250	C CAPACITOR	47uF 16V	R50	HU-002000436	MG RESISTOR	100kΩ
CD1242	HU-001071227	E CAPACITOR	0.01pF 50V K	R52	HU-002000421	MG RESISTOR	75Ω
CD1245	HU-001060297	C CAPACITOR	0.1uF 16V K	R81	HU-002000437	MG RESISTOR	10kΩ
CD1246	HU-001060250	C CAPACITOR	0.1uF 16V K	R82	HU-002000527	MG RESISTOR	100Ω
CD1247	HU-001060250	C CAPACITOR	0.1uF 16V K	R84	HU-002000527	MG RESISTOR	100Ω
CD1248	HU-001060297	C CAPACITOR	0.1uF 16V K	R87	HU-002000417	MG RESISTOR	4.7kΩ
CD1261	HU-001060250	C CAPACITOR	0.1uF 16V K	R88	HU-002000417	MG RESISTOR	4.7kΩ
CD1262	HU-001060250	C CAPACITOR	0.1uF 16V K	R89	HU-002000448	MG RESISTOR	33Ω
CD1263	HU-001060250	C CAPACITOR	0.1uF 16V K	R90	HU-002000448	MG RESISTOR	33Ω
CD1264	HU-001060250	C CAPACITOR	22uF 6.3V M	R91	HU-002000527	MG RESISTOR	100Ω
CD1267	HU-001060312	C CAPACITOR	0.1uF 16V K	R94	HU-002000527	MG RESISTOR	100Ω
CD1268	HU-001060250	C CAPACITOR	0.1uF 16V K	R95	HU-002000527	MG RESISTOR	100Ω
CD1269	HU-001060250	C CAPACITOR	22uF 6.3V M	R96	HU-002000433	MG RESISTOR	0Ω
CD1270	HU-001060312	C CAPACITOR	22uF 6.3V M	R97	HU-002000592	MG RESISTOR	1.6kΩ
CD1271	HU-001060312	C CAPACITOR	47uF 16V	R98	HU-002000592	MG RESISTOR	1.6kΩ
CD1281	HU-001071227	E CAPACITOR	0.1uF 16V K	R99	HU-002000437	MG RESISTOR	10kΩ
CD1282	HU-001060250	C CAPACITOR	0.1uF 16V K	R100	HU-002000437	MG RESISTOR	10kΩ
CD1283	HU-001060250	C CAPACITOR	0.01pF 50V K	R101	HU-002000405	MG RESISTOR	1kΩ
CD1284	HU-001060297	C CAPACITOR	0.01pF 50V K	R102	HU-002000437	MG RESISTOR	10kΩ
CD1285	HU-001060297	C CAPACITOR	22uF 6.3V M	R103	HU-002000565	MG RESISTOR	18kΩ
CD1288	HU-001060312	C CAPACITOR	0.1uF 16V K	R105	HU-002000437	MG RESISTOR	10kΩ
CD1289	HU-001060250	C CAPACITOR	22uF 6.3V M	R107	HU-002000437	MG RESISTOR	10kΩ
CD1290	HU-001060312	C CAPACITOR	0.1uF 16V K	R109	HU-002000437	MG RESISTOR	10kΩ
CD1291	HU-001060250	C CAPACITOR	0.1uF 16V K	R112	HU-002000433	MG RESISTOR	0Ω
CD1292	HU-001060250	C CAPACITOR	22uF 6.3V M	R113	HU-002000407	MG RESISTOR	2.2kΩ
CD1293	HU-001060312	C CAPACITOR	0.1uF 16V K	R115	HU-002000407	MG RESISTOR	2.2kΩ
CD1294	HU-001060250	C CAPACITOR	0.1uF 16V K	R116	HU-002000407	MG RESISTOR	2.2kΩ
CD1295	HU-001060250	C CAPACITOR	0.1uF 16V K	R117	HU-002000407	MG RESISTOR	2.2kΩ
CD1296	HU-001060250	C CAPACITOR	22uF 6.3V M	R118	HU-002000448	MG RESISTOR	33Ω
CD1298	HU-001060312	C CAPACITOR	22uF 6.3V M	R119	HU-002000448	MG RESISTOR	33Ω
CD1299	HU-001060312	C CAPACITOR	0.1uF 16V K	R120	HU-002000448	MG RESISTOR	33Ω
CD1300	HU-001060250	C CAPACITOR	0.1uF 16V K	R121	HU-002000448	MG RESISTOR	33Ω
CD1301	HU-001060250	C CAPACITOR	0.1uF 16V K	R122	HU-002000433	MG RESISTOR	0Ω
CD1302	HU-001060250	C CAPACITOR	0.1uF 16V K	R123	HU-002000405	MG RESISTOR	1kΩ
CD1303	HU-001060250	C CAPACITOR	0.1uF 16V K	R126	HU-002000405	MG RESISTOR	1kΩ
CD1304	HU-001060250	C CAPACITOR	0.1uF 16V K				

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R127	HU-002000437	MG RESISTOR	10kΩ	R403	HU-002001141	MG RESISTOR	57.6Ω
R128	HU-002000557	MG RESISTOR	6.2kΩ	R404	HU-002001007	MG RESISTOR	1.8kΩ
R131	HU-002000437	MG RESISTOR	10kΩ	R405	HU-002000601	MG RESISTOR	20Ω
R132	HU-002000437	MG RESISTOR	10kΩ	R406	HU-002001141	MG RESISTOR	57.6Ω
R137	HU-002000437	MG RESISTOR	10kΩ	R408	HU-002000437	MG RESISTOR	10kΩ
R138	HU-002000437	MG RESISTOR	10kΩ	R409	HU-002000437	MG RESISTOR	10kΩ
R139	HU-002000433	MG RESISTOR	0Ω	R410	HU-002000437	MG RESISTOR	10kΩ
R162	HU-002000437	MG RESISTOR	10kΩ	R411	HU-002000437	MG RESISTOR	10kΩ
R163	HU-002000437	MG RESISTOR	10kΩ	R412	HU-002000437	MG RESISTOR	10kΩ
R164	HU-002000437	MG RESISTOR	10kΩ	R413	HU-002000437	MG RESISTOR	10kΩ
R165	HU-002000433	MG RESISTOR	0Ω	R414	HU-002000437	MG RESISTOR	10kΩ
R166	HU-002000433	MG RESISTOR	0Ω	R415	HU-002000437	MG RESISTOR	10kΩ
R168	HU-002000405	MG RESISTOR	1kΩ	R416	HU-002000437	MG RESISTOR	10kΩ
R169	HU-002000437	MG RESISTOR	10kΩ	R417	HU-002000437	MG RESISTOR	10kΩ
R170	HU-002000437	MG RESISTOR	10kΩ	R418	HU-002000433	MG RESISTOR	0Ω
R173	HU-002000437	MG RESISTOR	10kΩ	R420	HU-002000433	MG RESISTOR	0Ω
R174	HU-002000437	MG RESISTOR	10kΩ	R422	HU-002001079	MG RESISTOR	3.9kΩ
R175	HU-002000437	MG RESISTOR	10kΩ	R423	HU-002001079	MG RESISTOR	3.9kΩ
R176	HU-002000437	MG RESISTOR	10kΩ	R424	HU-002001079	MG RESISTOR	3.9kΩ
R178	HU-002000437	MG RESISTOR	10kΩ	R425	HU-002001079	MG RESISTOR	3.9kΩ
R181	HU-002000448	MG RESISTOR	33Ω	R426	HU-002001079	MG RESISTOR	3.9kΩ
R182	HU-002000437	MG RESISTOR	10kΩ	R427	HU-002001079	MG RESISTOR	3.9kΩ
R183	HU-002000417	MG RESISTOR	4.7kΩ	R428	HU-002001079	MG RESISTOR	3.9kΩ
R185	HU-002000437	MG RESISTOR	10kΩ	R429	HU-002001079	MG RESISTOR	3.9kΩ
R187	HU-002000437	MG RESISTOR	10kΩ	R430	HU-002001079	MG RESISTOR	3.9kΩ
R189	HU-002000448	MG RESISTOR	33Ω	R431	HU-002001079	MG RESISTOR	3.9kΩ
R190	HU-002000437	MG RESISTOR	10kΩ	R434	HU-002000421	MG RESISTOR	75Ω
R191	HU-002000437	MG RESISTOR	10kΩ	R435	HU-002000601	MG RESISTOR	20Ω
R193	HU-002000448	MG RESISTOR	33Ω	R436	HU-002000601	MG RESISTOR	20Ω
R194	HU-002000437	MG RESISTOR	10kΩ	R437	HU-002000601	MG RESISTOR	20Ω
R195	HU-002000437	MG RESISTOR	10kΩ	R438	HU-002000417	MG RESISTOR	4.7kΩ
R197	HU-002000437	MG RESISTOR	10kΩ	R439	HU-002000601	MG RESISTOR	20Ω
R199	HU-002000433	MG RESISTOR	0Ω	R440	HU-002000417	MG RESISTOR	4.7kΩ
R200	HU-002000437	MG RESISTOR	10kΩ	R443	HU-002000433	MG RESISTOR	0Ω
R201	HU-002000437	MG RESISTOR	10kΩ	R444	HU-002000433	MG RESISTOR	0Ω
R203	HU-002000433	MG RESISTOR	0Ω	R451	HU-002000448	MG RESISTOR	33Ω
R204	HU-002000433	MG RESISTOR	0Ω	R452	HU-002000448	MG RESISTOR	33Ω
R205	HU-002000437	MG RESISTOR	10kΩ	R453	HU-002000448	MG RESISTOR	33Ω
R206	HU-002000417	MG RESISTOR	4.7kΩ	R454	HU-002000448	MG RESISTOR	33Ω
R211	HU-002000433	MG RESISTOR	0Ω	R455	HU-002000448	MG RESISTOR	33Ω
R213	HU-002000437	MG RESISTOR	10kΩ	R456	HU-002000448	MG RESISTOR	33Ω
R214	HU-002000437	MG RESISTOR	10kΩ	R457	HU-002000448	MG RESISTOR	33Ω
R215	HU-002000417	MG RESISTOR	4.7kΩ	R458	HU-002000448	MG RESISTOR	33Ω
R217	HU-002000437	MG RESISTOR	10kΩ	R459	HU-002000448	MG RESISTOR	33Ω
R218	HU-002000448	MG RESISTOR	33Ω	R460	HU-002000448	MG RESISTOR	33Ω
R219	HU-002000448	MG RESISTOR	33Ω	R461	HU-002000448	MG RESISTOR	33Ω
R220	HU-002000437	MG RESISTOR	10kΩ	R462	HU-002000448	MG RESISTOR	33Ω
R221	HU-002000437	MG RESISTOR	10kΩ	R463	HU-002000448	MG RESISTOR	33Ω
R222	HU-002000538	MG RESISTOR	120Ω	R464	HU-002000448	MG RESISTOR	33Ω
R223	HU-002000437	MG RESISTOR	10kΩ	R465	HU-002000448	MG RESISTOR	33Ω
R224	HU-002000437	MG RESISTOR	10kΩ	R466	HU-002000448	MG RESISTOR	33Ω
R225	HU-002000437	MG RESISTOR	10kΩ	R467	HU-002000448	MG RESISTOR	33Ω
R226	HU-002000437	MG RESISTOR	10kΩ	R468	HU-002000448	MG RESISTOR	33Ω
R227	HU-002000437	MG RESISTOR	10kΩ	R469	HU-002000417	MG RESISTOR	4.7kΩ
R228	HU-002000437	MG RESISTOR	10kΩ	R470	HU-002000437	MG RESISTOR	10kΩ
R229	HU-002000436	MG RESISTOR	100kΩ	R471	HU-002000417	MG RESISTOR	4.7kΩ
R230	HU-002000437	MG RESISTOR	10kΩ	R472	HU-002000448	MG RESISTOR	33Ω
R231	HU-002000437	MG RESISTOR	10kΩ	R473	HU-002000433	MG RESISTOR	0Ω
R232	HU-002000437	MG RESISTOR	10kΩ	R484	HU-002000448	MG RESISTOR	33Ω
R233	HU-002000437	MG RESISTOR	10kΩ	R485	HU-002000448	MG RESISTOR	33Ω
R234	HU-002000437	MG RESISTOR	10kΩ	R486	HU-002000448	MG RESISTOR	33Ω
R235	HU-002000454	MG RESISTOR	47kΩ	R487	HU-002000448	MG RESISTOR	33Ω
R237	HU-002000526	MG RESISTOR	3.3kΩ	R488	HU-002000448	MG RESISTOR	33Ω
R238	HU-002000437	MG RESISTOR	10kΩ	R489	HU-002000448	MG RESISTOR	33Ω
R239	HU-002000437	MG RESISTOR	10kΩ	R490	HU-002000448	MG RESISTOR	33Ω
R240	HU-002000433	MG RESISTOR	0Ω	R491	HU-002000448	MG RESISTOR	33Ω
R243	HU-002000433	MG RESISTOR	0Ω	R492	HU-002000448	MG RESISTOR	33Ω
R381	HU-002000601	MG RESISTOR	20Ω	R495	HU-002000417	MG RESISTOR	4.7kΩ
R382	HU-002000601	MG RESISTOR	20Ω	R496	HU-002000417	MG RESISTOR	4.7kΩ
R383	HU-002000601	MG RESISTOR	20Ω	R497	HU-002000437	MG RESISTOR	10kΩ
R384	HU-002000601	MG RESISTOR	20Ω	R498	HU-002000901	MG RESISTOR	510Ω
R385	HU-002000601	MG RESISTOR	20Ω	R499	HU-002000526	MG RESISTOR	3.3kΩ
R386	HU-002000601	MG RESISTOR	20Ω	R500	HU-002000437	MG RESISTOR	10kΩ
R387	HU-002000601	MG RESISTOR	20Ω	R538	HU-002000417	MG RESISTOR	4.7kΩ
R388	HU-002001141	MG RESISTOR	57.6Ω	R539	HU-002000437	MG RESISTOR	10kΩ
R389	HU-002000601	MG RESISTOR	20Ω	R541	HU-002000615	MG RESISTOR	4.02kΩ
R390	HU-002000601	MG RESISTOR	20Ω	R542	HU-002000437	MG RESISTOR	10kΩ
R391	HU-002000601	MG RESISTOR	20Ω	R543	HU-002001079	MG RESISTOR	3.9kΩ
R392	HU-002000601	MG RESISTOR	20Ω	R544	HU-002000414	MG RESISTOR	3kΩ
R393	HU-002000601	MG RESISTOR	20Ω	R545	HU-002001173	MG RESISTOR	9.1kΩ
R394	HU-002001141	MG RESISTOR	57.6Ω	R546	HU-002000437	MG RESISTOR	10kΩ
R395	HU-002000601	MG RESISTOR	20Ω	R547	HU-0020000001	MG RESISTOR	2.7kΩ
R396	HU-002000601	MG RESISTOR	20Ω	R548	HU-002000437	MG RESISTOR	10kΩ
R397	HU-002000601	MG RESISTOR	20Ω	R549	HU-002001064	MG RESISTOR	24kΩ
R398	HU-002001141	MG RESISTOR	57.6Ω	R550	HU-002001015	MG RESISTOR	1.3kΩ
R399	HU-002000601	MG RESISTOR	20Ω	R551	HU-002000436	MG RESISTOR	100kΩ
R400	HU-002000601	MG RESISTOR	20Ω	R552	HU-002001173	MG RESISTOR	9.1kΩ
R401	HU-002000601	MG RESISTOR	20Ω	R553	HU-002000615	MG RESISTOR	4.02kΩ
R402	HU-002000601	MG RESISTOR	20Ω	R554	HU-002001079	MG RESISTOR	3.9kΩ

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R555	HU-002000437	MG RESISTOR	10kΩ	R774	HU-002000426	MG RESISTOR	3.3Ω
R558	HU-002000421	MG RESISTOR	75Ω	R775	HU-002000426	MG RESISTOR	3.3Ω
R559	HU-002000421	MG RESISTOR	75Ω	R776	HU-002000598	MG RESISTOR	5.6Ω
R583	HU-002000417	MG RESISTOR	4.7kΩ	R777	HU-002000417	MG RESISTOR	4.7kΩ
R584	HU-002000417	MG RESISTOR	4.7kΩ	R778	HU-002000502	MG RESISTOR	3.3kΩ
R585	HU-002000417	MG RESISTOR	4.7kΩ	R779	HU-002000547	MG RESISTOR	120Ω
R586	HU-002000417	MG RESISTOR	4.7kΩ	R780	HU-002001002	MG RESISTOR	56Ω
R587	HU-002000417	MG RESISTOR	4.7kΩ	R781	HU-002000433	MG RESISTOR	0Ω
R588	HU-002000437	MG RESISTOR	10kΩ	R782	HU-002000433	MG RESISTOR	0Ω
R589	HU-002000417	MG RESISTOR	4.7kΩ	R783	HU-002000454	MG RESISTOR	47kΩ
R591	HU-002000417	MG RESISTOR	4.7kΩ	R785	HU-002001124	MG RESISTOR	47kΩ
R597	HU-002000417	MG RESISTOR	4.7kΩ	R786	HU-002000499	MG RESISTOR	10kΩ
R598	HU-002000527	MG RESISTOR	100Ω	R787	HU-002000443	MG RESISTOR	22Ω
R599	HU-002000437	MG RESISTOR	10kΩ	R788	HU-002000433	MG RESISTOR	0Ω
R600	HU-002000443	MG RESISTOR	22Ω	R790	HU-002000443	MG RESISTOR	22Ω
R601	HU-002000443	MG RESISTOR	22Ω	R792	HU-002000499	MG RESISTOR	10kΩ
R664	HU-002000448	MG RESISTOR	33Ω	R793	HU-002000437	MG RESISTOR	10kΩ
R665	HU-002000448	MG RESISTOR	33Ω	R794	HU-002000437	MG RESISTOR	10kΩ
R666	HU-002000448	MG RESISTOR	33Ω	R795	HU-002001124	MG RESISTOR	47kΩ
R667	HU-002000448	MG RESISTOR	33Ω	R796	HU-002000407	MG RESISTOR	2.2kΩ
R668	HU-002000448	MG RESISTOR	33Ω	R800	HU-002000405	MG RESISTOR	1kΩ
R669	HU-002000448	MG RESISTOR	33Ω	R801	HU-002000405	MG RESISTOR	1kΩ
R670	HU-002000448	MG RESISTOR	33Ω	R802	HU-002000405	MG RESISTOR	1kΩ
R671	HU-002000448	MG RESISTOR	33Ω	R806	HU-002000405	MG RESISTOR	1kΩ
R672	HU-002000448	MG RESISTOR	33Ω	R831	HU-002000527	MG RESISTOR	100Ω
R673	HU-002000448	MG RESISTOR	33Ω	R832	HU-002000527	MG RESISTOR	100Ω
R674	HU-002000448	MG RESISTOR	33Ω	R833	HU-002000417	MG RESISTOR	4.7kΩ
R675	HU-002000448	MG RESISTOR	33Ω	R834	HU-002000417	MG RESISTOR	4.7kΩ
R676	HU-002000448	MG RESISTOR	33Ω	R835	HU-002000417	MG RESISTOR	4.7kΩ
R677	HU-002000448	MG RESISTOR	33Ω	R836	HU-002000417	MG RESISTOR	4.7kΩ
R678	HU-002000448	MG RESISTOR	33Ω	R851	HU-002000527	MG RESISTOR	100Ω
R679	HU-002000448	MG RESISTOR	33Ω	R852	HU-002000527	MG RESISTOR	100Ω
R680	HU-002000448	MG RESISTOR	33Ω	R853	HU-002000527	MG RESISTOR	100Ω
R681	HU-002000448	MG RESISTOR	33Ω	R854	HU-002000527	MG RESISTOR	100Ω
R682	HU-002000448	MG RESISTOR	33Ω	R855	HU-002000527	MG RESISTOR	100Ω
R683	HU-002000448	MG RESISTOR	33Ω	R856	HU-002000527	MG RESISTOR	100Ω
R684	HU-002000448	MG RESISTOR	33Ω	R857	HU-002000527	MG RESISTOR	100Ω
R685	HU-002000448	MG RESISTOR	33Ω	R858	HU-002000527	MG RESISTOR	100Ω
R686	HU-002000448	MG RESISTOR	33Ω	R861	HU-002000527	MG RESISTOR	100Ω
R687	HU-002000448	MG RESISTOR	33Ω	R862	HU-002000527	MG RESISTOR	100Ω
R688	HU-002000448	MG RESISTOR	33Ω	R863	HU-002000527	MG RESISTOR	100Ω
R689	HU-002000448	MG RESISTOR	33Ω	R864	HU-002000437	MG RESISTOR	10kΩ
R690	HU-002000448	MG RESISTOR	33Ω	R865	HU-002000417	MG RESISTOR	4.7kΩ
R691	HU-002000100	MG RESISTOR	100Ω	R866	HU-002000437	MG RESISTOR	10kΩ
R692	HU-002000100	MG RESISTOR	100Ω	R882	HU-002001082	MG RESISTOR	30.9kΩ
R693	HU-002000448	MG RESISTOR	33Ω	R883	HU-002000499	MG RESISTOR	10kΩ
R694	HU-002000448	MG RESISTOR	33Ω	R884	HU-002000499	MG RESISTOR	10kΩ
R695	HU-002000448	MG RESISTOR	33Ω	R885	HU-002000547	MG RESISTOR	120Ω
R696	HU-002000448	MG RESISTOR	33Ω	R887	HU-002000509	MG RESISTOR	200Ω
R697	HU-002000448	MG RESISTOR	33Ω	R889	HU-002001039	MG RESISTOR	16.9kΩ
R698	HU-002000448	MG RESISTOR	33Ω	R890	HU-002000437	MG RESISTOR	10kΩ
R699	HU-002000448	MG RESISTOR	33Ω	R891	HU-0020000001	MG RESISTOR	2.7kΩ
R700	HU-002000448	MG RESISTOR	33Ω	R892	HU-002001015	MG RESISTOR	1.3kΩ
R701	HU-002000448	MG RESISTOR	33Ω	R893	HU-002000171	MG RESISTOR	120Ω
R702	HU-002000448	MG RESISTOR	33Ω	R921	HU-002000529	MG RESISTOR	5.6kΩ
R703	HU-002000448	MG RESISTOR	33Ω	R922	HU-002000448	MG RESISTOR	33Ω
R704	HU-002000448	MG RESISTOR	33Ω	R923	HU-002000527	MG RESISTOR	100Ω
R705	HU-002000448	MG RESISTOR	33Ω	R924	HU-002000437	MG RESISTOR	10kΩ
R706	HU-002000448	MG RESISTOR	33Ω	R925	HU-002001030	MG RESISTOR	120Ω
R707	HU-002000448	MG RESISTOR	33Ω	R926	HU-002000433	MG RESISTOR	0Ω
R708	HU-002000448	MG RESISTOR	33Ω	R927	HU-002000407	MG RESISTOR	2.2kΩ
R709	HU-002000448	MG RESISTOR	33Ω	R928	HU-002000421	MG RESISTOR	75Ω
R710	HU-002000448	MG RESISTOR	33Ω	R929	HU-002001030	MG RESISTOR	120Ω
R711	HU-002000448	MG RESISTOR	33Ω	R930	HU-002000529	MG RESISTOR	5.6kΩ
R712	HU-002000448	MG RESISTOR	33Ω	R931	HU-002000448	MG RESISTOR	33Ω
R713	HU-002000448	MG RESISTOR	33Ω	R932	HU-002000433	MG RESISTOR	0Ω
R743	HU-002000421	MG RESISTOR	75Ω	R933	HU-002000433	MG RESISTOR	0Ω
R744	HU-002000421	MG RESISTOR	75Ω	R934	HU-002000433	MG RESISTOR	0Ω
R747	HU-002000421	MG RESISTOR	75Ω	R939	HU-002000599	MG RESISTOR	200Ω
R748	HU-002000421	MG RESISTOR	75Ω	R940	HU-002000599	MG RESISTOR	200Ω
R750	HU-002000421	MG RESISTOR	75Ω	R963	HU-002000405	MG RESISTOR	1kΩ
R752	HU-002000421	MG RESISTOR	75Ω	R964	HU-002000433	MG RESISTOR	0Ω
R754	HU-002001060	MG RESISTOR	220kΩ	R965	HU-002000433	MG RESISTOR	0Ω
R755	HU-002001060	MG RESISTOR	220kΩ	R966	HU-002000433	MG RESISTOR	0Ω
R757	HU-002001060	MG RESISTOR	220kΩ	R967	HU-002000448	MG RESISTOR	33Ω
R758	HU-002001060	MG RESISTOR	220kΩ	R968	HU-002000448	MG RESISTOR	33Ω
R761	HU-002000426	MG RESISTOR	3.3Ω	R970	HU-002000433	MG RESISTOR	0Ω
R762	HU-002000598	MG RESISTOR	5.6Ω	R972	HU-002000591	MG RESISTOR	18kΩ
R763	HU-002000417	MG RESISTOR	4.7kΩ	R973	HU-002000433	MG RESISTOR	0Ω
R764	HU-002000426	MG RESISTOR	3.3Ω	R974	HU-002000591	MG RESISTOR	18kΩ
R765	HU-002000527	MG RESISTOR	100Ω	R1021	HU-002000407	MG RESISTOR	2.2kΩ
R766	HU-002000426	MG RESISTOR	3.3Ω	R1022	HU-002000448	MG RESISTOR	33Ω
R767	HU-002000417	MG RESISTOR	4.7kΩ	R1023	HU-002000448	MG RESISTOR	33Ω
R768	HU-002000598	MG RESISTOR	5.6Ω	R1053	HU-002000443	MG RESISTOR	22Ω
R769	HU-002000417	MG RESISTOR	4.7kΩ	R1055	HU-002000448	MG RESISTOR	33Ω
R770	HU-002000417	MG RESISTOR	4.7kΩ	R1056	HU-002000448	MG RESISTOR	33Ω
R771	HU-002000598	MG RESISTOR	5.6Ω	R1060	HU-002000437	MG RESISTOR	10kΩ
R772	HU-002000417	MG RESISTOR	4.7kΩ	R1061	HU-0020000025	MG RESISTOR	1kΩ
R773	HU-002000433	MG RESISTOR	0Ω	R1071	HU-002000436	MG RESISTOR	100kΩ

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R1072	HU-002001173	MG RESISTOR	9.1kΩ	R1390	HU-002000443	MG RESISTOR	22Ω
R1073	HU-002001064	MG RESISTOR	24kΩ	R1394	HU-002000427	MG RESISTOR	150Ω
R1074	HU-002000615	MG RESISTOR	4.02kΩ	R1401	HU-002000417	MG RESISTOR	4.7kΩ
R1079	HU-002000436	MG RESISTOR	100kΩ	R1402	HU-002000421	MG RESISTOR	75Ω
R1081	HU-002000615	MG RESISTOR	4.02kΩ	R1403	HU-002000520	MG RESISTOR	47Ω
R1082	HU-002000983	MG RESISTOR	2kΩ	R1404	HU-002000421	MG RESISTOR	75Ω
R1083	HU-002001173	MG RESISTOR	9.1kΩ	R1405	HU-002000417	MG RESISTOR	4.7kΩ
R1085	HU-002000437	MG RESISTOR	10kΩ	R1406	HU-002000520	MG RESISTOR	47Ω
R1086	HU-002000437	MG RESISTOR	10kΩ	R1407	HU-002000417	MG RESISTOR	4.7kΩ
R1087	HU-002000436	MG RESISTOR	100kΩ	R1408	HU-002000417	MG RESISTOR	4.7kΩ
R1088	HU-002000578	MG RESISTOR	33kΩ	R1409	HU-002000443	MG RESISTOR	22Ω
R1089	HU-002000437	MG RESISTOR	10kΩ	R1414	HU-002001060	MG RESISTOR	220kΩ
R1091	HU-002000417	MG RESISTOR	4.7kΩ	R1415	HU-002000099	MG RESISTOR	4.7Ω
R1092	HU-002000527	MG RESISTOR	100Ω	R1416	HU-002000433	MG RESISTOR	0Ω
R1093	HU-002000171	MG RESISTOR	120Ω	R1417	HU-002001060	MG RESISTOR	220kΩ
R1094	HU-002000421	MG RESISTOR	75Ω	R1418	HU-002000421	MG RESISTOR	75Ω
R1095	HU-002000421	MG RESISTOR	75Ω	R1421	HU-002000433	MG RESISTOR	0Ω
R1211	HU-002000437	MG RESISTOR	10kΩ	R1422	HU-002000433	MG RESISTOR	0Ω
R1212	HU-002000437	MG RESISTOR	10kΩ	R1425	HU-002000433	MG RESISTOR	0Ω
R1213	HU-002000437	MG RESISTOR	10kΩ	R1427	HU-002000520	MG RESISTOR	47Ω
R1214	HU-002000437	MG RESISTOR	10kΩ	R1428	HU-002000520	MG RESISTOR	47Ω
R1215	HU-002000437	MG RESISTOR	10kΩ	R1429	HU-002000520	MG RESISTOR	47Ω
R1216	HU-002000437	MG RESISTOR	10kΩ	R1431	HU-002000448	MG RESISTOR	33Ω
R1218	HU-002000508	MG RESISTOR	10Ω	R1432	HU-002000448	MG RESISTOR	33Ω
R1219	HU-002000437	MG RESISTOR	10kΩ	R1433	HU-002000448	MG RESISTOR	33Ω
R1221	HU-002000417	MG RESISTOR	4.7kΩ	R1434	HU-002000417	MG RESISTOR	4.7kΩ
R1222	HU-002000437	MG RESISTOR	10kΩ	R1435	HU-002000448	MG RESISTOR	33Ω
R1225	HU-002000437	MG RESISTOR	10kΩ	R1436	HU-002000417	MG RESISTOR	4.7kΩ
R1226	HU-002000443	MG RESISTOR	22Ω	R1437	HU-002000417	MG RESISTOR	4.7kΩ
R1227	HU-002000443	MG RESISTOR	22Ω	R1438	HU-002000448	MG RESISTOR	33Ω
R1228	HU-002000443	MG RESISTOR	22Ω	R1439	HU-002000448	MG RESISTOR	33Ω
R1291	HU-002000437	MG RESISTOR	10kΩ	R1440	HU-002000448	MG RESISTOR	33Ω
R1292	HU-002000437	MG RESISTOR	10kΩ	R1441	HU-002000448	MG RESISTOR	33Ω
R1293	HU-002000437	MG RESISTOR	10kΩ	R1442	HU-002000448	MG RESISTOR	33Ω
R1301	HU-002000417	MG RESISTOR	4.7kΩ	R1443	HU-002000448	MG RESISTOR	33Ω
R1303	HU-002000520	MG RESISTOR	47Ω	R1444	HU-002000433	MG RESISTOR	0Ω
R1304	HU-002000520	MG RESISTOR	47Ω	R1445	HU-002000433	MG RESISTOR	0Ω
R1306	HU-002000417	MG RESISTOR	4.7kΩ	R1446	HU-002000439	MG RESISTOR	12kΩ
R1307	HU-002000417	MG RESISTOR	4.7kΩ	R1447	HU-002000433	MG RESISTOR	0Ω
R1308	HU-002000417	MG RESISTOR	4.7kΩ	R1448	HU-002000517	MG RESISTOR	249Ω
R1309	HU-002000417	MG RESISTOR	4.7kΩ	R1449	HU-002000448	MG RESISTOR	33Ω
R1310	HU-002000417	MG RESISTOR	4.7kΩ	R1451	HU-002000547	MG RESISTOR	120Ω
R1311	HU-002000417	MG RESISTOR	4.7kΩ	R1452	HU-002001002	MG RESISTOR	56Ω
R1312	HU-002000417	MG RESISTOR	4.7kΩ	R1453	HU-002000433	MG RESISTOR	0Ω
R1313	HU-002000417	MG RESISTOR	4.7kΩ	R1493	HU-002000454	MG RESISTOR	47kΩ
R1314	HU-002000417	MG RESISTOR	4.7kΩ	R1494	HU-002000454	MG RESISTOR	47kΩ
R1315	HU-002000417	MG RESISTOR	4.7kΩ	R1495	HU-002000454	MG RESISTOR	47kΩ
R1316	HU-002000417	MG RESISTOR	4.7kΩ	R1496	HU-002000454	MG RESISTOR	47kΩ
R1317	HU-002000417	MG RESISTOR	4.7kΩ	R1497	HU-002000443	MG RESISTOR	22Ω
R1318	HU-002000417	MG RESISTOR	4.7kΩ	R1498	HU-002000443	MG RESISTOR	22Ω
R1319	HU-002000417	MG RESISTOR	4.7kΩ	R1499	HU-002000443	MG RESISTOR	22Ω
R1320	HU-002000417	MG RESISTOR	4.7kΩ	R1500	HU-002000443	MG RESISTOR	22Ω
R1321	HU-002000417	MG RESISTOR	4.7kΩ	R1532	HU-002001009	MG RESISTOR	68kΩ
R1322	HU-002000417	MG RESISTOR	4.7kΩ	R1533	HU-002000443	MG RESISTOR	22Ω
R1323	HU-002000417	MG RESISTOR	4.7kΩ	R1534	HU-002000454	MG RESISTOR	47kΩ
R1324	HU-002000417	MG RESISTOR	4.7kΩ	R1535	HU-002000454	MG RESISTOR	47kΩ
R1344	HU-002000443	MG RESISTOR	22Ω	R1536	HU-002000443	MG RESISTOR	22Ω
R1351	HU-002000443	MG RESISTOR	22Ω	R1537	HU-002000443	MG RESISTOR	22Ω
R1352	HU-002000443	MG RESISTOR	22Ω	R1538	HU-002000454	MG RESISTOR	47kΩ
R1353	HU-002000526	MG RESISTOR	3.3kΩ	R1539	HU-002001022	MG RESISTOR	110Ω
R1354	HU-002000526	MG RESISTOR	3.3kΩ	R1540	HU-002000509	MG RESISTOR	200Ω
R1355	HU-002000417	MG RESISTOR	4.7kΩ	R1541	HU-002000421	MG RESISTOR	75Ω
R1356	HU-002000417	MG RESISTOR	4.7kΩ	R1542	HU-002000421	MG RESISTOR	75Ω
R1357	HU-002000437	MG RESISTOR	10kΩ	R1543	HU-002000421	MG RESISTOR	75Ω
R1358	HU-002000405	MG RESISTOR	1kΩ	R1544	HU-002000421	MG RESISTOR	75Ω
R1359	HU-002000437	MG RESISTOR	10kΩ	R1545	HU-002000433	MG RESISTOR	0Ω
R1360	HU-002001003	MG RESISTOR	56Ω	R1546	HU-002000421	MG RESISTOR	75Ω
R1361	HU-002000417	MG RESISTOR	4.7kΩ	R1547	HU-002000445	MG RESISTOR	30kΩ
R1362	HU-002000437	MG RESISTOR	10kΩ	R1548	HU-002000421	MG RESISTOR	75Ω
R1363	HU-002000526	MG RESISTOR	3.3kΩ	R1549	HU-002000437	MG RESISTOR	10kΩ
R1364	HU-002000526	MG RESISTOR	3.3kΩ	R1550	HU-002001060	MG RESISTOR	220kΩ
R1365	HU-002000417	MG RESISTOR	4.7kΩ	R1551	HU-002001009	MG RESISTOR	68kΩ
R1367	HU-002000454	MG RESISTOR	47kΩ	R1552	HU-002000511	MG RESISTOR	15kΩ
R1368	HU-002000417	MG RESISTOR	4.7kΩ	R1553	HU-002001060	MG RESISTOR	220kΩ
R1370	HU-002000417	MG RESISTOR	4.7kΩ	R1554	HU-002000527	MG RESISTOR	100Ω
R1371	HU-002000437	MG RESISTOR	10kΩ	R1555	HU-002000511	MG RESISTOR	15kΩ
R1372	HU-002000437	MG RESISTOR	10kΩ	R1556	HU-002001060	MG RESISTOR	220kΩ
R1373	HU-002000908	MG RESISTOR	330Ω	R1557	HU-002001009	MG RESISTOR	68kΩ
R1374	HU-002000417	MG RESISTOR	4.7kΩ	R1558	HU-002000527	MG RESISTOR	100Ω
R1376	HU-002000437	MG RESISTOR	10kΩ	R1559	HU-002001060	MG RESISTOR	220kΩ
R1381	HU-002001143	MG RESISTOR	576Ω	R1560	HU-002000405	MG RESISTOR	1kΩ
R1382	HU-002001159	MG RESISTOR	7.68kΩ	R1561	HU-002000405	MG RESISTOR	1kΩ
R1383	HU-002001159	MG RESISTOR	7.68kΩ	R1562	HU-002000437	MG RESISTOR	10kΩ
R1384	HU-002000433	MG RESISTOR	0Ω	R1563	HU-002000437	MG RESISTOR	10kΩ
R1385	HU-002000443	MG RESISTOR	22Ω	R1564	HU-002000615	MG RESISTOR	4.02kΩ
R1386	HU-002000443	MG RESISTOR	22Ω	R1565	HU-002000437	MG RESISTOR	10kΩ
R1387	HU-002000443	MG RESISTOR	22Ω	R1566	HU-002000527	MG RESISTOR	100Ω
R1388	HU-002000443	MG RESISTOR	22Ω	R1568	HU-002000465	MG RESISTOR	1kΩ
R1389	HU-002000443	MG RESISTOR	22Ω	R1570	HU-002000433	MG RESISTOR	0Ω

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
R1571	HU-002000502	MG RESISTOR	3.3kΩ		RD1076	HU-002000313	MG RESISTOR	2.7KΩ	
R1572	HU-002000502	MG RESISTOR	3.3kΩ		RD1077	HU-002000548	MG RESISTOR	1.2kΩ	
R1573	HU-002000454	MG RESISTOR	47kΩ		RD1078	HU-002000437	MG RESISTOR	10kΩ	
R1574	HU-002000437	MG RESISTOR	10kΩ		RD1231	HU-002000443	MG RESISTOR	22Ω	
R1575	HU-002000437	MG RESISTOR	10kΩ		RD1232	HU-002000561	MG RESISTOR	120KΩ	
R1576	HU-002000437	MG RESISTOR	10kΩ		RD1233	HU-002000443	MG RESISTOR	22Ω	
R1577	HU-002000437	MG RESISTOR	10kΩ		RD1234	HU-002000443	MG RESISTOR	22Ω	
R1581	HU-002000421	MG RESISTOR	75Ω		RD1235	HU-002000443	MG RESISTOR	22Ω	
R1582	HU-002000421	MG RESISTOR	75Ω		RD1236	HU-002000443	MG RESISTOR	22Ω	
R1583	HU-002000421	MG RESISTOR	75Ω		RD1237	HU-002000443	MG RESISTOR	22Ω	
R1584	HU-002000421	MG RESISTOR	75Ω		RD1238	HU-002000443	MG RESISTOR	22Ω	
R1585	HU-002000433	MG RESISTOR	0Ω		RD1239	HU-002000443	MG RESISTOR	22Ω	
R1586	HU-002000421	MG RESISTOR	75Ω		RD1240	HU-002000443	MG RESISTOR	22Ω	
R1587	HU-002000421	MG RESISTOR	75Ω		RD1241	HU-002000443	MG RESISTOR	22Ω	
R1588	HU-002000445	MG RESISTOR	30kΩ		RD1242	HU-002000443	MG RESISTOR	22Ω	
R1589	HU-002000437	MG RESISTOR	10kΩ		RD1263	HU-002000547	MG RESISTOR	120Ω	
R1590	HU-002001060	MG RESISTOR	220kΩ		RD1264	HU-002000547	MG RESISTOR	120Ω	
R1591	HU-002001009	MG RESISTOR	68kΩ		RD1266	HU-002000527	MG RESISTOR	100Ω	
R1592	HU-002001060	MG RESISTOR	220kΩ		RD1267	HU-002000527	MG RESISTOR	100Ω	
R1593	HU-002000511	MG RESISTOR	15kΩ		RD1268	HU-002000527	MG RESISTOR	100Ω	
R1594	HU-002000527	MG RESISTOR	100Ω		RD1269	HU-002000527	MG RESISTOR	100Ω	
R1595	HU-002001060	MG RESISTOR	220kΩ		RD1270	HU-002000527	MG RESISTOR	100Ω	
R1596	HU-002000511	MG RESISTOR	15kΩ		RD1271	HU-002000527	MG RESISTOR	100Ω	
R1597	HU-002001009	MG RESISTOR	68kΩ		RD1272	HU-002000527	MG RESISTOR	100Ω	
R1598	HU-002000527	MG RESISTOR	100Ω		RD1273	HU-002000527	MG RESISTOR	100Ω	
R1599	HU-002001060	MG RESISTOR	220kΩ						
R1600	HU-002000405	MG RESISTOR	1kΩ		L1	NQR0297-001X	FERRITE CORE		
R1601	HU-002000615	MG RESISTOR	4.02kΩ		L2	NQR0297-001X	FERRITE CORE		
R1602	HU-002000437	MG RESISTOR	10kΩ		L3	HU-011030350	FERRITE BEAD		
R1604	HU-002000465	MG RESISTOR	1kΩ		L4	NQR0154-002X	FERRITE CORE		
R1605	HU-002000405	MG RESISTOR	1kΩ		L31	HU-0110000027	CHOKE COIL	4.7uH	
R1606	HU-002000437	MG RESISTOR	10kΩ		L32	HU-011001940	COIL	1uH	
R1631	HU-002000407	MG RESISTOR	2.2KΩ		L33	NQR0154-002X	FERRITE CORE		
R1632	HU-002000407	MG RESISTOR	2.2KΩ		L34	NQR0154-002X	FERRITE CORE		
R1731	HU-002000527	MG RESISTOR	100Ω		L35	NQR0154-002X	FERRITE CORE		
R1732	HU-002000417	MG RESISTOR	4.7kΩ		L111	NQR0154-002X	FERRITE CORE		
R1733	HU-002000527	MG RESISTOR	100Ω		L112	NQR0154-002X	FERRITE CORE		
RD251	HU-002000016	MG RESISTOR	1Ω		L113	HU-011050050	CHOKE COIL		
RD252	HU-002000016	MG RESISTOR	1Ω		L114	HU-011030350	FERRITE BEAD		
RD253	HU-002000519	MG RESISTOR	10Ω		L161	NQR0154-002X	FERRITE CORE		
RD254	HU-002000519	MG RESISTOR	10Ω		L182	NQR0154-002X	FERRITE CORE		
RD255	HU-002000519	MG RESISTOR	10Ω		L381	NQR0154-002X	FERRITE CORE		
RD256	HU-002000519	MG RESISTOR	10Ω		L382	NQR0154-002X	FERRITE CORE		
RD257	HU-002000519	MG RESISTOR	10Ω		L383	NQR0154-002X	FERRITE CORE		
RD258	HU-002000519	MG RESISTOR	10Ω		L384	NQR0154-002X	FERRITE CORE		
RD259	HU-002000519	MG RESISTOR	10Ω		L385	NQR0154-002X	FERRITE CORE		
RD260	HU-002000519	MG RESISTOR	10Ω		L386	NQR0154-002X	FERRITE CORE		
RD261	HU-002000519	MG RESISTOR	10Ω		L451	NQR0154-002X	FERRITE CORE		
RD262	HU-002000519	MG RESISTOR	10Ω		L452	NQR0154-002X	FERRITE CORE		
RD263	HU-002000519	MG RESISTOR	10Ω		L456	HU-011030300	FERRITE BEAD		
RD264	HU-002000519	MG RESISTOR	10Ω		L541	HU-0110000027	CHOKE COIL	4.7uH	
RD265	HU-002000437	MG RESISTOR	10kΩ		L542	HU-0110000027	CHOKE COIL	4.7uH	
RD266	HU-002000519	MG RESISTOR	10Ω		L543	NQR0154-002X	FERRITE CORE		
RD267	HU-002000519	MG RESISTOR	10Ω		L581	NQR0154-002X	FERRITE CORE		
RD268	HU-0020000021	MG RESISTOR	294Ω		L641	NQR0154-002X	FERRITE CORE		
RD269	HU-002000519	MG RESISTOR	10Ω		L642	NQR0154-002X	FERRITE CORE		
RD270	HU-002000519	MG RESISTOR	10Ω		L643	NQR0154-002X	FERRITE CORE		
RD271	HU-002000519	MG RESISTOR	10Ω		L644	NQR0154-002X	FERRITE CORE		
RD272	HU-002000519	MG RESISTOR	10Ω		L691	NQR0154-002X	FERRITE CORE		
RD273	HU-002000519	MG RESISTOR	10Ω		L692	NQR0154-002X	FERRITE CORE		
RD274	HU-002000519	MG RESISTOR	10Ω		L693	NQR0154-002X	FERRITE CORE		
RD275	HU-002000519	MG RESISTOR	10Ω		L694	NQR0154-002X	FERRITE CORE		
RD276	HU-002000437	MG RESISTOR	10kΩ		L741	NQL812K-1R8X	PEAKING COIL	1.8uH	K
RD277	HU-002000519	MG RESISTOR	10Ω		L742	HU-011030006	BEAD		
RD321	HU-002000599	MG RESISTOR	200Ω		L743	NQL812K-1R8X	PEAKING COIL	1.8uH	K
RD322	HU-002000599	MG RESISTOR	200Ω		L744	HU-011030006	BEAD		
RD601	HU-002001066	MG RESISTOR	24Ω		L761	NQR0154-002X	FERRITE CORE		
RD602	HU-002001066	MG RESISTOR	24Ω		L762	HU-0110000029	COIL	15uH	
RD604	HU-002001066	MG RESISTOR	24Ω		L763	HU-0110000029	COIL	15uH	
RD606	HU-002001066	MG RESISTOR	24Ω		L764	NQR0154-002X	FERRITE CORE		
RD607	HU-002001066	MG RESISTOR	24Ω		L765	NQR0154-002X	FERRITE CORE		
RD608	HU-002001066	MG RESISTOR	24Ω		L766	NQR0154-002X	FERRITE CORE		
RD609	HU-002001066	MG RESISTOR	24Ω		L767	HU-011000056	INDUCTOR	1.8uH	
RD610	HU-002000443	MG RESISTOR	22Ω		L768	HU-011000056	INDUCTOR	1.8uH	
RD611	HU-002000443	MG RESISTOR	22Ω		L770	NQR0154-002X	FERRITE CORE		
RD612	HU-002000443	MG RESISTOR	22Ω		L883	NQR0154-002X	FERRITE CORE		
RD613	HU-002000443	MG RESISTOR	22Ω		L921	NQR0154-002X	FERRITE CORE		
RD614	HU-002001137	MG RESISTOR	51Ω		L922	NQR0154-002X	FERRITE CORE		
RD615	HU-002001137	MG RESISTOR	51Ω		L923	NQR0154-002X	FERRITE CORE		
RD616	HU-002001137	MG RESISTOR	51Ω		L961	NQR0154-002X	FERRITE CORE		
RD617	HU-002001137	MG RESISTOR	51Ω		L962	NQR0154-002X	FERRITE CORE		
RD618	HU-002001137	MG RESISTOR	51Ω		L963	NQR0154-002X	FERRITE CORE		
RD619	HU-002001137	MG RESISTOR	51Ω		L964	NQR0154-002X	FERRITE CORE		
RD620	HU-002001137	MG RESISTOR	51Ω		L965	NQR0154-002X	FERRITE CORE		
RD621	HU-002000527	MG RESISTOR	100Ω		L1021	NQR0154-002X	FERRITE CORE		
RD622	HU-002000527	MG RESISTOR	100Ω		L1022	NQR0154-002X	FERRITE CORE		
RD623	HU-002001066	MG RESISTOR	24Ω		L1023	NQR0154-002X	FERRITE CORE		
RD624	HU-002001137	MG RESISTOR	51Ω		L1024	NQR0154-002X	FERRITE CORE		
RD625	HU-002001124	MG RESISTOR	47kΩ		L1051	HU-011002720	CHIP COIL		

△Ref No.	Part No.	Part Name	Description	Local	△Ref No.	Part No.	Part Name	Description	Local
L1052	HU-011030160	FERRITE CORE			PR616	HU-002070024	NET RESISTOR	24Ωx4	
L1071	HU-0110000010	INDUCTOR			PR617	HU-002070024	NET RESISTOR	24Ωx4	
L1072	HU-0110000027	CHOKE COIL	4.7uH		PR618	HU-002070024	NET RESISTOR	24Ωx4	
L1074	NQR0154-002X	FERRITE CORE			PR619	HU-002070024	NET RESISTOR	24Ωx4	
L1131	NQR0154-002X	FERRITE CORE			PR620	HU-002070024	NET RESISTOR	24Ωx4	
L1132	NQR0154-002X	FERRITE CORE			PR621	HU-002070024	NET RESISTOR	24Ωx4	
L1133	NQR0154-002X	FERRITE CORE			PR622	HU-002070033	NET RESISTOR	51Ωx4	
L1134	HU-011030350	FERRITE BEAD			PR623	HU-002070033	NET RESISTOR	51Ωx4	
L1135	HU-011030350	FERRITE BEAD			PR624	HU-002070033	NET RESISTOR	51Ωx4	
L1136	HU-011030350	FERRITE BEAD			PR625	HU-002070033	NET RESISTOR	51Ωx4	
L1181	HU-011030350	FERRITE BEAD			PR626	HU-002070033	NET RESISTOR	51Ωx4	
L1381	NQR0154-002X	FERRITE CORE			PR627	HU-002070033	NET RESISTOR	51Ωx4	
L1401	HU-002000090	COIL			PR628	HU-002070033	NET RESISTOR	51Ωx4	
L1402	HU-002000090	COIL			PR629	HU-002070033	NET RESISTOR	51Ωx4	
L1403	NQR0154-002X	FERRITE CORE			PR630	HU-002070033	NET RESISTOR	51Ωx4	
L1404	HU-011000056	INDUCTOR	1.8uH		PR631	HU-002070033	NET RESISTOR	51Ωx4	
L1405	HU-011000056	INDUCTOR	1.8uH		PR632	HU-002070033	NET RESISTOR	51Ωx4	
L1406	HU-002000090	COIL			PR633	HU-002070033	NET RESISTOR	51Ωx4	
L1431	NQR0154-002X	FERRITE CORE			PR634	HU-002070033	NET RESISTOR	51Ωx4	
L1432	NQR0154-002X	FERRITE CORE			PR635	HU-002070033	NET RESISTOR	51Ωx4	
L1491	NQR0154-002X	FERRITE CORE			PR636	HU-002070033	NET RESISTOR	51Ωx4	
L1492	NQR0154-002X	FERRITE CORE			PR637	HU-002070033	NET RESISTOR	51Ωx4	
L1531	NQR0154-002X	FERRITE CORE			PR638	HU-002070033	NET RESISTOR	51Ωx4	
L1541	NQL812K-1R8X	PEAKING COIL	1.8uH K		PR639	HU-002070033	NET RESISTOR	51Ωx4	
L1543	NQL812K-1R8X	PEAKING COIL	1.8uH K		PR640	HU-002070033	NET RESISTOR	51Ωx4	
L1544	NQL812K-1R8X	PEAKING COIL	1.8uH K		PR641	HU-002070033	NET RESISTOR	51Ωx4	
L1545	NQL812K-1R8X	PEAKING COIL	1.8uH K		PR642	HU-002070033	NET RESISTOR	51Ωx4	
L1581	NQL812K-1R8X	PEAKING COIL	1.8uH K		PR961	HU-002070050	NET RESISTOR	47Ωx4	
L1583	NQL812K-1R8X	PEAKING COIL	1.8uH K		PR962	HU-002070050	NET RESISTOR	47Ωx4	
L1584	NQL812K-1R8X	PEAKING COIL	1.8uH K		PR963	HU-002070050	NET RESISTOR	47Ωx4	
L1585	NQL812K-1R8X	PEAKING COIL	1.8uH K		PR1231	HU-002070041	NET RESISTOR	22Ωx4	
LD251	NQR0154-002X	FERRITE CORE			PR1232	HU-002070041	NET RESISTOR	22Ωx4	
LD252	NQR0154-002X	FERRITE CORE			PR1233	HU-002070041	NET RESISTOR	22Ωx4	
LD321	NQR0154-002X	FERRITE CORE			PR1234	HU-002070041	NET RESISTOR	22Ωx4	
LD322	NQR0154-002X	FERRITE CORE			PR1235	HU-002070041	NET RESISTOR	22Ωx4	
					PR1236	HU-002070041	NET RESISTOR	22Ωx4	
JP112	HU-009100033	USB CONNECTOR	USB		PR1237	HU-002070041	NET RESISTOR	22Ωx4	
JP221	HU-009030370	PC CONNECTOR	PC		PR1238	HU-002070041	NET RESISTOR	22Ωx4	
JP741	HU-0090100001	PIN JACK	EXT-3 Pr/Pb/Y		PR1239	HU-002070041	NET RESISTOR	22Ωx4	
JP742	HU-009010036	S-JACK	EXT-4 S-VIDEO		PR1240	HU-002070041	NET RESISTOR	22Ωx4	
JP743	HU-009010940	PIN JACK	EXT-4 VIDEO/AUDIO(L/R)		PR1241	HU-002070041	NET RESISTOR	22Ωx4	
JP744	HU-009130050	PIN JACK	EXT-3 AUDIO(L/R)		PR1242	HU-002070041	NET RESISTOR	22Ωx4	
JP762	HU-009010076	HEADPHONE JACK	HEADPHONE		PR1245	HU-002070041	NET RESISTOR	22Ωx4	
JP831	HU-009130030	JACK	SERVICE		PR1261	HU-002070025	NET RESISTOR	100Ωx4	
JP1401	HU-009130030	JACK	PC AUDIO		PR1262	HU-002070025	NET RESISTOR	100Ωx4	
JP1402	HU-009090120	OPT CONNECTOR	DIGITAL AUDIO OUT		PR1263	HU-002070025	NET RESISTOR	100Ωx4	
JP1491	HU-009100750	HDMI CONNECTOR	EXT-5 HDMI		PR1264	HU-002070025	NET RESISTOR	100Ωx4	
JP1492	HU-009100750	HDMI CONNECTOR	EXT-6 HDMI		PR1265	HU-002070025	NET RESISTOR	100Ωx4	
JP1531	HU-009100600	HDMI CONNECTOR	EXT-7 HDMI		PR1267	HU-002070025	NET RESISTOR	100Ωx4	
JP1541	HU-0090400001	SCART CONNECTOR	EXT-1		PR1268	HU-002070025	NET RESISTOR	100Ωx4	
JP1581	HU-0090400001	SCART CONNECTOR	EXT-2		PR1269	HU-002070025	NET RESISTOR	100Ωx4	
PR111	HU-002070049	NET RESISTOR	10kΩx4		PR1270	HU-002070025	NET RESISTOR	100Ωx4	
PR161	HU-002070039	NET RESISTOR	33Ωx4		PR1272	HU-002070025	NET RESISTOR	100Ωx4	
PR211	HU-002070025	NET RESISTOR	100Ωx4		PR1273	HU-002070025	NET RESISTOR	100Ωx4	
PR212	HU-002070025	NET RESISTOR	100Ωx4		PR1274	HU-002070025	NET RESISTOR	100Ωx4	
PR213	HU-002070025	NET RESISTOR	100Ωx4		PR1275	HU-002070025	NET RESISTOR	100Ωx4	
PR221	HU-002070039	NET RESISTOR	33Ωx4		PR1301	HU-002070041	NET RESISTOR	22Ωx4	
PR222	HU-002070039	NET RESISTOR	33Ωx4		PR1302	HU-002070041	NET RESISTOR	22Ωx4	
PR223	HU-002070039	NET RESISTOR	33Ωx4		PR1303	HU-002070041	NET RESISTOR	22Ωx4	
PR224	HU-002070039	NET RESISTOR	33Ωx4		PR1304	HU-002070041	NET RESISTOR	22Ωx4	
PR225	HU-002070039	NET RESISTOR	33Ωx4		PR1305	HU-002070041	NET RESISTOR	22Ωx4	
PR226	HU-002070039	NET RESISTOR	33Ωx4		PR1306	HU-002070041	NET RESISTOR	22Ωx4	
PR251	HU-002070034	NET RESISTOR	10Ωx4		PR1307	HU-002070041	NET RESISTOR	22Ωx4	
PR252	HU-002070034	NET RESISTOR	10Ωx4		PR1308	HU-002070041	NET RESISTOR	22Ωx4	
PR253	HU-002070034	NET RESISTOR	10Ωx4		PR1309	HU-002070041	NET RESISTOR	22Ωx4	
PR254	HU-002070034	NET RESISTOR	10Ωx4		PR1310	HU-002070041	NET RESISTOR	22Ωx4	
PR255	HU-002070034	NET RESISTOR	10Ωx4		PR1381	HU-002070041	NET RESISTOR	22Ωx4	
PR256	HU-002070034	NET RESISTOR	10Ωx4		PR1382	HU-002070041	NET RESISTOR	22Ωx4	
PR257	HU-002070034	NET RESISTOR	10Ωx4		PR1383	HU-002070041	NET RESISTOR	22Ωx4	
PR258	HU-002070034	NET RESISTOR	10Ωx4		PR1384	HU-002070041	NET RESISTOR	22Ωx4	
PR259	HU-002070034	NET RESISTOR	10Ωx4		RV741	HU-002110004	VARIATOR	100pF 5.6V	
PR260	HU-002070034	NET RESISTOR	10Ωx4		RV742	HU-002110004	VARIATOR	100pF 5.6V	
PR261	HU-002070034	NET RESISTOR	10Ωx4		RV743	HU-002110004	VARIATOR	100pF 5.6V	
PR262	HU-002070034	NET RESISTOR	10Ωx4		RV744	HU-002110004	VARIATOR	100pF 5.6V	
PR601	HU-002070024	NET RESISTOR	24Ωx4		RV745	HU-002110004	VARIATOR	100pF 5.6V	
PR602	HU-002070024	NET RESISTOR	24Ωx4		RV746	HU-002110008	VARIATOR		
PR603	HU-002070024	NET RESISTOR	24Ωx4		RV747	HU-002110008	VARIATOR		
PR604	HU-002070024	NET RESISTOR	24Ωx4		RV748	HU-002110008	VARIATOR		
PR605	HU-002070024	NET RESISTOR	24Ωx4		RV749	HU-002110008	VARIATOR		
PR606	HU-002070024	NET RESISTOR	24Ωx4		RV831	HU-002110008	VARIATOR		
PR607	HU-002070024	NET RESISTOR	24Ωx4		RV832	HU-002110008	VARIATOR		
PR608	HU-002070024	NET RESISTOR	24Ωx4		RV1401	HU-002110004	VARIATOR	100pF 5.6V	
PR609	HU-002070024	NET RESISTOR	24Ωx4		RV1402	HU-002110004	VARIATOR	100pF 5.6V	
PR610	HU-002070024	NET RESISTOR	24Ωx4		RV1403	HU-002110008	VARIATOR		
PR611	HU-002070024	NET RESISTOR	24Ωx4		RV1404	HU-002110008	VARIATOR		
PR612	HU-002070024	NET RESISTOR	24Ωx4		RV1405	HU-002110008	VARIATOR		
PR613	HU-002070024	NET RESISTOR	24Ωx4		RV1406	HU-002110008	VARIATOR		
PR614	HU-002070024	NET RESISTOR	24Ωx4		RV1541	HU-002110004	VARIATOR	100pF 5.6V	
PR615	HU-002070024	NET RESISTOR	24Ωx4		RV1542	HU-002110004	VARIATOR	100pF 5.6V	

△Ref No.	Part No.	Part Name	Description	Local
RV1543	HU-002110004	VARISTOR	100pF	5.6V
RV1544	HU-002110004	VARISTOR	100pF	5.6V
RV1545	HU-002110004	VARISTOR	100pF	5.6V
RV1546	HU-002110008	VARISTOR		
RV1547	HU-002110008	VARISTOR		
RV1548	HU-002110008	VARISTOR		
RV1549	HU-002110008	VARISTOR		
RV1550	HU-002110008	VARISTOR		
RV1581	HU-002110004	VARISTOR	100pF	5.6V
RV1582	HU-002110004	VARISTOR	100pF	5.6V
RV1583	HU-002110004	VARISTOR	100pF	5.6V
RV1584	HU-002110004	VARISTOR	100pF	5.6V
RV1585	HU-002110004	VARISTOR	100pF	5.6V
RV1586	HU-002110008	VARISTOR		
RV1587	HU-002110008	VARISTOR		
RV1588	HU-002110008	VARISTOR		
RV1589	HU-002110008	VARISTOR		
RV1590	HU-002110008	VARISTOR		
Y81	HU-005000940	CRYSTAL	16MHz	
Y111	HU-0050000007	CRYSTAL	19.6608MHz	
Y581	HU-0050100001	CRYSTAL	74.175MHz	
Y961	HU-005000940	CRYSTAL	16MHz	
Y1211	HU-005001080	CRYSTAL	27MHz	

IR P.W. BOARD ASS'Y (HU-72200004)

△Ref No.	Part No.	Part Name	Description	Local
U1	HU-006050270	REMOCON SENSOR		
D1	HU-006020000	LED		STANDBY
C1	HU-001060288	C CAPACITOR	1uF	25V
C2	HU-001060288	C CAPACITOR	1uF	25V
C3	HU-0010900002	TA CAPACITOR	220uF	10V
R10	HU-002000390	MG RESISTOR		20Ω
RV1	HU-002110004	VARISTOR	100pF	5.6V
RV2	HU-002110004	VARISTOR	100pF	5.6V

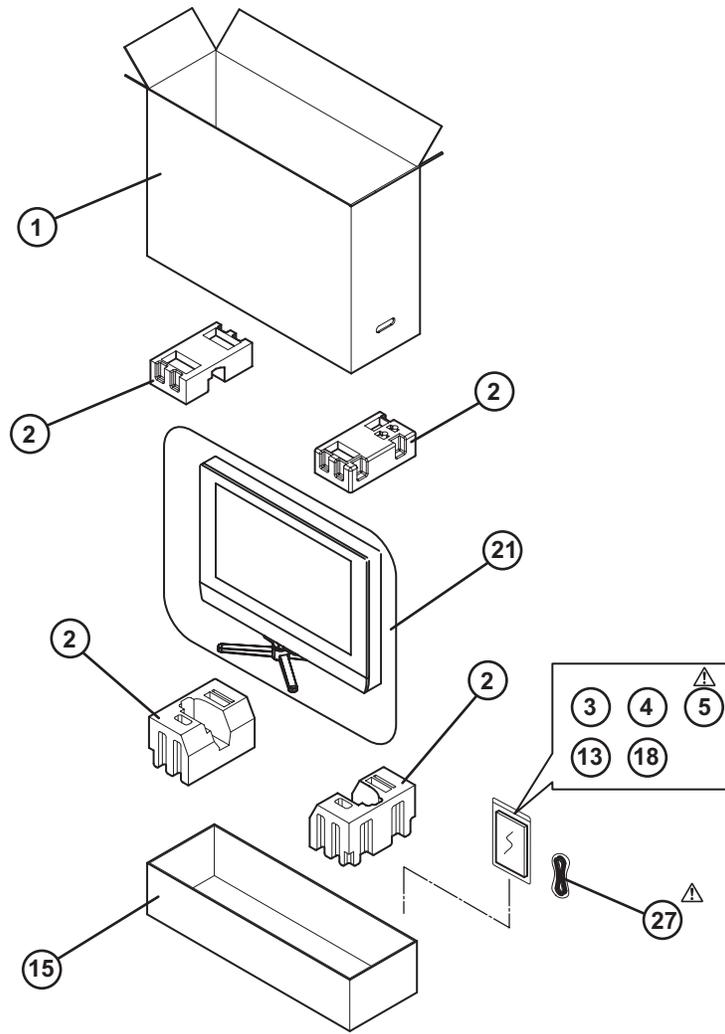
KEY P.W. BOARD ASS'Y (HU-72200003)

△Ref No.	Part No.	Part Name	Description	Local
R5	HU-002001068	MG RESISTOR		270Ω
R6	HU-002001068	MG RESISTOR		270Ω
R7	HU-002000453	MG RESISTOR		470Ω
R8	HU-002000453	MG RESISTOR		470Ω
R9	HU-002000405	MG RESISTOR		1kΩ
R11	HU-002001050	MG RESISTOR		2.7kΩ
R12	HU-002000405	MG RESISTOR		1kΩ
R13	HU-002001050	MG RESISTOR		2.7kΩ
RV3	HU-002110004	VARISTOR	100pF	5.6V
RV4	HU-002110004	VARISTOR	100pF	5.6V
S1	HU-008020007	TACT SWITCH		TV/AV
S2	HU-008020007	TACT SWITCH		PROGRAM +
S3	HU-008020007	TACT SWITCH		MENU/OK
S4	HU-008020007	TACT SWITCH		PROGRAM -
S5	HU-008020007	TACT SWITCH		VOL -
S6	HU-008020007	TACT SWITCH		POWER ON/OFF
S7	HU-008020007	TACT SWITCH		VOL +

LED P.W. BOARD ASS'Y (HU-72200017)

△Ref No.	Part No.	Part Name	Description	Local
R2	HU-002000000	MG RESISTOR		0Ω
LED1	HU-0141300007	LED		POWER
RV5	HU-002110004	VARISTOR	100pF	5.6V

PACKING



PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	-----	CARTON BOX(TOP)	Not supply	
2	-----	CUSHION	Not supply(x4)	
3	HU-0320200064	REMOTE CONTROL UNIT	RM-C2503	
4	-----	BATTERY	AAA/R03(x2)	
△ 5	HU-2000000140	INST BOOK	English/French/German/Italian/Polish	
13	-----	WARRANTY CARD	HU-2030000021	
15	-----	CARTON BOX(BOTTOM)	Not supply	
18	HU-2000700106	CAUTION SHEET		
21	-----	POLY BAG	Not supply	
△ 27	HU-0130000030	POWER CORD		