

JVC

SERVICE MANUAL

INTEGRATED DIGITAL TERRESTRIAL/SATELLITE LCD TELEVISION

LT-26DB1BU/AX



DVB[®]
Digital Video
Broadcasting
HD
ready
HDMI[™]
HIGH-DEFINITION MULTIMEDIA INTERFACE

TABLE OF CONTENTS

1	PRECAUTION.....	1-3
2	SPECIFIC SERVICE INSTRUCTIONS.....	1-6
3	DISASSEMBLY.....	1-8
4	ADJUSTMENT.....	1-13
5	TROUBLESHOOTING.....	1-14

Items		Contents
Dimensions (W × H × D)		66.0 cm × 48.25 cm × 20.0 cm [66.0 cm × 44.0 cm × 9.0 cm (Without stand)]
Mass		9.5 kg [8.0 kg (Without stand)]
Power Input		AC220V - AC240 V, 50 Hz
Power Consumption		95 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 / 220MHz - 469MHz
	Digital	Terrestrial: 7 MHz ~ 858 MHz(UHF), 77.5MHz ~ 6.5MHz (VHF) Satellite: 950 MHz - 2150 MHz
Intermediate Frequency	VIF	38.9MHz (B/G, I, D/K, L)
	SIF	33.4MHz (5.5MHz:B/G) 32.9MHz (6.0MHz:I) 32.4MHz (6.5MHz:D/K)
Colour Sub Carrier Frequency	PAL	4.43MHz
	SECAM	4.40625MHz / 4.25MHz
	NTSC	3.58MHz / 4.43MHz
Teletext System	Analog	FLOF (Fastext), TOP
	Digital	EBU TEXT
LCD panel		26-inch wide aspect (16 : 9)
Screen Size		Diagonal : 66.3 cm (H: 57.8 cm × V: 32.6 cm)
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots
Audio Power Output		5 W + 5 W
Speaker		3.5 cm × 11.5 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.), 75Ω / Pb/Pr: ±0.35V(p-p), 75 Ω Y: 1 V (p-p), Positive (Negative sync.), 75 Ω / Cb/Cr: 0.7V(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

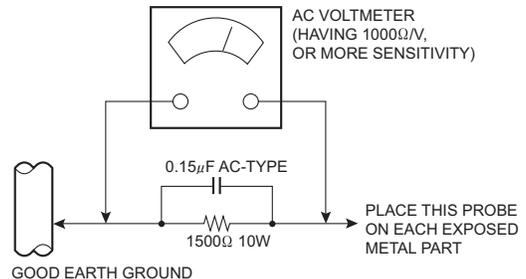
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known 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.).

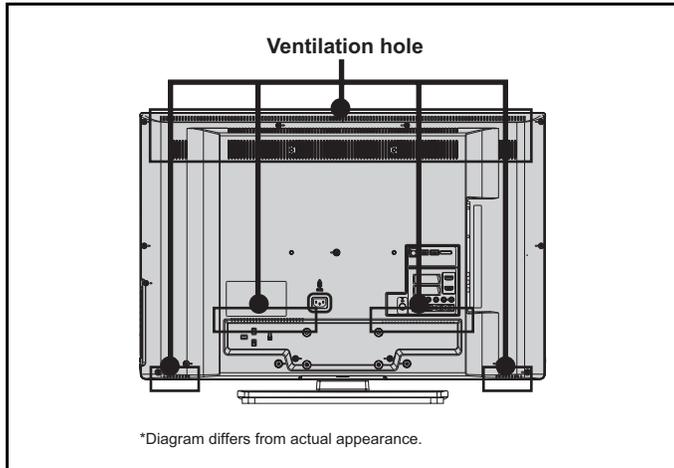
However, in tropical area, this must not exceed 0.35V AC (r.m.s.). This corresponds to 0.3mA AC (r.m.s.).



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.

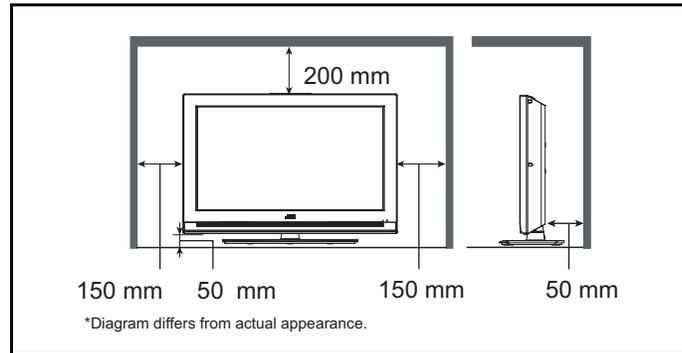


1.2.2 NOTES ON HANDLING

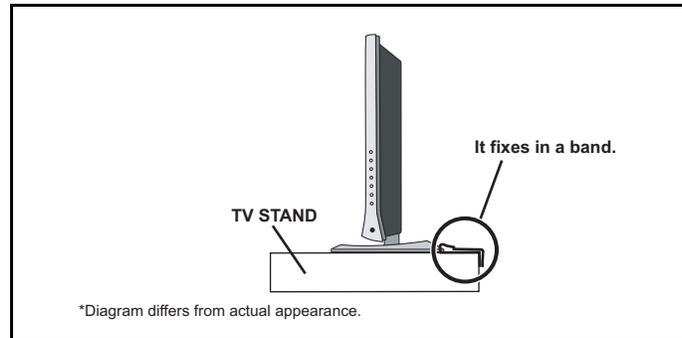
When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

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.

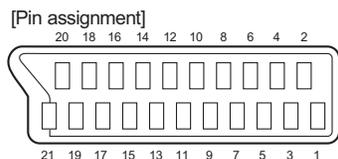
3D CINEMA SURROUND

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)	626.0 mm × 373.0mm × 45.0 mm
Weight	3.75 kg
Effective screen size	Diagonal : 66.3 cm (H: 57.8 cm × V: 32.6 cm)
Aspect ratio	16 : 9
Drive device / system	a-Si-TFT active matrix system
Resolution	Horizontally 1366 × Vertically 768 × RGB < W-XGA > 3147264 dots in total
Pixel pitch (pixel size)	Horizontally: 0.4215 mm, Vertically: 0.4215 mm
Displayed color	16777216 colors 256 colors for R G and B
Brightness	450 cd/m ²
Contrast ratio	3000 : 1
Response time (G to G)	less than 6.5 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 7 screws [A] and 2 screws [B].
- (2) Remove the REAR COVER.

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

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

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

- Remove the REAR COVER.
 - (1) Remove the 2 screws [D], 1 screw [E] and 1 screw [F].
 - (2) Remove the SIDE SHIELD.
 - (3) Remove the 7 screws [G].
 - (4) Remove the MAIN PWB.

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

- Remove the REAR COVER.
 - (1) Remove the 2 screws [H].
 - (2) Remove the CONTROL BASE and KEY PWB together.
 - (3) Remove the 2 screws [J].
 - (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 [K].
 - (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 [L].
 - (2) Remove the POWER BRACKET.

3.2.7 REMOVING THE SPEAKER (Fig.3-1)

- Remove the REAR COVER.
 - (1) Remove the 4 screws [M].
 - (2) Remove the SPEAKER(L/R).

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

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

3.2.9 REMOVING THE STAND (Fig.3-1)

- Remove the 2 screws [B] if the REAR COVER is not removed.
 - (1) Remove the 2 screws [P].
 - (2) Remove the STAND.

3.2.10 REMOVING THE BLUE LED MODULE (Fig.3-1)

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

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

- Remove the REAR COVER.
- Remove the STAND.
- Remove the MAIN SHIELD.
 - (1) Remove the 2 screws [T].
 - (2) Remove the PANEL BRACKET(L/R).
 - (3) Remove the LCD PANEL UNIT.

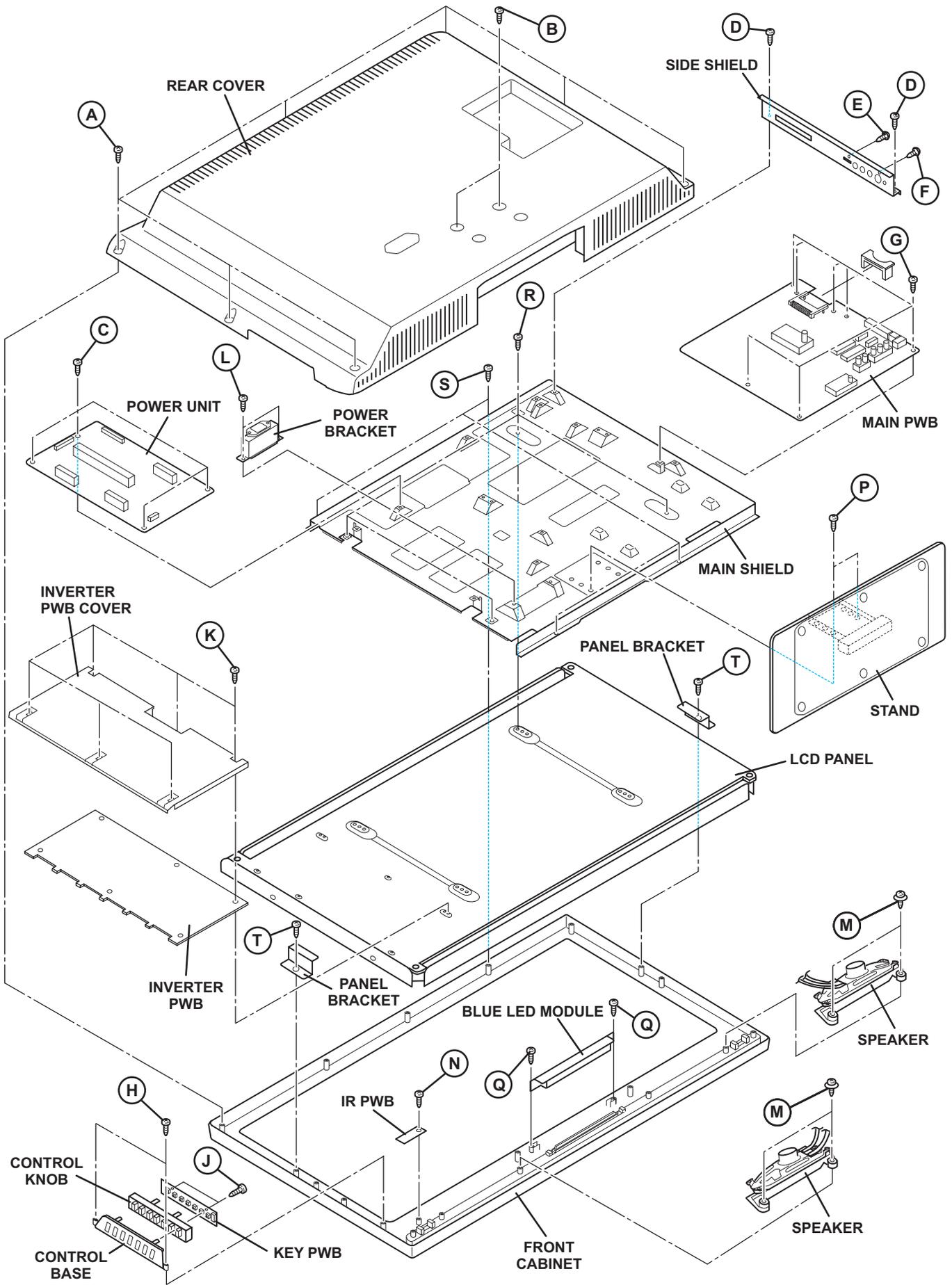


Fig.3-1

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

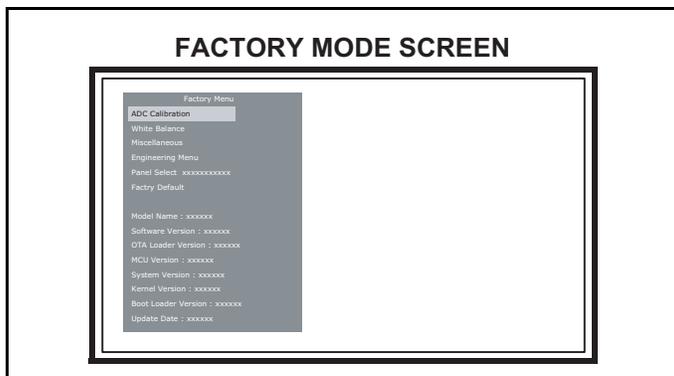
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

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

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

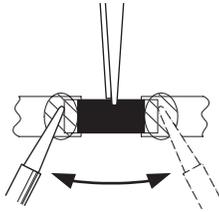
- (1) Use a high insulation soldering iron with a thin pointed end of it.
- (2) A 30w soldering iron is recommended for easily removing parts.

3.4.3 REPLACEMENT STEPS

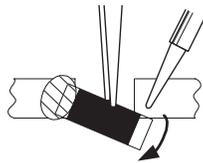
1. How to remove Chip parts

[Resistors, capacitors, etc.]

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

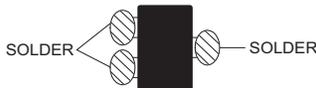


- (2) Shift with the tweezers and remove the chip part.

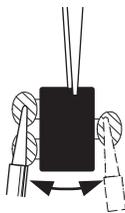


[Transistors, diodes, variable resistors, etc.]

- (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.



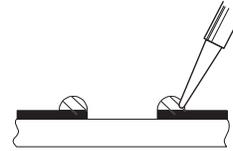
NOTE :

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

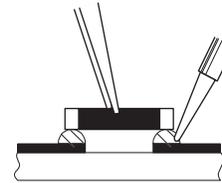
2. How to install Chip parts

[Resistors, capacitors, etc.]

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

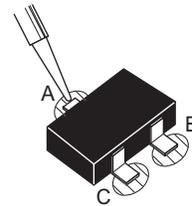


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

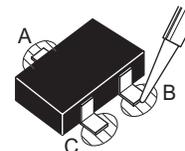


[Transistors, diodes, variable resistors, etc.]

- (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

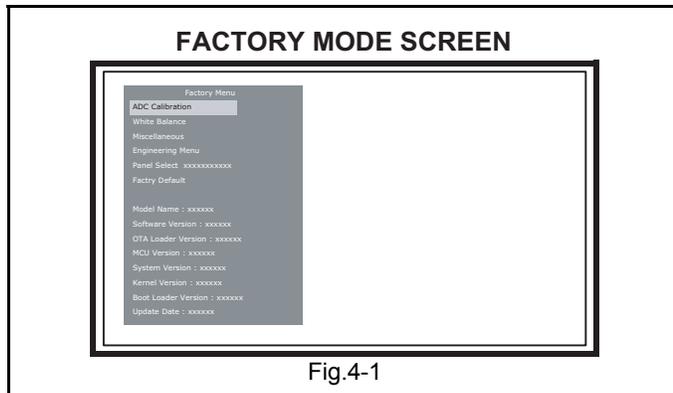
4.5 BASIC OPERATION OF FACTORY MODE

4.5.1 HOW TO ENTER THE FACTORY MODE

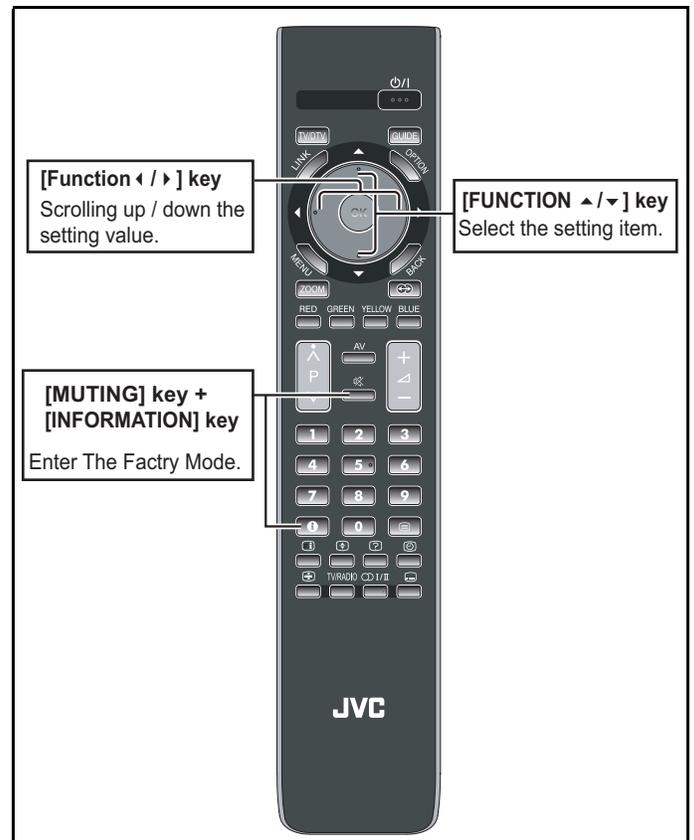
- (1) Press **[INFORMATION]** key and **[MUTING]** key on the remote control unit simultaneously to enter the FACTORY MODE SCREEN. (Fig.4-1)

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



4.6 SETTING ITEM IN THE FACTORY MODE

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.

4.7 ADJUSTMENT PROCEDURE

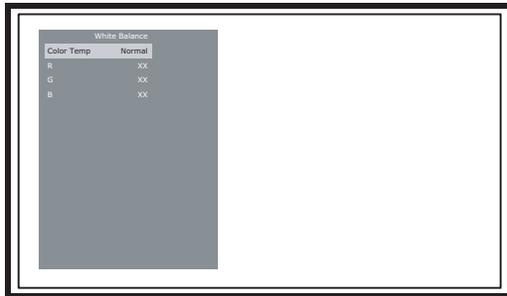
4.7.1 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE	Remote control unit		[White Balance] Normal R Normal G Normal B	(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. NOTE: When the normal mode is adjusted, other modes (cool/ warm) are automatically adjusted.
	Signal generator			

FACTORY MODE SCREEN



WHITE BALANCE MODE



SECTION 5 TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC

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

(No.YA698<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

USING P.W. BOARD & REMOTE CONTROL UNIT	3-2
EXPLODED VIEW PARTS LIST	3-2
EXPLODED VIEW	3-3
PRINTED WIRING BOARD PARTS LIST	3-4
MAIN P.W. BOARD ASS'Y (HU-71100005)	3-4
IR P.W. BOARD ASS'Y (HU-72200001)	3-11
KEY P.W. BOARD ASS'Y (HU-72200002)	3-11
PACKING	3-12
PACKING PARTS LIST	3-12

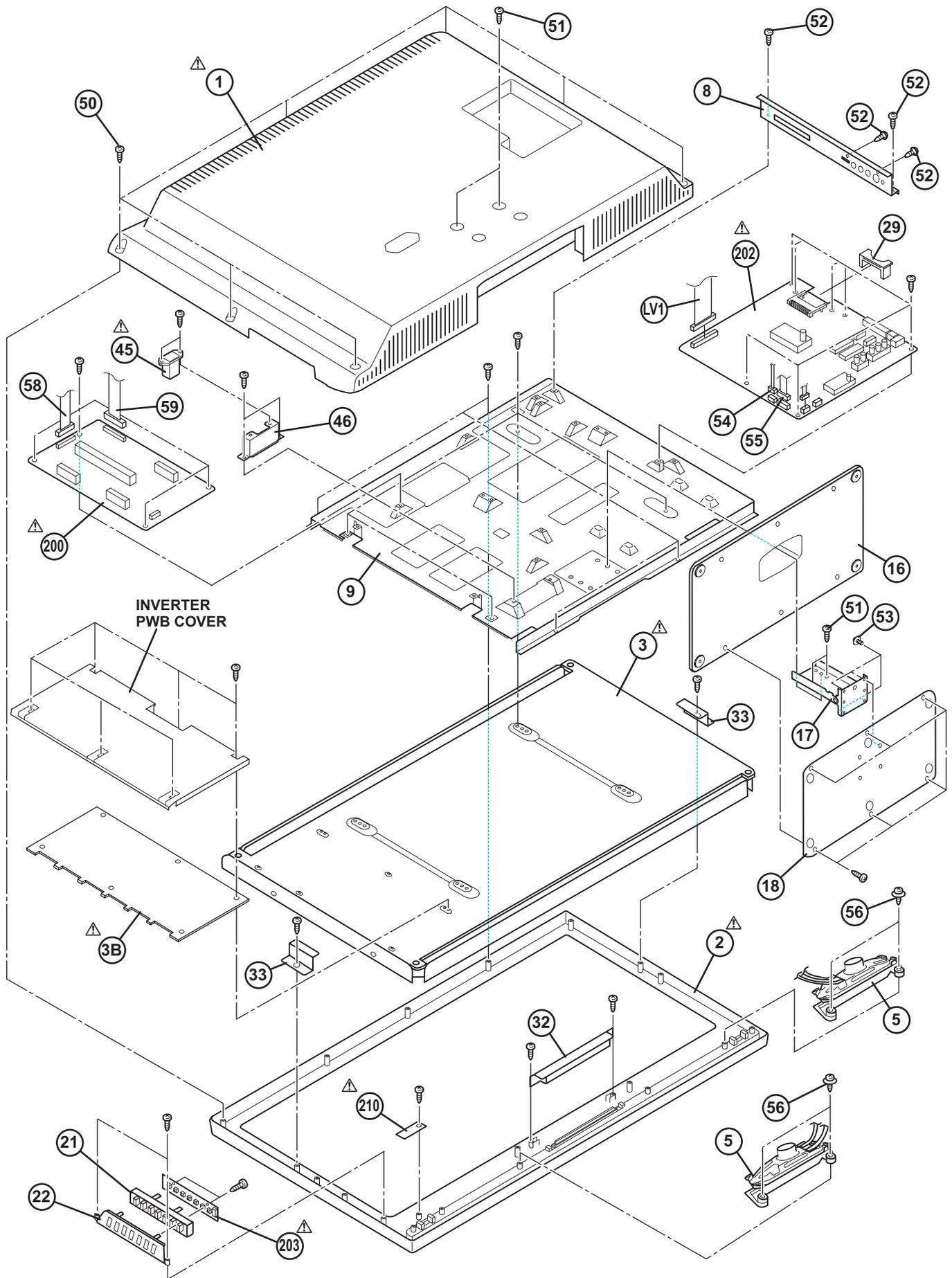
USING P.W. BOARD & REMOTE CONTROL UNIT

P.W.B ASS'Y name	P.W.B ASS'Y No.
	LT-26DB1BU/AX
MAIN P.W.B	HU-71100005
IR P.W.B	HU-72200001
KEY P.W.B	HU-72200002
REMOTE CONTROL UNIT	HU-0320200064

EXPLODED VIEW PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
	LV1	HU-0130100061	DIGITAL(LVDS) CABLE	MAIN-LCD PANEL UNIT
△ 1	HU-014213232	REAR COVER		
△ 2	HU-014213210PN	FRONT CABINET		
△ 3	QLD0611-001-HUP	LCD PANEL UNIT	HU-0141300045/Inc.3B	
△ 3B	AU-19.26T02.006	INVERTER PWB		
5	HU-0321700007	SPEAKER	8Ω 5W 2pcs 1set/ Inc.SPEAKER WIRE	
8	HU-3010310003CO	SIDE SHIELD		
9	HU-3010119002CO	MAIN SHIELD		
16	HU-3022116001PN	STAND BASE		
17	HU-014213252	HINGE ASSY		
18	HU-014213240CO	BASE BRACKET		
21	HU-3025220001PN	CONTROL KNOB		
22	HU-3029406001PN	GUIDE KNOB		
29	HU-3029305001CO	CI GUIDE		
32	HU-0210000001	BLUE LED MODULE		
33	HU-3011305001CO	PANEL BRACKET	(x2)	
△ 45	HU-0120000001	AC INLET		
46	HU-3011503001CO	POWER BRACKET		
50	HU-M1305300817	SCREW	M3x8(x7)	
51	HU-M1010400817	SCREW	M4x8(x4)	
52	HU-M1118300615	SCREW	M3x6(x4)	
53	HU-M1100400617	SCREW	M4x6(x4)	
54	HU-0130100007	E-HARNESS ASSY	MAIN-KEY	
55	HU-0130100009	E-HARNESS ASSY	MAIN-IR	
56	HU-M1308420815	SCREW	M4x8(x4)	
58	HU-0130100065	E-HARNESS ASSY	POWER UNIT-INVERTER	
59	HU-0130100063	E-HARNESS ASSY	MAIN-POWER UNIT	
△ 200	HU-0140300035	POWER UNIT		
△ 202	HU-71100005	MAIN PWB	Not writing program data	
△ 203	HU-72200002	KEY PWB		
△ 210	HU-72200001	IR PWB		

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST

MAIN P.W. BOARD ASS'Y (HU-71100005)

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
				D521	HU-003041002	SI DIODE	
				D522	HU-003041002	SI DIODE	
				D523	HU-003041002	SI DIODE	
				D524	HU-003040008	SI DIODE	
				D651	HU-003100001	DIODE	
				D1081	HU-003060190	DIODE	
				D1083	HU-0030000002	DIODE	
				D1084	HU-003060190	DIODE	
				D1085	HU-0330000002	DIODE	
				Z741	HU-003010053	Z DIODE	
				Z742	HU-003010053	Z DIODE	
				C1	HU-001071194	E CAPACITOR	100uF 25V
				C2	HU-001060318	C CAPACITOR	0.1uF 50V
				C3	HU-001071228	E CAPACITOR	470uF 16V
				C4	HU-001060318	C CAPACITOR	0.1uF 50V
				C6	HU-001071194	E CAPACITOR	100uF 25V
				C7	HU-001060318	C CAPACITOR	0.1uF 50V
				C8	HU-001060250	C CAPACITOR	0.1uF 16V K
				C21	HU-001060309	C CAPACITOR	10uF 16V K
				C22	HU-001060297	C CAPACITOR	0.01pF 50V K
				C23	HU-001060309	C CAPACITOR	10uF 16V K
				C24	HU-001060286	C CAPACITOR	10uF 10V
				C25	HU-001060250	C CAPACITOR	0.1uF 16V K
				C26	HU-001071194	E CAPACITOR	100uF 25V
				C27	HU-001060274	C CAPACITOR	3300pF 50V
				C29	HU-001060250	C CAPACITOR	0.1uF 16V K
				C31	HU-001060309	C CAPACITOR	10uF 16V K
				C33	HU-001060346	C CAPACITOR	1uF 16V K
				C34	HU-001060250	C CAPACITOR	0.1uF 16V K
				C41	HU-001060286	C CAPACITOR	10uF 10V
				C42	HU-001060286	C CAPACITOR	10uF 10V
				C43	HU-001060297	C CAPACITOR	0.01pF 50V K
				C44	HU-001060312	C CAPACITOR	22uF 6.3V M
				C45	HU-001060250	C CAPACITOR	0.1uF 16V K
				C46	HU-001060250	C CAPACITOR	0.1uF 16V K
				C47	HU-001071223	E CAPACITOR	100uF 16V
				C48	HU-001060250	C CAPACITOR	0.1uF 16V K
				C49	HU-001060250	C CAPACITOR	0.1uF 16V K
				C51	HU-001071223	E CAPACITOR	100uF 16V
				C52	HU-001060309	C CAPACITOR	10uF 16V K
				C53	HU-001060250	C CAPACITOR	0.1uF 16V K
				C54	HU-001060286	C CAPACITOR	10uF 10V
				C55	HU-001060250	C CAPACITOR	0.1uF 16V K
				C56	HU-001060250	C CAPACITOR	0.1uF 16V K
				C57	HU-001071194	E CAPACITOR	100uF 25V
				C59	HU-001060346	C CAPACITOR	1uF 16V K
				C60	HU-001060250	C CAPACITOR	0.1uF 16V K
				C61	HU-001060312	C CAPACITOR	22uF 6.3V M
				C62	HU-001071194	E CAPACITOR	100uF 25V
				C63	HU-001060309	C CAPACITOR	10uF 16V K
				C64	HU-001060250	C CAPACITOR	0.1uF 16V K
				C66	HU-001060297	C CAPACITOR	0.01pF 50V K
				C67	HU-001060286	C CAPACITOR	10uF 10V
				C68	HU-001060250	C CAPACITOR	0.1uF 16V K
				C69	HU-001060250	C CAPACITOR	0.1uF 16V K
				C81	HU-001060250	C CAPACITOR	0.1uF 16V K
				C82	HU-001060250	C CAPACITOR	0.1uF 16V K
				C83	HU-001060309	C CAPACITOR	10uF 16V K
				C84	HU-001060250	C CAPACITOR	0.1uF 16V K
				C85	HU-001060250	C CAPACITOR	0.1uF 16V K
				C86	HU-001060250	C CAPACITOR	0.1uF 16V K
				C88	HU-001063073	C CAPACITOR	20pF 50V J
				C89	HU-001063073	C CAPACITOR	20pF 50V J
				C90	HU-001060250	C CAPACITOR	0.1uF 16V K
				C91	HU-001060250	C CAPACITOR	0.1uF 16V K
				C113	HU-001060256	C CAPACITOR	270pF 50V J
				C114	HU-001060256	C CAPACITOR	270pF 50V J
				C115	HU-001063073	C CAPACITOR	20pF 50V J
				C116	HU-001060250	C CAPACITOR	0.1uF 16V K
				C117	HU-001060250	C CAPACITOR	0.1uF 16V K
				C118	HU-001071227	E CAPACITOR	47uF 16V
				C119	HU-001060346	C CAPACITOR	1uF 16V K
				C120	HU-001060250	C CAPACITOR	0.1uF 16V K
				C121	HU-001060250	C CAPACITOR	0.1uF 16V K
				C122	HU-001060250	C CAPACITOR	0.1uF 16V K
				C123	HU-001060250	C CAPACITOR	0.1uF 16V K
				C124	HU-001060286	C CAPACITOR	10uF 10V
				C125	HU-001063055	C CAPACITOR	5pF 50V
				C126	HU-001063055	C CAPACITOR	5pF 50V
				C127	HU-001060309	C CAPACITOR	10uF 16V K
				C128	HU-001060250	C CAPACITOR	0.1uF 16V K
				C129	HU-001071194	E CAPACITOR	100uF 25V
				C161	HU-001060286	C CAPACITOR	10uF 10V
				C162	HU-001060250	C CAPACITOR	0.1uF 16V K
				C165	HU-001060297	C CAPACITOR	0.01pF 50V K
U21	HU-000140583	IC	DC-DC CONV				
U22	HU-000091030	IC	LDO REGULATOR				
U23	HU-000140581	IC	DC-DC CONV				
U24	HU-0000900001	IC	REGULATOR				
U25	HU-000090009	IC	REGULATOR				
U81	HU-000090055	IC	VOLTAGE DETECTOR				
U82	HU-000010610	IC	MICOM				
U104	HU-0003400001	IC	USB				
U112	HU-0004300002	IC	SCALER&MPG2				
U113	-----	IC	Not supply				
U181	-----	IC	Not supply				
U182	HU-000120590	IC	CMOS				
U183	SN74LVC244APW-X	IC	CMOS				
U184	HU-000120210	IC	BICMOS				
U185	SN74LVC244APW-X	IC	CMOS				
U186	SN74LVC244APW-X	IC	CMOS				
U187	SN74LVC244APW-X	IC	CMOS				
U188	SN74LVC244APW-X	IC	CMOS				
U321	HU-0000400008	IC	DDR2				
U322	HU-0000400008	IC	DDR2				
U381	HU-000380010	IC	VIDEO SWITCH				
U382	HU-000550010	IC	VIDEO FILTER				
U383	HU-000380010	IC	VIDEO SWITCH				
U522	-----	IC	Not supply				
U523	HU-000120630	IC	CMOS				
U551	HU-0002300003	IC	HDMI SWITCH				
U552	HU-000091100	IC	REGULATOR				
U661	HU-000300001	IC	DUAL COMPARATOR				
U662	HU-000060007	IC	OP AMP				
U663	HU-000060007	IC	OP AMP				
U761	HU-000100001	IC	AUDIO AMP				
U763	HU-000091100	IC	REGULATOR				
U764	HU-000060510	IC	HEADPHONE AMP				
U831	HU-000170030	IC	RS232 DRIVER				
U851	SN74LVC244APW-X	IC	CMOS				
U852	SN74LVC244APW-X	IC	CMOS				
U853	SN74LVC244APW-X	IC	CMOS				
U881	HU-000090090	IC	REGULATOR				
U882	HU-000091100	IC	REGULATOR				
U883	HU-000091100	IC	REGULATOR				
U884	HU-0000900004	IC	REGULATOR				
U885	HU-000091100	IC	REGULATOR				
U921	HU-0140400027	TUNER					
U922	HU-0009000001	IC	POWER SW				
U961	HU-000270090	IC	DEMODULATOR				
U1021	HU-0140400029	TUNER					
U1022	HU-000091120	IC	REG				
U1051	HU-000270080	IC	QPSK				
U1081	HU-0001800001	IC	LNB				
U1201	HU-000091100	IC	REGULATOR				
Q1	HU-004000410	TRANSISTOR					
Q2	HU-004000390	TRANSISTOR					
Q3	HU-004000390	TRANSISTOR					
Q81	HU-004000260	FET					
Q82	HU-004000260	FET					
Q83	HU-004000410	TRANSISTOR					
Q111	HU-004000410	TRANSISTOR					
Q221	HU-004020030	MOS FET					
Q222	HU-004000410	TRANSISTOR					
Q452	HU-004000410	TRANSISTOR					
Q453	HU-004020030	MOS FET					
Q454	HU-004000410	TRANSISTOR					
Q456	HU-004000410	TRANSISTOR					
Q457	HU-004020030	MOS FET					
Q521	HU-004000410	TRANSISTOR					
Q652	HU-0040200002	FET					
Q653	HU-004000410	TRANSISTOR					
Q661	HU-004000410	TRANSISTOR					
Q662	HU-004000410	TRANSISTOR					
Q663	HU-004000390	TRANSISTOR					
Q664	HU-004000017	TRANSISTOR					
Q665	HU-004000017	TRANSISTOR					
Q704	HU-004000017	TRANSISTOR					
Q705	HU-004000017	TRANSISTOR					
Q706	HU-004000017	TRANSISTOR					
Q707	HU-004000017	TRANSISTOR					
Q831	HU-004000260	FET					
Q832	HU-004000260	FET					
Q851	HU-004000410	TRANSISTOR					
Q924	HU-004000260	FET					
Q925	HU-004000260	FET					
Q1100	HU-004000410	TRANSISTOR					

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C446	HU-001060250	C CAPACITOR	0.1uF 16V K	C623	HU-001060309	C CAPACITOR	10uF 16V K
C447	HU-001060286	C CAPACITOR	10uF 10V	C624	HU-001060250	C CAPACITOR	0.1uF 16V K
C449	HU-001060250	C CAPACITOR	0.1uF 16V K	C651	HU-001060309	C CAPACITOR	10uF 16V K
C450	HU-001060250	C CAPACITOR	0.1uF 16V K	C653	HU-001060250	C CAPACITOR	0.1uF 16V K
C451	HU-001060286	C CAPACITOR	10uF 10V	C664	HU-001060219	C CAPACITOR	1000pF 50V K
C452	HU-001060250	C CAPACITOR	0.1uF 16V K	C665	HU-001060219	C CAPACITOR	1000pF 50V K
C453	HU-001060250	C CAPACITOR	0.1uF 16V K	C666	HU-001071210	E CAPACITOR	47uF 25V
C454	HU-001060286	C CAPACITOR	10uF 10V	C667	HU-001071190	E CAPACITOR	10uF 16V
C455	HU-001060236	C CAPACITOR	10uF 25V	C668	HU-001060318	C CAPACITOR	0.1uF 50V
C456	HU-001060318	C CAPACITOR	0.1uF 50V	C669	HU-001060236	C CAPACITOR	10uF 25V
C457	HU-001060222	C CAPACITOR	4.7uF 16V	C670	HU-001063035	C CAPACITOR	10pF 50V C
C458	HU-001060318	C CAPACITOR	0.1uF 50V	C671	HU-001071190	E CAPACITOR	10uF 16V
C459	HU-001060236	C CAPACITOR	10uF 25V	C672	HU-001060219	C CAPACITOR	1000pF 50V K
C460	HU-001060222	C CAPACITOR	4.7uF 16V	C673	HU-001071190	E CAPACITOR	10uF 16V
C461	HU-001060236	C CAPACITOR	10uF 25V	C674	HU-001060219	C CAPACITOR	1000pF 50V K
C462	HU-001060318	C CAPACITOR	0.1uF 50V	C675	HU-001071190	E CAPACITOR	10uF 16V
C463	HU-001060318	C CAPACITOR	0.1uF 50V	C676	HU-001063035	C CAPACITOR	10pF 50V C
C464	HU-001060236	C CAPACITOR	10uF 25V	C677	HU-001060250	C CAPACITOR	0.1uF 16V K
C481	HU-001060312	C CAPACITOR	22uF 6.3V M	C678	HU-001060318	C CAPACITOR	0.1uF 50V
C482	HU-001060346	C CAPACITOR	1uF 16V K	C704	HU-001060219	C CAPACITOR	1000pF 50V K
C483	HU-001060346	C CAPACITOR	1uF 16V K	C705	HU-001060219	C CAPACITOR	1000pF 50V K
C484	HU-001060346	C CAPACITOR	1uF 16V K	C706	HU-001071190	E CAPACITOR	10uF 16V
C485	HU-001060346	C CAPACITOR	1uF 16V K	C707	HU-001060318	C CAPACITOR	0.1uF 50V
C486	HU-001060250	C CAPACITOR	0.1uF 16V K	C708	HU-001060236	C CAPACITOR	10uF 25V
C487	HU-001060250	C CAPACITOR	0.1uF 16V K	C709	HU-001060219	C CAPACITOR	1000pF 50V K
C488	HU-001060250	C CAPACITOR	0.1uF 16V K	C710	HU-001063035	C CAPACITOR	10pF 50V C
C489	HU-001060250	C CAPACITOR	0.1uF 16V K	C711	HU-001071190	E CAPACITOR	10uF 16V
C490	HU-001060250	C CAPACITOR	0.1uF 16V K	C712	HU-001071190	E CAPACITOR	10uF 16V
C491	HU-001060250	C CAPACITOR	0.1uF 16V K	C713	HU-001060219	C CAPACITOR	1000pF 50V K
C492	HU-001060250	C CAPACITOR	0.1uF 16V K	C714	HU-001071190	E CAPACITOR	10uF 16V
C493	HU-001060250	C CAPACITOR	0.1uF 16V K	C715	HU-001063035	C CAPACITOR	10pF 50V C
C494	HU-001060250	C CAPACITOR	0.1uF 16V K	C716	HU-001060318	C CAPACITOR	0.1uF 50V
C495	HU-001060312	C CAPACITOR	22uF 6.3V M	C741	HU-001060219	C CAPACITOR	1000pF 50V K
C496	HU-001060346	C CAPACITOR	1uF 16V K	C742	HU-001060219	C CAPACITOR	1000pF 50V K
C497	HU-001060346	C CAPACITOR	1uF 16V K	C761	HU-001060318	C CAPACITOR	0.1uF 50V
C498	HU-001060346	C CAPACITOR	1uF 16V K	C762	HU-001060270	C CAPACITOR	1uF 50V
C499	HU-001060346	C CAPACITOR	1uF 16V K	C763	HU-001060297	C CAPACITOR	0.01pF 50V K
C500	HU-001060250	C CAPACITOR	0.1uF 16V K	C764	HU-001071250	E CAPACITOR	470uF 25V
C501	HU-001060250	C CAPACITOR	0.1uF 16V K	C765	HU-001060318	C CAPACITOR	0.1uF 50V
C502	HU-001060250	C CAPACITOR	0.1uF 16V K	C766	HU-001060194	C CAPACITOR	0.022uF 50V
C503	HU-001060250	C CAPACITOR	0.1uF 16V K	C767	HU-001060288	C CAPACITOR	1uF 25V
C504	HU-001060250	C CAPACITOR	0.1uF 16V K	C768	HU-001060185	C CAPACITOR	390pF 50V J
C505	HU-001060250	C CAPACITOR	0.1uF 16V K	C769	HU-001060297	C CAPACITOR	0.01pF 50V K
C506	HU-001060250	C CAPACITOR	0.1uF 16V K	C770	HU-001060317	C CAPACITOR	470nF 50V
C507	HU-001060250	C CAPACITOR	0.1uF 16V K	C771	HU-001060185	C CAPACITOR	390pF 50V J
C508	HU-001060250	C CAPACITOR	0.1uF 16V K	C772	HU-001060286	C CAPACITOR	10uF 10V
C525	HU-001060250	C CAPACITOR	0.1uF 16V K	C773	HU-001060194	C CAPACITOR	0.022uF 50V
C527	HU-001060286	C CAPACITOR	10uF 10V	C774	HU-001060318	C CAPACITOR	0.1uF 50V
C528	HU-001060250	C CAPACITOR	0.1uF 16V K	C775	HU-001060297	C CAPACITOR	0.01pF 50V K
C529	HU-001060250	C CAPACITOR	0.1uF 16V K	C776	HU-001060288	C CAPACITOR	1uF 25V
C530	HU-001060250	C CAPACITOR	0.1uF 16V K	C777	HU-001060288	C CAPACITOR	1uF 25V
C551	HU-001060286	C CAPACITOR	10uF 10V	C778	HU-001060250	C CAPACITOR	0.1uF 16V K
C552	HU-001060250	C CAPACITOR	0.1uF 16V K	C779	HU-001060194	C CAPACITOR	0.022uF 50V
C553	HU-001060250	C CAPACITOR	0.1uF 16V K	C780	HU-001060219	C CAPACITOR	1000pF 50V K
C554	HU-001060250	C CAPACITOR	0.1uF 16V K	C781	HU-001060318	C CAPACITOR	0.1uF 50V
C555	HU-001060297	C CAPACITOR	0.01pF 50V K	C782	HU-001060297	C CAPACITOR	0.01pF 50V K
C556	HU-001060297	C CAPACITOR	0.01pF 50V K	C783	HU-001060185	C CAPACITOR	390pF 50V J
C557	HU-001060297	C CAPACITOR	0.01pF 50V K	C784	HU-001060317	C CAPACITOR	470nF 50V
C558	HU-001060286	C CAPACITOR	10uF 10V	C785	HU-001060250	C CAPACITOR	0.1uF 16V K
C559	HU-001060250	C CAPACITOR	0.1uF 16V K	C786	HU-001060270	C CAPACITOR	1uF 50V
C560	HU-001060250	C CAPACITOR	0.1uF 16V K	C787	HU-001060318	C CAPACITOR	0.1uF 50V
C561	HU-001060250	C CAPACITOR	0.1uF 16V K	C788	HU-001071250	E CAPACITOR	470uF 25V
C562	HU-001060297	C CAPACITOR	0.01pF 50V K	C789	HU-001060185	C CAPACITOR	390pF 50V J
C563	HU-001060297	C CAPACITOR	0.01pF 50V K	C790	HU-001060286	C CAPACITOR	10uF 10V
C564	HU-001060250	C CAPACITOR	0.1uF 16V K	C791	HU-001060249	C CAPACITOR	100pF 50V J
C565	HU-001060250	C CAPACITOR	0.1uF 16V K	C792	HU-001060250	C CAPACITOR	0.1uF 16V K
C569	HU-001060250	C CAPACITOR	0.1uF 16V K	C793	HU-001060219	C CAPACITOR	1000pF 50V K
C570	HU-001060250	C CAPACITOR	0.1uF 16V K	C794	HU-001060318	C CAPACITOR	0.1uF 50V
C571	HU-001060250	C CAPACITOR	0.1uF 16V K	C795	HU-001060297	C CAPACITOR	0.01pF 50V K
C572	HU-001060250	C CAPACITOR	0.1uF 16V K	C796	HU-001060286	C CAPACITOR	10uF 10V
C573	HU-001060286	C CAPACITOR	10uF 10V	C797	HU-001060250	C CAPACITOR	0.1uF 16V K
C574	HU-001060286	C CAPACITOR	10uF 10V	C798	HU-001060286	C CAPACITOR	10uF 10V
C575	HU-001060250	C CAPACITOR	0.1uF 16V K	C799	HU-001060250	C CAPACITOR	0.1uF 16V K
C576	HU-001060250	C CAPACITOR	0.1uF 16V K	C800	HU-001060288	C CAPACITOR	1uF 25V
C577	HU-001060250	C CAPACITOR	0.1uF 16V K	C801	HU-001060194	C CAPACITOR	0.022uF 50V
C578	HU-001060250	C CAPACITOR	0.1uF 16V K	C802	HU-001060250	C CAPACITOR	0.1uF 16V K
C579	HU-001060250	C CAPACITOR	0.1uF 16V K	C803	HU-001060286	C CAPACITOR	10uF 10V
C580	HU-001060286	C CAPACITOR	10uF 10V	C806	HU-001060219	C CAPACITOR	1000pF 50V K
C582	HU-001060250	C CAPACITOR	0.1uF 16V K	C807	HU-001060288	C CAPACITOR	1uF 25V
C583	HU-001060250	C CAPACITOR	0.1uF 16V K	C809	HU-001060230	C CAPACITOR	0.022uF 16V K
C584	HU-001060250	C CAPACITOR	0.1uF 16V K	C810	HU-001071227	E CAPACITOR	47uF 16V
C585	HU-001060250	C CAPACITOR	0.1uF 16V K	C812	HU-001060288	C CAPACITOR	1uF 25V
C586	HU-001060286	C CAPACITOR	10uF 10V	C813	HU-001071227	E CAPACITOR	47uF 16V
C587	HU-001060286	C CAPACITOR	10uF 10V	C814	HU-001060230	C CAPACITOR	0.022uF 16V K
C588	HU-001060286	C CAPACITOR	10uF 10V	C815	HU-001060288	C CAPACITOR	1uF 25V
C589	HU-001060250	C CAPACITOR	0.1uF 16V K	C817	HU-001060286	C CAPACITOR	10uF 10V
C590	HU-001060250	C CAPACITOR	0.1uF 16V K	C818	HU-001060288	C CAPACITOR	1uF 25V
C621	HU-001060309	C CAPACITOR	10uF 16V K	C831	HU-001060318	C CAPACITOR	0.1uF 50V
C622	HU-001060250	C CAPACITOR	0.1uF 16V K	C832	HU-001060318	C CAPACITOR	0.1uF 50V

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
C833	HU-001060309	C CAPACITOR	10uF 16V K	C1102	HU-001060286	C CAPACITOR	10uF 10V
C834	HU-001060318	C CAPACITOR	0.1uF 50V	C1200	HU-001060309	C CAPACITOR	10uF 16V K
C835	HU-001060318	C CAPACITOR	0.1uF 50V	C1201	HU-001060250	C CAPACITOR	0.1uF 16V K
C851	HU-001060250	C CAPACITOR	0.1uF 16V K	C1202	HU-001060286	C CAPACITOR	10uF 10V
C852	HU-001060250	C CAPACITOR	0.1uF 16V K	C1203	HU-001060250	C CAPACITOR	0.1uF 16V K
C853	HU-001060250	C CAPACITOR	0.1uF 16V K				
C881	HU-001060309	C CAPACITOR	10uF 16V K	R1	HU-002000417	MG RESISTOR	4.7kΩ
C882	HU-001060250	C CAPACITOR	0.1uF 16V K	R2	HU-002000405	MG RESISTOR	1kΩ
C884	HU-001060309	C CAPACITOR	10uF 16V K	R3	HU-002000437	MG RESISTOR	10kΩ
C885	HU-001060249	C CAPACITOR	100pF 50V J	R5	HU-002000448	MG RESISTOR	33Ω
C886	HU-001060309	C CAPACITOR	10uF 16V K	R6	HU-002000448	MG RESISTOR	33Ω
C888	HU-001060250	C CAPACITOR	0.1uF 16V K	R7	HU-002000448	MG RESISTOR	33Ω
C890	HU-001060250	C CAPACITOR	0.1uF 16V K	R8	HU-002000437	MG RESISTOR	10kΩ
C891	HU-001060286	C CAPACITOR	10uF 10V	R9	HU-002000470	MG RESISTOR	300Ω
C892	HU-001060250	C CAPACITOR	0.1uF 16V K	R12	HU-002000437	MG RESISTOR	10kΩ
C893	HU-001060312	C CAPACITOR	22uF 6.3V M	R14	HU-002000470	MG RESISTOR	300Ω
C894	HU-001060250	C CAPACITOR	0.1uF 16V K	R21	HU-002000436	MG RESISTOR	100kΩ
C895	HU-001060312	C CAPACITOR	22uF 6.3V M	R22	HU-002001064	MG RESISTOR	24kΩ
C896	HU-001060250	C CAPACITOR	0.1uF 16V K	R23	HU-002001173	MG RESISTOR	9.1kΩ
C897	HU-001060250	C CAPACITOR	0.1uF 16V K	R24	HU-002000529	MG RESISTOR	5.6kΩ
C898	HU-001060286	C CAPACITOR	10uF 10V	R29	HU-002000988	MG RESISTOR	100kΩ
C899	HU-001060250	C CAPACITOR	0.1uF 16V K	R30	HU-002000988	MG RESISTOR	100kΩ
C922	HU-001060250	C CAPACITOR	0.1uF 16V K	R31	HU-002001183	MG RESISTOR	300kΩ
C923	HU-001060219	C CAPACITOR	1000pF 50V K	R32	HU-002000023	MG RESISTOR	604kΩ
C925	HU-001060250	C CAPACITOR	0.1uF 16V K	R33	HU-002000437	MG RESISTOR	10kΩ
C926	HU-001060219	C CAPACITOR	1000pF 50V K	R34	HU-002001163	MG RESISTOR	75kΩ
C927	HU-001071224	E CAPACITOR	220uF 16V	R35	HU-002000465	MG RESISTOR	1kΩ
C929	HU-001060250	C CAPACITOR	0.1uF 16V K	R36	HU-002000604	MG RESISTOR	59kΩ
C930	HU-001060219	C CAPACITOR	1000pF 50V K	R37	HU-002000988	MG RESISTOR	100kΩ
C931	HU-001071224	E CAPACITOR	220uF 16V	R38	HU-002000465	MG RESISTOR	1kΩ
C932	HU-001063090	C CAPACITOR	3.3pF 50V	R39	HU-002000433	MG RESISTOR	0Ω
C934	HU-001060221	C CAPACITOR	22pF 50V J	R40	HU-002001039	MG RESISTOR	16.9kΩ
C939	HU-001071224	E CAPACITOR	220uF 16V	R41	HU-002000499	MG RESISTOR	10kΩ
C962	HU-001060250	C CAPACITOR	0.1uF 16V K	R42	HU-002000433	MG RESISTOR	0Ω
C963	HU-001060250	C CAPACITOR	0.1uF 16V K	R81	HU-002000437	MG RESISTOR	10kΩ
C964	HU-001060250	C CAPACITOR	0.1uF 16V K	R82	HU-002000527	MG RESISTOR	100Ω
C965	HU-001060258	C CAPACITOR	30pF 50V J	R84	HU-002000527	MG RESISTOR	100Ω
C966	HU-001060258	C CAPACITOR	30pF 50V J	R87	HU-002001050	MG RESISTOR	2.7kΩ
C967	HU-001060250	C CAPACITOR	0.1uF 16V K	R88	HU-002001050	MG RESISTOR	2.7kΩ
C968	HU-001060250	C CAPACITOR	0.1uF 16V K	R89	HU-002000448	MG RESISTOR	33Ω
C969	HU-001060250	C CAPACITOR	0.1uF 16V K	R90	HU-002000448	MG RESISTOR	33Ω
C970	HU-001060250	C CAPACITOR	0.1uF 16V K	R91	HU-002000527	MG RESISTOR	100Ω
C971	HU-001060250	C CAPACITOR	0.1uF 16V K	R92	HU-002000433	MG RESISTOR	0Ω
C972	HU-001060250	C CAPACITOR	0.1uF 16V K	R94	HU-002000527	MG RESISTOR	100Ω
C973	HU-001060250	C CAPACITOR	0.1uF 16V K	R95	HU-002000527	MG RESISTOR	100Ω
C974	HU-001060250	C CAPACITOR	0.1uF 16V K	R96	HU-002000433	MG RESISTOR	0Ω
C975	HU-001060250	C CAPACITOR	0.1uF 16V K	R97	HU-002000592	MG RESISTOR	1.6kΩ
C1021	HU-001063048	C CAPACITOR	15pF 50V J	R98	HU-002000592	MG RESISTOR	1.6kΩ
C1024	HU-001063048	C CAPACITOR	15pF 50V J	R99	HU-002000437	MG RESISTOR	10kΩ
C1025	HU-001063048	C CAPACITOR	15pF 50V J	R100	HU-002000437	MG RESISTOR	10kΩ
C1028	HU-001063048	C CAPACITOR	15pF 50V J	R101	HU-002000405	MG RESISTOR	1kΩ
C1029	HU-001060250	C CAPACITOR	0.1uF 16V K	R102	HU-002000437	MG RESISTOR	10kΩ
C1030	HU-001060312	C CAPACITOR	22uF 6.3V M	R103	HU-002000565	MG RESISTOR	18kΩ
C1031	HU-001060286	C CAPACITOR	10uF 10V	R104	HU-002000437	MG RESISTOR	10kΩ
C1032	HU-001060286	C CAPACITOR	10uF 10V	R107	HU-002000437	MG RESISTOR	10kΩ
C1034	HU-001071234	E CAPACITOR	220uF 16V	R112	HU-002000433	MG RESISTOR	0Ω
C1051	HU-001060296	C CAPACITOR	47nF 16V	R113	HU-002000407	MG RESISTOR	2.2kΩ
C1052	HU-001060296	C CAPACITOR	47nF 16V	R115	HU-002000407	MG RESISTOR	2.2kΩ
C1053	HU-001060297	C CAPACITOR	0.01pF 50V K	R116	HU-002000407	MG RESISTOR	2.2kΩ
C1056	HU-001060346	C CAPACITOR	1uF 16V K	R117	HU-002000407	MG RESISTOR	2.2kΩ
C1057	HU-001063048	C CAPACITOR	15pF 50V J	R118	HU-002000448	MG RESISTOR	33Ω
C1058	HU-001063048	C CAPACITOR	15pF 50V J	R119	HU-002000448	MG RESISTOR	33Ω
C1059	HU-001060296	C CAPACITOR	47nF 16V	R120	HU-002000448	MG RESISTOR	33Ω
C1060	HU-001060296	C CAPACITOR	47nF 16V	R121	HU-002000448	MG RESISTOR	33Ω
C1061	HU-001060296	C CAPACITOR	47nF 16V	R122	HU-002000433	MG RESISTOR	0Ω
C1062	HU-001060296	C CAPACITOR	47nF 16V	R123	HU-002000405	MG RESISTOR	1kΩ
C1063	HU-001060296	C CAPACITOR	47nF 16V	R125	HU-002000601	MG RESISTOR	20Ω
C1064	HU-001060296	C CAPACITOR	47nF 16V	R126	HU-002000405	MG RESISTOR	1kΩ
C1065	HU-001060250	C CAPACITOR	0.1uF 16V K	R127	HU-002000437	MG RESISTOR	10kΩ
C1066	HU-001060250	C CAPACITOR	0.1uF 16V K	R128	HU-002000557	MG RESISTOR	6.2kΩ
C1067	HU-001060250	C CAPACITOR	0.1uF 16V K	R129	HU-002000437	MG RESISTOR	10kΩ
C1068	HU-001060250	C CAPACITOR	0.1uF 16V K	R131	HU-002000437	MG RESISTOR	10kΩ
C1069	HU-001060250	C CAPACITOR	0.1uF 16V K	R132	HU-002000437	MG RESISTOR	10kΩ
C1070	HU-001060286	C CAPACITOR	10uF 10V	R135	HU-002000417	MG RESISTOR	4.7kΩ
C1071	HU-001060286	C CAPACITOR	10uF 10V	R136	HU-002000417	MG RESISTOR	4.7kΩ
C1072	HU-001060286	C CAPACITOR	10uF 10V	R137	HU-002000437	MG RESISTOR	10kΩ
C1081	HU-001060108	C CAPACITOR	0.01uF 50V	R138	HU-002000437	MG RESISTOR	10kΩ
C1082	HU-001060082	C CAPACITOR	0.1uF 50V	R139	HU-002000433	MG RESISTOR	0Ω
C1083	HU-001060082	C CAPACITOR	0.1uF 50V	R162	HU-002000437	MG RESISTOR	10kΩ
C1084	HU-001071145	C CAPACITOR	100uF 50V	R163	HU-002000437	MG RESISTOR	10kΩ
C1085	HU-001060317	C CAPACITOR	470nF 50V	R165	HU-002000433	MG RESISTOR	0Ω
C1087	HU-001060318	C CAPACITOR	0.1uF 50V	R166	HU-002000433	MG RESISTOR	0Ω
C1088	HU-001071145	C CAPACITOR	100uF 50V	R167	HU-002000433	MG RESISTOR	0Ω
C1090	HU-001060318	C CAPACITOR	0.1uF 50V	R170	HU-002000437	MG RESISTOR	10kΩ
C1091	HU-001060091	C CAPACITOR	0.01uF 50V	R174	HU-002000437	MG RESISTOR	10kΩ
C1092	HU-001060091	C CAPACITOR	0.01uF 50V	R175	HU-002000437	MG RESISTOR	10kΩ
C1093	HU-001060082	C CAPACITOR	0.1uF 50V	R176	HU-002000437	MG RESISTOR	10kΩ
C1094	HU-001060317	C CAPACITOR	470nF 50V	R177	HU-002000437	MG RESISTOR	10kΩ
C1101	HU-001060250	C CAPACITOR	0.1uF 16V K	R178	HU-002000437	MG RESISTOR	10kΩ

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R179	HU-002000433	MG RESISTOR	0Ω	R403	HU-002001141	MG RESISTOR	57.6Ω
R182	HU-002000437	MG RESISTOR	10kΩ	R404	HU-002001007	MG RESISTOR	1.8kΩ
R183	HU-002000417	MG RESISTOR	4.7kΩ	R405	HU-002000601	MG RESISTOR	20Ω
R185	HU-002000437	MG RESISTOR	10kΩ	R406	HU-002001141	MG RESISTOR	57.6Ω
R187	HU-002000437	MG RESISTOR	10kΩ	R407	HU-002000405	MG RESISTOR	1kΩ
R190	HU-002000437	MG RESISTOR	10kΩ	R408	HU-002000437	MG RESISTOR	10kΩ
R191	HU-002000437	MG RESISTOR	10kΩ	R409	HU-002000437	MG RESISTOR	10kΩ
R194	HU-002000437	MG RESISTOR	10kΩ	R410	HU-002000437	MG RESISTOR	10kΩ
R195	HU-002000437	MG RESISTOR	10kΩ	R411	HU-002000437	MG RESISTOR	10kΩ
R197	HU-002000437	MG RESISTOR	10kΩ	R412	HU-002000437	MG RESISTOR	10kΩ
R200	HU-002000437	MG RESISTOR	10kΩ	R413	HU-002000437	MG RESISTOR	10kΩ
R201	HU-002000437	MG RESISTOR	10kΩ	R414	HU-002000437	MG RESISTOR	10kΩ
R203	HU-002000433	MG RESISTOR	0Ω	R415	HU-002000437	MG RESISTOR	10kΩ
R204	HU-002000433	MG RESISTOR	0Ω	R416	HU-002000437	MG RESISTOR	10kΩ
R205	HU-002000437	MG RESISTOR	10kΩ	R417	HU-002000437	MG RESISTOR	10kΩ
R206	HU-002000555	MG RESISTOR	4.7kΩ	R418	HU-002000433	MG RESISTOR	0Ω
R207	HU-002000448	MG RESISTOR	33Ω	R420	HU-002000433	MG RESISTOR	0Ω
R208	HU-002000448	MG RESISTOR	33Ω	R422	HU-002001079	MG RESISTOR	3.9kΩ
R209	HU-002000448	MG RESISTOR	33Ω	R423	HU-002001079	MG RESISTOR	3.9kΩ
R221	HU-002000437	MG RESISTOR	10kΩ	R424	HU-002001079	MG RESISTOR	3.9kΩ
R222	HU-002000538	MG RESISTOR	120Ω	R425	HU-002001079	MG RESISTOR	3.9kΩ
R223	HU-002000437	MG RESISTOR	10kΩ	R426	HU-002001079	MG RESISTOR	3.9kΩ
R224	HU-002000437	MG RESISTOR	10kΩ	R427	HU-002001079	MG RESISTOR	3.9kΩ
R225	HU-002000437	MG RESISTOR	10kΩ	R428	HU-002001079	MG RESISTOR	3.9kΩ
R226	HU-002000437	MG RESISTOR	10kΩ	R429	HU-002001079	MG RESISTOR	3.9kΩ
R227	HU-002000437	MG RESISTOR	10kΩ	R430	HU-002001079	MG RESISTOR	3.9kΩ
R228	HU-002000437	MG RESISTOR	10kΩ	R431	HU-002001079	MG RESISTOR	3.9kΩ
R229	HU-002000436	MG RESISTOR	100kΩ	R434	HU-002000421	MG RESISTOR	75Ω
R230	HU-002000437	MG RESISTOR	10kΩ	R435	HU-002000601	MG RESISTOR	20Ω
R231	HU-002000437	MG RESISTOR	10kΩ	R436	HU-002000601	MG RESISTOR	20Ω
R232	HU-002000437	MG RESISTOR	10kΩ	R437	HU-002000601	MG RESISTOR	20Ω
R233	HU-002000437	MG RESISTOR	10kΩ	R438	HU-002000417	MG RESISTOR	4.7kΩ
R234	HU-002000433	MG RESISTOR	0Ω	R439	HU-002000601	MG RESISTOR	20Ω
R235	HU-002000417	MG RESISTOR	4.7kΩ	R440	HU-002000417	MG RESISTOR	4.7kΩ
R236	HU-002000523	MG RESISTOR	7.5kΩ	R442	HU-002000433	MG RESISTOR	0Ω
R237	HU-002000526	MG RESISTOR	3.3kΩ	R443	HU-002000433	MG RESISTOR	0Ω
R238	HU-002000437	MG RESISTOR	10kΩ	R457	HU-002000417	MG RESISTOR	4.7kΩ
R239	HU-002000433	MG RESISTOR	0Ω	R458	HU-002000417	MG RESISTOR	4.7kΩ
R251	HU-002000016	MG RESISTOR	1Ω	R459	HU-002000405	MG RESISTOR	1kΩ
R252	HU-002000016	MG RESISTOR	1Ω	R461	HU-002000437	MG RESISTOR	10kΩ
R253	HU-002000519	MG RESISTOR	10Ω	R462	HU-002000417	MG RESISTOR	4.7kΩ
R254	HU-002000519	MG RESISTOR	10Ω	R463	HU-002000417	MG RESISTOR	4.7kΩ
R255	HU-002000519	MG RESISTOR	10Ω	R464	HU-002000437	MG RESISTOR	10kΩ
R256	HU-002000519	MG RESISTOR	10Ω	R467	HU-002000465	MG RESISTOR	1kΩ
R257	HU-002000519	MG RESISTOR	10Ω	R469	HU-002000417	MG RESISTOR	4.7kΩ
R258	HU-002000519	MG RESISTOR	10Ω	R470	HU-002000437	MG RESISTOR	10kΩ
R259	HU-002000519	MG RESISTOR	10Ω	R471	HU-002000417	MG RESISTOR	4.7kΩ
R260	HU-002000519	MG RESISTOR	10Ω	R510	HU-002000448	MG RESISTOR	33Ω
R261	HU-002000519	MG RESISTOR	10Ω	R511	HU-002000448	MG RESISTOR	33Ω
R262	HU-002000508	MG RESISTOR	10Ω	R512	HU-002000448	MG RESISTOR	33Ω
R263	HU-002000508	MG RESISTOR	10Ω	R513	HU-002000448	MG RESISTOR	33Ω
R264	HU-002000519	MG RESISTOR	10Ω	R514	HU-002000448	MG RESISTOR	33Ω
R265	HU-002000437	MG RESISTOR	10kΩ	R515	HU-002000448	MG RESISTOR	33Ω
R266	HU-002000519	MG RESISTOR	10Ω	R516	HU-002000448	MG RESISTOR	33Ω
R267	HU-002000519	MG RESISTOR	10Ω	R517	HU-002000448	MG RESISTOR	33Ω
R268	HU-0020000021	MG RESISTOR	294Ω	R518	HU-002000448	MG RESISTOR	33Ω
R269	HU-002000519	MG RESISTOR	10Ω	R519	HU-002000448	MG RESISTOR	33Ω
R270	HU-002000519	MG RESISTOR	10Ω	R522	HU-002000421	MG RESISTOR	75Ω
R271	HU-002000519	MG RESISTOR	10Ω	R524	HU-002000555	MG RESISTOR	4.7kΩ
R272	HU-002000519	MG RESISTOR	10Ω	R525	HU-002000421	MG RESISTOR	75Ω
R273	HU-002000519	MG RESISTOR	10Ω	R526	HU-002000433	MG RESISTOR	0Ω
R274	HU-002000519	MG RESISTOR	10Ω	R528	HU-002000421	MG RESISTOR	75Ω
R275	HU-002000519	MG RESISTOR	10Ω	R529	HU-002000555	MG RESISTOR	4.7kΩ
R276	HU-002000499	MG RESISTOR	10kΩ	R530	HU-002000433	MG RESISTOR	0Ω
R277	HU-002000519	MG RESISTOR	10Ω	R531	HU-002000555	MG RESISTOR	4.7kΩ
R321	HU-002000599	MG RESISTOR	200Ω	R532	HU-002000555	MG RESISTOR	4.7kΩ
R322	HU-002000599	MG RESISTOR	200Ω	R533	HU-002000443	MG RESISTOR	22Ω
R381	HU-002000601	MG RESISTOR	20Ω	R534	HU-002001060	MG RESISTOR	220kΩ
R382	HU-002000601	MG RESISTOR	20Ω	R535	HU-002000099	MG RESISTOR	4.7Ω
R383	HU-002000601	MG RESISTOR	20Ω	R536	HU-002000433	MG RESISTOR	0Ω
R384	HU-002000601	MG RESISTOR	20Ω	R537	HU-002001060	MG RESISTOR	220kΩ
R385	HU-002000601	MG RESISTOR	20Ω	R538	HU-002000417	MG RESISTOR	4.7kΩ
R386	HU-002000601	MG RESISTOR	20Ω	R539	HU-002000437	MG RESISTOR	10kΩ
R387	HU-002000601	MG RESISTOR	20Ω	R540	HU-002000433	MG RESISTOR	0Ω
R388	HU-002001141	MG RESISTOR	57.6Ω	R541	HU-002000433	MG RESISTOR	0Ω
R389	HU-002000601	MG RESISTOR	20Ω	R544	HU-002000433	MG RESISTOR	0Ω
R390	HU-002000601	MG RESISTOR	20Ω	R551	HU-002000448	MG RESISTOR	33Ω
R391	HU-002000601	MG RESISTOR	20Ω	R553	HU-002000448	MG RESISTOR	33Ω
R392	HU-002000601	MG RESISTOR	20Ω	R554	HU-002000417	MG RESISTOR	4.7kΩ
R393	HU-002000601	MG RESISTOR	20Ω	R555	HU-002000448	MG RESISTOR	33Ω
R394	HU-002001141	MG RESISTOR	57.6Ω	R556	HU-002000448	MG RESISTOR	33Ω
R395	HU-002000601	MG RESISTOR	20Ω	R557	HU-002000417	MG RESISTOR	4.7kΩ
R396	HU-002000601	MG RESISTOR	20Ω	R558	HU-002000448	MG RESISTOR	33Ω
R397	HU-002000601	MG RESISTOR	20Ω	R559	HU-002000448	MG RESISTOR	33Ω
R398	HU-002001141	MG RESISTOR	57.6Ω	R560	HU-002000417	MG RESISTOR	4.7kΩ
R399	HU-002000601	MG RESISTOR	20Ω	R561	HU-002000448	MG RESISTOR	33Ω
R400	HU-002000601	MG RESISTOR	20Ω	R562	HU-002000448	MG RESISTOR	33Ω
R401	HU-002000601	MG RESISTOR	20Ω	R563	HU-002000448	MG RESISTOR	33Ω
R402	HU-002000601	MG RESISTOR	20Ω	R564	HU-002000448	MG RESISTOR	33Ω

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R575	HU-002000433	MG RESISTOR	0Ω	R755	HU-002001060	MG RESISTOR	220kΩ
R577	HU-002000433	MG RESISTOR	0Ω	R757	HU-002001060	MG RESISTOR	220kΩ
R579	HU-002000438	MG RESISTOR	12kΩ	R758	HU-002001060	MG RESISTOR	220kΩ
R590	HU-002000517	MG RESISTOR	249Ω	R761	HU-002000426	MG RESISTOR	3.3Ω
R593	HU-002000448	MG RESISTOR	33Ω	R762	HU-002000598	MG RESISTOR	5.6Ω
R599	HU-002000433	MG RESISTOR	0Ω	R763	HU-002000087	MG RESISTOR	4.7kΩ
R604	HU-002000547	MG RESISTOR	120Ω	R764	HU-002000426	MG RESISTOR	3.3Ω
R605	HU-002001002	MG RESISTOR	56Ω	R765	HU-002000527	MG RESISTOR	100Ω
R629	HU-002000454	MG RESISTOR	47kΩ	R766	HU-002000426	MG RESISTOR	3.3Ω
R630	HU-002000454	MG RESISTOR	47kΩ	R767	HU-002000417	MG RESISTOR	4.7kΩ
R631	HU-002000454	MG RESISTOR	47kΩ	R768	HU-002000598	MG RESISTOR	5.6Ω
R632	HU-002001124	MG RESISTOR	47kΩ	R769	HU-002000087	MG RESISTOR	4.7kΩ
R635	HU-002000443	MG RESISTOR	22Ω	R770	HU-002000417	MG RESISTOR	4.7kΩ
R636	HU-002000443	MG RESISTOR	22Ω	R771	HU-002000598	MG RESISTOR	5.6Ω
R637	HU-002000443	MG RESISTOR	22Ω	R772	HU-002000087	MG RESISTOR	4.7kΩ
R638	HU-002000443	MG RESISTOR	22Ω	R773	HU-002000433	MG RESISTOR	0Ω
R653	HU-002000443	MG RESISTOR	22Ω	R774	HU-002000426	MG RESISTOR	3.3Ω
R654	HU-002000454	MG RESISTOR	47kΩ	R775	HU-002000426	MG RESISTOR	3.3Ω
R655	HU-002000454	MG RESISTOR	47kΩ	R776	HU-002000598	MG RESISTOR	5.6Ω
R656	HU-002000443	MG RESISTOR	22Ω	R777	HU-002000087	MG RESISTOR	4.7kΩ
R657	HU-002001009	MG RESISTOR	68kΩ	R778	HU-002000502	MG RESISTOR	3.3kΩ
R658	HU-002000443	MG RESISTOR	22Ω	R779	HU-002000547	MG RESISTOR	120Ω
R659	HU-002000454	MG RESISTOR	47kΩ	R780	HU-002001002	MG RESISTOR	56Ω
R660	HU-002000527	MG RESISTOR	100Ω	R781	HU-002000433	MG RESISTOR	0Ω
R662	HU-002000421	MG RESISTOR	75Ω	R782	HU-002000433	MG RESISTOR	0Ω
R663	HU-002000421	MG RESISTOR	75Ω	R783	HU-002000454	MG RESISTOR	47kΩ
R664	HU-002001185	MG RESISTOR	62Ω	R785	HU-002001124	MG RESISTOR	47kΩ
R665	HU-002000433	MG RESISTOR	0Ω	R786	HU-002000499	MG RESISTOR	10kΩ
R666	HU-002000421	MG RESISTOR	75Ω	R787	HU-002000443	MG RESISTOR	22Ω
R667	HU-002000421	MG RESISTOR	75Ω	R788	HU-002000433	MG RESISTOR	0Ω
R668	HU-002000445	MG RESISTOR	30kΩ	R790	HU-002000443	MG RESISTOR	22Ω
R669	HU-002000437	MG RESISTOR	10kΩ	R792	HU-002000499	MG RESISTOR	10kΩ
R670	HU-002000421	MG RESISTOR	75Ω	R793	HU-002000437	MG RESISTOR	10kΩ
R671	HU-002000615	MG RESISTOR	4.02kΩ	R794	HU-002000437	MG RESISTOR	10kΩ
R672	HU-002000437	MG RESISTOR	10kΩ	R795	HU-002001124	MG RESISTOR	47kΩ
R674	HU-002001060	MG RESISTOR	220kΩ	R796	HU-002001045	MG RESISTOR	22kΩ
R675	HU-002001019	MG RESISTOR	1.6kΩ	R802	HU-002000443	MG RESISTOR	22Ω
R677	HU-002001060	MG RESISTOR	220kΩ	R803	HU-002000433	MG RESISTOR	0Ω
R678	HU-002000502	MG RESISTOR	3.3kΩ	R806	HU-002000443	MG RESISTOR	22Ω
R679	HU-002000502	MG RESISTOR	3.3kΩ	R807	HU-002000443	MG RESISTOR	22Ω
R680	HU-002000527	MG RESISTOR	100Ω	R808	HU-002000433	MG RESISTOR	0Ω
R681	HU-002001009	MG RESISTOR	68kΩ	R831	HU-002000527	MG RESISTOR	100Ω
R682	HU-002000511	MG RESISTOR	15kΩ	R832	HU-002000527	MG RESISTOR	100Ω
R683	HU-002001060	MG RESISTOR	220kΩ	R833	HU-002000417	MG RESISTOR	4.7kΩ
R684	HU-002000527	MG RESISTOR	100Ω	R834	HU-002000417	MG RESISTOR	4.7kΩ
R685	HU-002001060	MG RESISTOR	220kΩ	R835	HU-002000417	MG RESISTOR	4.7kΩ
R686	HU-002000511	MG RESISTOR	15kΩ	R836	HU-002000417	MG RESISTOR	4.7kΩ
R687	HU-002001009	MG RESISTOR	68kΩ	R837	HU-002000433	MG RESISTOR	0Ω
R688	HU-002000437	MG RESISTOR	10kΩ	R840	HU-002000433	MG RESISTOR	0Ω
R689	HU-002000454	MG RESISTOR	47kΩ	R851	HU-002000527	MG RESISTOR	100Ω
R690	HU-002000437	MG RESISTOR	10kΩ	R852	HU-002000527	MG RESISTOR	100Ω
R691	HU-002000437	MG RESISTOR	10kΩ	R853	HU-002000527	MG RESISTOR	100Ω
R692	HU-002000405	MG RESISTOR	1kΩ	R854	HU-002000527	MG RESISTOR	100Ω
R693	HU-002000405	MG RESISTOR	1kΩ	R855	HU-002000527	MG RESISTOR	100Ω
R694	HU-002000437	MG RESISTOR	10kΩ	R856	HU-002000527	MG RESISTOR	100Ω
R695	HU-002000437	MG RESISTOR	10kΩ	R857	HU-002000527	MG RESISTOR	100Ω
R702	HU-002000421	MG RESISTOR	75Ω	R858	HU-002000527	MG RESISTOR	100Ω
R703	HU-002000421	MG RESISTOR	75Ω	R861	HU-002000519	MG RESISTOR	10Ω
R704	HU-002001154	MG RESISTOR	68Ω	R862	HU-002000519	MG RESISTOR	10Ω
R705	HU-002000433	MG RESISTOR	0Ω	R863	HU-002000519	MG RESISTOR	10Ω
R706	HU-002000421	MG RESISTOR	75Ω	R864	HU-002000437	MG RESISTOR	10kΩ
R707	HU-002000421	MG RESISTOR	75Ω	R865	HU-002000417	MG RESISTOR	4.7kΩ
R708	HU-002000445	MG RESISTOR	30kΩ	R866	HU-002000437	MG RESISTOR	10kΩ
R709	HU-002000437	MG RESISTOR	10kΩ	R881	HU-002001082	MG RESISTOR	30.9kΩ
R710	HU-002000421	MG RESISTOR	75Ω	R882	HU-002000547	MG RESISTOR	120Ω
R712	HU-002000615	MG RESISTOR	4.02kΩ	R883	HU-002000499	MG RESISTOR	10kΩ
R713	HU-002000437	MG RESISTOR	10kΩ	R884	HU-002000509	MG RESISTOR	200Ω
R714	HU-002001060	MG RESISTOR	220kΩ	R885	HU-002000547	MG RESISTOR	120Ω
R715	HU-002001019	MG RESISTOR	1.6kΩ	R886	HU-002000547	MG RESISTOR	120Ω
R717	HU-002001060	MG RESISTOR	220kΩ	R887	HU-002000509	MG RESISTOR	200Ω
R718	HU-002000527	MG RESISTOR	100Ω	R888	HU-002001002	MG RESISTOR	56Ω
R719	HU-002001009	MG RESISTOR	68kΩ	R922	HU-002000448	MG RESISTOR	33Ω
R720	HU-002001060	MG RESISTOR	220kΩ	R923	HU-002000527	MG RESISTOR	100Ω
R721	HU-002000511	MG RESISTOR	15kΩ	R924	HU-002000437	MG RESISTOR	10kΩ
R722	HU-002000527	MG RESISTOR	100Ω	R926	HU-002000433	MG RESISTOR	0Ω
R723	HU-002001060	MG RESISTOR	220kΩ	R927	HU-002000407	MG RESISTOR	2.2kΩ
R724	HU-002000511	MG RESISTOR	15kΩ	R928	HU-002000421	MG RESISTOR	75Ω
R725	HU-002001009	MG RESISTOR	68kΩ	R929	HU-002001092	MG RESISTOR	330Ω
R730	HU-002000405	MG RESISTOR	1kΩ	R930	HU-002000529	MG RESISTOR	5.6kΩ
R731	HU-002000405	MG RESISTOR	1kΩ	R932	HU-002000433	MG RESISTOR	0Ω
R732	HU-002000405	MG RESISTOR	1kΩ	R933	HU-002000433	MG RESISTOR	0Ω
R733	HU-002000405	MG RESISTOR	1kΩ	R934	HU-002000433	MG RESISTOR	0Ω
R743	HU-002000421	MG RESISTOR	75Ω	R943	HU-002000529	MG RESISTOR	5.6kΩ
R744	HU-002000421	MG RESISTOR	75Ω	R944	HU-002001092	MG RESISTOR	330Ω
R747	HU-002000421	MG RESISTOR	75Ω	R947	HU-002001092	MG RESISTOR	330Ω
R748	HU-002000421	MG RESISTOR	75Ω	R948	HU-002000433	MG RESISTOR	0Ω
R750	HU-002000421	MG RESISTOR	75Ω	R949	HU-002000433	MG RESISTOR	0Ω
R752	HU-002000421	MG RESISTOR	75Ω	R962	HU-002000417	MG RESISTOR	4.7kΩ
R754	HU-002001060	MG RESISTOR	220kΩ	R963	HU-002000405	MG RESISTOR	1kΩ

△Ref No.	Part No.	Part Name	Description Local	△Ref No.	Part No.	Part Name	Description Local
R964	HU-002000527	MG RESISTOR	100Ω	L703	NQR0154-002X	FERRITE CORE	
R966	HU-002000527	MG RESISTOR	100Ω	L704	NQL812K-1R8X	PEAKING COIL	1.8uH K
R967	HU-002000433	MG RESISTOR	0Ω	L705	NQL812K-1R8X	PEAKING COIL	1.8uH K
R968	HU-002000433	MG RESISTOR	0Ω	L741	NQL812K-1R8X	PEAKING COIL	1.8uH K
R970	HU-002000433	MG RESISTOR	0Ω	L742	HU-011030006	BEAD	
R972	HU-002000591	MG RESISTOR	18kΩ	L743	NQL812K-1R8X	PEAKING COIL	1.8uH K
R973	HU-002000433	MG RESISTOR	0Ω	L744	HU-011030006	BEAD	
R974	HU-002000591	MG RESISTOR	18kΩ	L761	NQR0154-002X	FERRITE CORE	
R975	HU-002000433	MG RESISTOR	0Ω	L762	HU-011000029	COIL	15uH
R1021	HU-002000433	MG RESISTOR	0Ω	L763	HU-011000029	COIL	15uH
R1022	HU-002000433	MG RESISTOR	0Ω	L764	NQR0154-002X	FERRITE CORE	
R1023	HU-002000527	MG RESISTOR	100Ω	L765	NQR0154-002X	FERRITE CORE	
R1024	HU-002000527	MG RESISTOR	100Ω	L766	NQR0154-002X	FERRITE CORE	
R1025	HU-002000527	MG RESISTOR	100Ω	L767	HU-011000056	INDUCTOR	1.8uH
R1026	HU-002000527	MG RESISTOR	100Ω	L768	HU-011000056	INDUCTOR	1.8uH
R1027	HU-002000509	MG RESISTOR	200Ω	L769	NQR0154-002X	FERRITE CORE	
R1028	HU-002001092	MG RESISTOR	330Ω	L921	NQR0154-002X	FERRITE CORE	
R1051	HU-002001082	MG RESISTOR	30.9kΩ	L922	NQR0154-002X	FERRITE CORE	
R1052	HU-002000405	MG RESISTOR	1kΩ	L923	NQR0154-002X	FERRITE CORE	
R1053	HU-002000405	MG RESISTOR	1kΩ	L961	NQR0154-002X	FERRITE CORE	
R1054	HU-002000448	MG RESISTOR	33Ω	L962	NQR0154-002X	FERRITE CORE	
R1055	HU-002000448	MG RESISTOR	33Ω	L963	NQR0154-002X	FERRITE CORE	
R1056	HU-002001085	MG RESISTOR	300Ω	L964	NQR0154-002X	FERRITE CORE	
R1057	HU-002000417	MG RESISTOR	4.7kΩ	L965	NQR0154-002X	FERRITE CORE	
R1058	HU-002000417	MG RESISTOR	4.7kΩ	L1021	NQR0154-002X	FERRITE CORE	
R1059	HU-002000417	MG RESISTOR	4.7kΩ	L1051	NQR0154-002X	FERRITE CORE	
R1060	HU-002000433	MG RESISTOR	0Ω	L1052	NQR0154-002X	FERRITE CORE	
R1061	HU-002000433	MG RESISTOR	0Ω	L1081	HU-011002720	CHIP COIL	
R1062	HU-002000520	MG RESISTOR	47Ω	L1082	HU-011030160	FERRITE CORE	
R1063	HU-002000417	MG RESISTOR	4.7kΩ				
R1064	HU-002000406	MG RESISTOR	1MΩ	JP112	HU-009100033	USB CONNECTOR	USB
R1083	HU-002000443	MG RESISTOR	22Ω	JP221	HU-009030370	PC CONNECTOR	PC
R1085	HU-002000433	MG RESISTOR	0Ω	JP522	HU-009130030	JACK	SERVICE
R1086	HU-002000437	MG RESISTOR	10kΩ	JP523	HU-009090120	OPT CONNECTOR	DIGITAL AUDIO OUT
R1089	HU-002000433	MG RESISTOR	0Ω	JP621	HU-009100750	HDMI CONNECTOR	EXT-5 HDMI
R1090	HU-002000025	MG RESISTOR	1kΩ	JP622	HU-009100750	HDMI CONNECTOR	EXT-6 HDMI
R1100	HU-002000407	MG RESISTOR	2.2KΩ	JP651	HU-009100600	HDMI CONNECTOR	EXT-7 HDMI
R1101	HU-002000407	MG RESISTOR	2.2KΩ	JP661	HU-0090400001	SCART CONNECTOR	EXT-1
R1201	HU-002001022	MG RESISTOR	110Ω	JP701	HU-0090400001	SCART CONNECTOR	EXT-2
R1202	HU-002000509	MG RESISTOR	200Ω	JP741	HU-0090100001	PIN JACK	EXT-3 Pr/Pb/Y
				JP742	HU-009010036	S-JACK	EXT-4 S-VIDEO
L1	NQR0297-001X	FERRITE CORE		JP743	HU-009010940	PIN JACK	EXT-4 VIDEO/AUDIO(L/R)
L2	NQR0297-001X	FERRITE CORE		JP744	HU-009130050	PIN JACK	EXT-3 AUDIO(L/R)
L3	HU-011030350	FERRITE BEAD		JP762	HU-009010076	HEADPHONE JACK	HEADPHONE
L4	NQR0154-002X	FERRITE CORE		JP831	HU-009130030	JACK	PC AUDIO
L16	HU-011030031	FERRITE BEAD		PR111	HU-002070049	NET RESISTOR	10kΩx4
L21	HU-011000027	CHOKO COIL	4.7uH	PR221	HU-002070039	NET RESISTOR	33Ωx4
L22	HU-011001940	COIL	1uH	PR222	HU-002070039	NET RESISTOR	33Ωx4
L23	NQR0154-002X	FERRITE CORE		PR223	HU-002070039	NET RESISTOR	33Ωx4
L24	NQR0154-002X	FERRITE CORE		PR224	HU-002070039	NET RESISTOR	33Ωx4
L25	NQR0154-002X	FERRITE CORE		PR225	HU-002070039	NET RESISTOR	33Ωx4
L27	NQR0154-002X	FERRITE CORE		PR226	HU-002070039	NET RESISTOR	33Ωx4
L111	NQR0154-002X	FERRITE CORE		PR251	HU-002070034	NET RESISTOR	10Ωx4
L112	NQR0154-002X	FERRITE CORE		PR252	HU-002070034	NET RESISTOR	10Ωx4
L113	HU-011050050	CHOKO COIL		PR253	HU-002070034	NET RESISTOR	10Ωx4
L114	HU-011030350	FERRITE BEAD		PR254	HU-002070034	NET RESISTOR	10Ωx4
L161	NQR0154-002X	FERRITE CORE		PR255	HU-002070034	NET RESISTOR	10Ωx4
L251	NQR0154-002X	FERRITE CORE		PR256	HU-002070034	NET RESISTOR	10Ωx4
L252	NQR0154-002X	FERRITE CORE		PR257	HU-002070034	NET RESISTOR	10Ωx4
L321	NQR0154-002X	FERRITE CORE		PR258	HU-002070034	NET RESISTOR	10Ωx4
L322	NQR0154-002X	FERRITE CORE		PR259	HU-002070034	NET RESISTOR	10Ωx4
L381	NQR0154-002X	FERRITE CORE		PR260	HU-002070034	NET RESISTOR	10Ωx4
L382	NQR0154-002X	FERRITE CORE		PR261	HU-002070034	NET RESISTOR	10Ωx4
L383	NQR0154-002X	FERRITE CORE		PR262	HU-002070034	NET RESISTOR	10Ωx4
L384	NQR0154-002X	FERRITE CORE		PR961	HU-002070050	NET RESISTOR	47Ωx4
L385	NQR0154-002X	FERRITE CORE		PR962	HU-002070050	NET RESISTOR	47Ωx4
L386	NQR0154-002X	FERRITE CORE		PR963	HU-002070050	NET RESISTOR	47Ωx4
L451	NQR0154-007X	FERRITE CORE		PR1051	HU-002070050	NET RESISTOR	47Ωx4
L452	NQR0154-007X	FERRITE CORE		PR1052	HU-002070050	NET RESISTOR	47Ωx4
L453	HU-011030300	FERRITE BEAD		PR1053	HU-002070050	NET RESISTOR	47Ωx4
L456	HU-011030300	FERRITE BEAD		RV521	HU-002110004	VARIATOR	100pF 5.6V
L521	HU-011030023	BEAD		RV522	HU-002110004	VARIATOR	100pF 5.6V
L522	HU-011030023	BEAD		RV523	HU-002110008	VARIATOR	
L523	HU-011030023	BEAD		RV524	HU-002110008	VARIATOR	
L524	NQR0154-007X	FERRITE CORE		RV525	HU-002110008	VARIATOR	
L527	HU-011000056	INDUCTOR	1.8uH	RV526	HU-002110008	VARIATOR	
L528	HU-011000056	INDUCTOR	1.8uH	RV661	HU-002110004	VARIATOR	100pF 5.6V
L551	NQR0154-002X	FERRITE CORE		RV662	HU-002110004	VARIATOR	100pF 5.6V
L552	NQR0154-002X	FERRITE CORE		RV663	HU-002110004	VARIATOR	100pF 5.6V
L621	NQR0154-002X	FERRITE CORE		RV664	HU-002110004	VARIATOR	100pF 5.6V
L622	NQR0154-002X	FERRITE CORE		RV665	HU-002110008	VARIATOR	
L651	NQR0154-002X	FERRITE CORE		RV666	HU-002110004	VARIATOR	100pF 5.6V
L661	NQL812K-1R8X	PEAKING COIL	1.8uH K	RV667	HU-002110008	VARIATOR	
L662	NQL812K-1R8X	PEAKING COIL	1.8uH K	RV668	HU-002110008	VARIATOR	
L663	NQL812K-1R8X	PEAKING COIL	1.8uH K	RV669	HU-002110008	VARIATOR	
L664	NQR0154-002X	FERRITE CORE		RV670	HU-002110008	VARIATOR	
L665	NQL812K-1R8X	PEAKING COIL	1.8uH K	RV701	HU-002110004	VARIATOR	100pF 5.6V
L701	NQL812K-1R8X	PEAKING COIL	1.8uH K	RV702	HU-002110004	VARIATOR	100pF 5.6V
L702	NQL812K-1R8X	PEAKING COIL	1.8uH K	RV703	HU-002110004	VARIATOR	100pF 5.6V

△Ref No.	Part No.	Part Name	Description Local
RV704	HU-002110004	VARISTOR	100pF 5.6V
RV705	HU-002110008	VARISTOR	
RV706	HU-002110004	VARISTOR	100pF 5.6V
RV707	HU-002110008	VARISTOR	
RV708	HU-002110008	VARISTOR	
RV709	HU-002110008	VARISTOR	
RV710	HU-002110008	VARISTOR	
RV741	HU-002110004	VARISTOR	100pF 5.6V
RV742	HU-002110004	VARISTOR	100pF 5.6V
RV743	HU-002110004	VARISTOR	100pF 5.6V
RV744	HU-002110004	VARISTOR	100pF 5.6V
RV745	HU-002110004	VARISTOR	100pF 5.6V
RV746	HU-002110008	VARISTOR	
RV747	HU-002110008	VARISTOR	
RV748	HU-002110008	VARISTOR	
RV749	HU-002110008	VARISTOR	
RV831	HU-002110008	VARISTOR	
RV832	HU-002110008	VARISTOR	
Y81	HU-005000940	CRYSTAL	16MHz
Y961	HU-005000940	CRYSTAL	16MHz

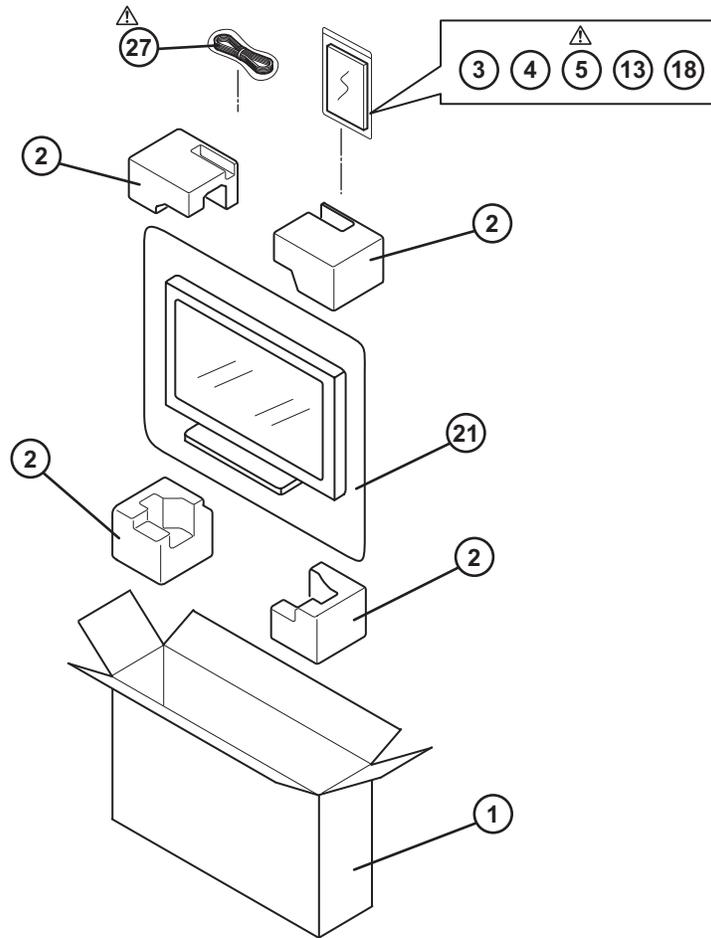
IR P.W. BOARD ASS'Y (HU-72200001)

△Ref No.	Part No.	Part Name	Description Local
U1	HU-006050110	REMOCON SENSOR	
D1	HU-006020000	LED	POWER
C1	HU-001060288	C CAPACITOR	1uF 25V
C2	HU-001060288	C CAPACITOR	1uF 25V
C3	HU-0010900002	TA CAPACITOR	220uF 10V
R2	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-72200002)

△Ref No.	Part No.	Part Name	Description Local
R5	HU-002000500	MG RESISTOR	27Ω
R6	HU-002000500	MG RESISTOR	27Ω
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-008020050	TACT SW	TV/AV
S2	HU-008020050	TACT SW	PROGRAM +
S3	HU-008020050	TACT SW	MENU/OK
S4	HU-008020050	TACT SW	PROGRAM -
S5	HU-008020050	TACT SW	VOL -
S6	HU-008020050	TACT SW	POWER ON/OFF
S7	HU-008020050	TACT SW	VOL +

PACKING



PACKING PARTS LIST

△ Ref.No.	Part No.	Part Name	Description	Local
1	-----	CARTON BOX	Not supply	
2	-----	CUSHION	Not supply	
3	HU-0320200064	REMOTE CONTROL UNIT	RM-C2503	
4	-----	BATTERY	AAA/R03(x2)	
△ 5	HU-2000000111	INST BOOK	English/French/German/Italian	
13	-----	WARRANTY CARD	HU-2030000021	
18	HU-2000700105	CAUTION SHEET		
21	-----	POLY BAG	Not supply	
△ 27	HU-0130000030	POWER CORD		

JVC

SCHEMATIC DIAGRAMS

INTEGRATED DIGITAL TERRESTRIAL/SATELLITE LCD TELEVISION

LT-26DB1BU_{/AX}

DVD-ROM No.SML2009Q1



DVB[®]
Digital Video
Broadcasting
HD
ready
HDMI[™]
HIGH-DEFINITION MULTIMEDIA INTERFACE

LT-26DB1BU/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

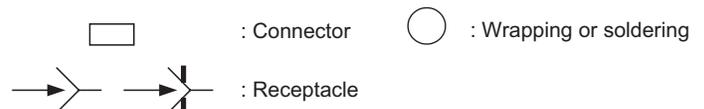


* Respective voltage values are indicated

(5)Test point



(6)Connecting method



(7)Ground symbol

- \perp : LIVE side ground
- \perp with a horizontal line through the stem : ISOLATED(NEUTRAL) side ground
- \perp with a horizontal line through the stem and a vertical line below : 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) (\perp) 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 (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.

CONTENTS

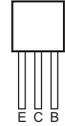
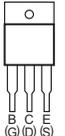
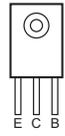
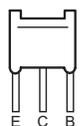
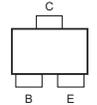
SEMICONDUCTOR SHAPES	2-2
WIRING DIAGRAM	2-3
BLOCK DIAGRAM	2-5
CIRCUIT DIAGRAMS	2-7
MAIN PWB CIRCUIT DIAGRAM	2-7
IR PWB CIRCUIT DIAGRAM	2-63
KEY PWB CIRCUIT DIAGRAM	2-65
PATTERN DIAGRAMS	2-67
MAIN PWB PATTERN	2-67
IR PWB PATTERN	2-71
KEY PWB PATTERN	2-71

USING P.W. BOARD

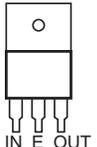
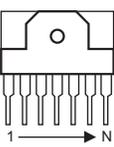
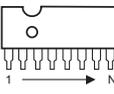
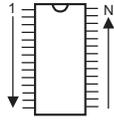
P.W.B ASS' Y name	LT-26DB1BU/AX
MAIN P.W. BOARD	HU-71100005
IR P.W. BOARD	HU-72200001
KEY P.W. BOARD	HU-72200002

SEMICONDUCTOR SHAPES

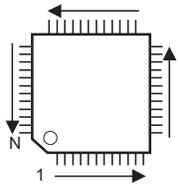
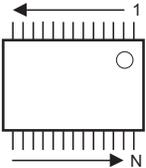
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

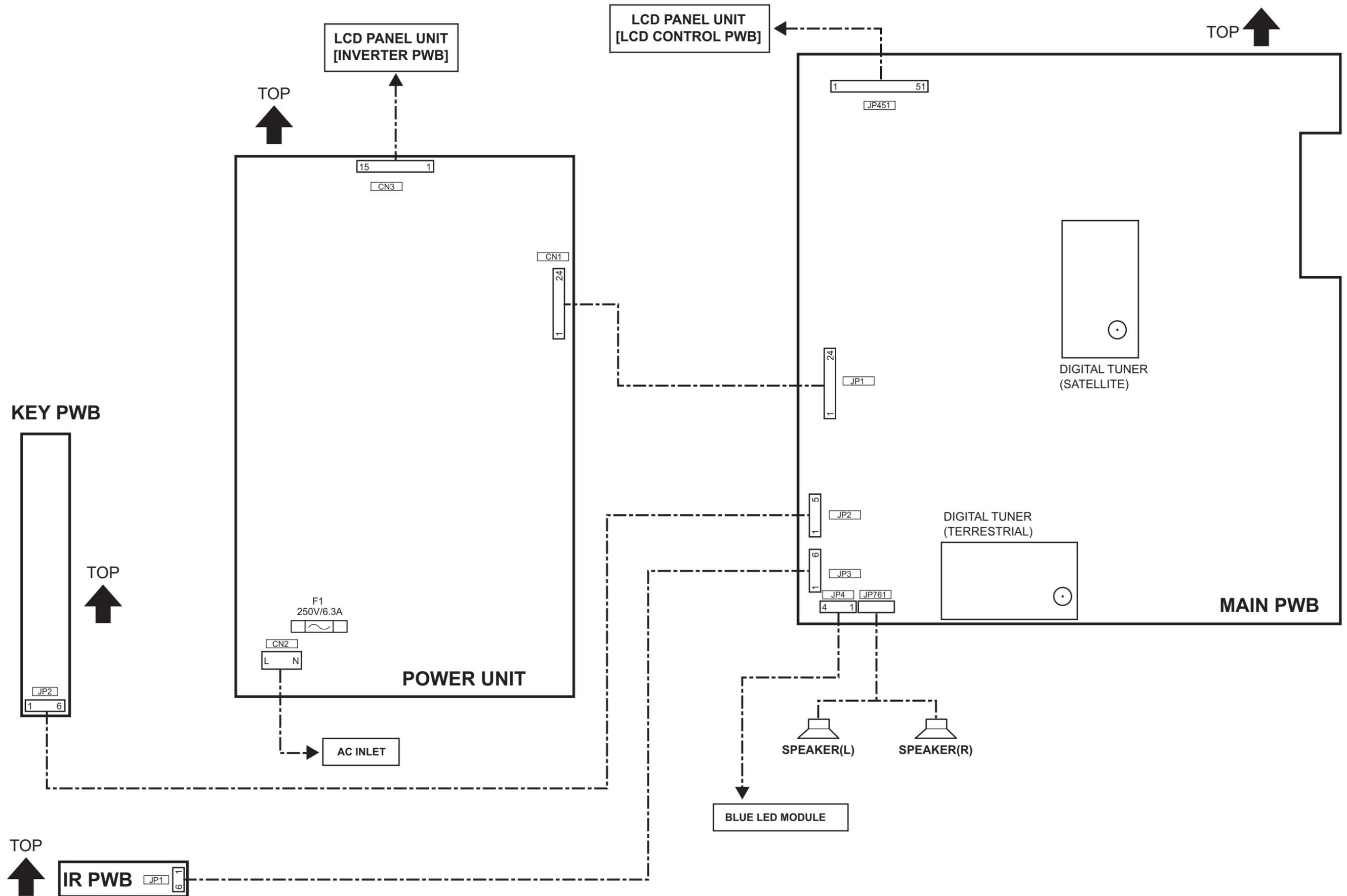
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

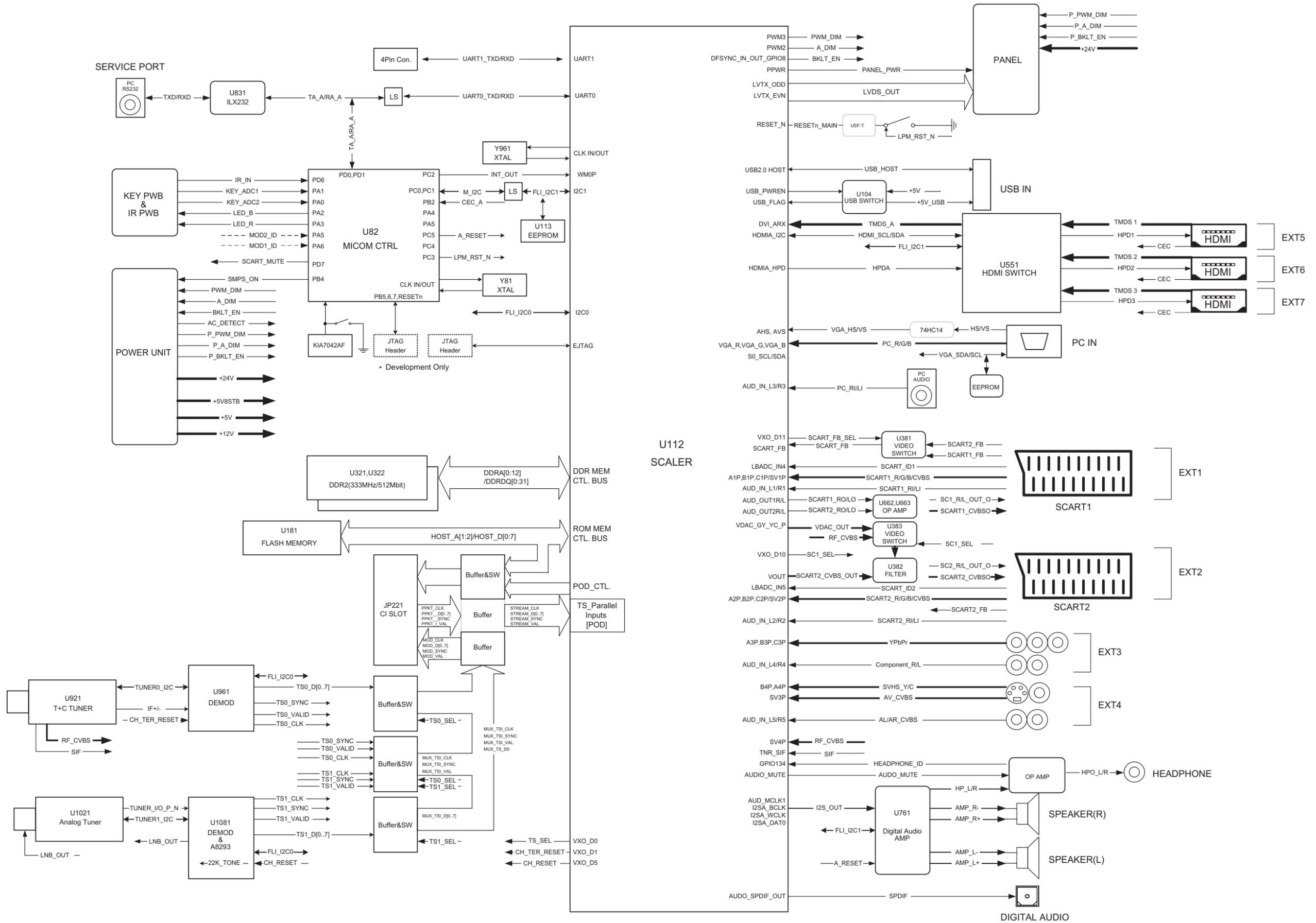
CHIP IC

TOP VIEW		
		

WIRING DIAGRAM

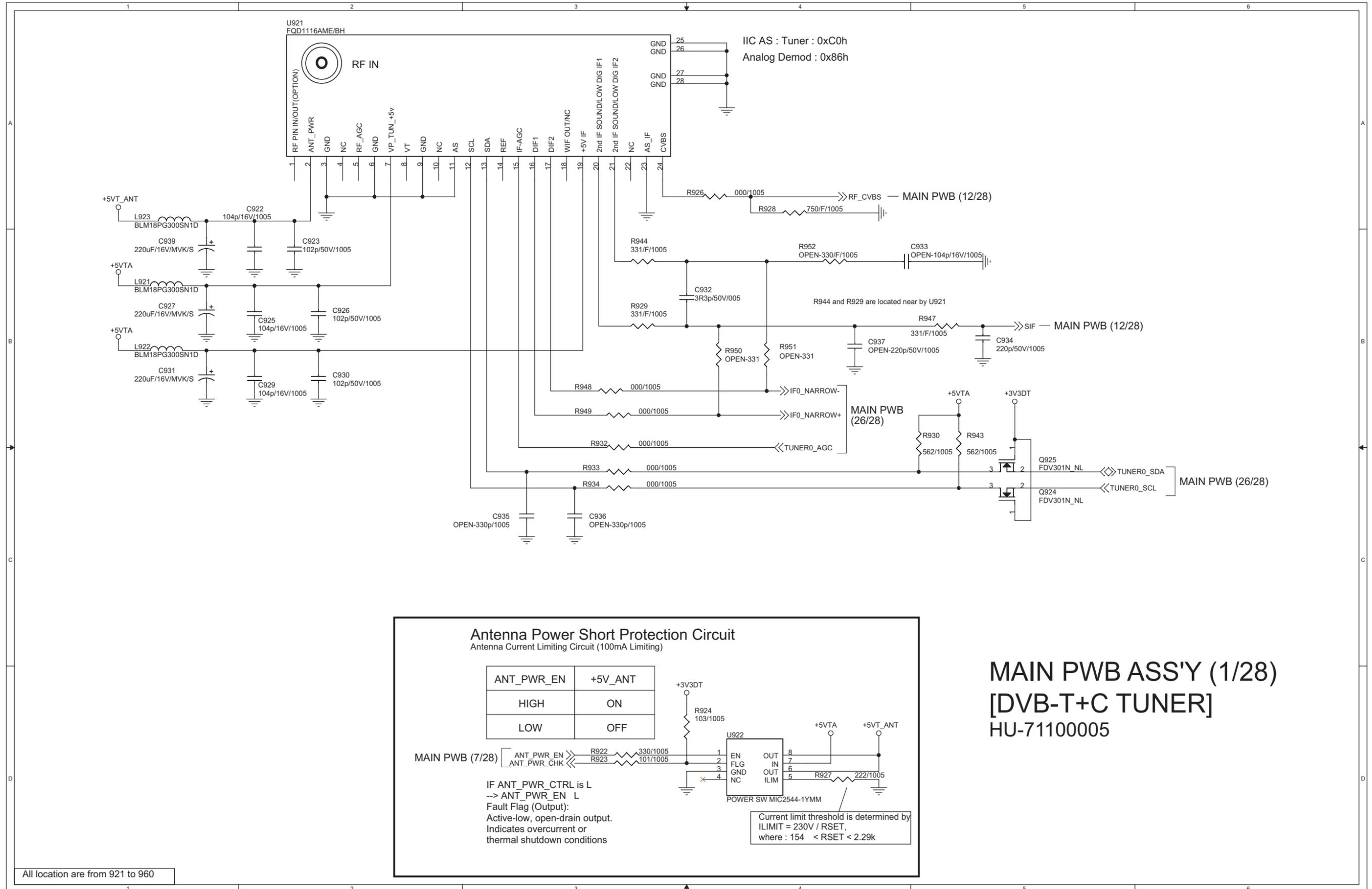


BLOCK DIAGRAM



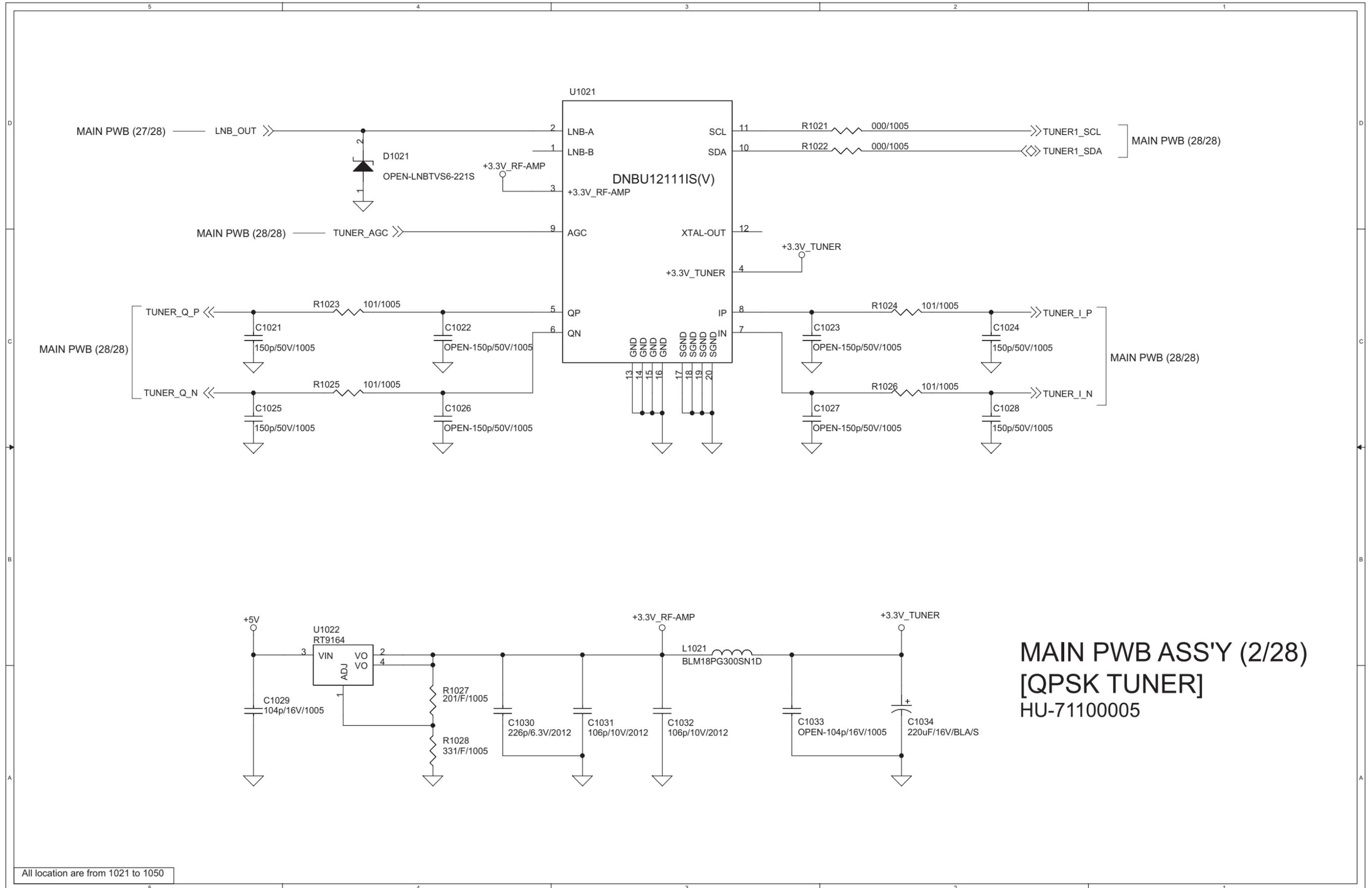
CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM (1/28) [DVB-T+C TUNER]



MAIN PWB ASS'Y (1/28)
[DVB-T+C TUNER]
HU-71100005

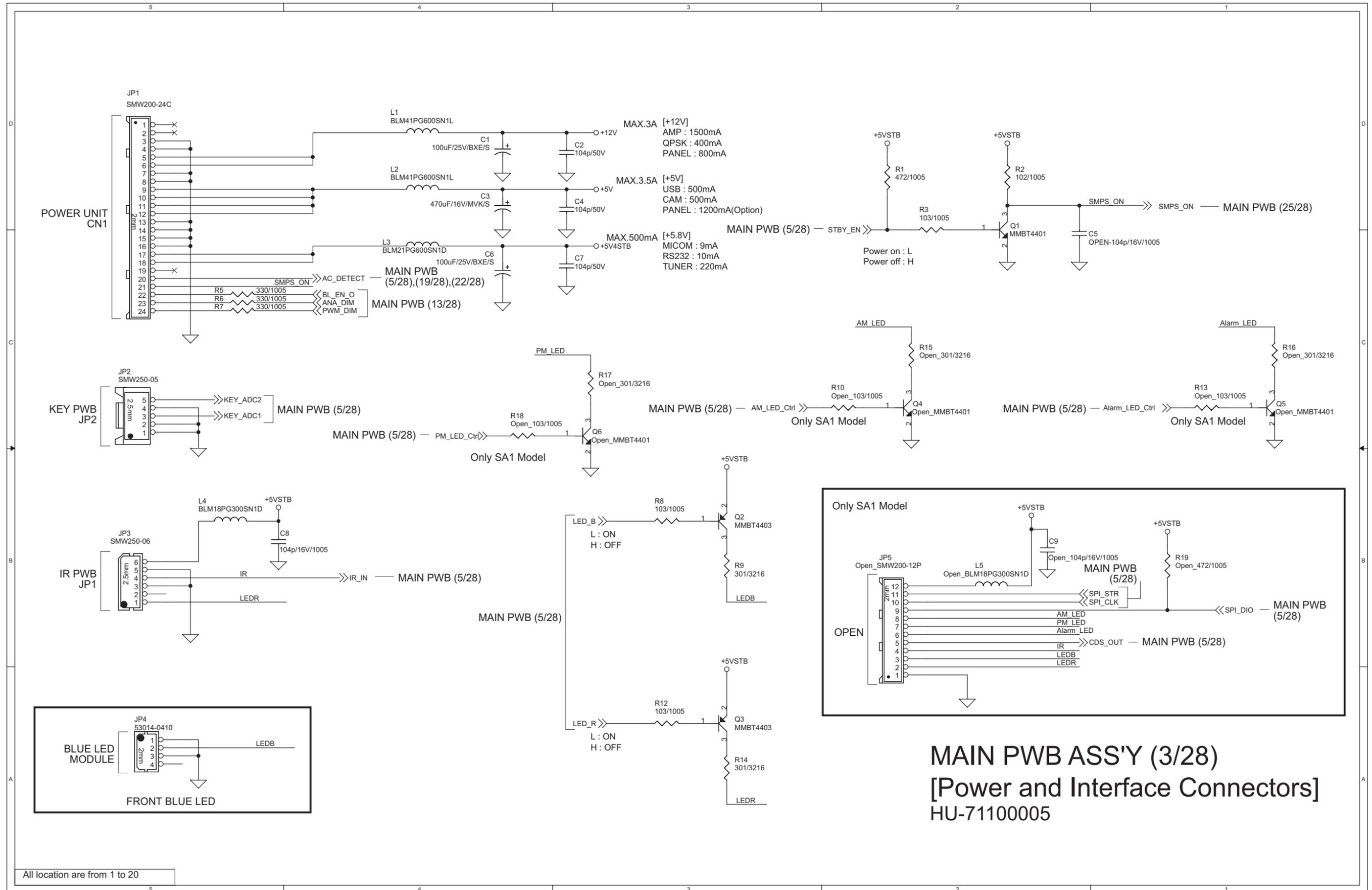
All location are from 921 to 960



MAIN PWB ASS'Y (2/28)
[QPSK TUNER]
HU-71100005

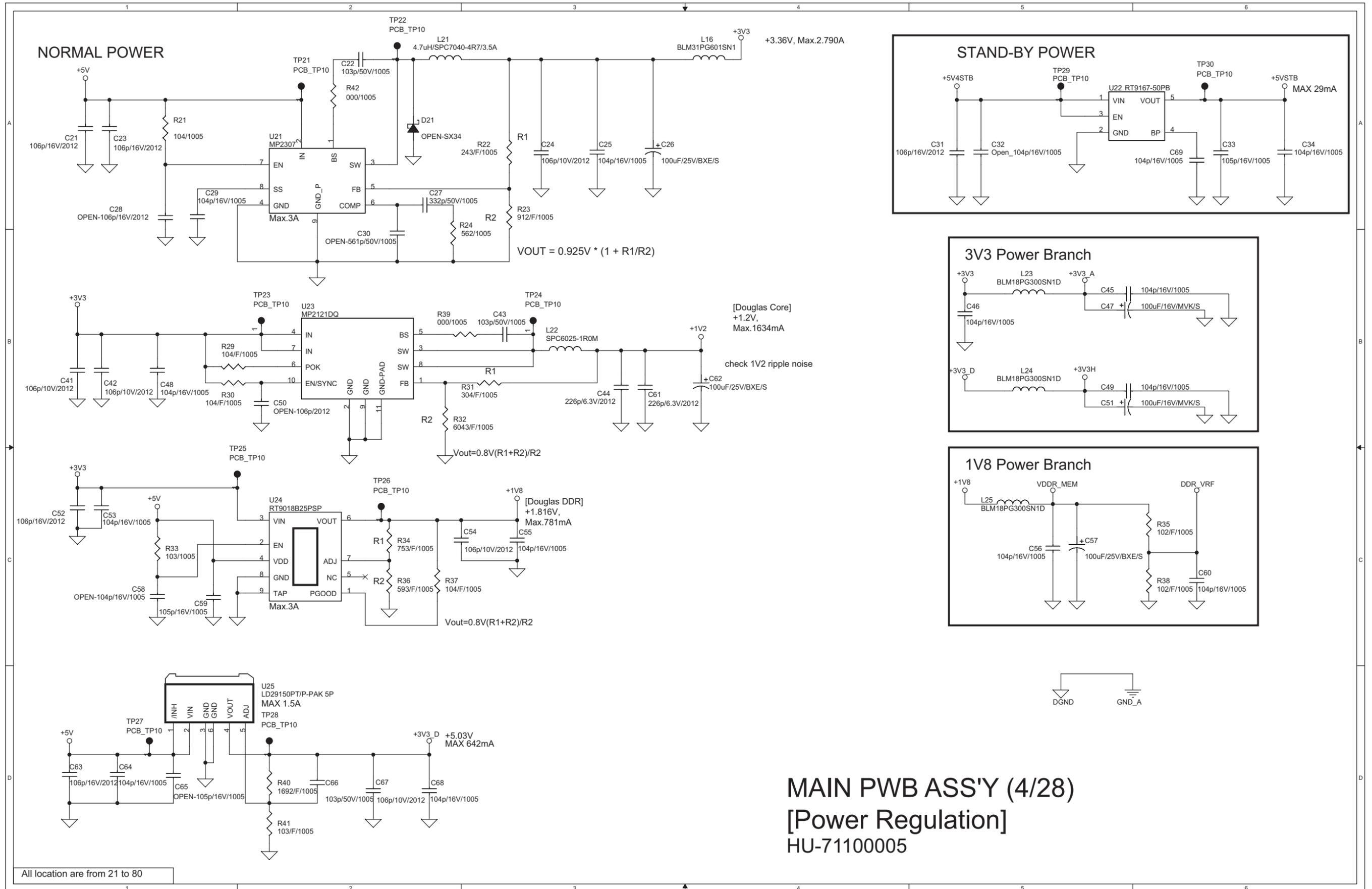
All location are from 1021 to 1050

MAIN PWB CIRCUIT DIAGRAM (3/28) [Power and Interface Connectors]



MAIN PWB ASS'Y (3/28)
[Power and Interface Connectors]
HU-71100005

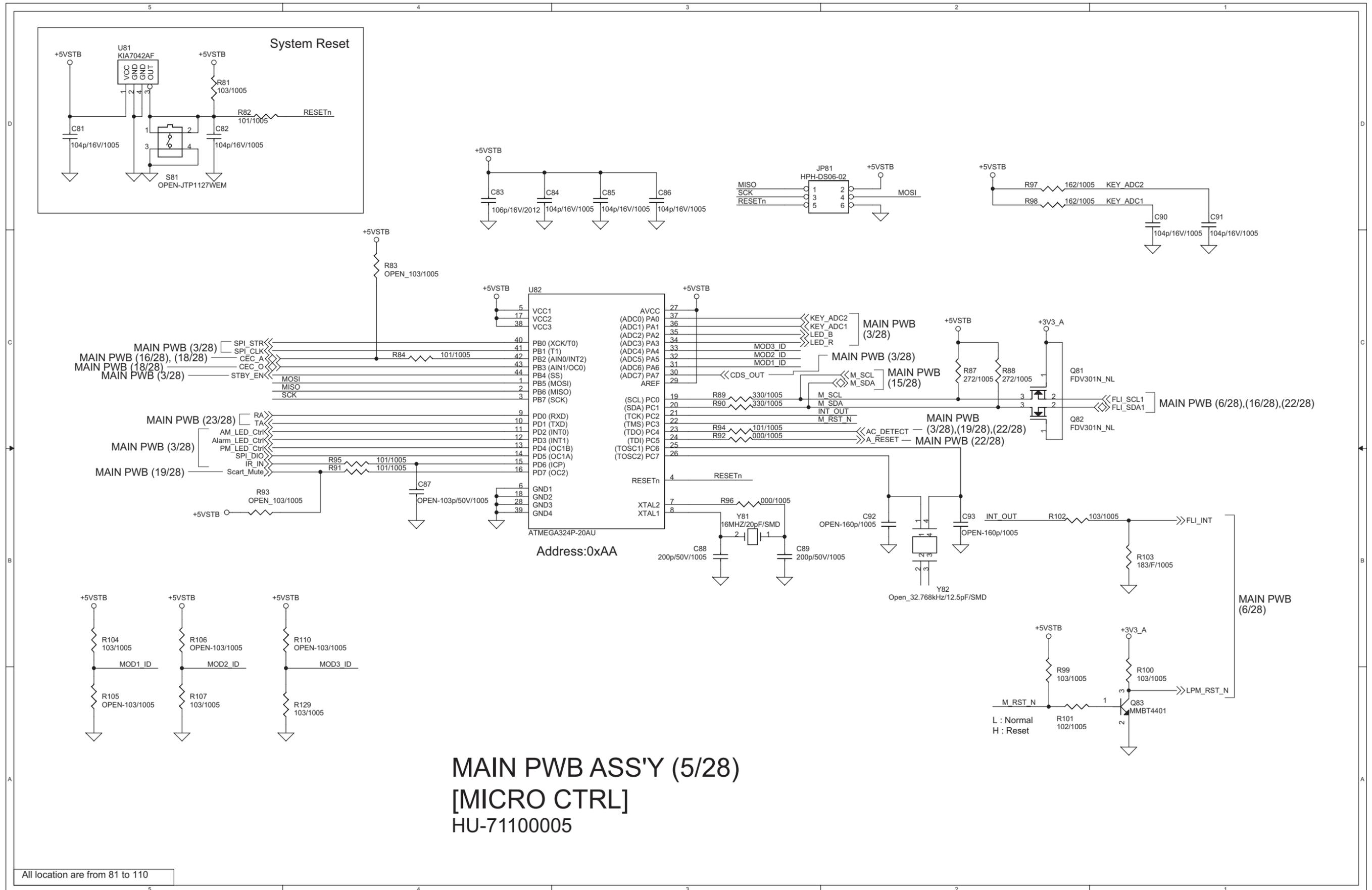
All location are from 1 to 20



All location are from 21 to 80

MAIN PWB ASS'Y (4/28)
[Power Regulation]
 HU-71100005

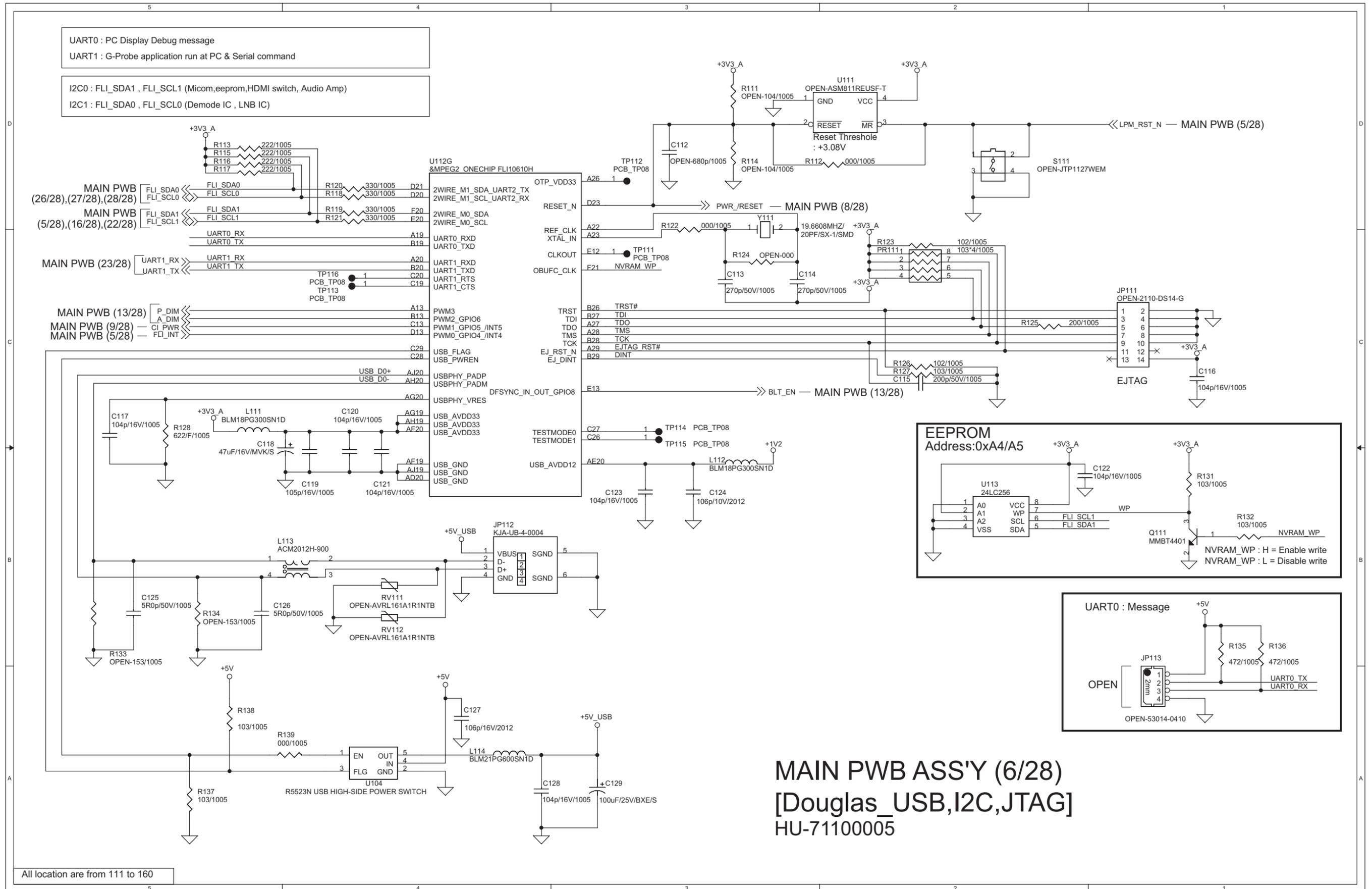
MAIN PWB CIRCUIT DIAGRAM (5/28) [MICRO CTRL]



MAIN PWB ASS'Y (5/28)
[MICRO CTRL]
HU-71100005

All location are from 81 to 110

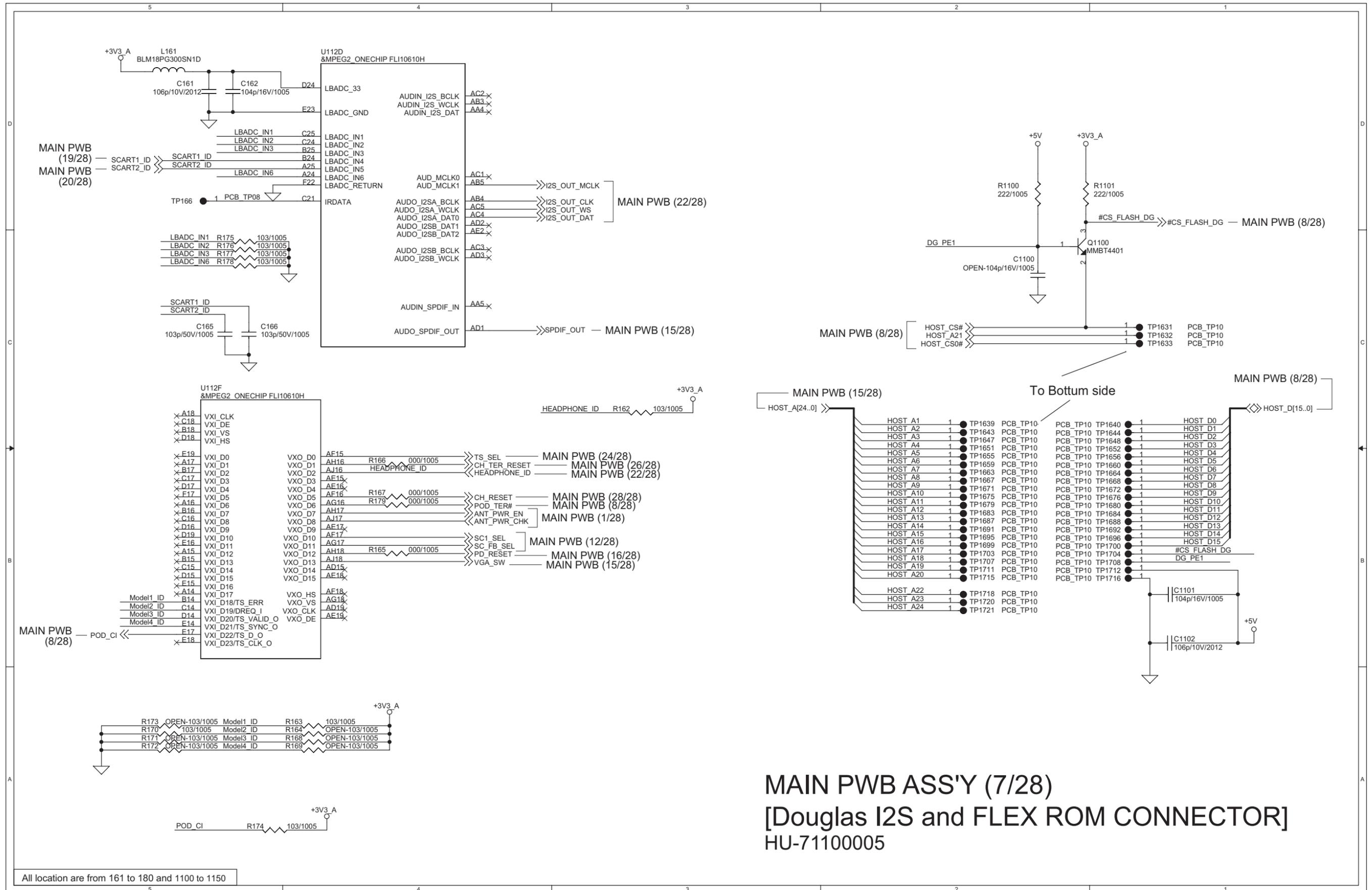
MAIN PWB CIRCUIT DIAGRAM (6/28) [Douglas_USB,I2C,JTAG]



MAIN PWB ASS'Y (6/28)
[Douglas_USB,I2C,JTAG]
HU-71100005

All location are from 111 to 160

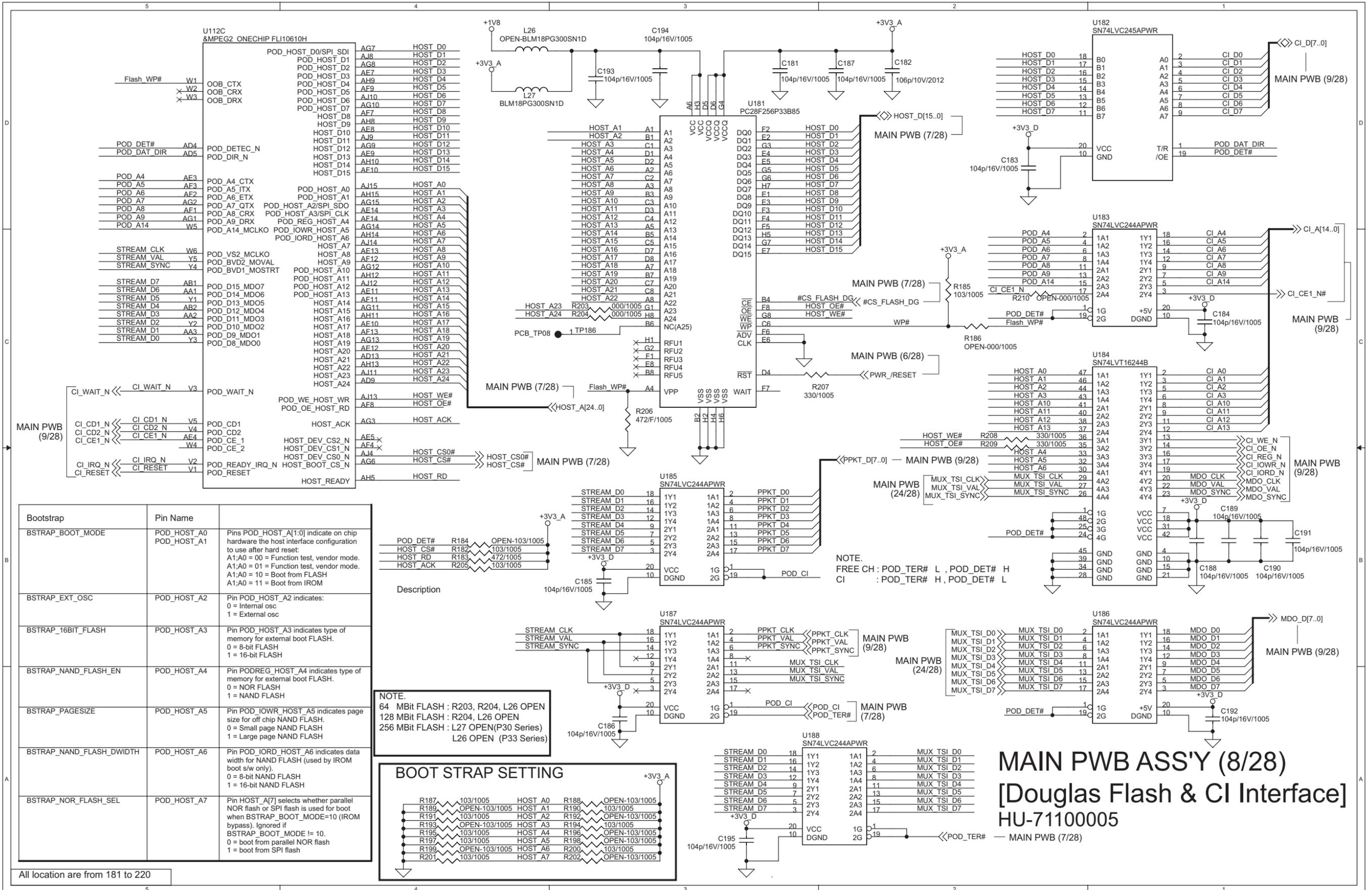
MAIN PWB CIRCUIT DIAGRAM (7/28) [Douglas I2S and FLEX ROM CONNECTOR]



MAIN PWB ASS'Y (7/28)
[Douglas I2S and FLEX ROM CONNECTOR]
HU-71100005

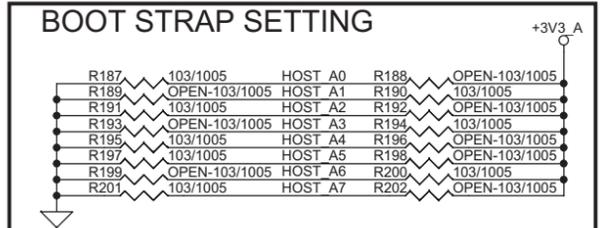
All location are from 161 to 180 and 1100 to 1150

MAIN PWB CIRCUIT DIAGRAM (8/28) [Douglas Flash & CI Interface]



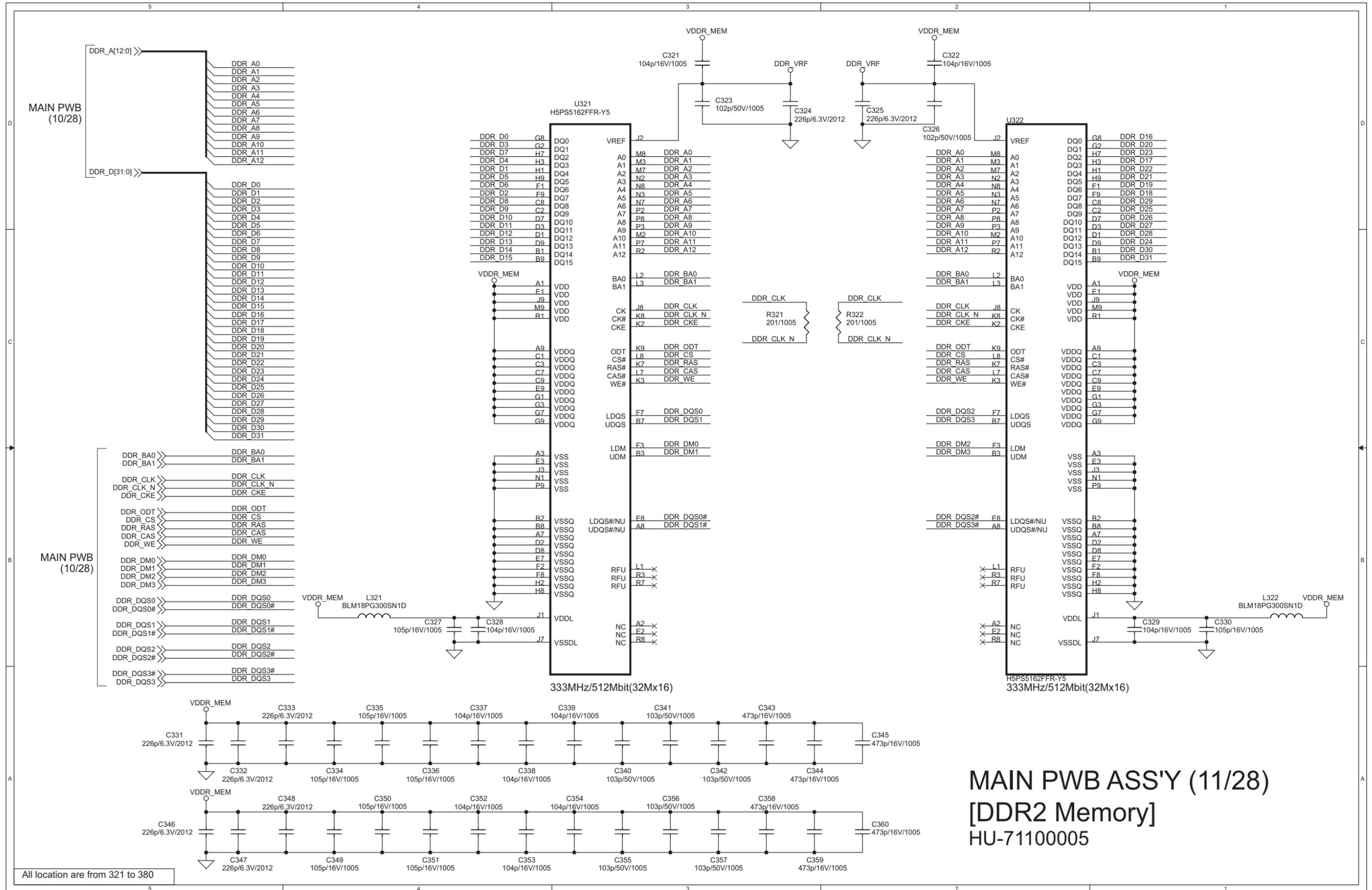
Bootstrap	Pin Name	Description
BSTRAP_BOOT_MODE	POD_HOST_A0 POD_HOST_A1	Pins POD_HOST_A[1:0] indicate on chip hardware the host interface configuration to use after hard reset: A1:A0 = 00 = Function test, vendor mode. A1:A0 = 01 = Function test, vendor mode. A1:A0 = 10 = Boot from FLASH A1:A0 = 11 = Boot from IROM
BSTRAP_EXT_OSC	POD_HOST_A2	Pin POD_HOST_A2 indicates: 0 = Internal osc 1 = External osc
BSTRAP_16BIT_FLASH	POD_HOST_A3	Pin POD_HOST_A3 indicates type of memory for external boot FLASH. 0 = 8-bit FLASH 1 = 16-bit FLASH
BSTRAP_NAND_FLASH_EN	POD_HOST_A4	Pin PODREG_HOST_A4 indicates type of memory for external boot FLASH. 0 = NOR FLASH 1 = NAND FLASH
BSTRAP_PAGESIZE	POD_HOST_A5	Pin POD_IOWR_HOST_A5 indicates page size for off chip NAND FLASH. 0 = Small page NAND FLASH 1 = Large page NAND FLASH
BSTRAP_NAND_FLASH_DWIDTH	POD_HOST_A6	Pin POD_IORD_HOST_A6 indicates data width for NAND FLASH (used by IROM boot s/w only). 0 = 8-bit NAND FLASH 1 = 16-bit NAND FLASH
BSTRAP_NOR_FLASH_SEL	POD_HOST_A7	Pin HOST_A[7] selects whether parallel NOR flash or SPI flash is used for boot when BSTRAP_BOOT_MODE=10 (IROM bypass). Ignored if BSTRAP_BOOT_MODE != 10. 0 = boot from parallel NOR flash 1 = boot from SPI flash

NOTE:
64 MBit FLASH : R203, R204, L26 OPEN
128 MBit FLASH : R204, L26 OPEN
256 MBit FLASH : L27 OPEN (P30 Series)
L26 OPEN (P33 Series)



MAIN PWB ASS'Y (8/28)
[Douglas Flash & CI Interface]
HU-71100005

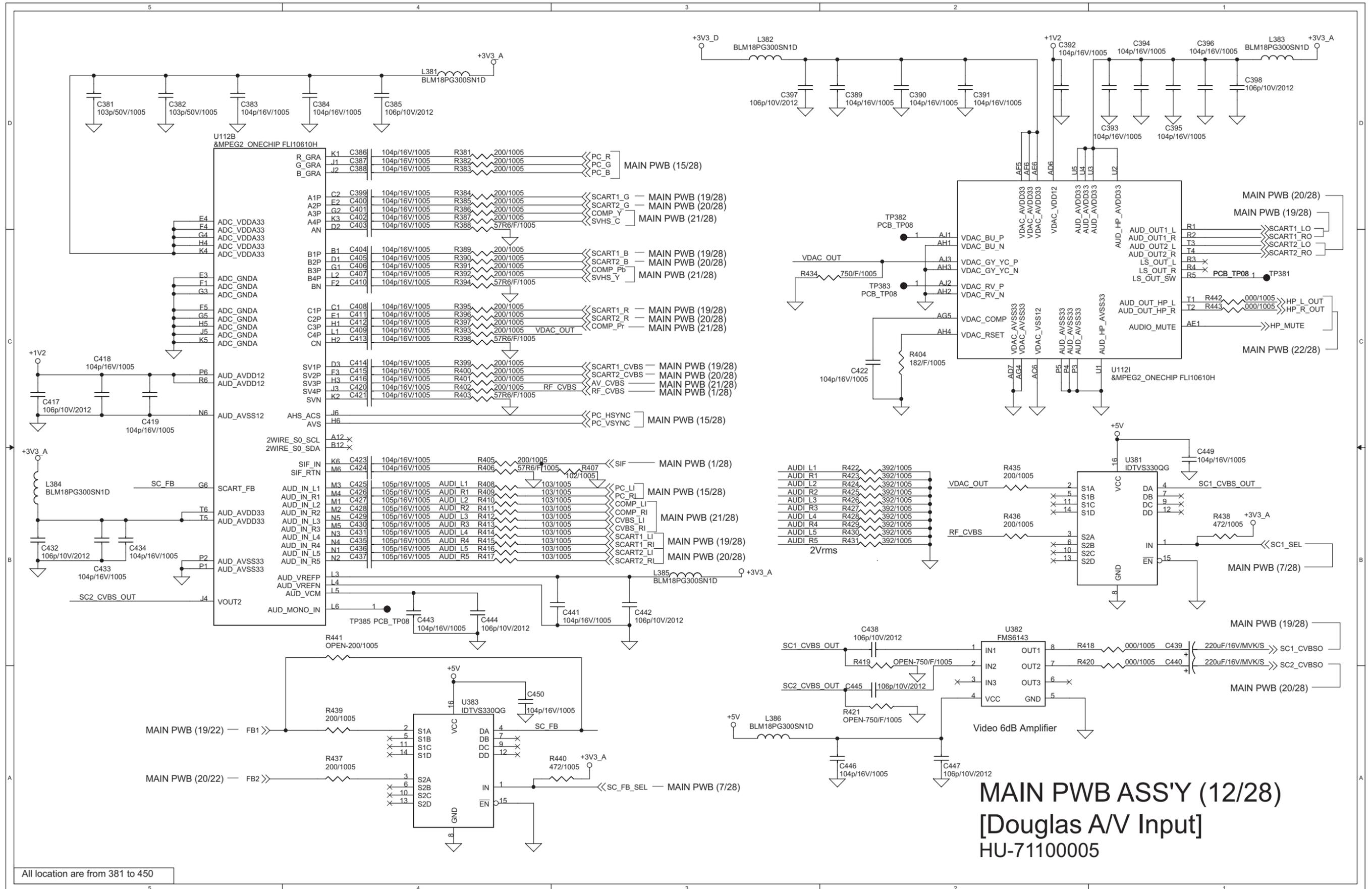
MAIN PWB CIRCUIT DIAGRAM (11/28) [DDR2 Memory]



MAIN PWB ASS'Y (11/28)
[DDR2 Memory]
HU-71100005

All location are from 321 to 380

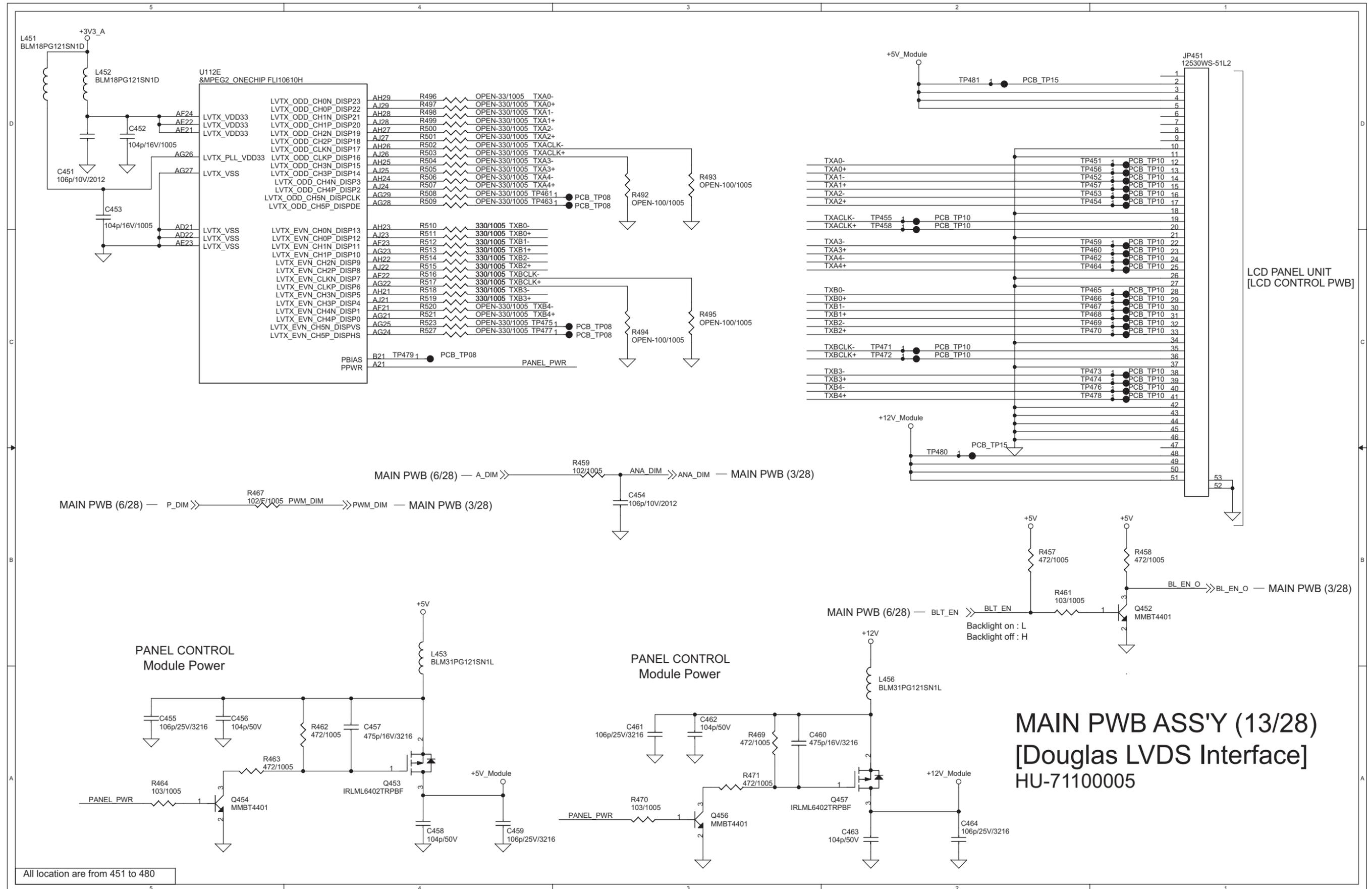
MAIN PWB CIRCUIT DIAGRAM (12/28) [Douglas A/V Input]

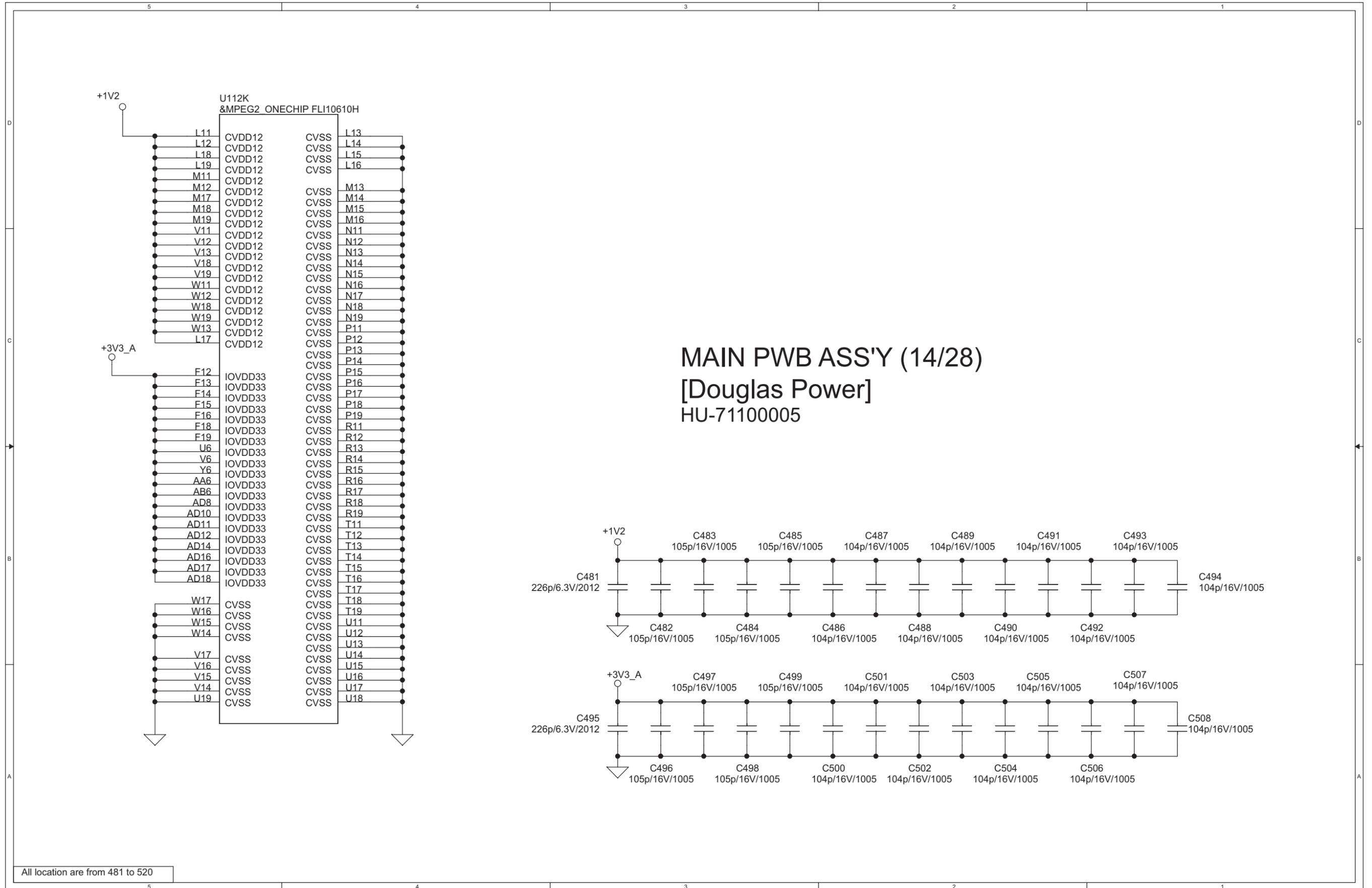


MAIN PWB ASS'Y (12/28)
[Douglas A/V Input]
HU-71100005

All location are from 381 to 450

MAIN PWB CIRCUIT DIAGRAM (13/28) [Douglas LVDS Interface]

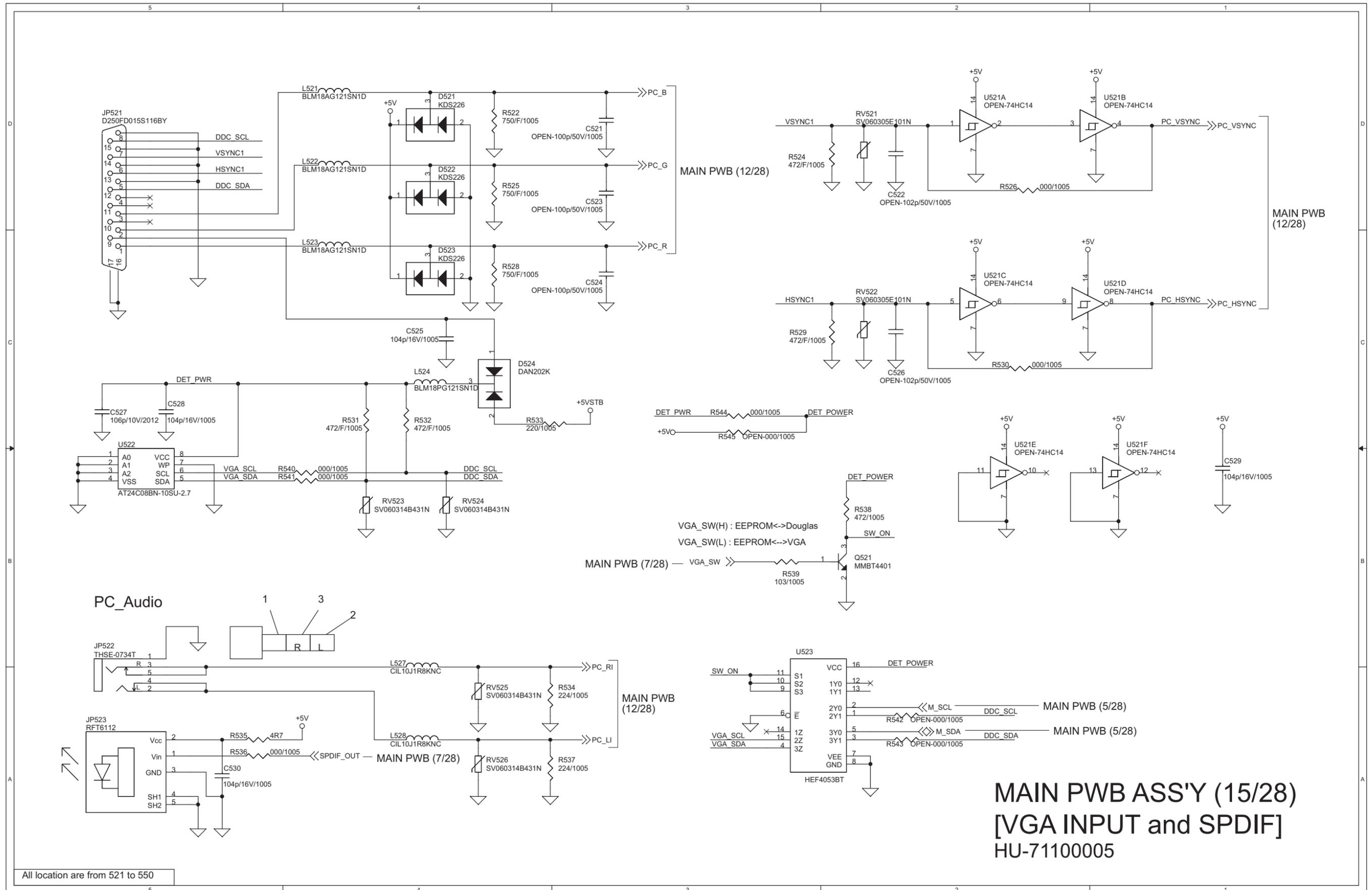




MAIN PWB ASS'Y (14/28)
[Douglas Power]
HU-71100005

All location are from 481 to 520

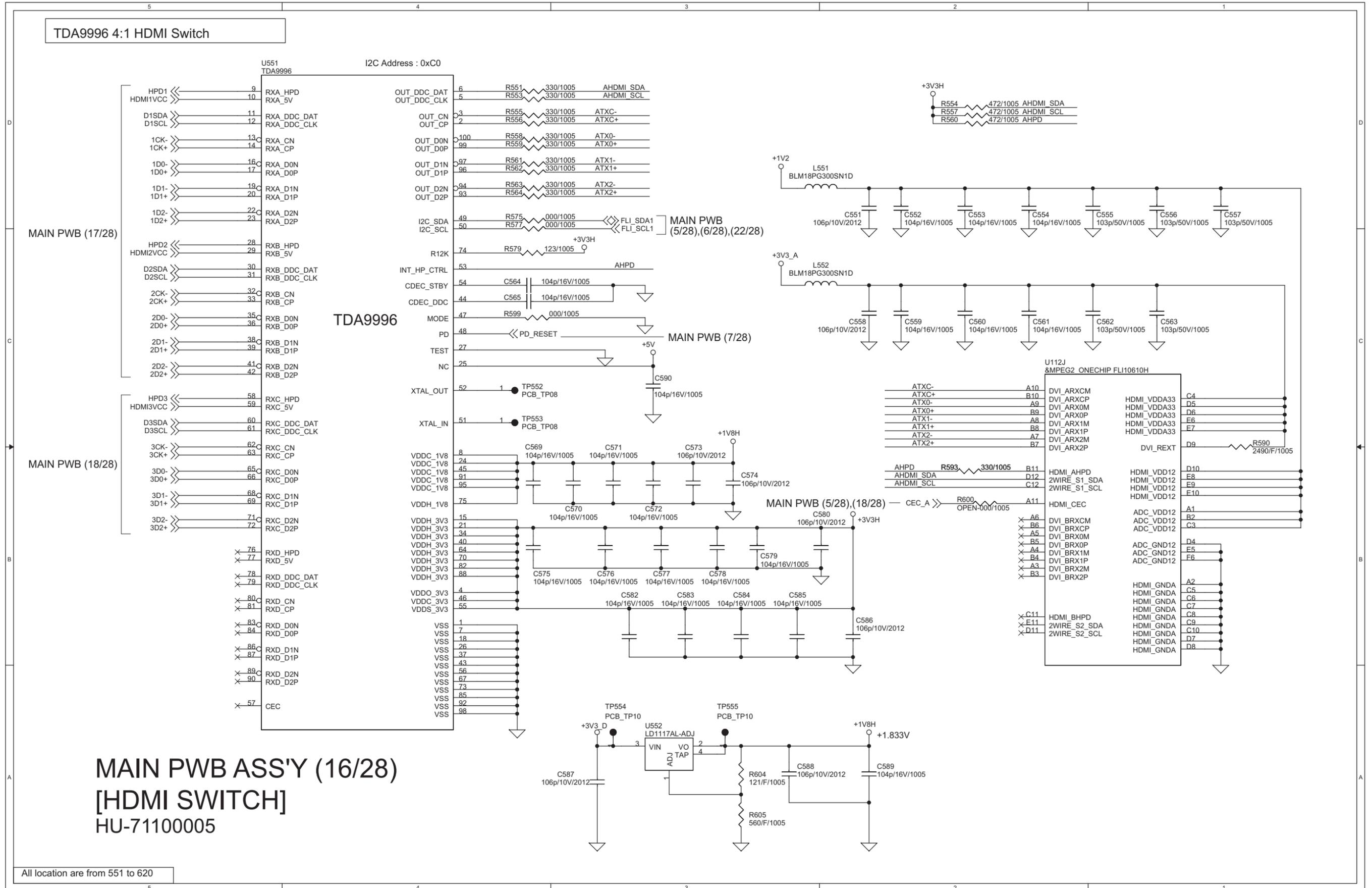
MAIN PWB CIRCUIT DIAGRAM (15/28) [VGA INPUT and SPDIF]



All location are from 521 to 550

MAIN PWB ASS'Y (15/28)
[VGA INPUT and SPDIF]
HU-71100005

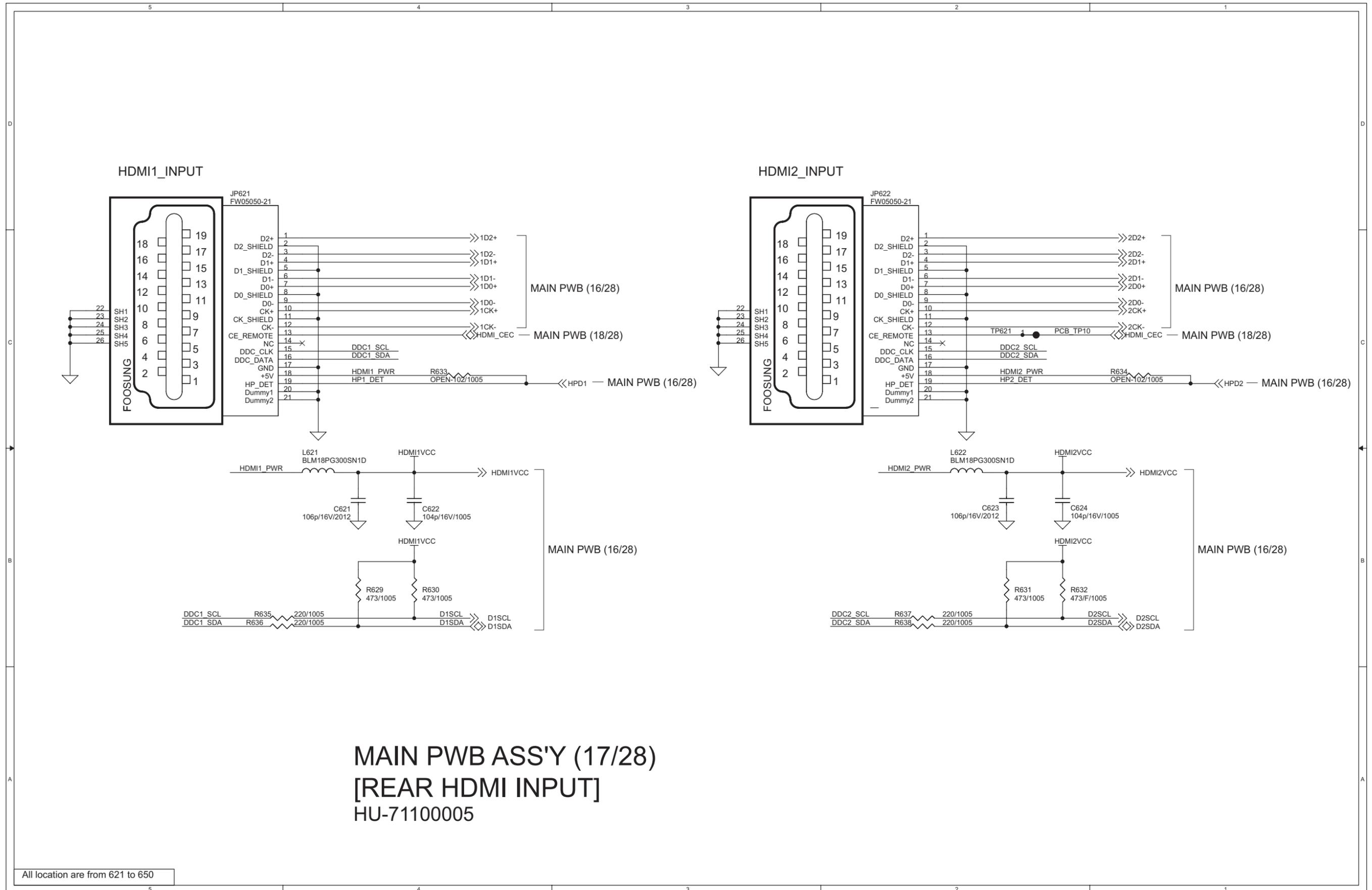
MAIN PWB CIRCUIT DIAGRAM (16/28) [HDMI SWITCH]



MAIN PWB ASS'Y (16/28)
[HDMI SWITCH]
HU-71100005

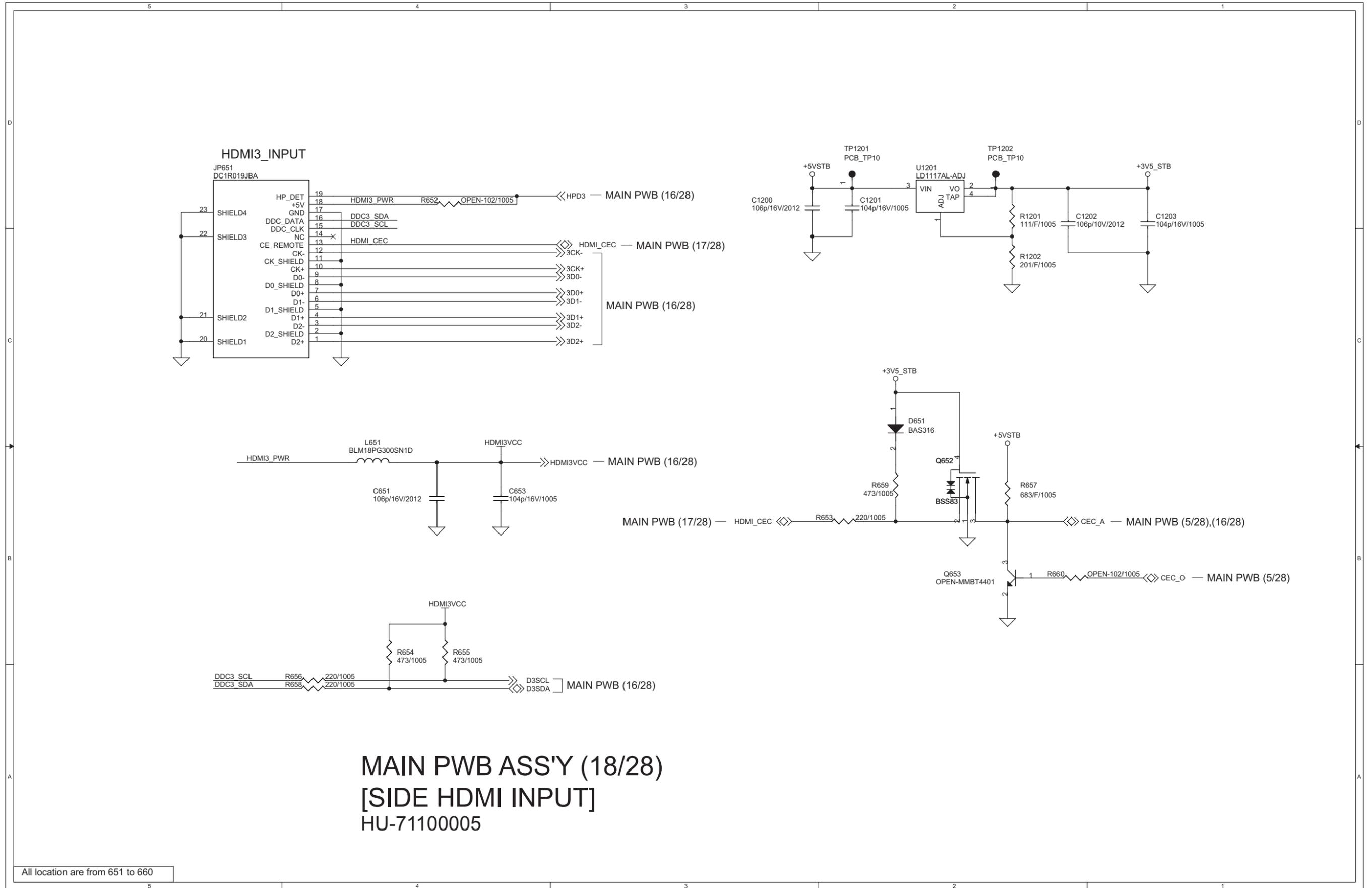
All location are from 551 to 620

MAIN PWB CIRCUIT DIAGRAM (17/28) [REAR HDMI INPUT]



MAIN PWB ASS'Y (17/28)
[REAR HDMI INPUT]
HU-71100005

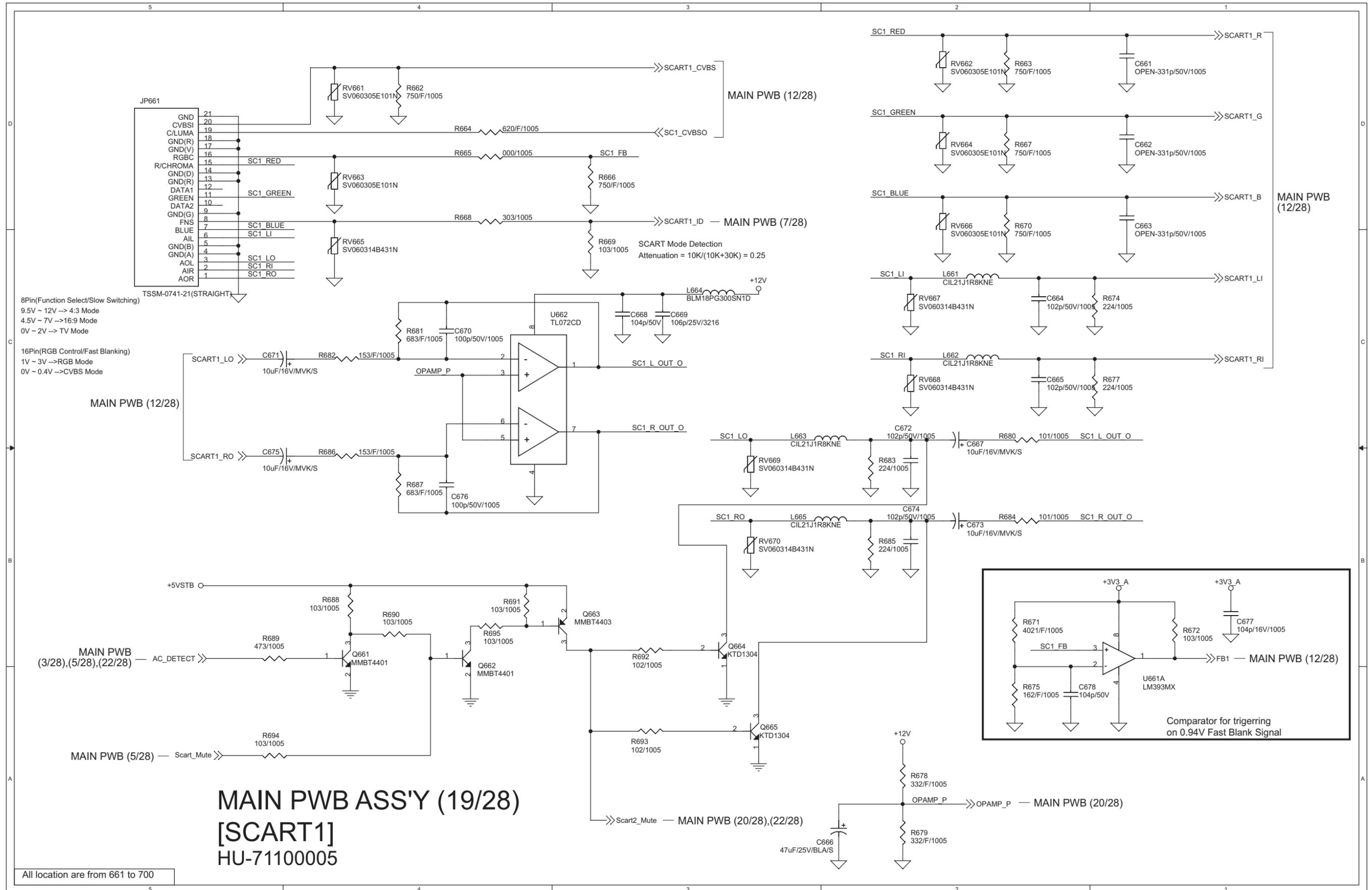
All location are from 621 to 650



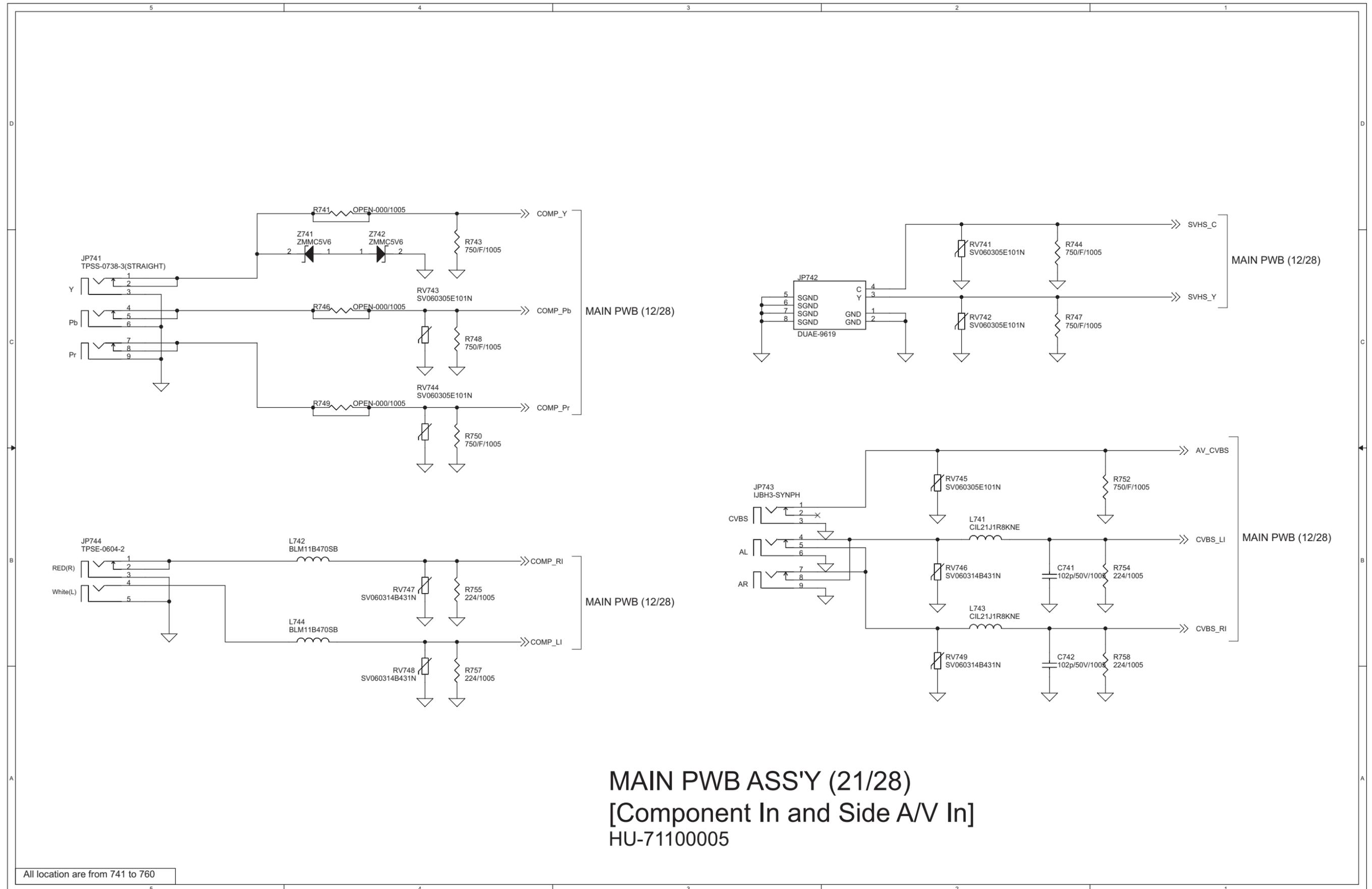
MAIN PWB ASS'Y (18/28)
[SIDE HDMI INPUT]
HU-71100005

All location are from 651 to 660

MAIN PWB CIRCUIT DIAGRAM (19/28) [SCART1]



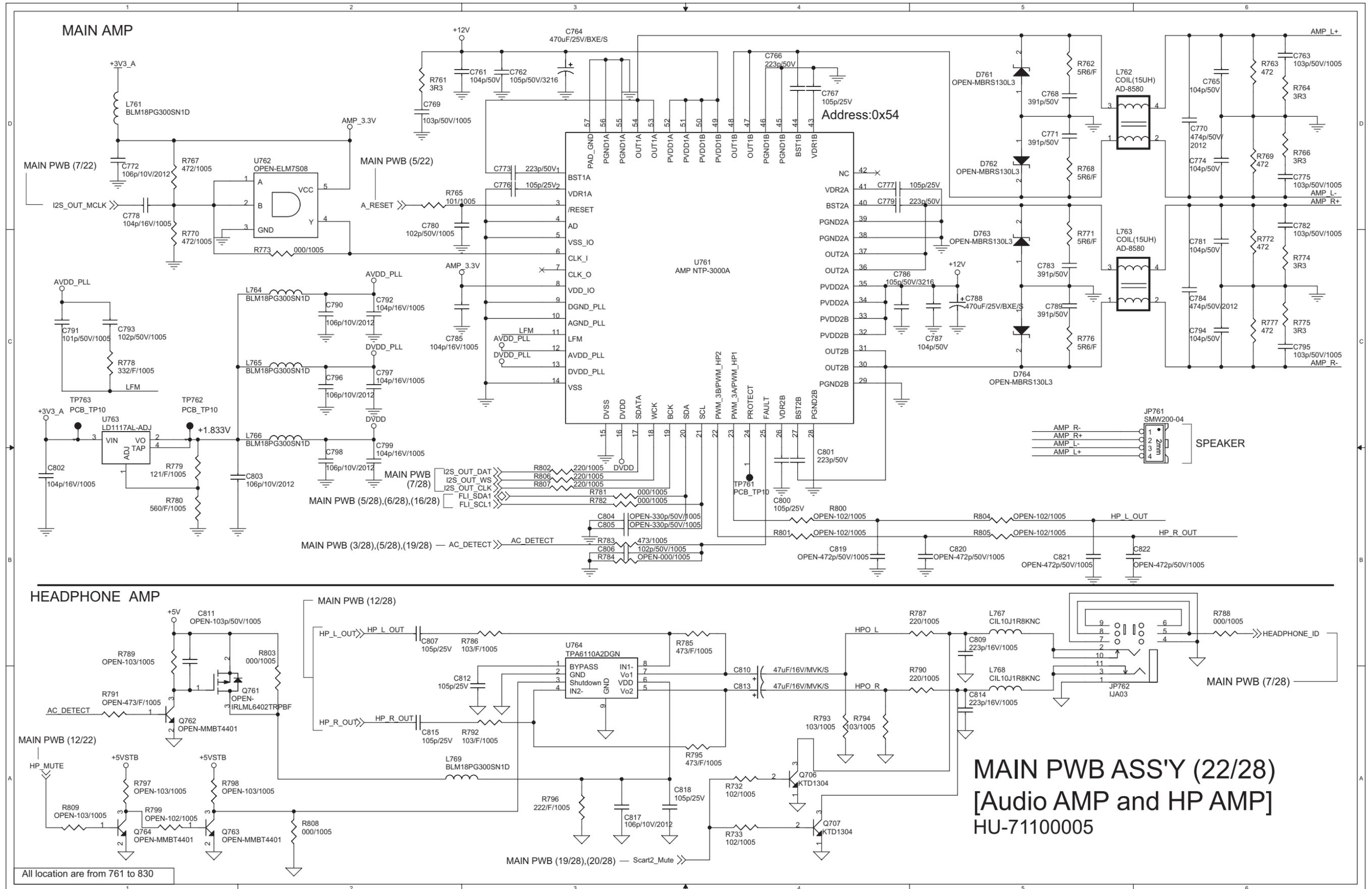
All location are from 661 to 700



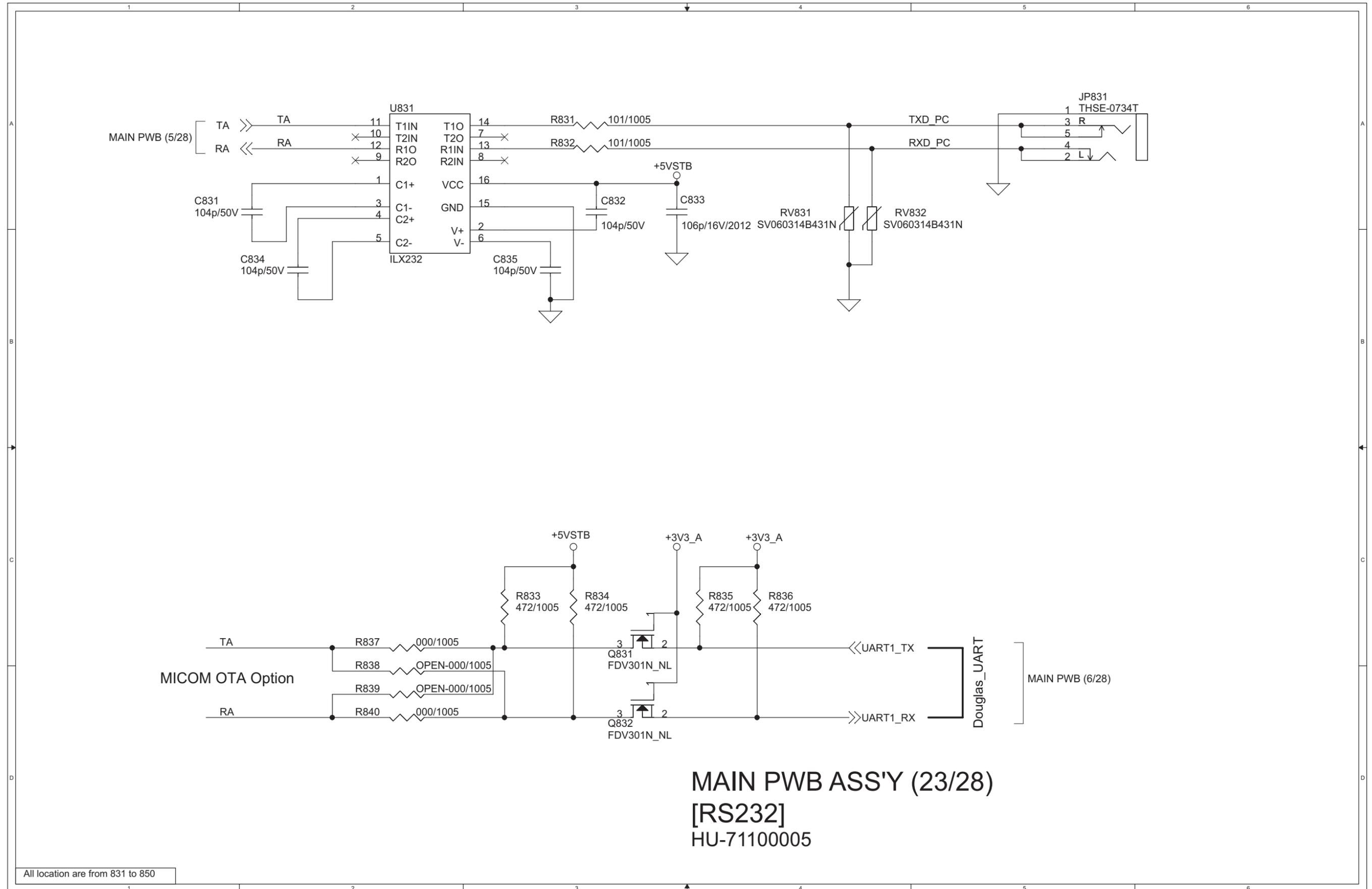
All location are from 741 to 760

MAIN PWB ASS'Y (21/28)
[Component In and Side A/V In]
 HU-71100005

MAIN PWB CIRCUIT DIAGRAM (22/28) [Audio AMP and HP AMP]



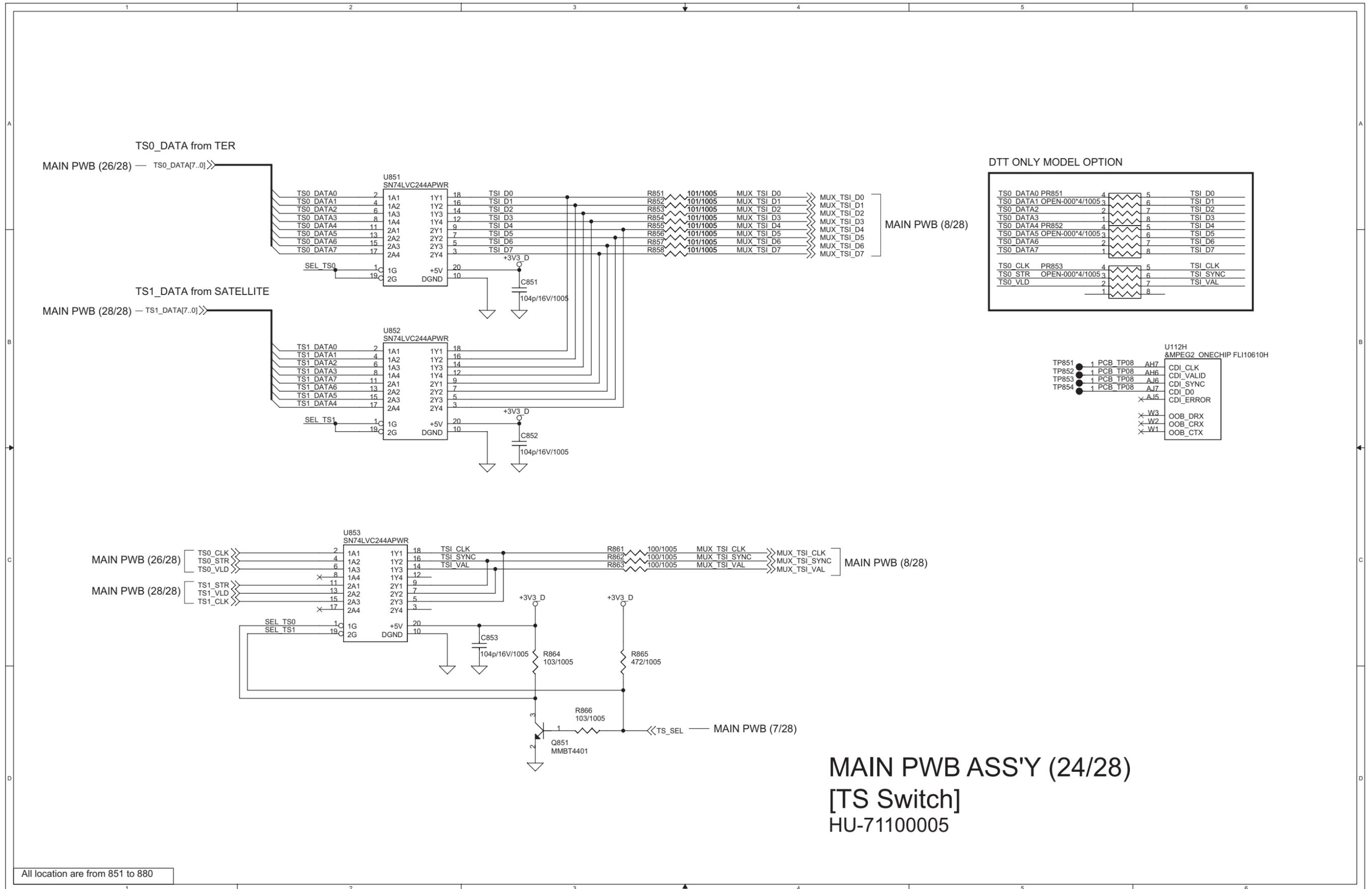
MAIN PWB ASS'Y (22/28)
[Audio AMP and HP AMP]
HU-71100005



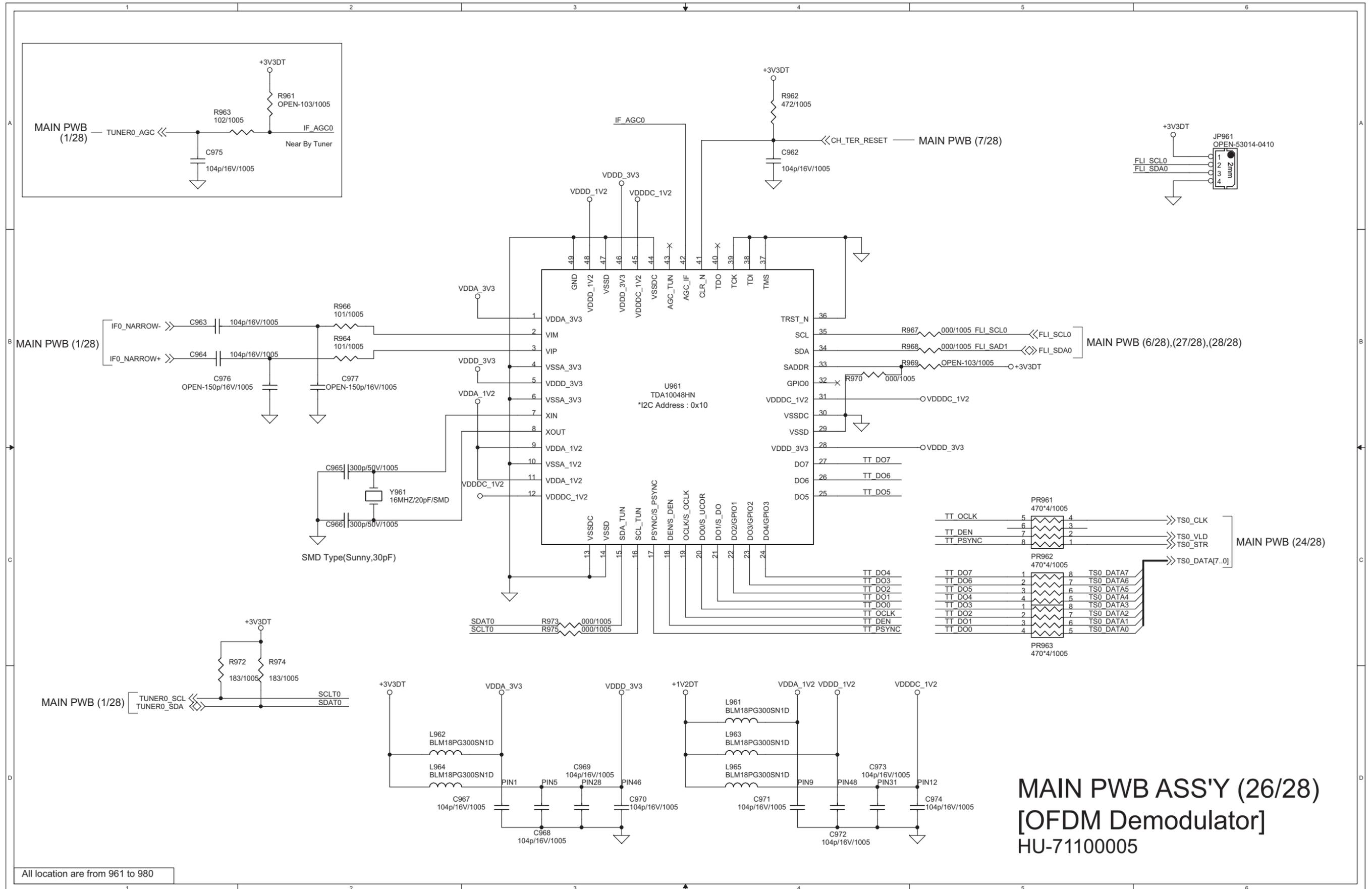
MAIN PWB ASS'Y (23/28)
[RS232]
HU-71100005

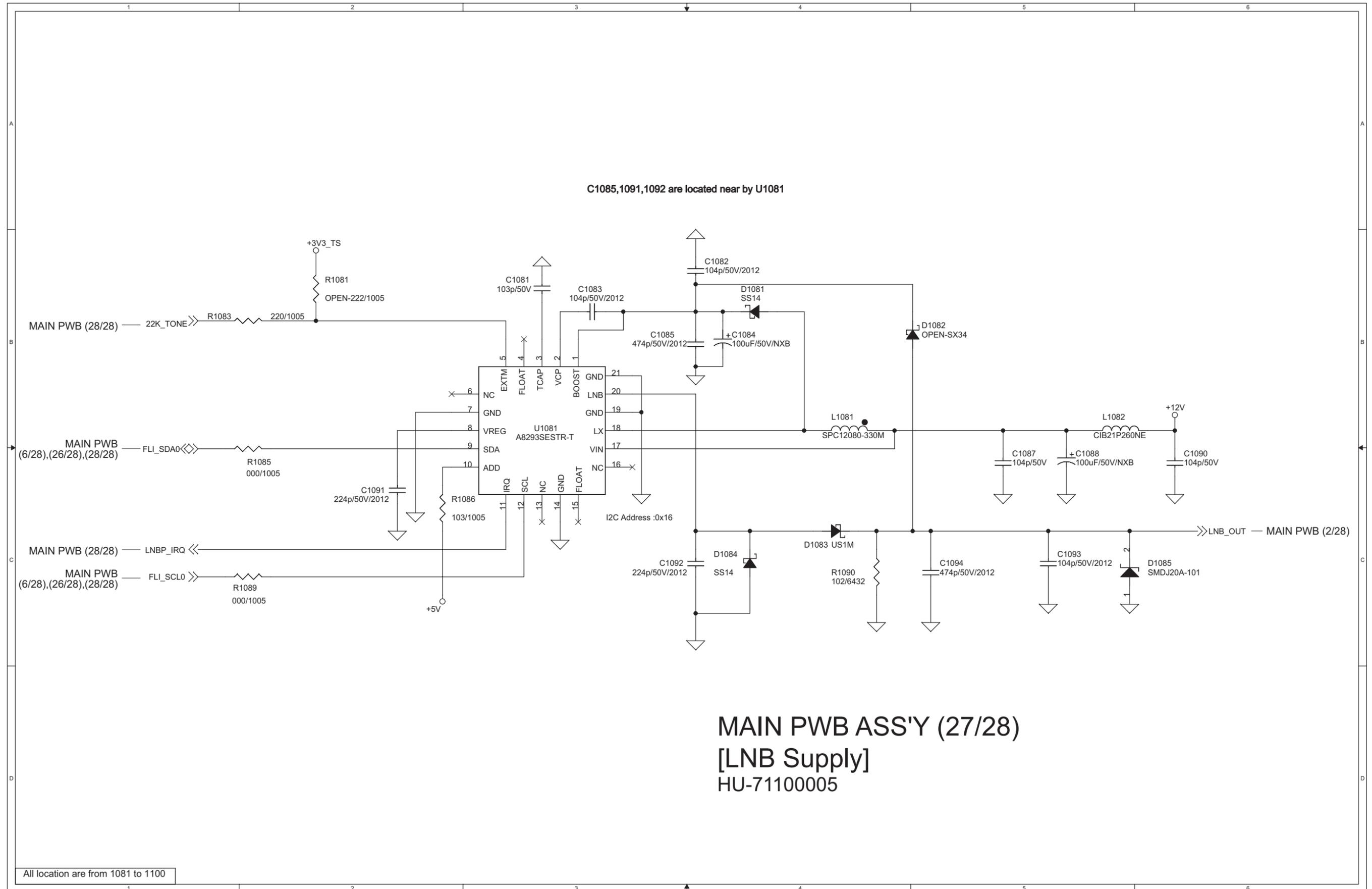
All location are from 831 to 850

MAIN PWB CIRCUIT DIAGRAM (24/28) [TS Switch]

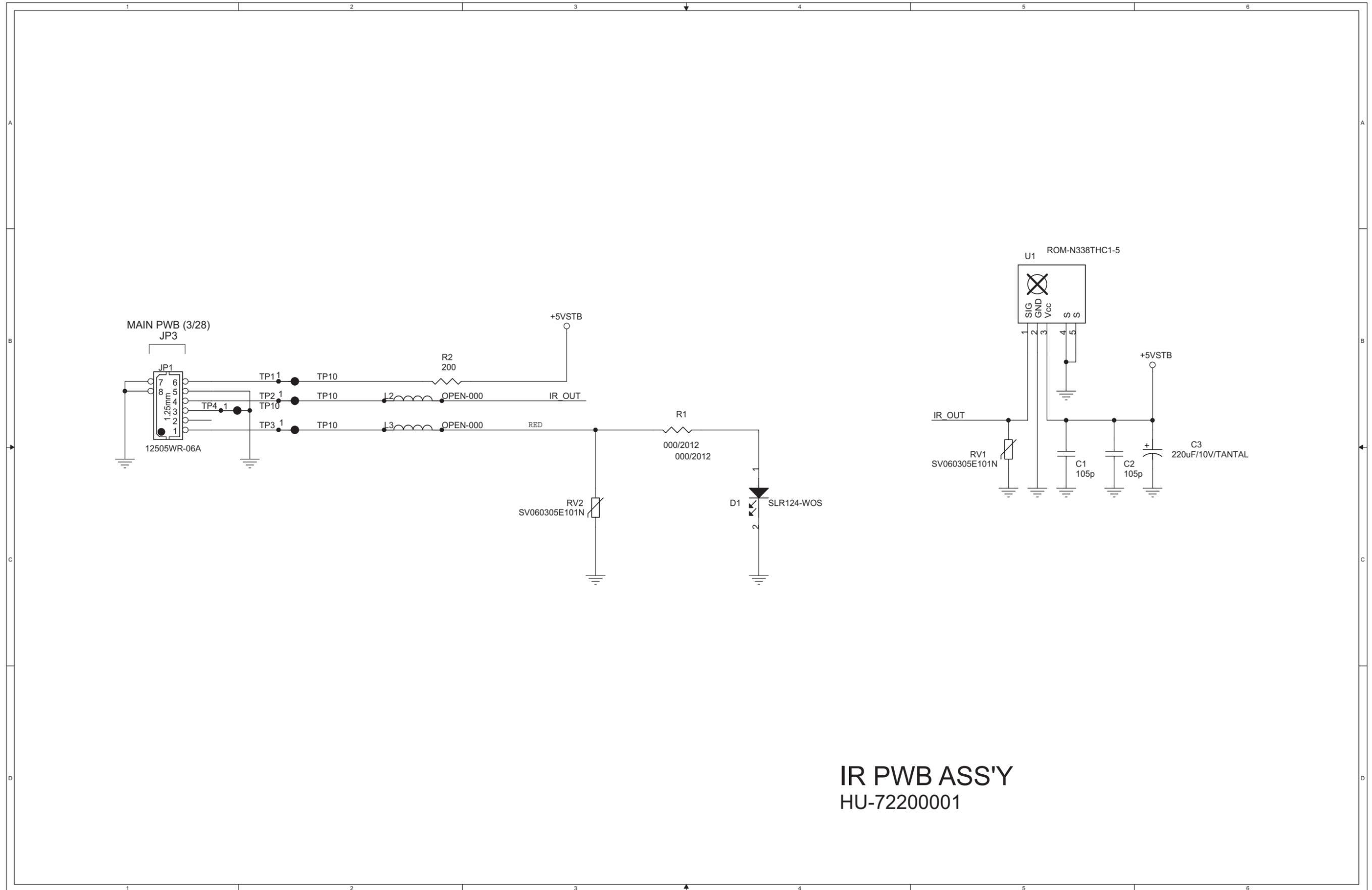


MAIN PWB CIRCUIT DIAGRAM (26/28) [OFDM Demodulator]



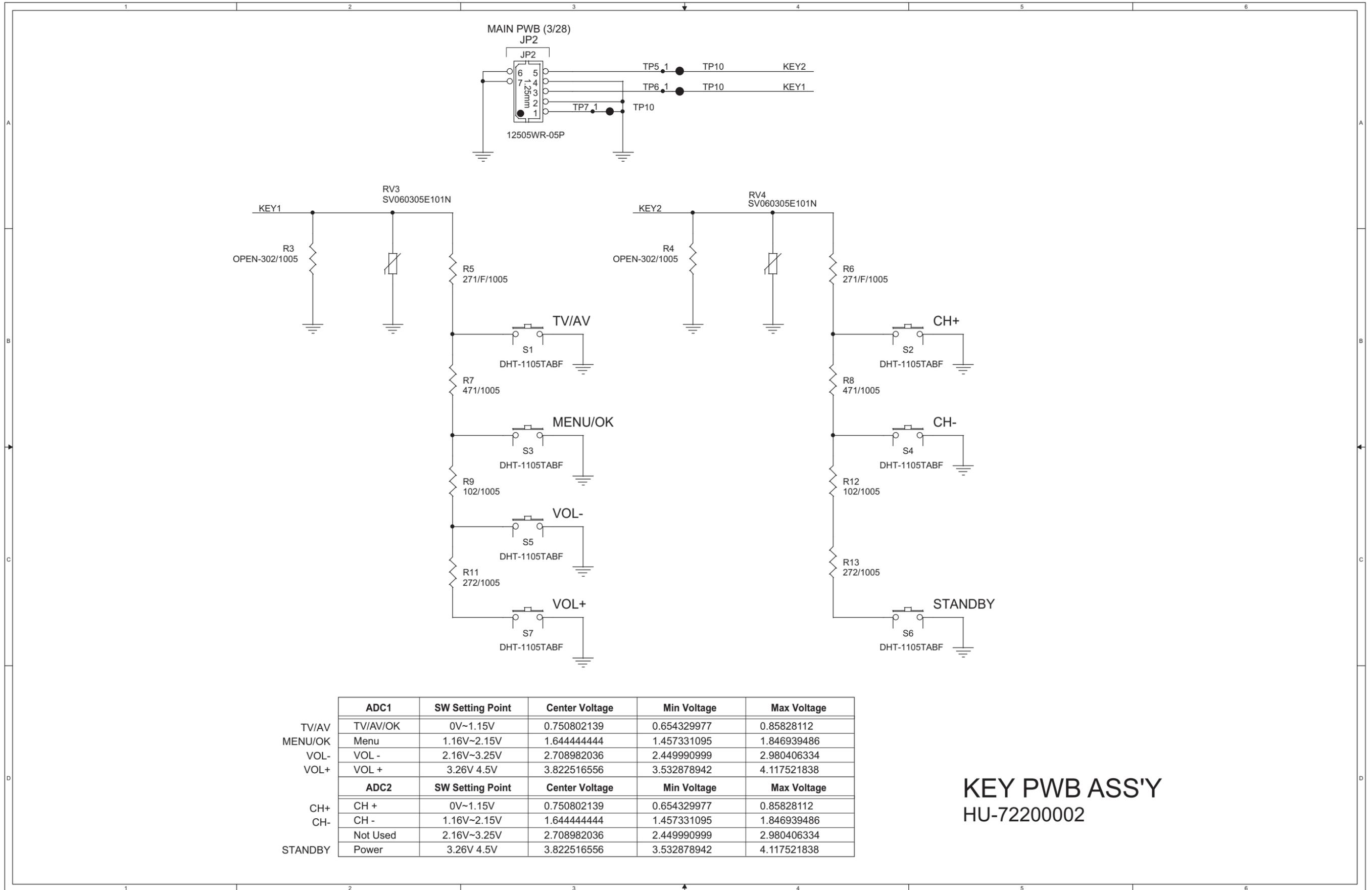


IR PWB CIRCUIT DIAGRAM



IR PWB ASS'Y
HU-72200001

KEY PWB CIRCUIT DIAGRAM

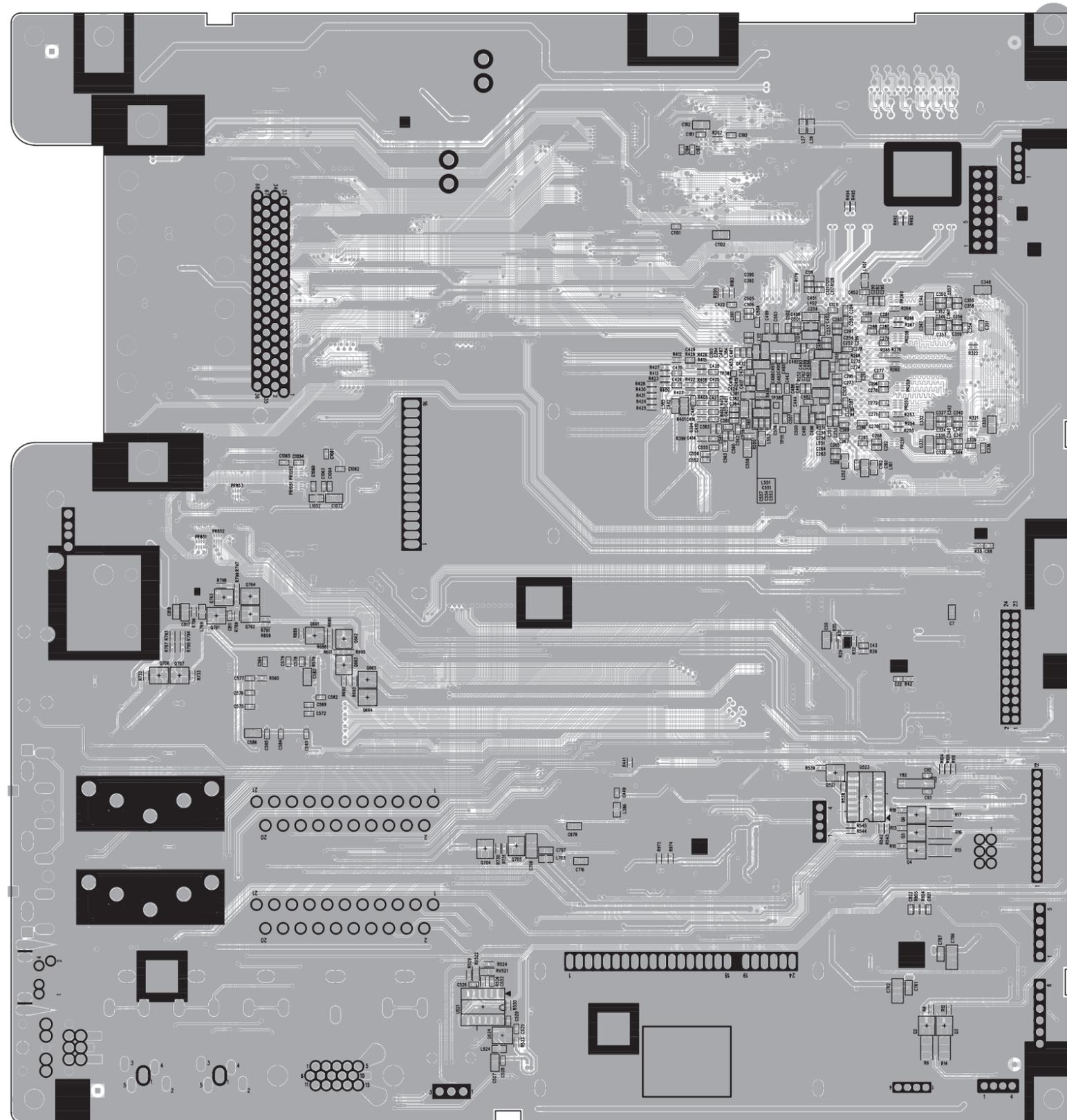


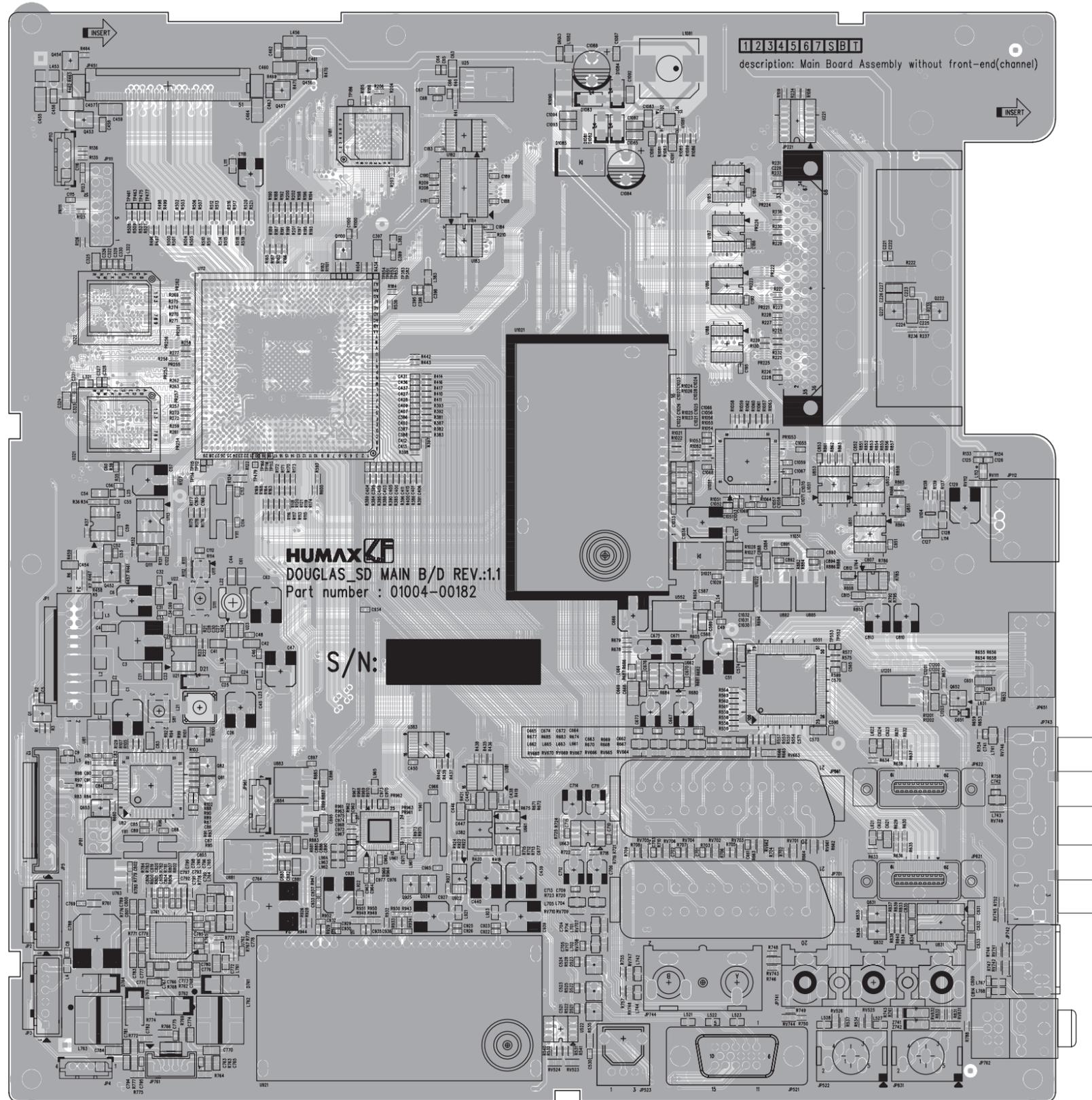
	ADC1	SW Setting Point	Center Voltage	Min Voltage	Max Voltage
TV/AV	TV/AV/OK	0V~1.15V	0.750802139	0.654329977	0.85828112
MENU/OK	Menu	1.16V~2.15V	1.644444444	1.457331095	1.846939486
VOL-	VOL -	2.16V~3.25V	2.708982036	2.449990999	2.980406334
VOL+	VOL +	3.26V 4.5V	3.822516556	3.532878942	4.117521838
	ADC2	SW Setting Point	Center Voltage	Min Voltage	Max Voltage
CH+	CH +	0V~1.15V	0.750802139	0.654329977	0.85828112
CH-	CH -	1.16V~2.15V	1.644444444	1.457331095	1.846939486
	Not Used	2.16V~3.25V	2.708982036	2.449990999	2.980406334
STANDBY	Power	3.26V 4.5V	3.822516556	3.532878942	4.117521838

KEY PWB ASS'Y
HU-72200002

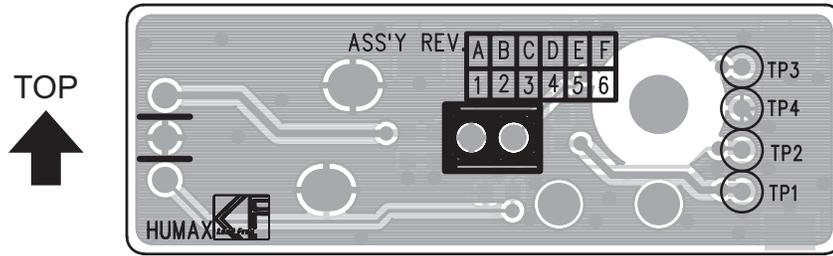
PATTERN DIAGRAMS
MAIN PWB PATTERN [SOLDER SIDE]

TOP
↑

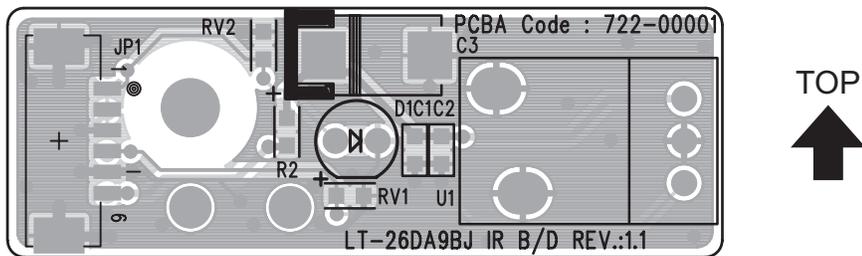




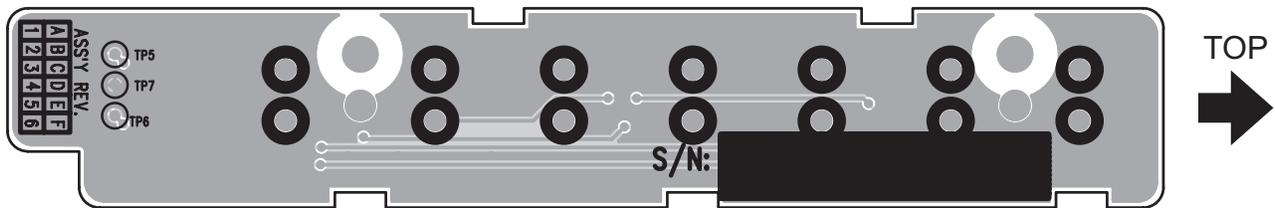
IR PWB PATTERN [SOLDER SIDE]



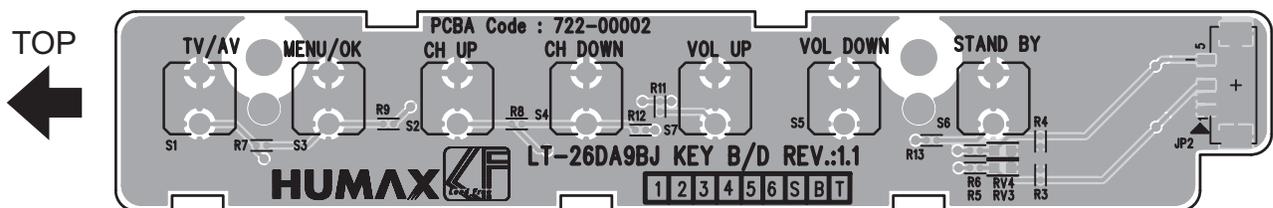
IR PWB PATTERN [PARTS SIDE]



KEY PWB PATTERN [SOLDER SIDE]



KEY PWB PATTERN [PARTS SIDE]





Victor Company of Japan, Limited

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

(No.YA698<Rev.001>)

Printed in Japan
VSE