



Service Manual

Party Box 200 & Party Box 300

SKU: JBLPARTYBOX200AS, JBLPARTYBOX200BR, JBLPARTYBOX200CN, JBLPARTYBOX200EU, JBLPARTYBOX200IN, JBLPARTYBOX200JN, JBLPARTYBOX200RU, JBLPARTYBOX200AM, JBLPARTYBOX300AS, JBLPARTYBOX300BR, JBLPARTYBOX300CN, JBLPARTYBOX300EU, JBLPARTYBOX300IN, JBLPARTYBOX300JN, JBLPARTYBOX300RU, JBLPARTYBOX300AM



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TECHNICAL SPECIFICATIONS

- AC power input: 100–240V ~ 50/60Hz
- DC power input: 12V 8A
- Built-in battery: Li-ion 10.4Ah, 7.2V (PartyBox 300)
- Power consumption: 60W
- Standby power consumption: <2W with BT connecting;<0.5W without BT connecting
- USB output: 5V 2.1A
- Speaker drivers: 2 woofer + 3 tweeter
- Speaker impedance: 4 ohm
- Total output power: 120 W RMS
- Frequency response: 45 Hz – 18 KHz (–6dB)
- Signal-to-noise (S/N) ratio: 65 dBA
- Input sensitivity:
- AUX in: 500mV rms (RCA connector);250mV rms (3.5mm connector)
- Digital input: Bluetooth/USB –12dBFS
- Bluetooth version: 4.2
- Bluetooth profile: A2DP, AVRCP
- Bluetooth transmitter frequency range: 2402–2480MHz
- Bluetooth maximum transmitter power: 8dBm (EIRP)
- Bluetooth transmitter modulation: GFSK, $\pi/4$ DQPSK, 8DPSK
- Bluetooth range: Approx. 10 m (33 feet)
- USB file system: FAT16, FAT32
- USB file format: .mp3, .wma, .wav
- Dimensions (W x H x D): 330 x 688 x 323 mm /13 x 27 x 12.7 in
- Net weight:
- PartyBox 300: 15.4 kg (34 lbs);

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, or the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
15. Do not expose this apparatus to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the apparatus.
16. To completely disconnect this apparatus from the AC Mains, disconnect the power supply cord plug from the AC receptacle.
17. The mains plug of the power supply cord shall remain readily operable.
18. Do not expose batteries to excessive heat such as sunshine, fire or the like.



CAUTION

RISK OF ELECTRIC SHOCK. DO NOT OPEN.



THE LIGHTNING FLASH WITH AN ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE PRODUCT.

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

For Products That Transmit and Receive RF Energy:

FCC Regulations (USA Only)

FCC Information For Users

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; and (2) this device must accept any interference received, including interference that may cause undesired operation.

Radio and Television Interference

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and then on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and receiver.
- Connect the equipment to a different outlet so that the equipment and receiver are on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE: Changes or modifications not expressly approved by Harman could void the user's authority to operate the equipment.

IC Statement and Warning (Canada Only)

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

For Canadian Model

This Class B digital apparatus complies with Canadian ICES-003.

Modèle pour les Canadien

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

For Products with Radio Receivers That Can Use an External Antenna:

CATV or Antenna Grounding

If an outside antenna or cable system is connected to this product, be certain that it is grounded so as to provide some protection against voltage surges and static charges. Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes and requirements of the grounding electrode.

Note to CATV System Installer:

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

For CD/DVD/Blu-ray Disc™ Players:

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
CLASSE 1 PRODUIT LASER

Caution:

This product uses a laser system. To prevent direct exposure to the laser beam, do not open the cabinet enclosure or defeat any of the safety mechanisms provided for your protection. DO NOT STARE INTO THE LASER BEAM. To ensure proper use of this product, please read the owner's manual carefully and retain it for future use. Should the unit require maintenance or repair, please contact your local Harman Kardon service center. Refer servicing to qualified personnel only.

For Products That Include Batteries:



Pb

Instructions for Users on Removal and Disposal of Used Batteries.

CAUTION

Risk of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Alkaline batteries are considered nonhazardous. Rechargeable batteries (i.e., nickel cadmium, nickel metal-hydride, lithium and lithium-ion) are considered hazardous household materials and may pose an unnecessary health and safety risk.

In the European Union and other locations, it is illegal to dispose of any battery with household trash. All batteries must be disposed of in an environmentally sound manner. Contact your local waste management officials for information regarding the environmentally sound collection, recycling and disposal of used batteries.

To remove the batteries from your equipment or remote control, reverse the procedure described for inserting batteries in the owner's manual.

For products with a built-in battery that lasts for the lifetime of the product, removal may not be possible for the user. In this case, recycling or recovery centers handle the dismantling of the product and the removal of the battery. If, for any reason, it becomes necessary to replace such a battery, this procedure must be performed by authorized service centers.

ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field effect transistors and semiconductor "chip" components.

The following techniques should be used to help reduce the incidence of component damage caused by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed for potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge build-up or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charge sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material.)
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

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

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

PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing.

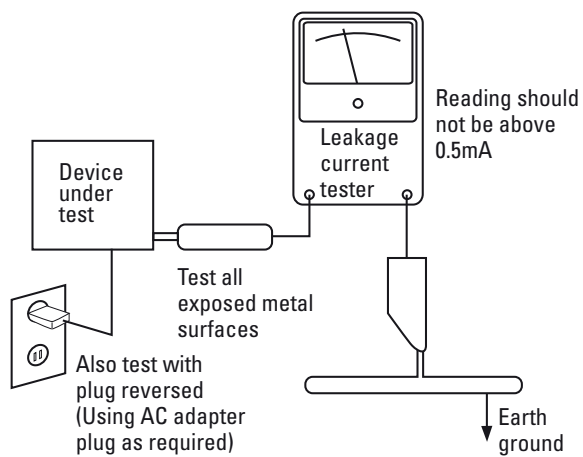
Components identified with the IEC symbol  in the parts list are of special significance to safety. When replacing a component identified with , use only the replacement parts designated, or parts with the same ratings or resistance, wattage, or voltage that are designated in the parts list in this manual. Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5mA.



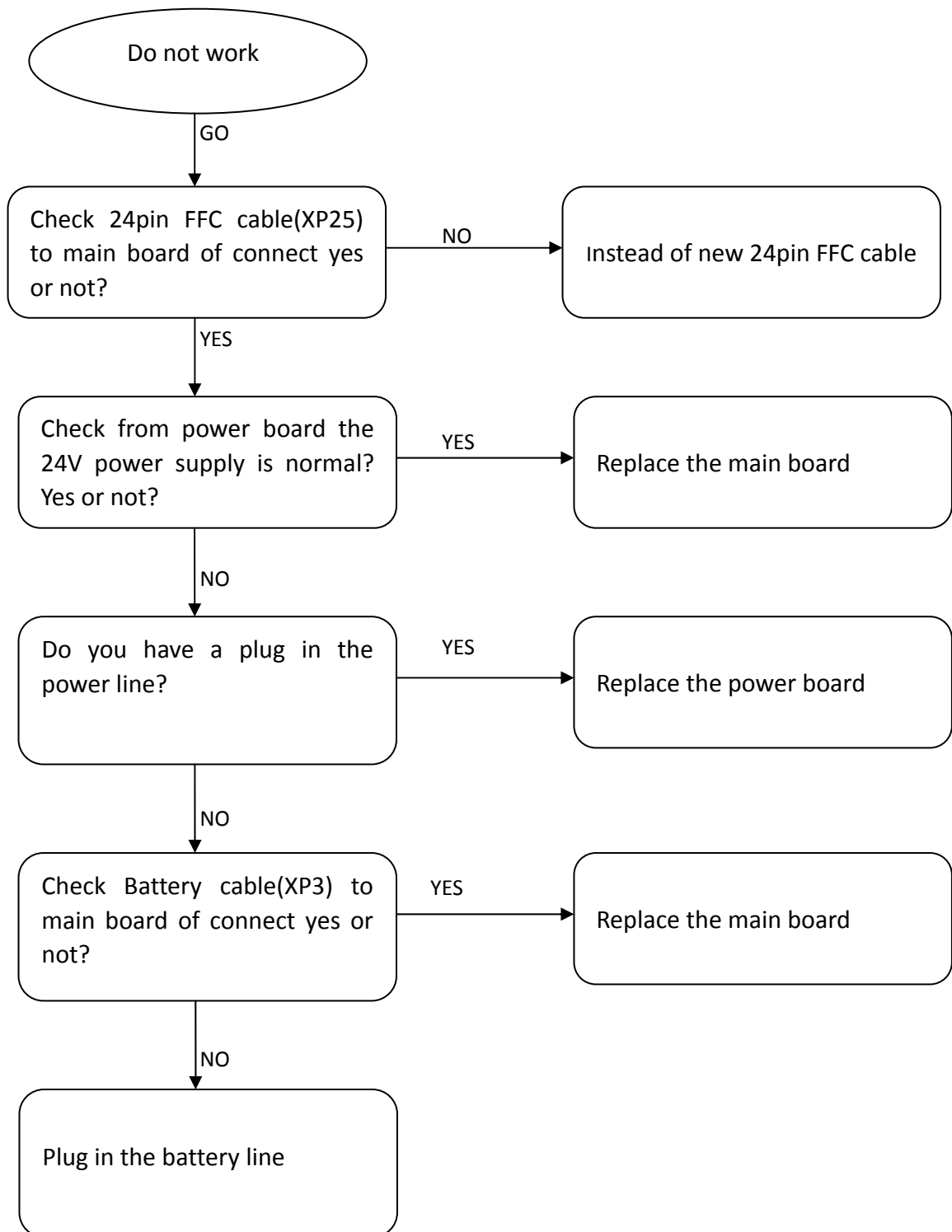
AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

Software Upgrade Procedure

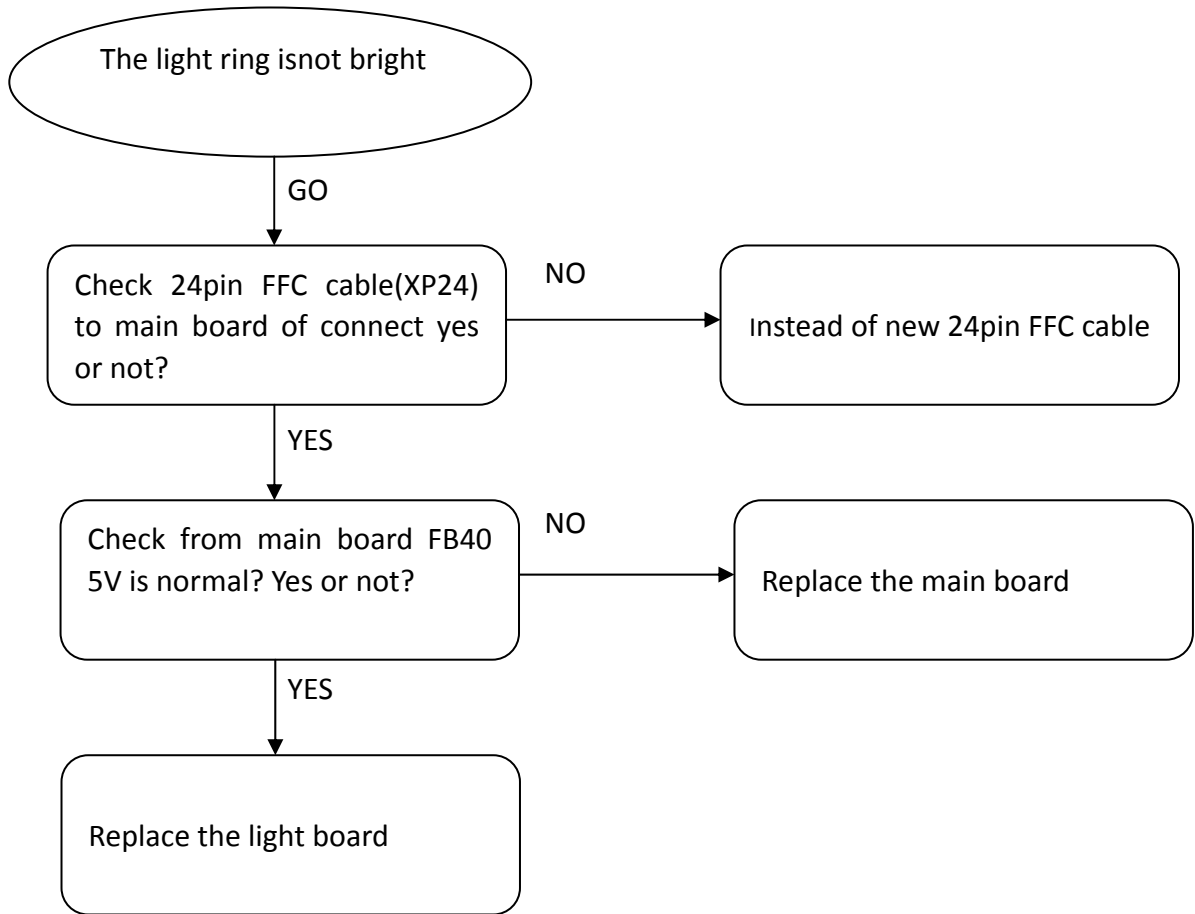
1. Put the "Harman_G1.HUI" to the root directory of U disk, and plug the U disk into USB port of machine.
2. Turn on the machine, make sure it is working.
3. Press and hold the "BT" key and "Vol+" key for 10s until the LED show white.
4. It is updating when the machine front LED show white. If it failed to upgrade, the front LED will show red. You need to restart from the step 1.
5. The machine front LED will show green after upgrade successfully and restart automatically.
6. Please press and hold the "BASS BOOST" key and "Vol-" key for 2s,to check the version number.

TROUBLE SHOOTING

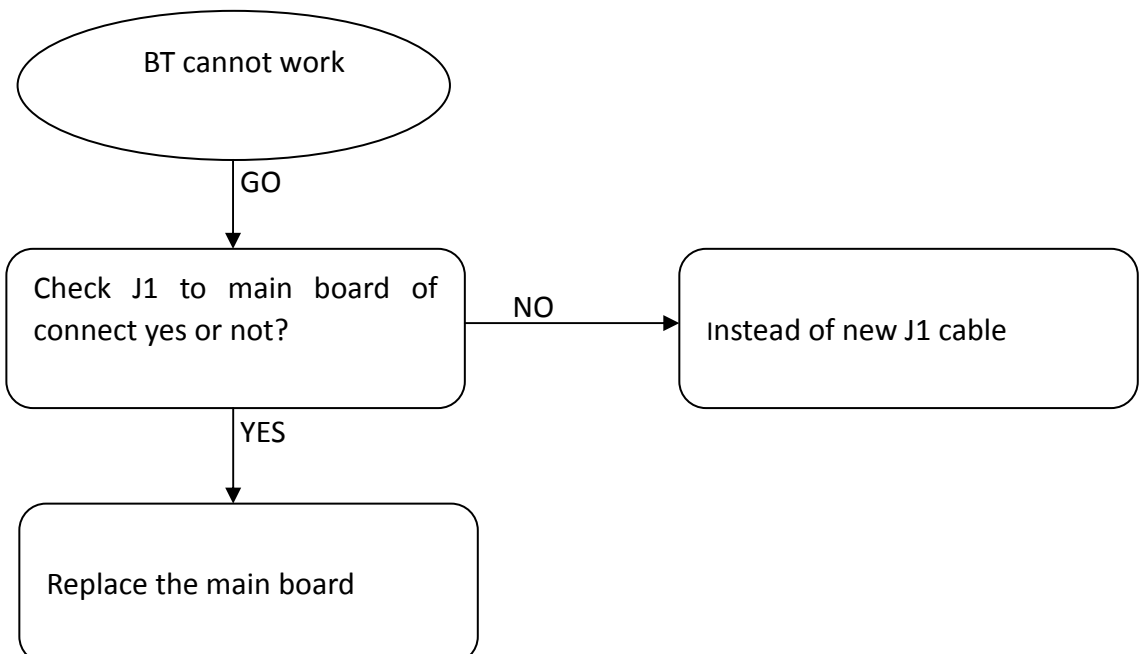


TROUBLE SHOOTING

The light ring isnot bright



BT CANNOT WORK



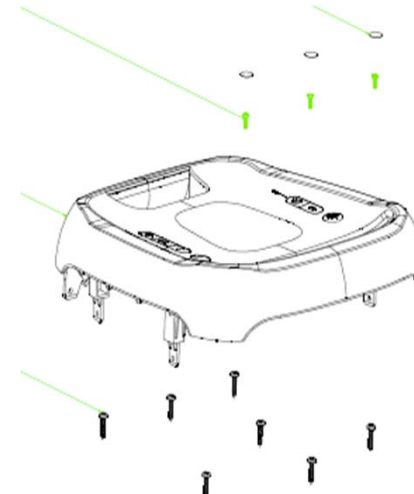
Tool list

Item	Description	Remark
1	Screw driver	
2	Screw driver	
3	Knife	“-”type knife(wrapped by tape)
4	Elcetrical screw driver	
5	Needle	



DISMANTLING INSTRUCTION

1. Dismantling top cover assy: remove the screw cover sheet 5pcs/silicone seal 1pcs/top side foot pad 4pcs by a needle. Dismantle the screw accordingly.

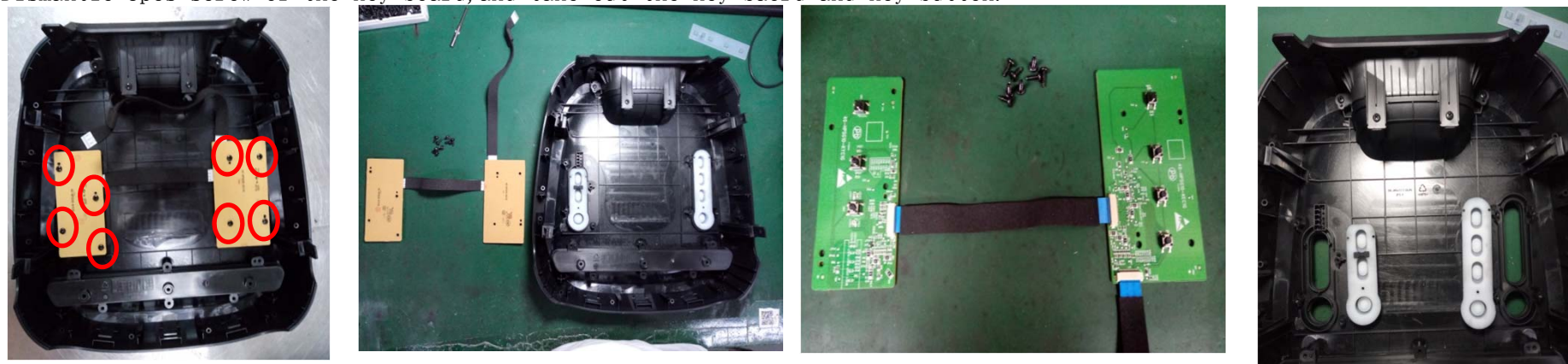


Pull out the top cover and unplug the connecting cable of main board,

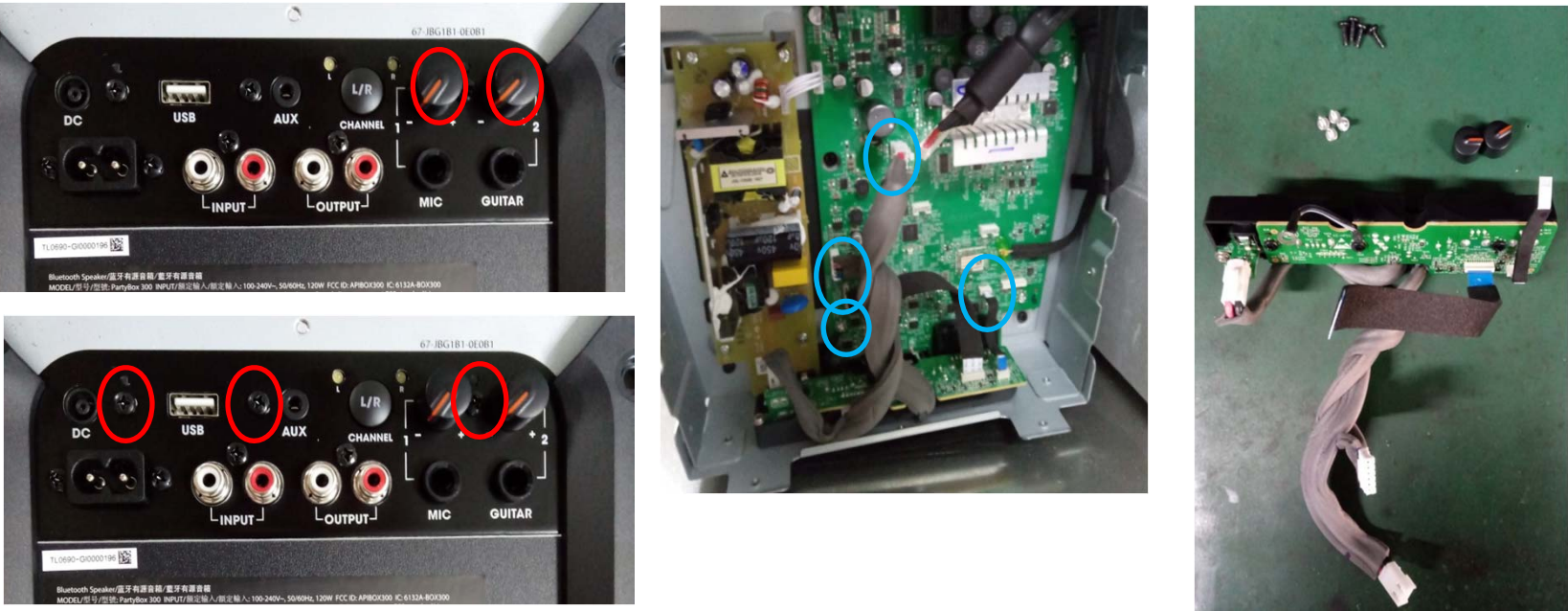


DISMANTLING INSTRUCTION

2.Dismantling top cover assy:
Dismantle 8pcs screw of the key board, and take out the key baord and key button.



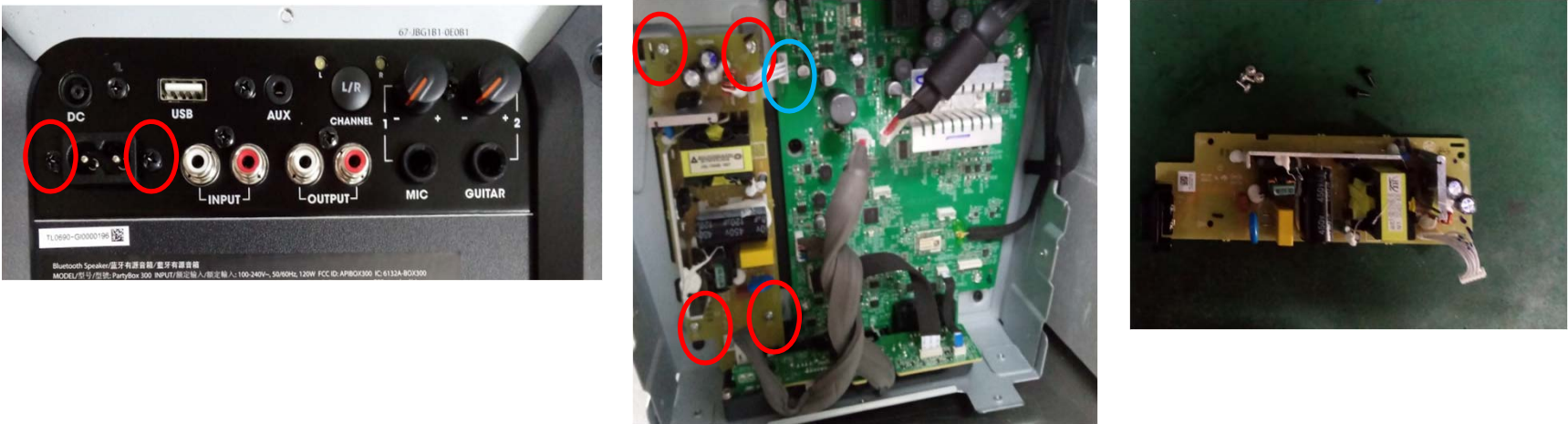
3.Dismantling terminal board:
Unplug 2pcs turn-knob and dismantle 3pcs screw on the back panel.
Unplug 4pcs cable and dismantle 1pcs screw on main board, then take out the terminal board.



DISMANTLING INSTRUCTION

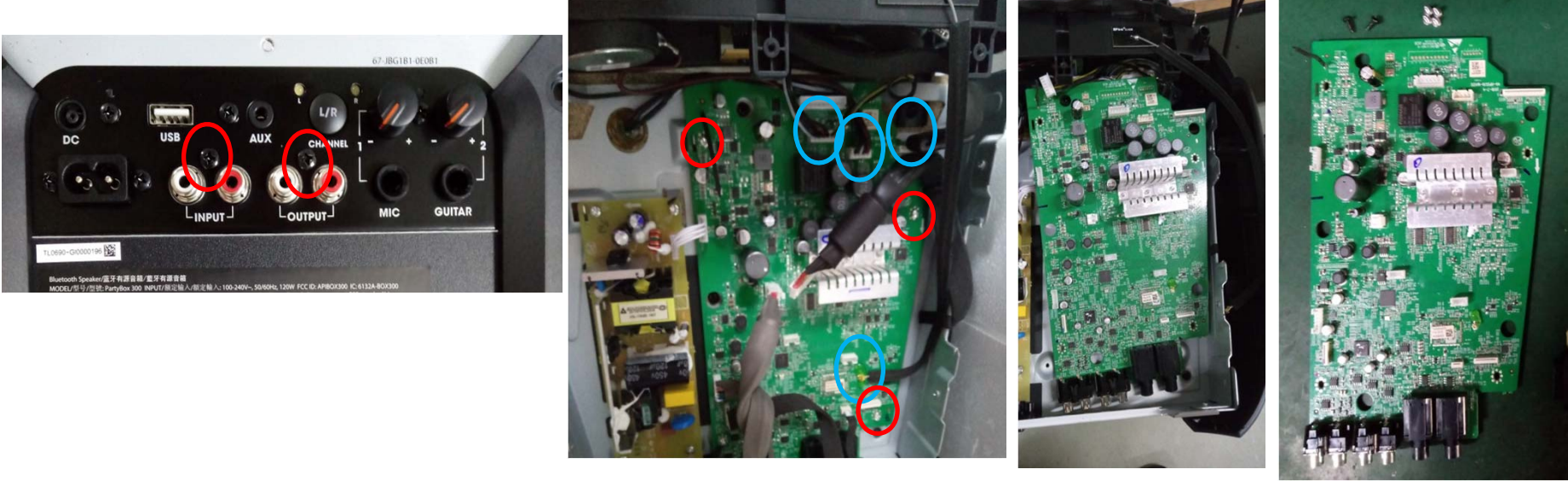
4. Dismantling power board:

Dismantle 2pcs screw on AC cord socket, unplug a cable on main board and dismantle 4pcs screw on power board. Take out the power board.



5. Dismantling main board:

Dismantle 2pcs screw on back panel, unplug 4pcs connecting cable on main board, dismantle 3pcs screw on main board. Take out the main board.



DISMANTLING INSTRUCTION

6. Dismantling side cover assy:

Remove the bottom of side foot pad and screw cover sheet, dismantle the screw accordingly then take out side cover.



7. Dismantling bottom cover assy:

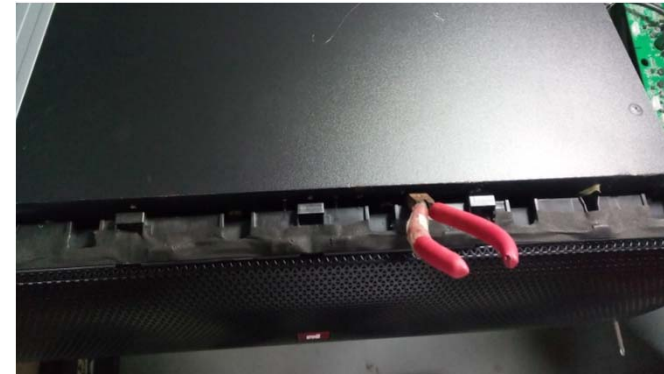
Remove 4pcs foot pad and dismantle the screw accordingly, then take out the bottom cover assy.



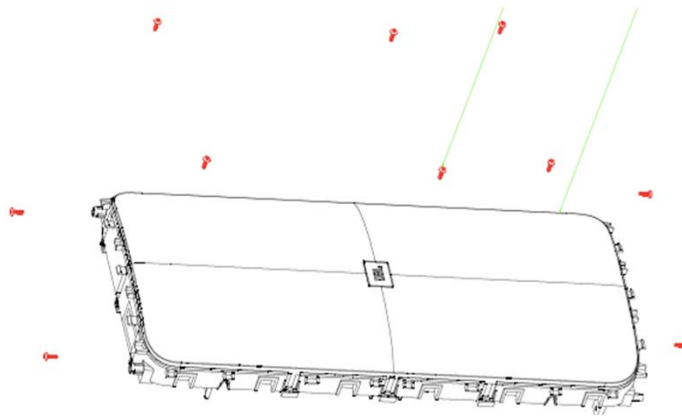
DISMANTLING INSTRUCTION

8.Dismantling front panel assy:

Dismantle 10pcs screw on front panel assy,use a straight screwdriver to separate front panel and wooden box carefully.
It's better to wrap screwdriver with fabric to avoid damage in separating process.



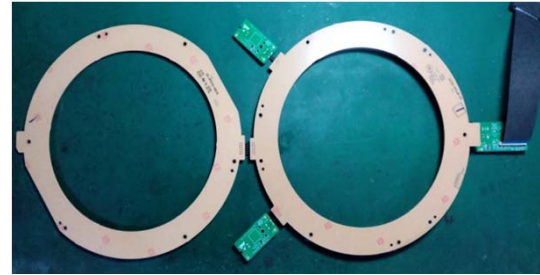
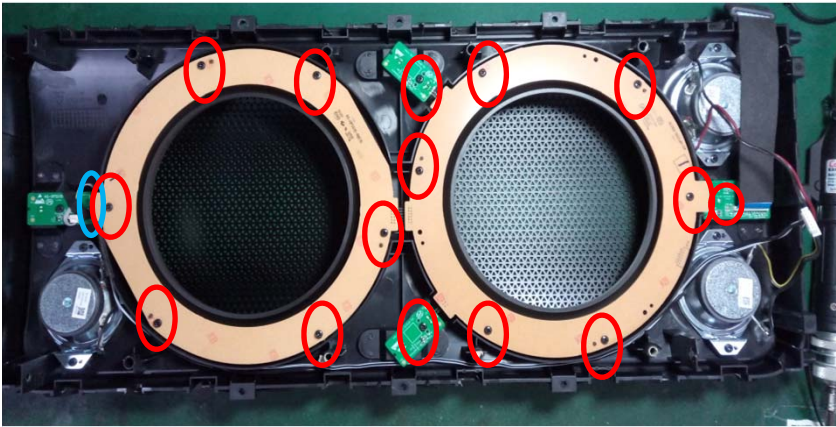
Before assemble front panel assy back with wooden box,need to clean the old glue first and replace with new PVC glue,make sure locating point matching well then assemble the front panel assy with wooden box.



DISMANTLING INSTRUCTION

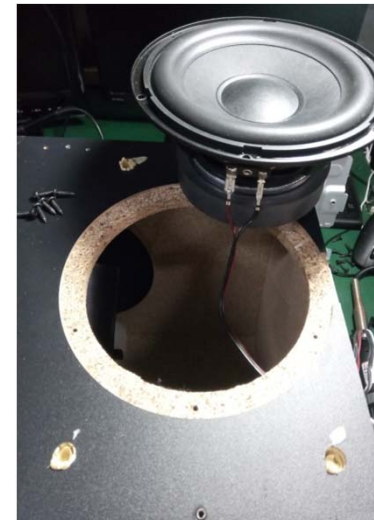
9. Dismantling front panel assy:

Unplug a cable, dismantle the screw on lamp board, then take out the board.



10. Dismantling speaker on wooden box:

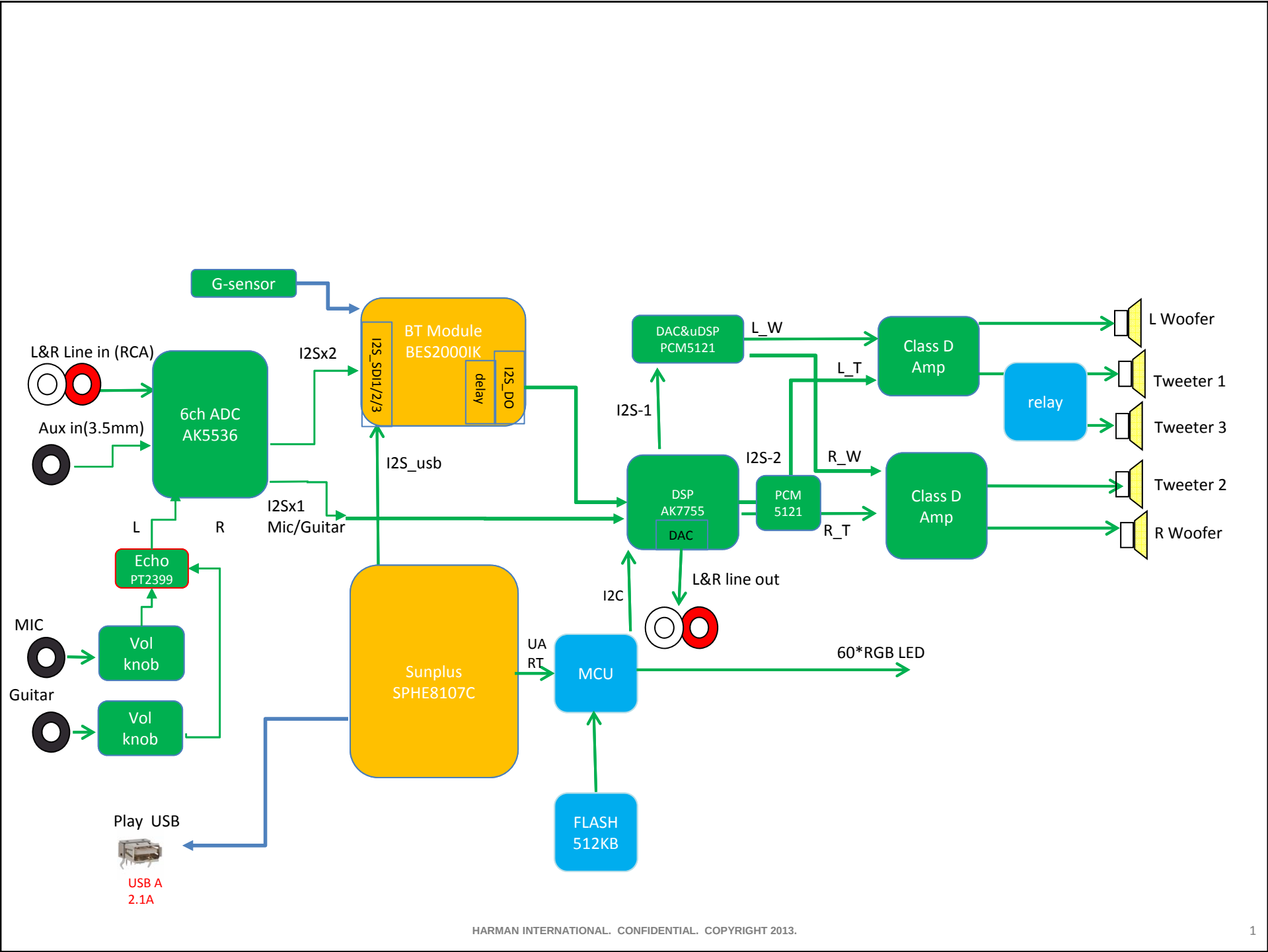
Dismantle the screw on speaker and pry speaker by a needle then take out the speaker.



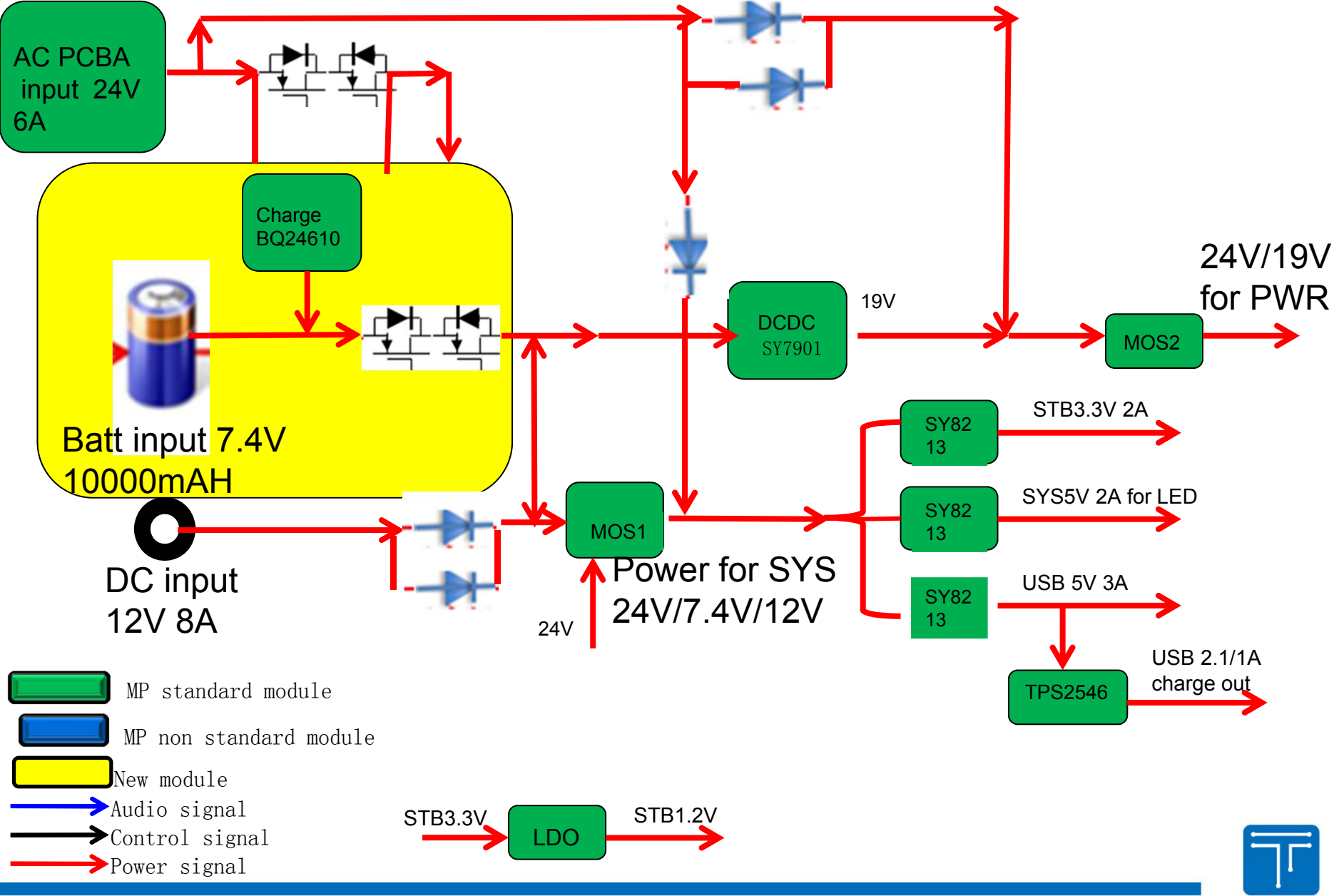
Potential scrap risk on materials

Process step	Material	Part Number
Step1/6/7	Screw cover sheet,foot pad,silicone seal,front panel	Please refer to the SBOM
Step 2/3	Rubber button,turn-knob	Please refer to the SBOM

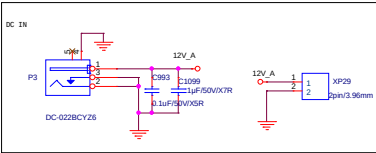
SET BLOCK DIAGRAM



G1- Block diagram



CIRCUIT DIAGRAM-MAIN BOARD
DC IN CIRCUIT



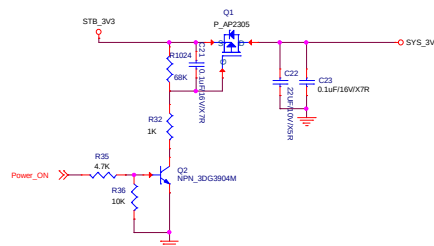
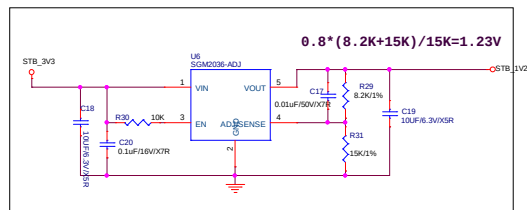
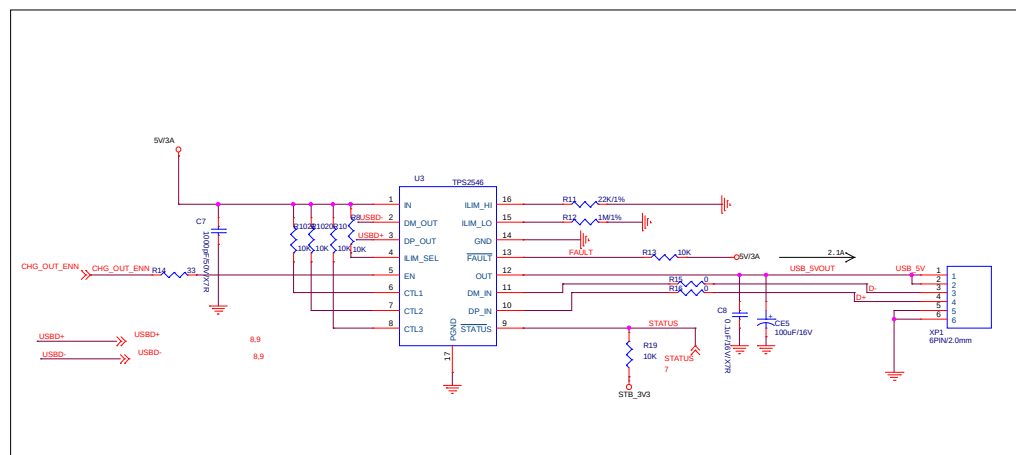
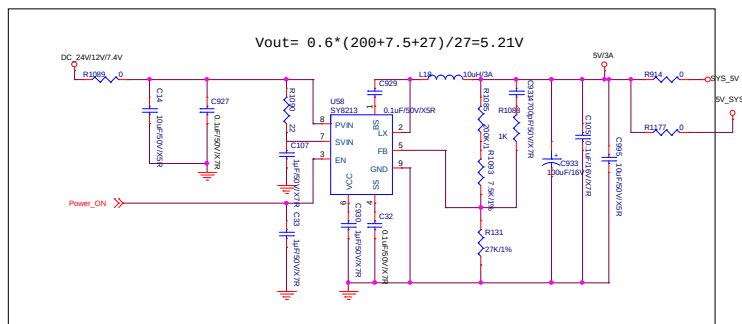
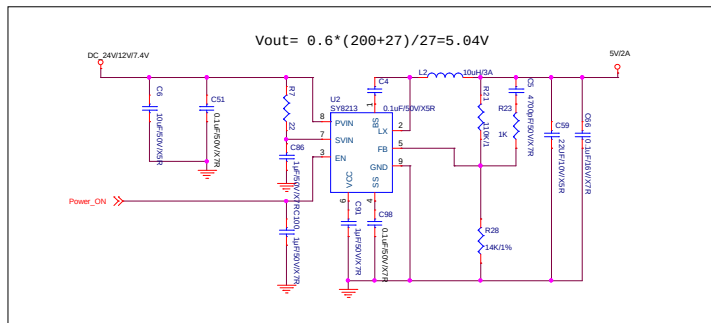
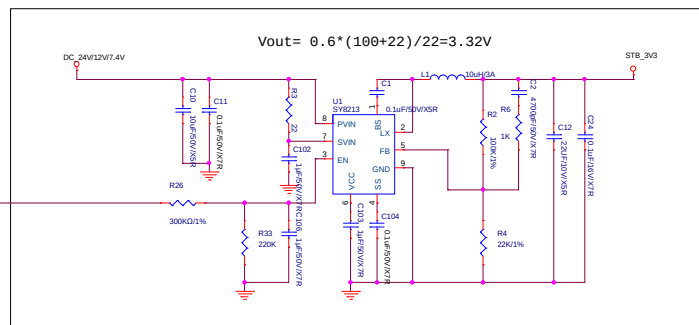
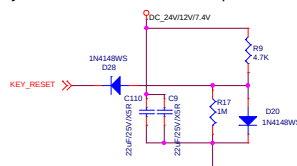
CIRCUIT DIAGRAM-MAIN BOARD

DC-DC CIRCUIT

Long press POWER key for 8~10s will reset Main chip SPHE8107



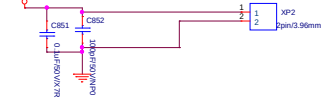
$$V_{OUT} = 0.596 * (1 + 150/20) = 5.07V$$



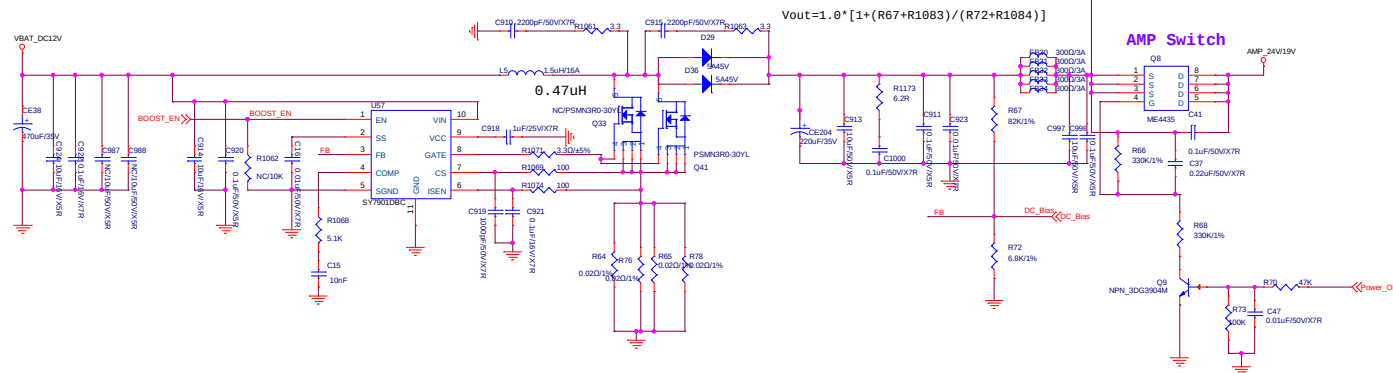
CIRCUIT DIAGRAM-MAIN BOARD

BOOST CIRCUIT

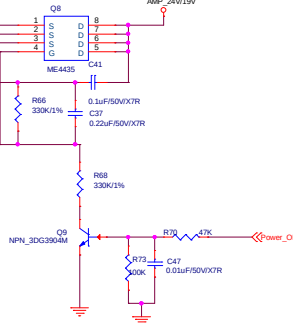
DC 12V INPUT



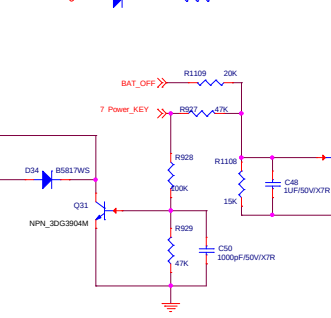
BOOST BAT 7.4V/DC 12V TO 19V



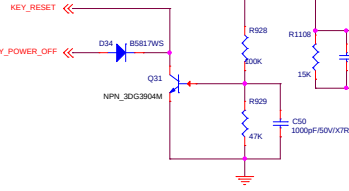
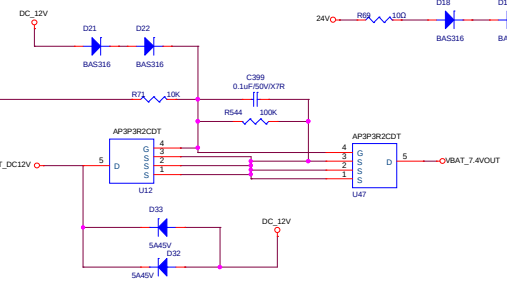
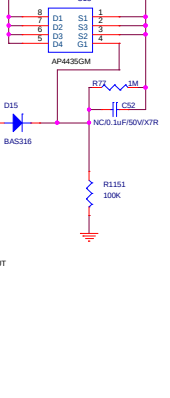
AMP Switch



Power Key 1



DC 24V12V7.4V



CIRCUIT DIAGRAM-MAIN BOARD CHARGE CIRCUIT-BQ24610

AC 24V INPUT

Battery Charging Circuit

Power Control Circuit

CHARGE STATE	STAT1	STAT2
Charge in progress	L	H
Charge complete	H	L
Charge suspend, timer fault, over-voltage, sleep mode, battery absent	H	H

Battery Control Circuit

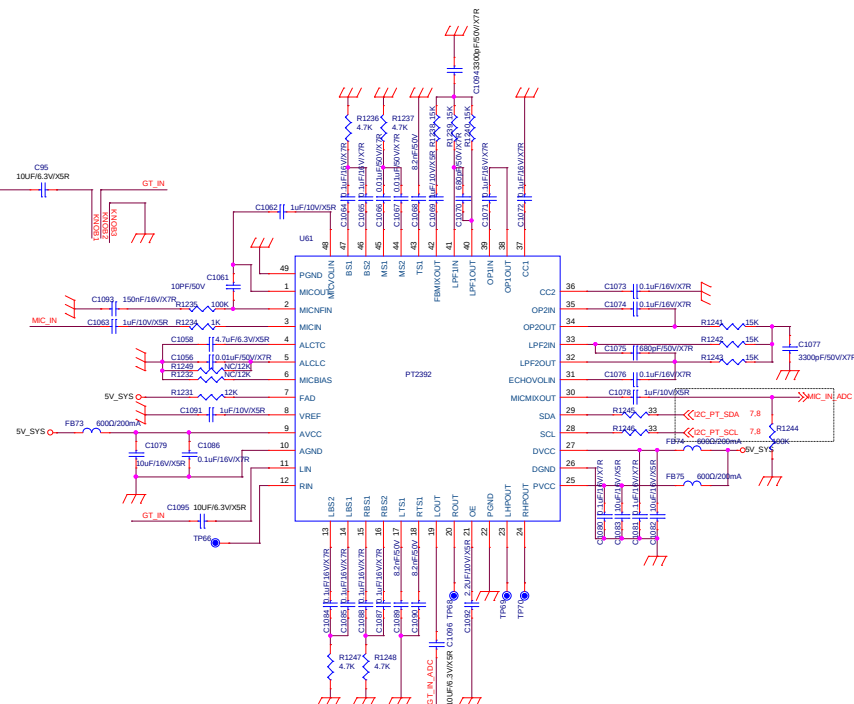
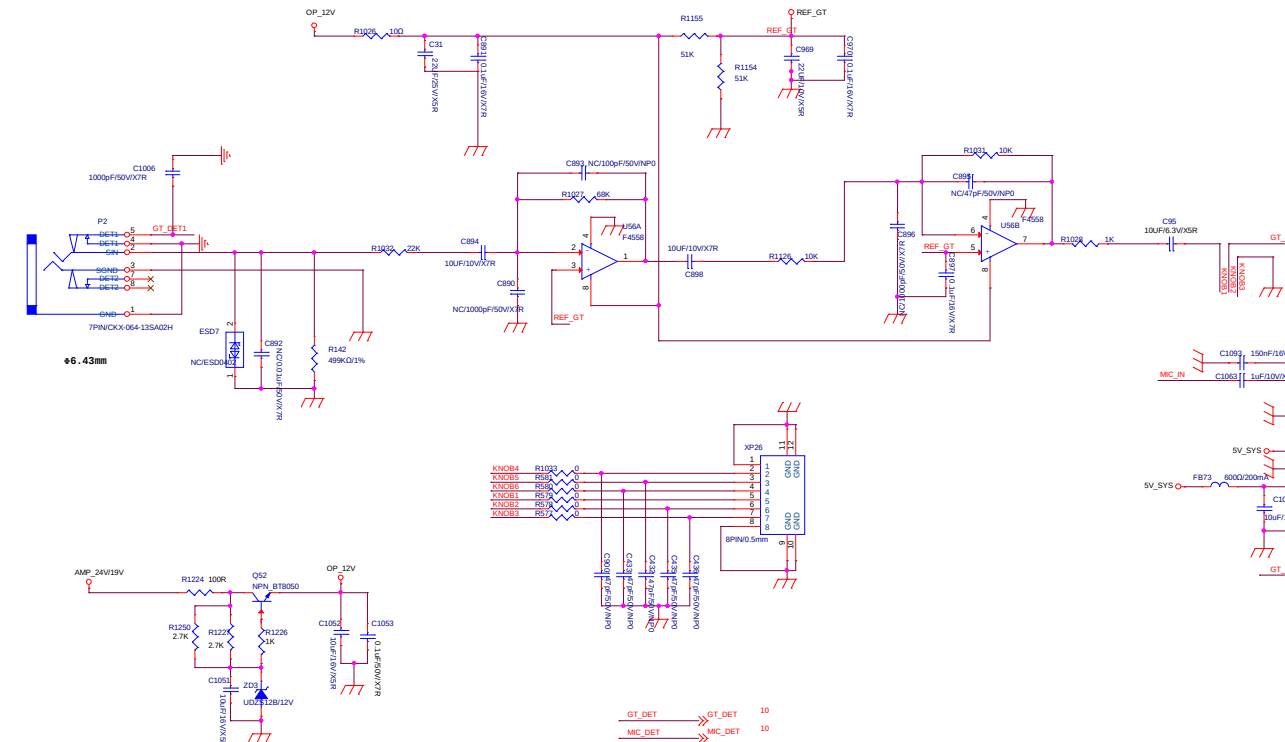
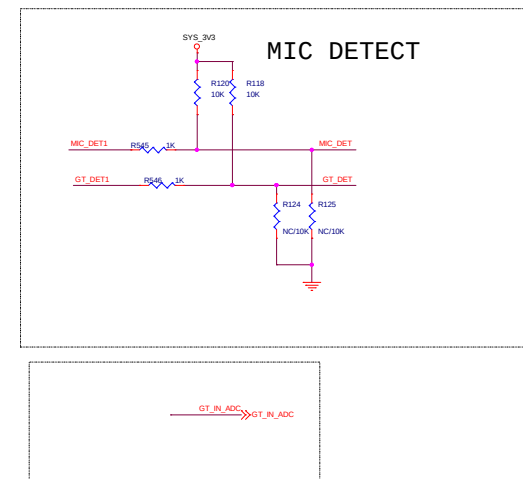
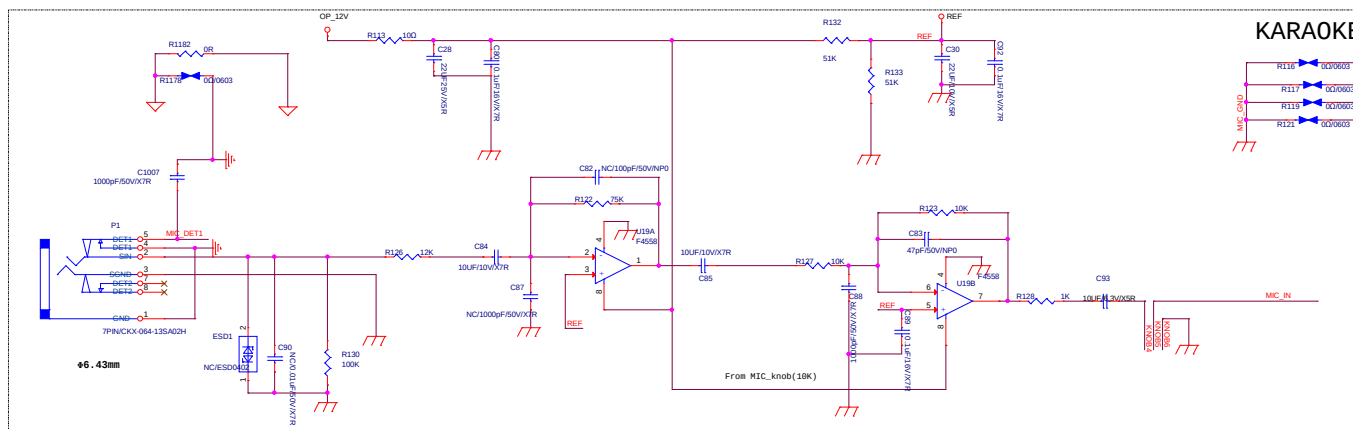
music on charge	0.25C	2500mA
music off charge	0.1C	1000mA
per charge	0.05C	150mA
I AC limit	1C	10A
charge voltage	4.2V*2	8.4V

USB	USB to Host	Internal Battery	USB to Host	Internal Battery	USB to Host
USB to Host	USB to Host	Internal Battery	USB to Host	Internal Battery	USB to Host
Yes	2.1A	0.172A	1.5A	not charging	1.5A
No	2.1A	0.172A	2.1A	not charging	2.1A
Yes	2.1A	0.172A	1.5A	not charging	1.5A
No	2.1A	0.172A	2.1A	not charging	2.1A
USB to Host	USB to Host	Internal Battery	USB to Host	Internal Battery	USB to Host
Yes	2.1A	0.172A	1.5A	not charging	1.5A
No	2.1A	0.172A	2.1A	not charging	2.1A

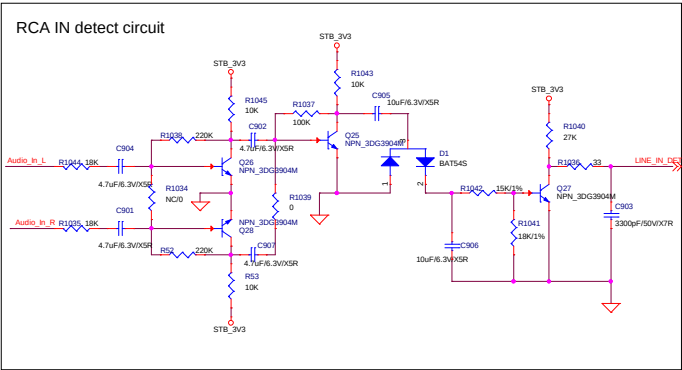
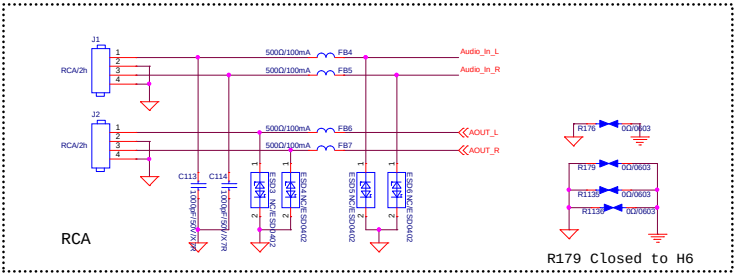
$I_{charge} = 3.3V * 62 / (100 + 62) / (20 * 0.025) = 2.5A$
 $I_{charge} = 3.3V * 19.29 / (100 + 19.29) / (20 * 0.025) = 1A$
 $I_{percharge} = 3.3V * 30 / (200 + 30) / (100 * 0.01) = 0.43A$
 $I_{AC\ limit} = 3.3V * 91 / (56 + 91) / (20 * 0.01) = 10A$

To LED-A PCBA

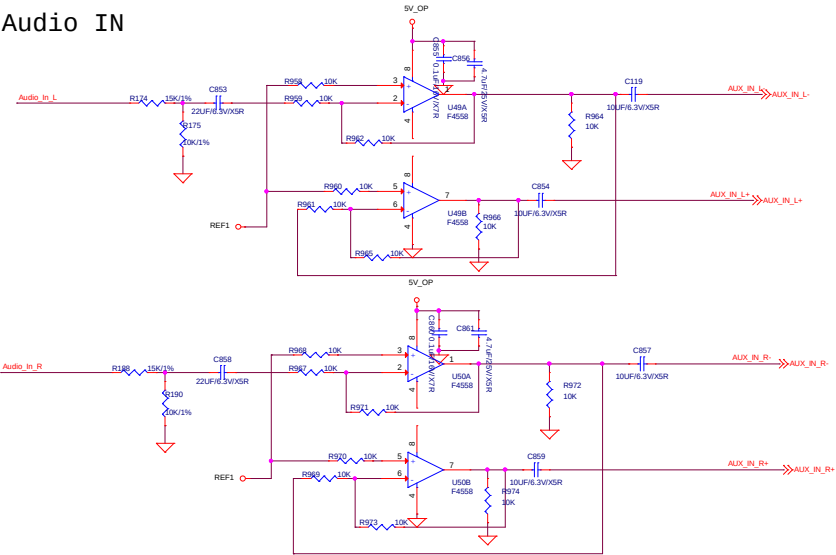
CIRCUIT DIAGRAM-MAIN BOARD MIC CIRCUIT



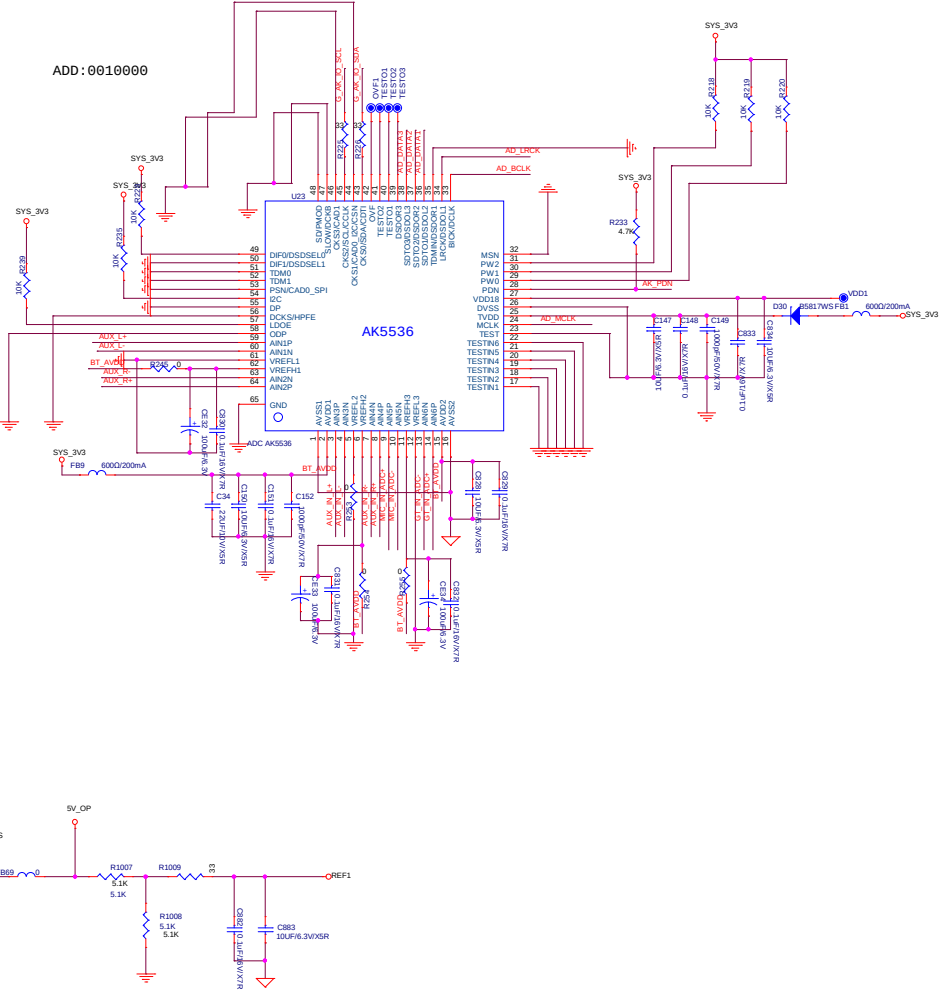
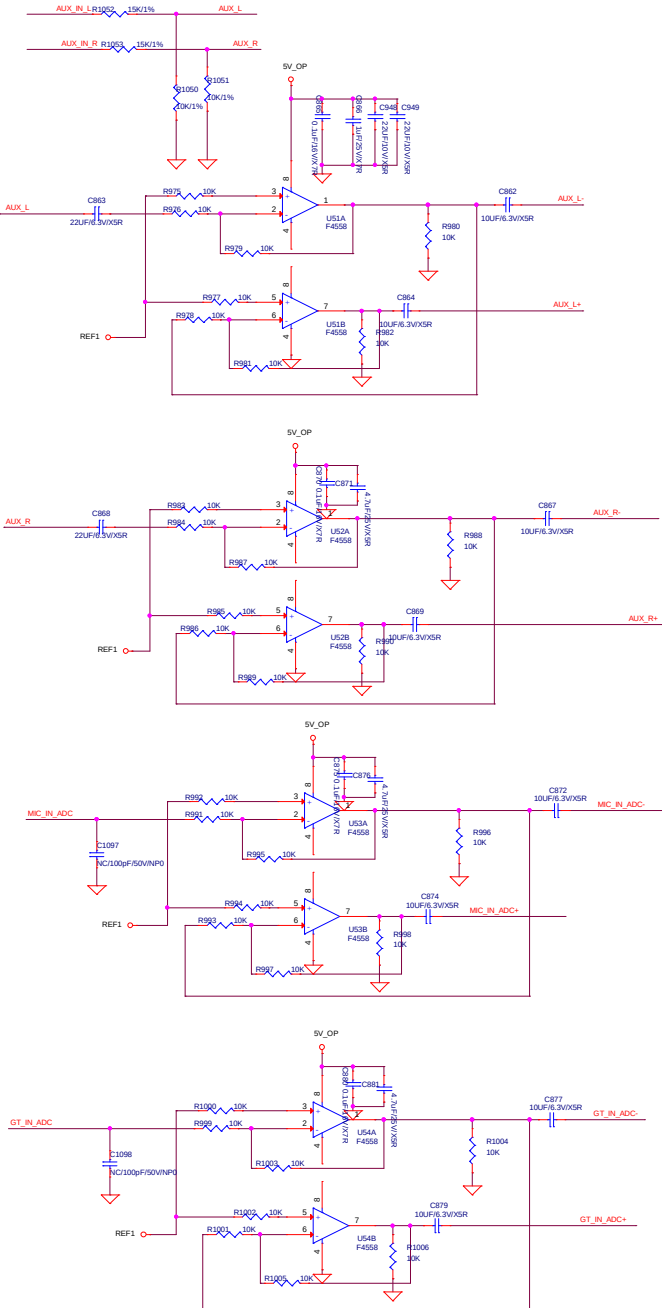
CIRCUIT DIAGRAM-MAIN BOARD AUDIO IN CIRCUIT



Audio IN



CIRCUIT DIAGRAM-MAIN BOARD ADC5536 CIRCUIT

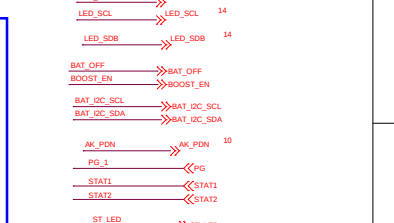
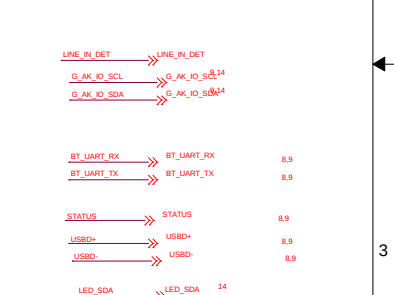
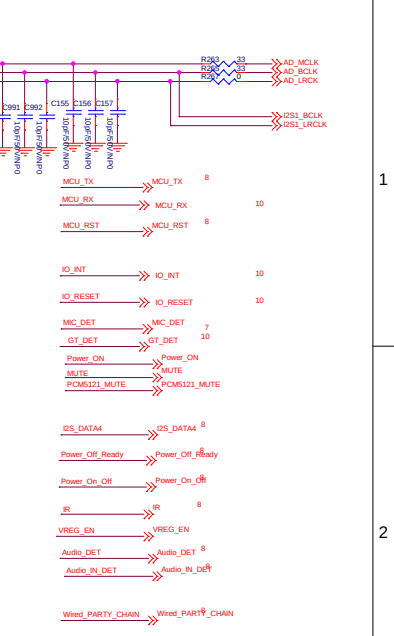
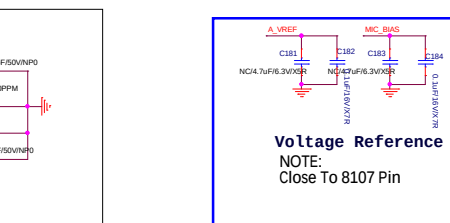
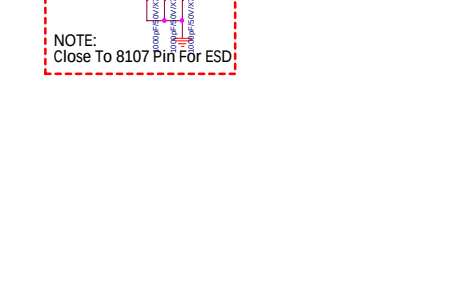
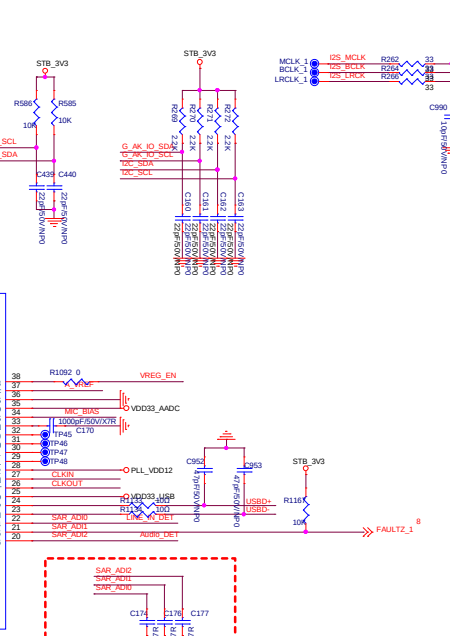
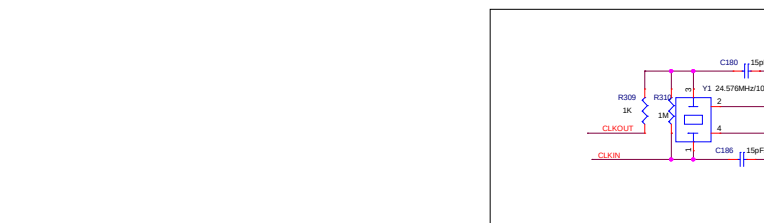
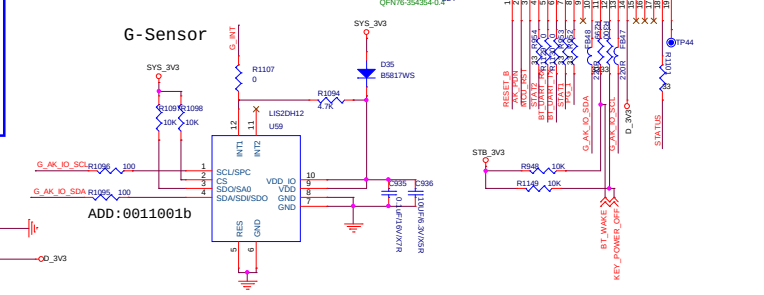
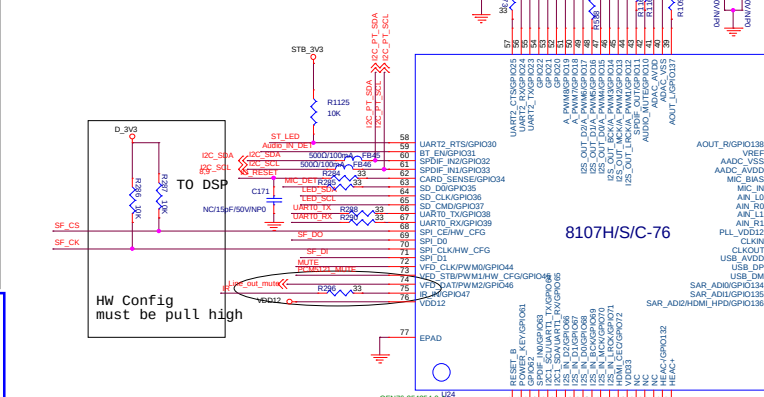
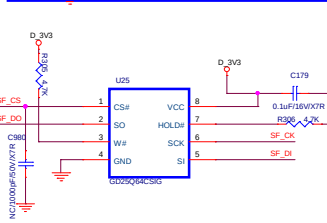
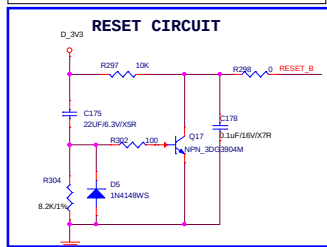
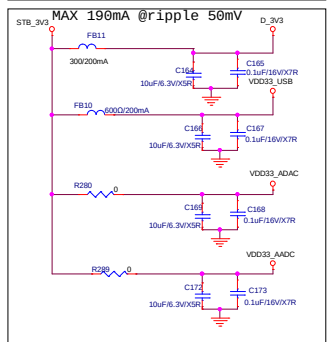
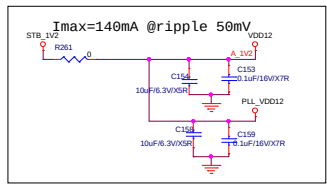


- AUX_IN_L+ >>> AUX_IN_L+
- AUX_IN_L- >>> AUX_IN_L-
- AUX_IN_R+ >>> AUX_IN_R+
- AUX_IN_R- >>> AUX_IN_R-
- AD_DATA3 >>> AD_DATA3 8
- AD_DATA2 >>> AD_DATA2 8
- AD_DATA1 >>> AD_DATA1 8
- AD_LRCK >>> AD_LRCK 8
- AD_BCLK >>> AD_BCLK 8
- AD_MCLK >>> AD_MCLK 8
- G_AK_IO_SCL >>> G_AK_IO_SCL 8
- G_AK_IO_SDA >>> G_AK_IO_SDA 8
- AK_PDN >>> AK_PDN 10
- AUX_IN_L >>> AUX_IN_L
- AUX_IN_R >>> AUX_IN_R
- MIC_IN_ADC >>> MIC_IN_ADC
- GT_IN_ADC >>> GT_IN_ADC

CIRCUIT DIAGRAM-MAIN BOARD

MAIN CHIP CIRCUIT-SPHE8107

NOTE:
When 8107H/S,
Pin60/61 are SPDIF_IN2,
SPDIF_IN1
When 8107C,
Pin60/61 is GPIO.



1

2

3

4

1

2

3

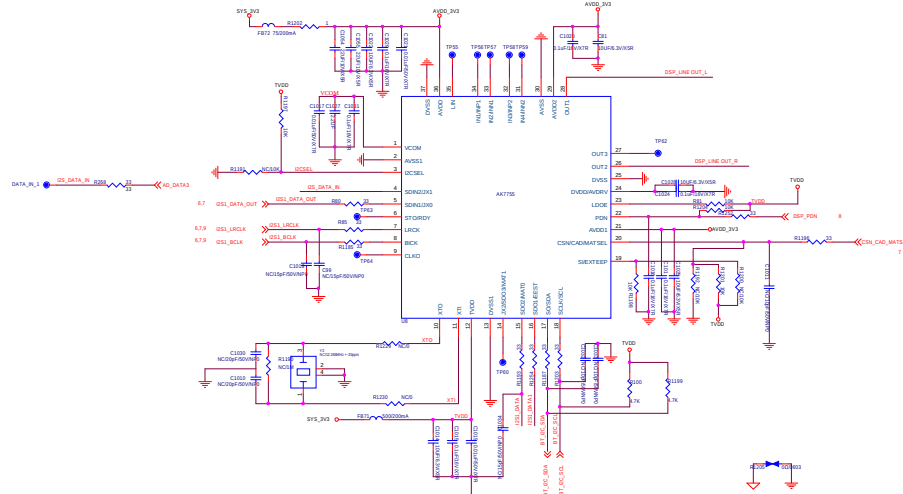
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1

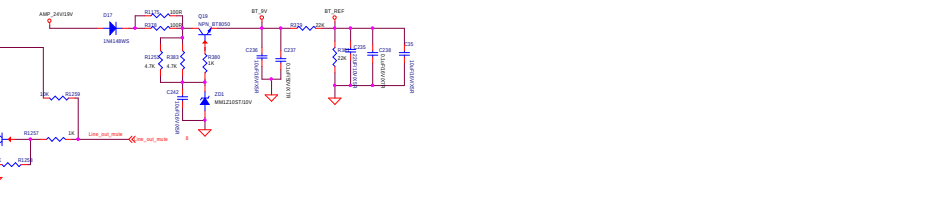
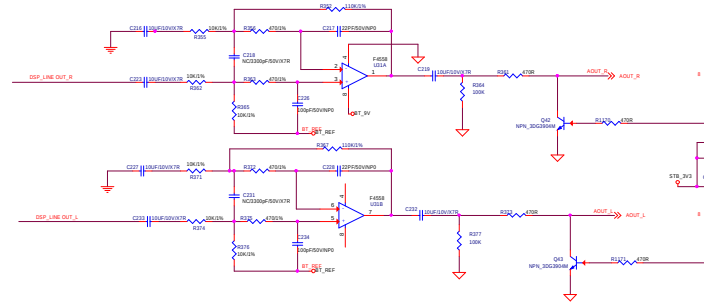
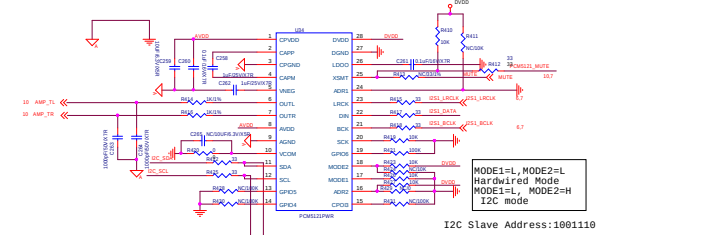
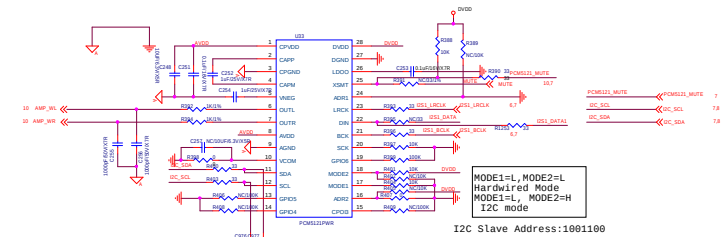
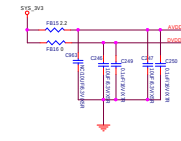


CIRCUIT DIAGRAM-MAIN BOARD DSP CIRCUIT

DSP Circuit

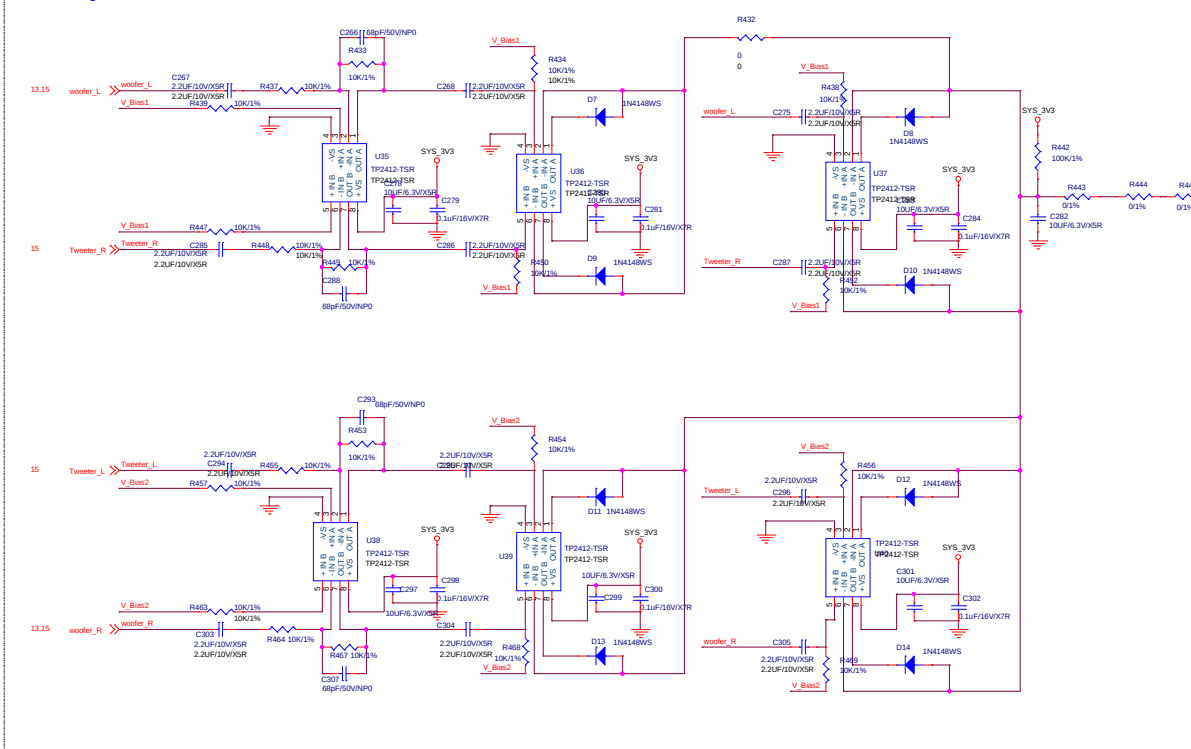


Dac Circuit

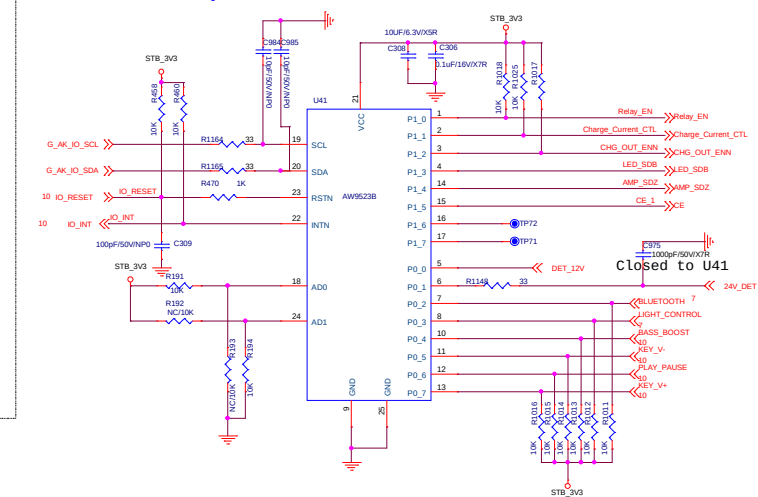


CIRCUIT DIAGRAM-MAIN BOARD

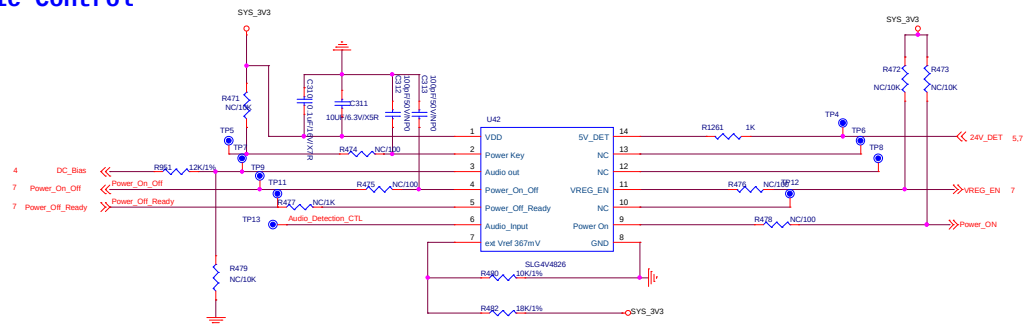
Dynamic Pressure Detection Circuit



I/O Expander



Logic Control



CIRCUIT DIAGRAM-MAIN BOARD AMP CIRCUIT

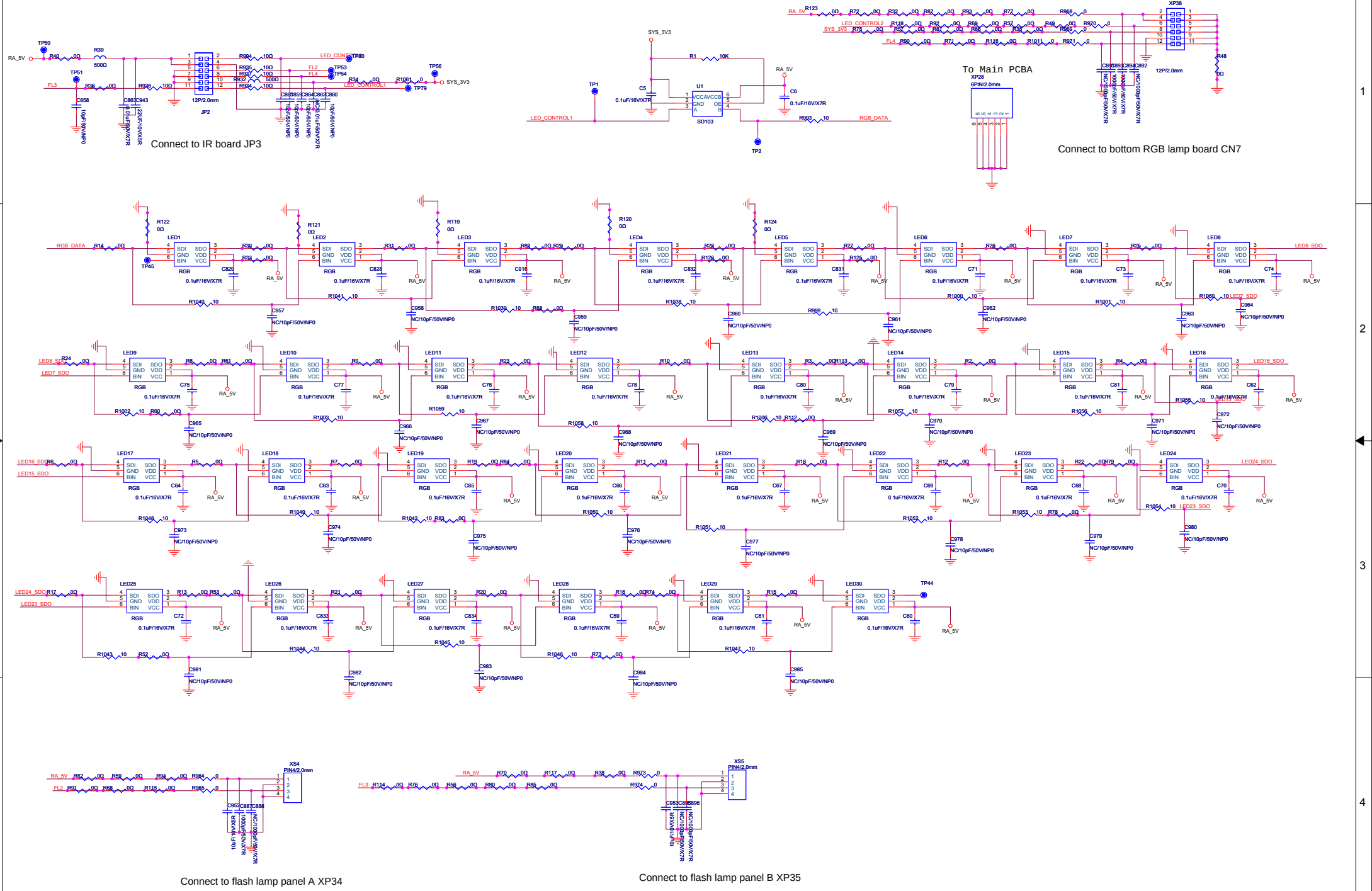
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2

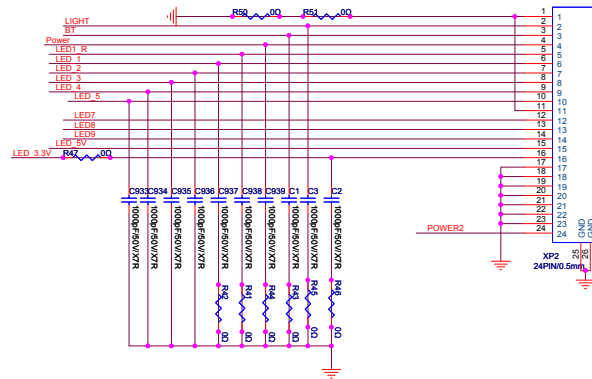
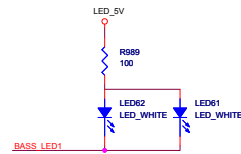
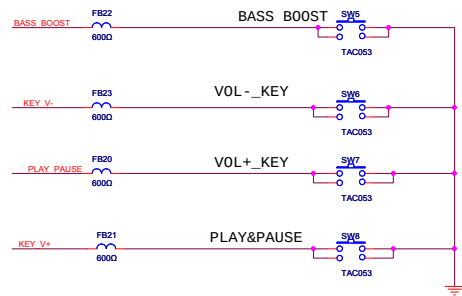
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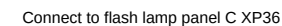
CIRCUIT DIAGRAM-TOP RGB LAMP RING BOARD



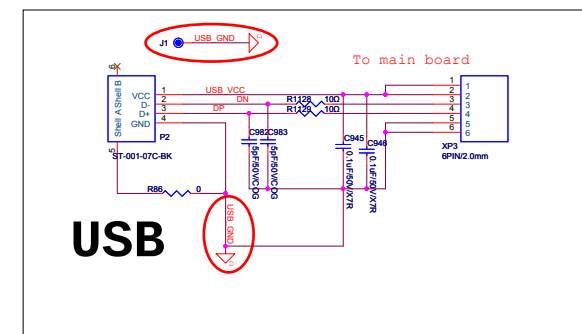
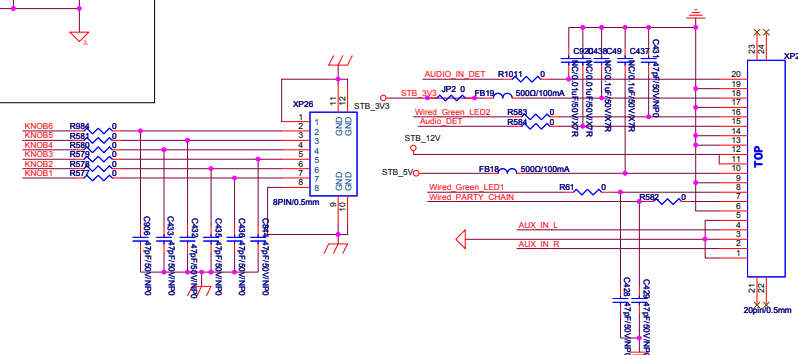
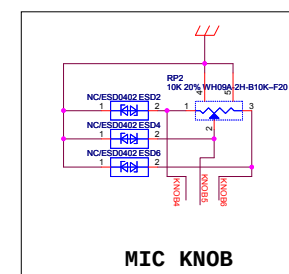
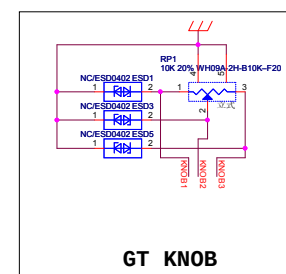
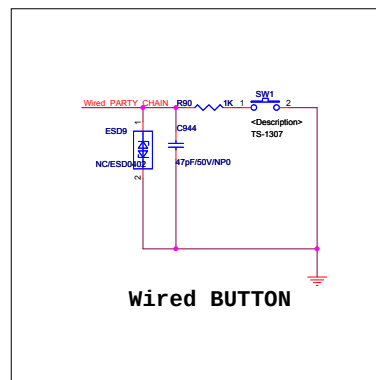
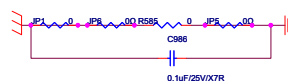
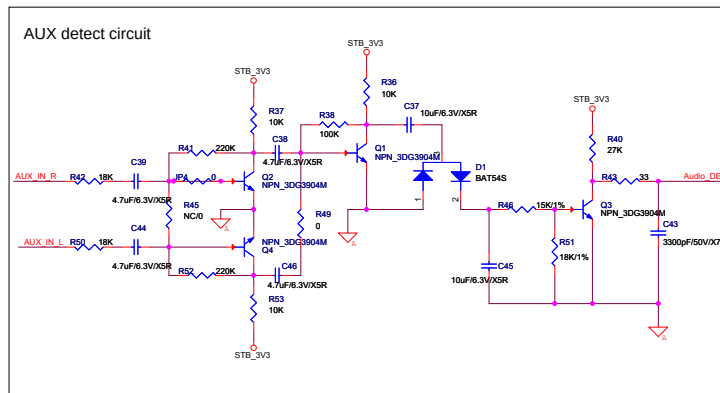
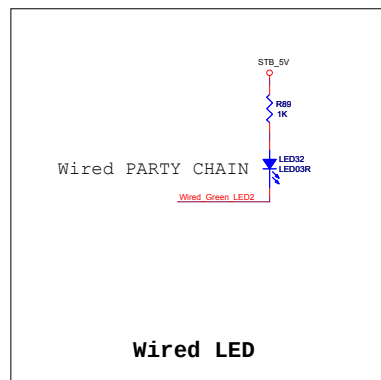
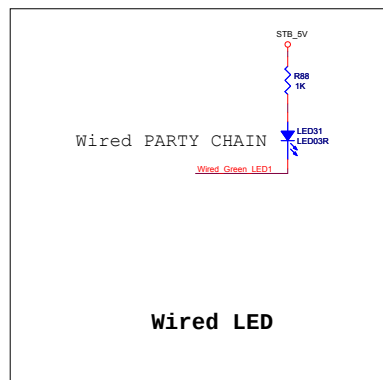
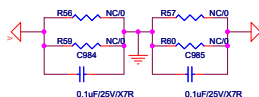
CIRCUIT DIAGRAM-KEY BOARD B



CIRCUIT DIAGRAM-KEY BOARD A	
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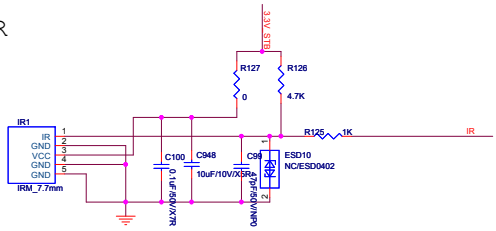


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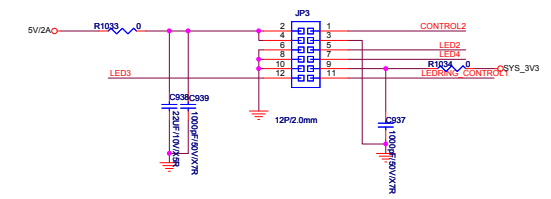
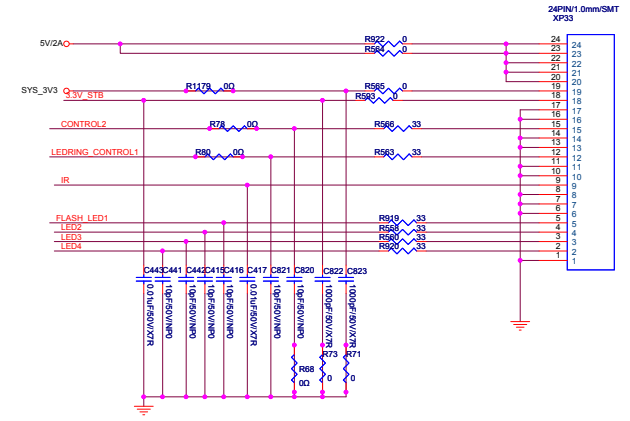
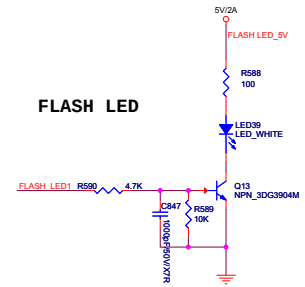


CIRCUIT DIAGRAM-IR BOARD

IR

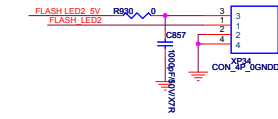
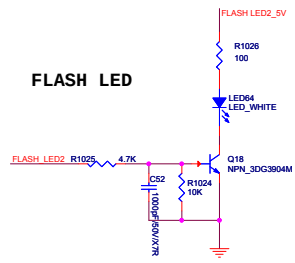


FLASH LED



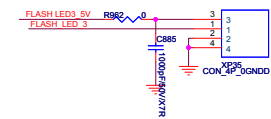
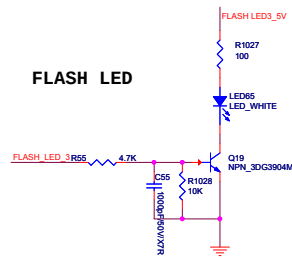
Connect to top RGB lamp JP2

CIRCUIT DIAGRAM-FLASH LAMP PANEL A CIRCUIT



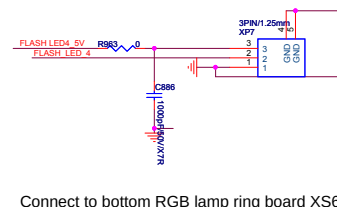
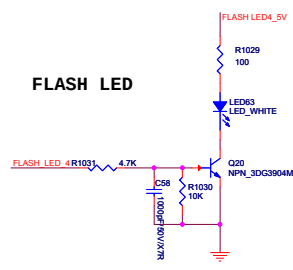
Connect to top RGB lamp ring board XS4

CIRCUIT DIAGRAM-FLASH LAMP PANEL B CIRCUIT

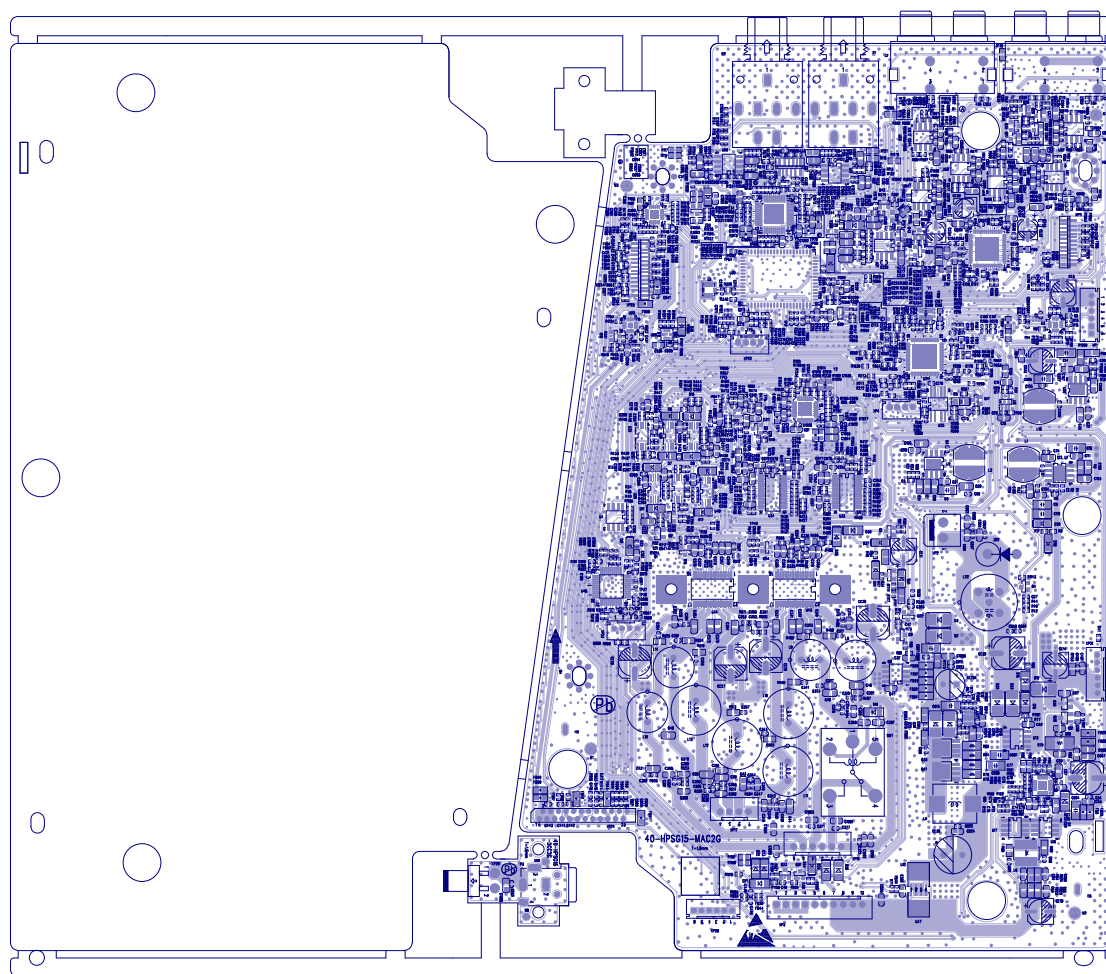


Connect to top RGB lamp ring board XS5

CIRCUIT DIAGRAM-FLASH LAMP PANEL C CIRCUIT

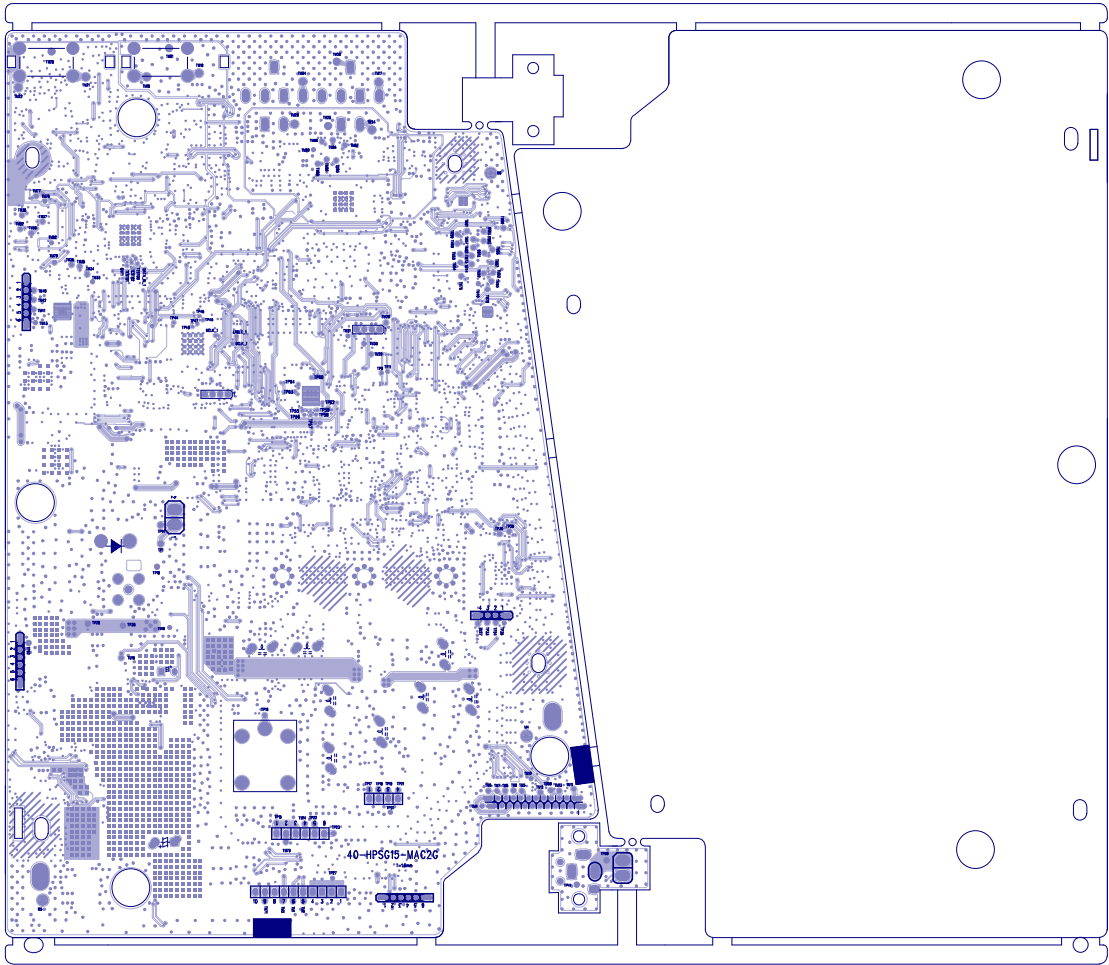


MAIN BOARD PCB LAYOUT(TOP)



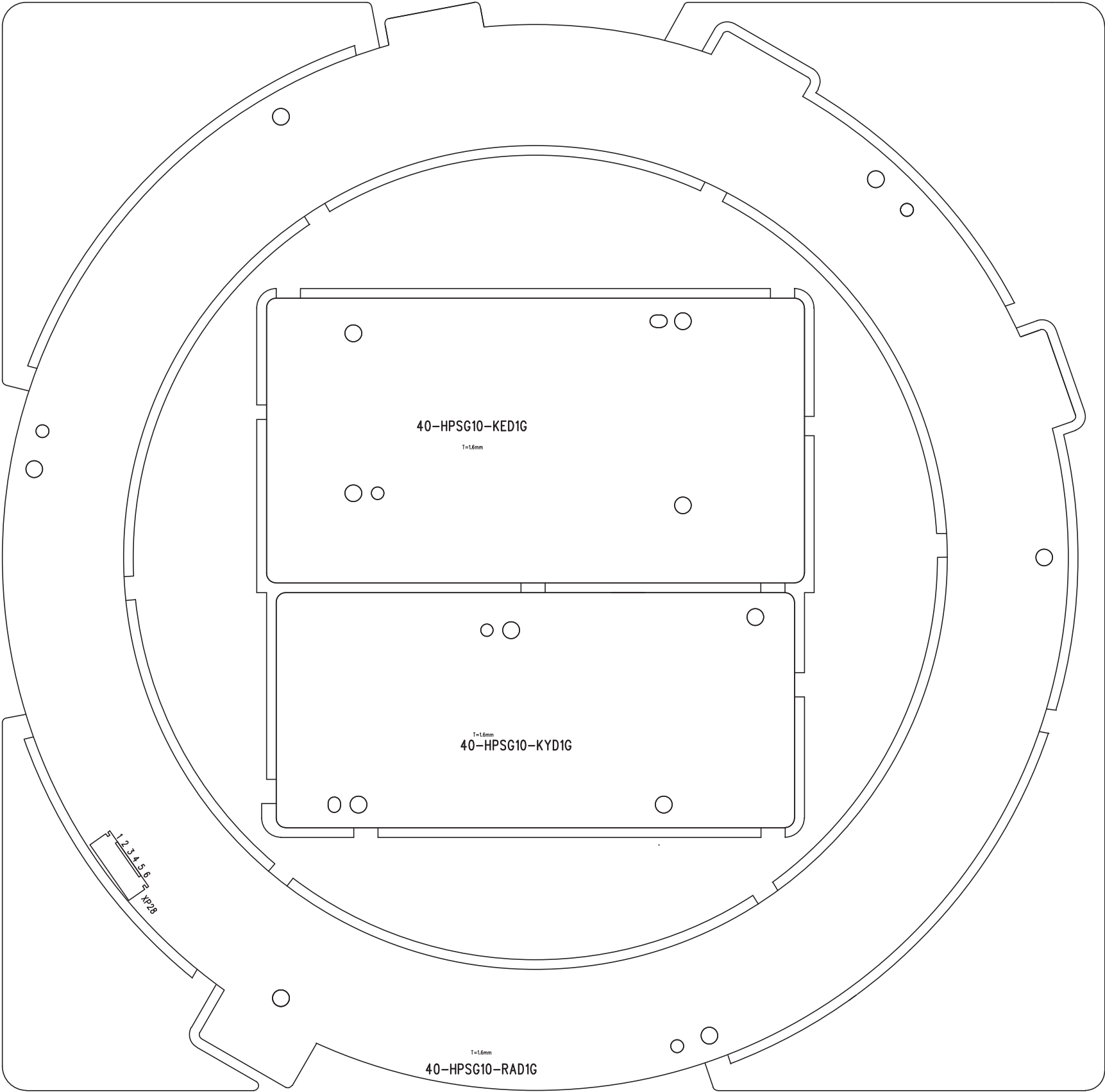
MAIN BOARD PCB LAYOUT(BOTTOM)

⊕

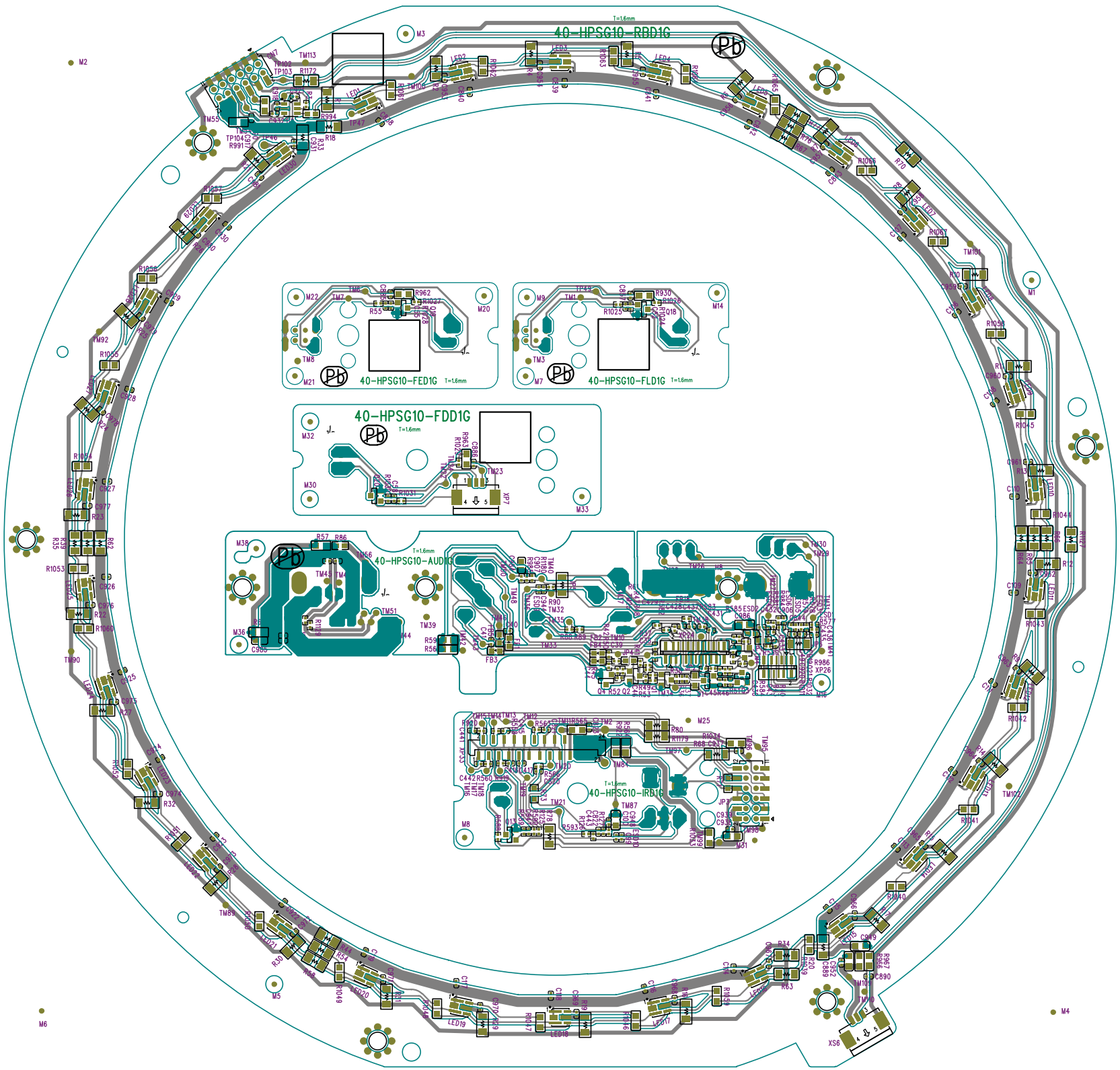


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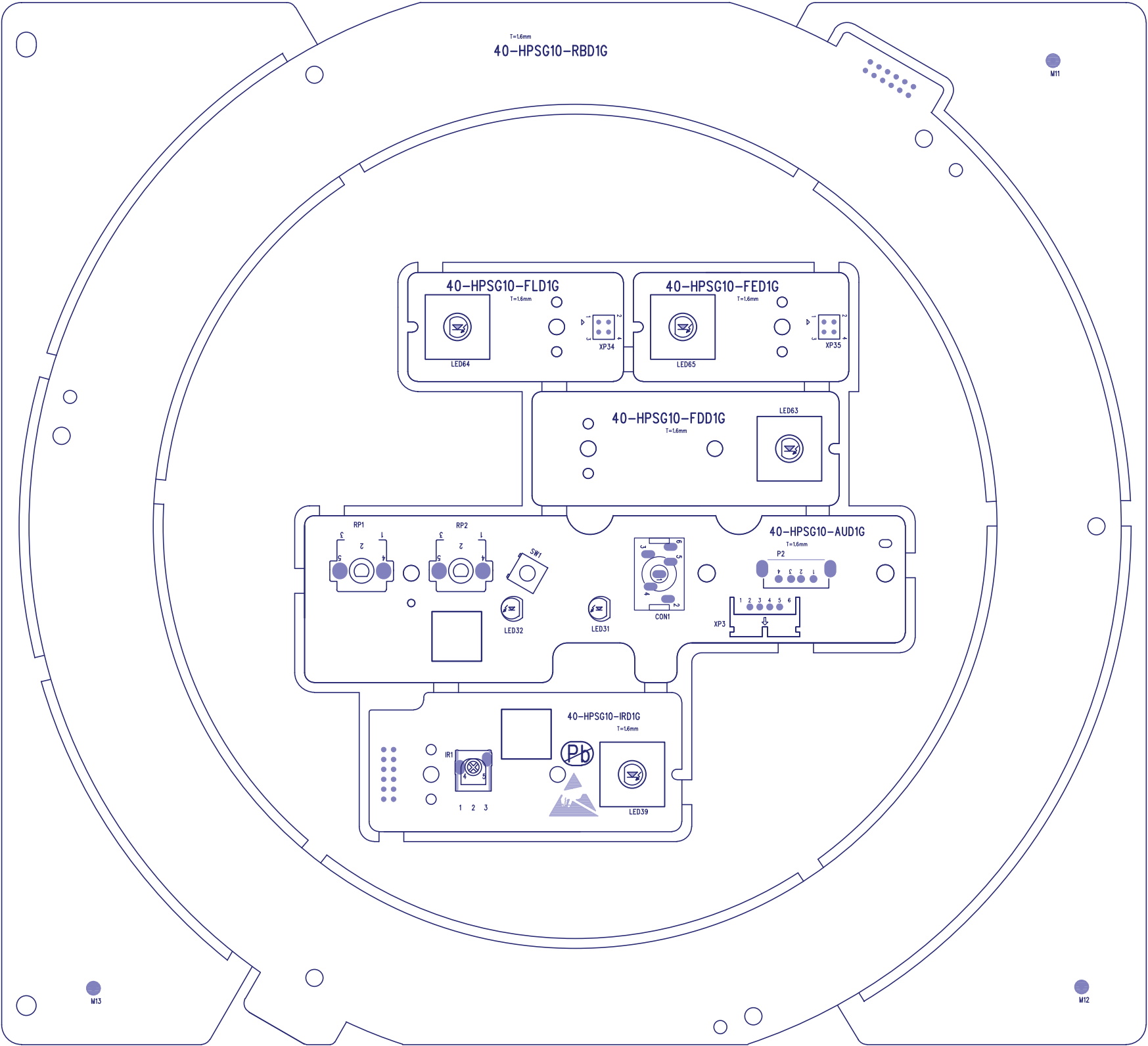


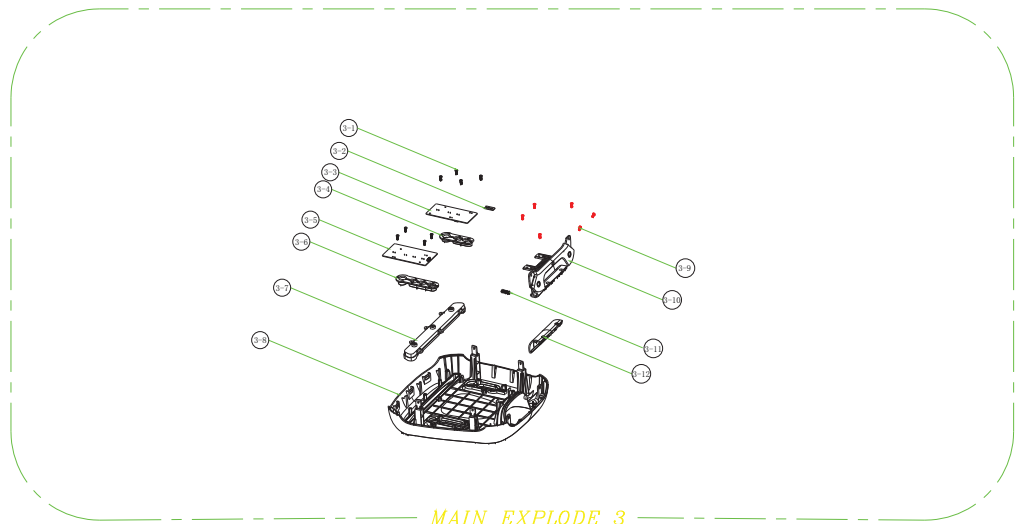


BOTTOM RGB LAMP BOARD LAYOUT(TOP)

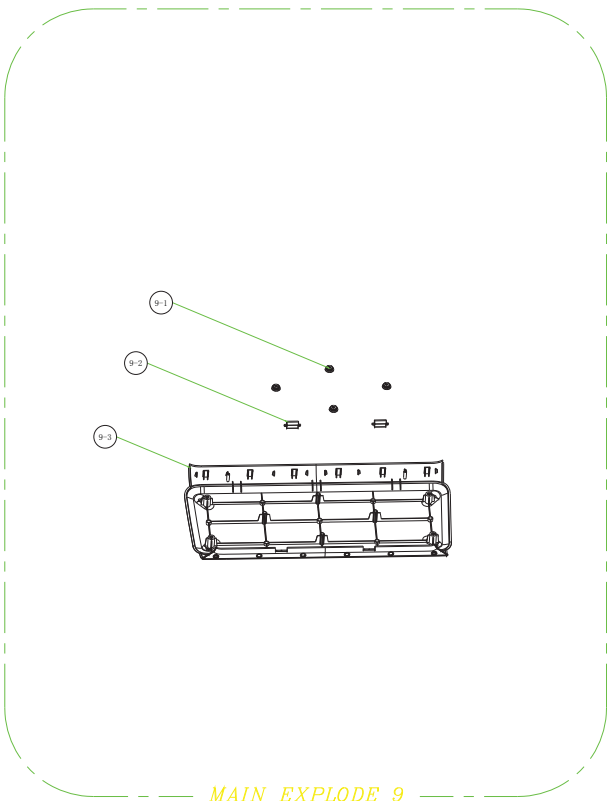


BOTTOM RGB LAMP BOARD LAYOUT(BOTTOM)

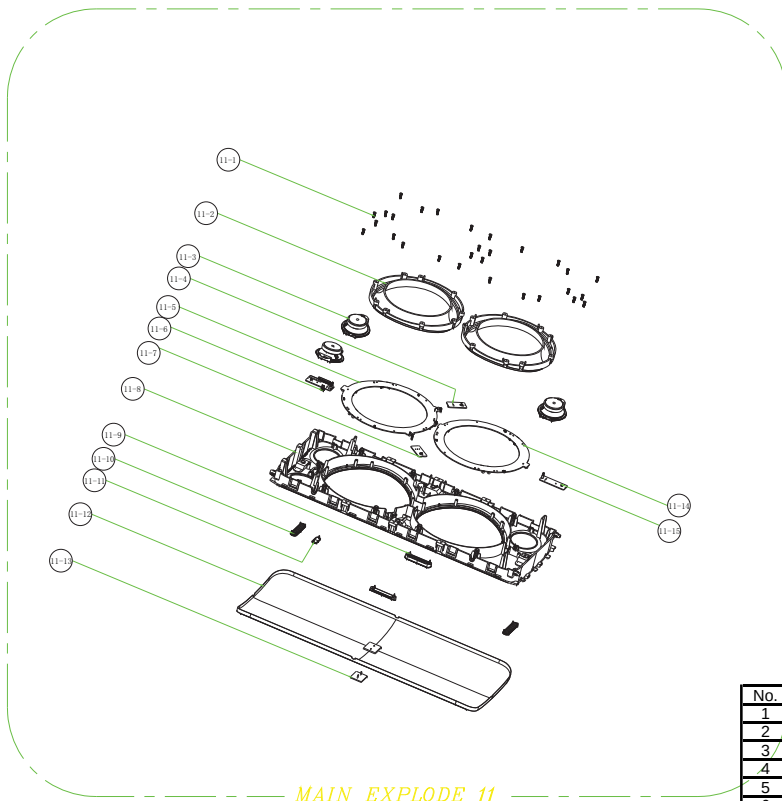




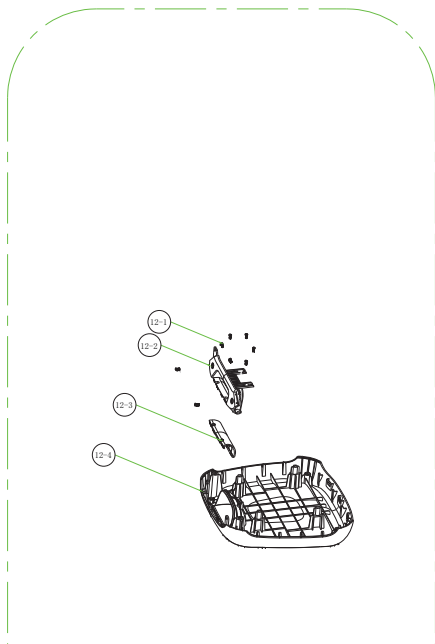
MAIN EXPLODE 3



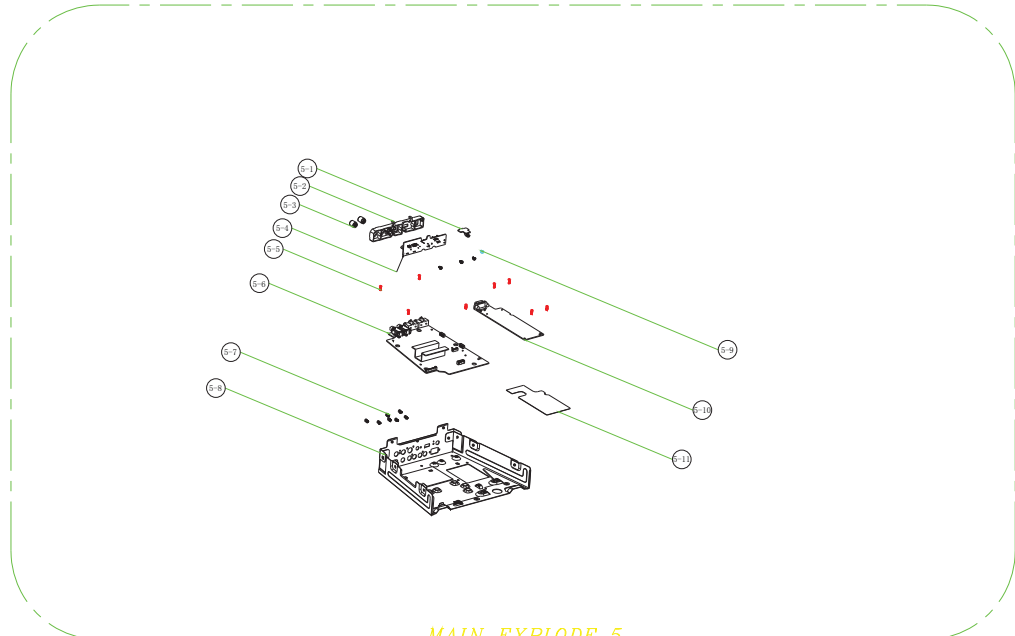
MAIN EXPLODE 9



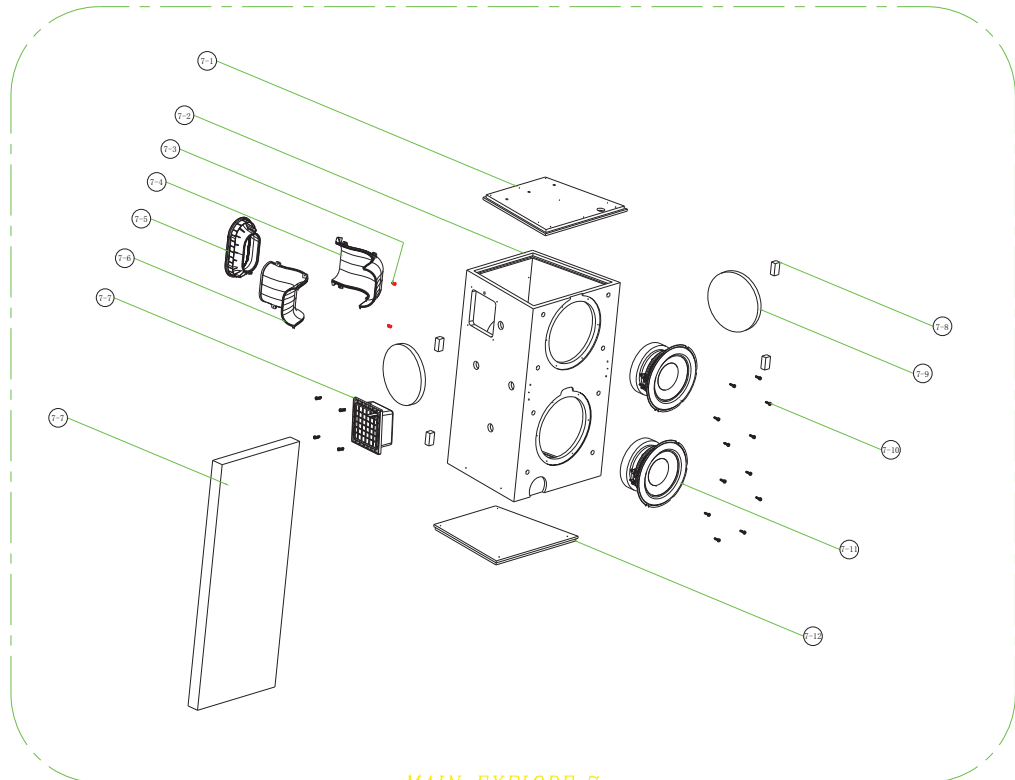
MAIN EXPLODE 11



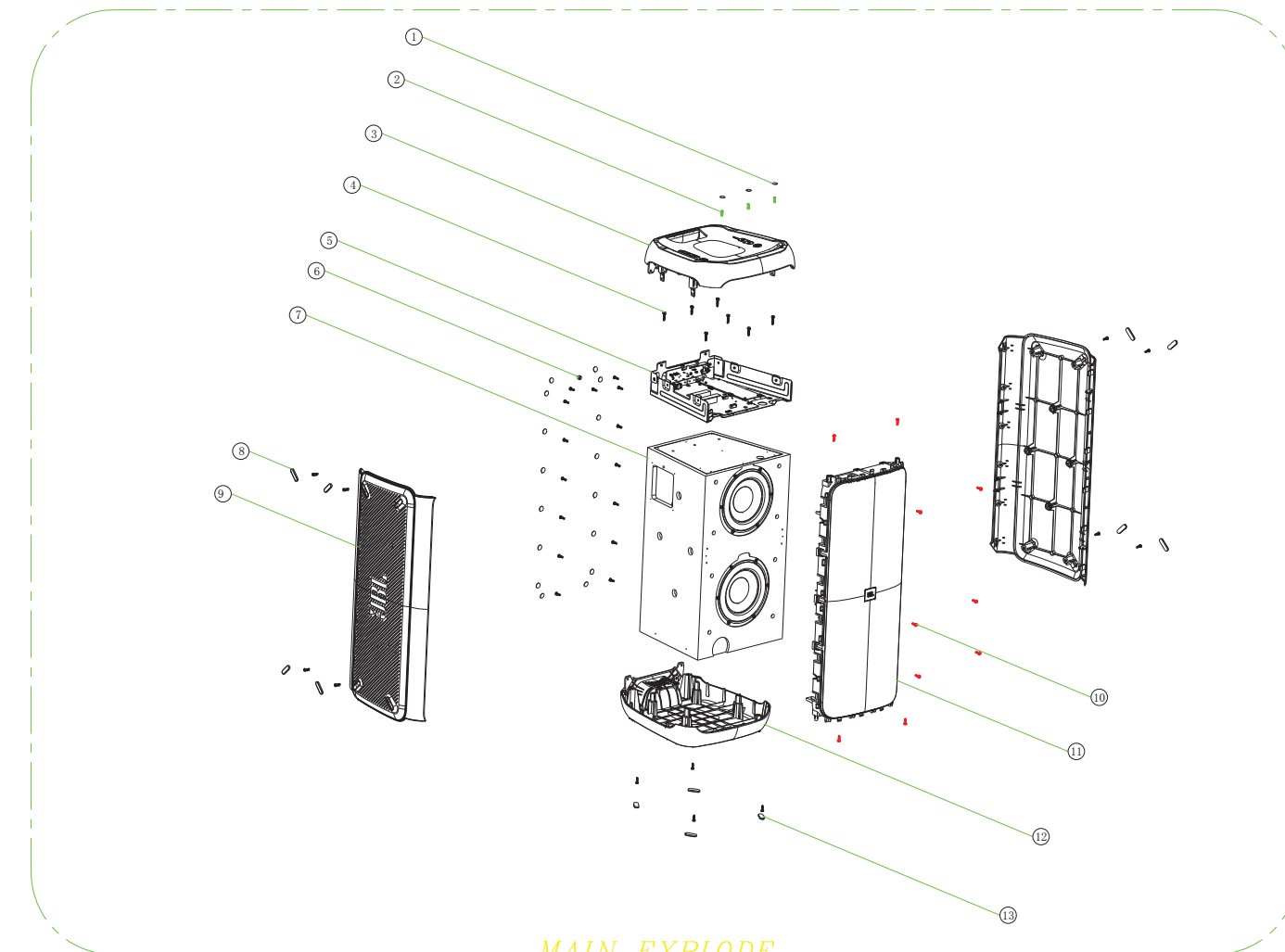
MAIN EXPLODE 12



MAIN EXPLODE 5



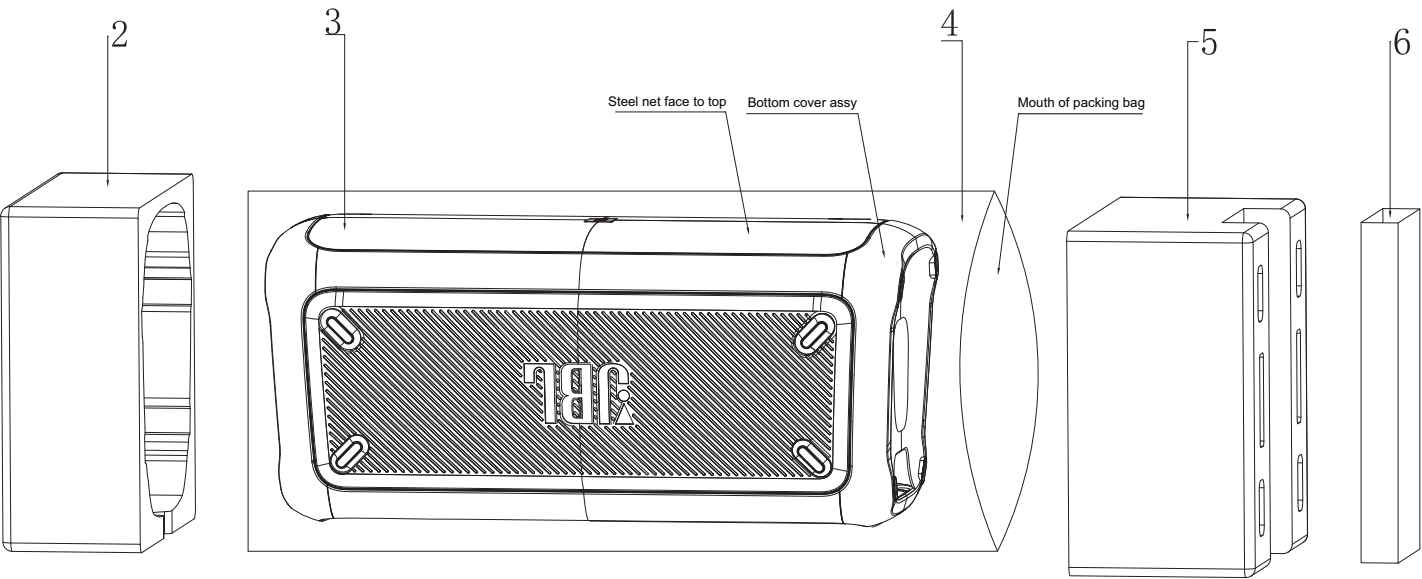
MAIN EXPLODE 7



MAIN EXPLODE 13

No.	Part Name	Part No.	QTY	Remark
1	Screw cover sheet	57-PARYGP-00H	19	
2	Screw	63-B30100-BF8	1	
3	Top cover assy	08-HPSG15-PT0	1	08-HPSG14-PT0
4	Screw	63-B35140-AB8	32	
5	Metal bracket assy	59-291530-000	1	
6	Silicone seal	59-291530-000	1	
7	Wooden box assy	08-HPSG15-PB0	1	08-HPSG14-PB0
8	Side foot pad	59-290310-000B1	8	
9	Side cover assy	02-JBG1W2-XX0B1	1	
10	Screw	63-B40160-WA8	10	
11	Front panel assy	08-HPSG15-PF0	1	
12	Bottom cover assy	08-HPSG15-PR0	1	
13	Bottom foot pad	59-290300-000	4	
3	Top cover assy			
3-1	Screw	63-B30080-BF8	8	
3-2	EVA	54-290350-000	1	
3-3	Key board A	08-HPSG10-KY2	1	08-HPSG11-KY2
3-4	Power button	59-290330-000B1	1	
3-5	Key board B	08-HPSG10-KE2	1	
3-6	Volume button	59-290340-000B1	1	
3-7	IPAD bracket	56-JBG1W4-0UN	1	
3-8	Top cover	56-JBG1T1-0UN	1	
3-9	Screw	63-B30100-BF8	6	
3-10	Top handle	56-JBG1W2-0UN	1	
3-11	Power indicator lamp lens	56-JBG1L4-0HH	1	
3-12	Silicone handle	59-290320-000B1	1	
5	Metal bracket assy			
5-1	DC board	08-HPSG15-CS1	1	
5-2	Button bracket	56-JBG1W6-0UNB1	1	
5-3	Turn-knob	56-JBG1N1-0HAB1	1	
5-4	Terminal board	08-HPSG10-AU0	1	
5-5	Screw	63-B30070-3H4	8	
5-6	Main board	08-HPSG15-CS0	1	08-HPSG14-CS0
5-7	Screw	63-B30080-BF8	10	
5-8	Metal rear panel	67-JBG1B1-0E0B2	1	
5-9	Screw	63-W30080-3H2	1	
5-10	Power board	08-HPSG10-PW0	1	
5-11	PC sheet	57-PARYPC-1UH	1	
7	Wooden box assy			
7-1	Top board	79-SPTYB1-B12	1	
7-2	Four-panel	79-SPTYB5-B12	1	
7-3	Screw	63-B30100-BF8	2	
7-4	Air hose 2	56-JBG1P2-0UN	1	
7-5	Air hose 3	56-JBG1P3-0UN	1	
7-6	Air hose 1	56-JBG1P1-0UN	1	
7-7	Battery	9-7210400-1BAT2	1	
7-8	Triangle-wood	79-SFA4B1-B12	4	
7-9	Round board	79-SPTYB3-B12	2	
7-10	Screw	63-B35140-AB8	12	
7-11	6.5" speaker	08-065050-04004	2	
7-12	Bottom board	79-SPTYB2-B12	1	
9	Side cover assy			
9-1	Wooden box silicone cover	59-213160-000	8	
9-2	Decorating cover	56-JBG1W5-0UN	4	
9-3	Side panel	56-JBG1W1-0UN	2	
11	Front panel assy			
11-1	Screw	63-B30100-BF8	1	
11-2	Light-guide sheet	56-JBG1L5-0HA	1	
11-3	2.5" speaker	08-025050-04002	1	
11-4	Flash lamp panel A	08-HPSG10-FL0	1	
11-5	Top RGB lamp ring	08-HPSG10-RA1	1	
11-6	IR board	08-HPSG10-IR0	1	
11-7	Flash lamp panel B	08-HPSG10-FE0	1	
11-8	Front panel	56-JBG1F1-0UN	1	
11-9	Left flash lamp lens	56-JBG1L3-0HA	2	
11-10	Top flash lamp lens	56-JBG1L1-0HA	2	
11-11	IR lamp lens	56-JBG1L2-0HA	1	
11-12	Metal net	67-JBG1C1-0E0	1	
11-13	LOGO	67-JBG1C1-0A0B1	1	
11-14	Bottom RGB lamp ring	08-HPSG10-RB1	1	
11-15	Flash lamp panel C	08-HPSG10-FD0	1	
12	Bottom cover assy			
12-1	Screw	63-B30100-BF8	8	
12-2	Bottom handle	56-JBG1W3-0UN	1	
12-3	Silicone handle	59-290320-000B1	1	
12-4	Bottom cover	56-JBG1R1-0UN	1	

PACKAGING EXPLODED VIEW



6	Accessory packing box	76-293740-OAT	1
5	Right polyfoam	75-HMG1R0-ECO	1
4	Packing bag	74-305660-50C	1
3	Main unit	NA	1
2	Left polyfoam	75-HMG1L0-ECO	1
1	Carton box	76-293530-OAT	1
NO.	Name	Part number	QTY
		G1	

SPARE PART LIST V1.7

Product Name	SAP name (P/N)	SAP Description	Pos. No.	QTY
PARTYBOX 200 & 300	59-291530-000	SILICONE SEAL PARTYBOX	6	1
PARTYBOX 200 & 300	59-290310-000B1	FOOT PAD SIDE PARTYBOX	8	8
PARTYBOX 200 & 300	02-JBG1W2-XX0B1	SIDE COVER PARTYBOX	9	2
PARTYBOX 200&300	08-HPSG15-PF0	FRONT GRILLE ASSY PARTYBOX200&300	11	1
PARTYBOX 200 & 300	08-HPSG15-PR0	BOTTOM COVER PARTYBOX	12	1
PARTYBOX 200 & 300	59-290300-000	FOOT PAD BOTTOM PARTYBOX	13	4
PARTYBOX 200 & 300	59-290330-000B1	POWER BUTTON PARTYBOX	3-4	1
PARTYBOX 200 & 300	08-HPSG10-KE2	KEY BOARD B (NON JN) PARTYBOX	3-5	1
PARTYBOX 200 & 300	08-HPSG10-KE3	KEY BOARD B (JN) PARTYBOX	3-5	1
PARTYBOX 200 & 300	59-290340-000B1	VOLUME BUTTON PARTYBOX	3-6	1
PARTYBOX 200&300	08-HPSG15-CS1	DC BOARD 2PCS PARTYBOX	5-1	1
PARTYBOX 200 & 300	56-JBG1W6-0UNB1	BUTTON BRACKET PARTYBOX	5-2	1
PARTYBOX 200 & 300	56-JBG1N1-0HAB1	MIC TURN-KNOB PARTYBOX	5-3	2
PARTYBOX 200 & 300	08-HPSG10-AU0	TERMINAL BOARD (NON JN) PARTYBOX	5-4	1
PARTYBOX 200 & 300	08-HPSG10-AU1	TERMINAL BOARD (JN) PARTYBOX	5-4	1
PARTYBOX 200 & 300	07-BTM20I-KC123	BT MODULE BM20IK PARTYBOX	On Main Board	1
PARTYBOX 200 & 300	67-JBG1B1-0E0B2	METAL REAR PANEL PARTYBOX	5-8	1
PARTYBOX 200 & 300	08-HPSG10-PW0	POWER BOARD PARTYBOX	5-10	1
PARTYBOX 200 & 300	57-PARYPC-1UH	PC SHEET PARTYBOX	5-11	1
PARTYBOX 200 & 300	08-HPSG10-FL0	FLASH LAMP PANEL A (NON JN) PARTYBOX	11-4	1
PARTYBOX 200 & 300	08-HPSG10-FL1	FLASH LAMP PANEL A (JN) PARTYBOX	11-4	1
PARTYBOX 200 & 300	08-HPSG10-RA1	TOP RGB LAMP RING PARTYBOX	11-5	1
PARTYBOX 200 & 300	08-HPSG10-IR0	IR BOARD (NON JN) PARTYBOX	11-6	1
PARTYBOX 200 & 300	08-HPSG10-IR1	IR BOARD (JN) PARTYBOX	11-6	1
PARTYBOX 200 & 300	08-HPSG10-FE0	FLASH LAMP PANEL B (NON JN) PARTYBOX	11-7	1
PARTYBOX 200 & 300	08-HPSG10-FE1	FLASH LAMP PANEL B (JN) PARTYBOX	11-7	1
PARTYBOX 200 & 300	08-HPSG10-RB1	BOTTOM RGB LAMP RING PARTYBOX	11-14	1
PARTYBOX 200 & 300	08-HPSG10-FD0	FLASH LAMP PANEL C (NON JN) PARTYBOX	11-15	1
PARTYBOX 200 & 300	08-HPSG10-FD1	FLASH LAMP PANEL C (JN) PARTYBOX	11-15	1
PARTYBOX 200 & 300	13-SY8213-FCC3	IC AN_SY8213FCC POWER PARTYBOX	U1,U2,U58	3
PARTYBOX 200 & 300	13-AK5536-VNQ3	IC AK5536VN ADC PARTYBOX	U23	1
PARTYBOX 200 & 300	13-SPHE81-07000	IC SPHE8107CZ PARTYBOX	U24	1
PARTYBOX 200 & 300	13-SN3112-QFN3	IC SN3112I320E-09 LED DRIVER PARTYBOX	U28	1
PARTYBOX 200 & 300	13-TPS254-6003	IC TPS2546 PARTYBOX	U3	1
PARTYBOX 200 & 300	13-PCM512-1PW3	IC PCM5121PWR DAC PARTYBOX	U33,U34	2
PARTYBOX 200 & 300	13-AW9523-BTQ3	IC AW9523B CONTROL PARTYBOX	U41	1
PARTYBOX 200 & 300	13-TPA311-6D22	IC TPA3116D2 POWER AMP PARTYBOX	U43,U44	2
PARTYBOX 200 & 300	13-LTV817-SB03-M	PHOTOCOUPLER LTV-817S-B PARTYBOX	U502	1
PARTYBOX 200 & 300	13-AS431A-HMB	IC AS431A PARTYBOX	U503	1
PARTYBOX 200 & 300	13-SY7901-DBC3	IC SY7901DBC BOOST PARTYBOX	U57	1
PARTYBOX 200 & 300	13-LIS2DH-12T3	IC LIS2DH12TR SENSOR PARTYBOX	U59	1
PARTYBOX 200 & 300	13-SGM203-6ADJ3	IC SGM2036-ADJ PARTYBOX	U6	1
PARTYBOX 200&300	13-AK7755-ENQ3	IC AK7755EN DSP PARTYBOX	U8	1
PARTYBOX 200&300	13-PT2392-P483	IC SIGNAL PROCESSING PARTYBOX	U61	1
PARTYBOX 200 & 300	46-KG014C-24AUF	FFC 24P 0.5*24*140*A PARTYBOX		1
PARTYBOX 200 & 300	47-ANT396-XX0	BLUETOOTH ANTENNA 2.4G+IPEX PARTYBOX		1
PARTYBOX 200 & 300	76-293740-0AT	ACCESSORY BOX PARTYBOX		1
PARTYBOX 200 & 300	59-108830-000	HEAT CONDUCTION SILICONE SHEET PARTYBOX		6

PARTYBOX 200 & 300	46-50578W-12XG	CONNECTOR 2*6P H2.0MM PARTYBOX		1
PARTYBOX 200 & 300	46-50578W-04XG	CONNECTOR 2*2P H2.0MM PARTYBOX		2
PARTYBOX 200 & 300	46-EL062T-06Q	SPEAKER CABLE 6P PARTYBOX		1
PARTYBOX 200 & 300	41-DC0004-03P	GND CABLE D3.2MM 22AWG L40MM PARTYBOX		1
PARTYBOX 200 & 300	46-KK006C-08BUF	FFC 8P 60MM 0.5MM 60V PARTYBOX		1
PARTYBOX 200 & 300	46-KK012C-20BUF	FFC 20P 120MM 0.5MM 60V PARTYBOX		1
PARTYBOX 200 & 300	46-FF018T-06MA	USB CABLE 6P PARTYBOX NON AM		1
PARTYBOX 200&300	46-KK022C-24BVFC	FFC 24P 220MM +MAGNET RING PARTYBOX		1
PARTYBOX 200 & 300	46-KK022C-24BUFC	FFC 24P 220MM TINNING 60V PARTYBOX		1
PARTYBOX 200 & 300	46-NN006T-03XD	CABLE 3P 1.25MM 60MM 30V PARTYBOX		1
PARTYBOX 200 & 300	51-D70150-0PR05-M	POWER CORD AU PARTYBOX		1
PARTYBOX 200 & 300	51-DC0150-0KCR7-M	POWER CORD KO PARTYBOX		1
PARTYBOX 200 & 300	51-DC1500-0CRA3-M	POWER CORD RU/EU PARTYBOX		1
PARTYBOX 200 & 300	51-D71500-0DR07-M	POWER CORD TH PARTYBOX		1
PARTYBOX 200 & 300	51-D70150-01R01-M	POWER CORD BR PARTYBOX		1
PARTYBOX 200 & 300	51-GC1500-0GAB5-M	POWER CORD CN PARTYBOX		1
PARTYBOX 200 & 300	51-D70150-0AR01-M	POWER CORD UK PARTYBOX		1
PARTYBOX 200 & 300	51-D70150-0NR01-M	POWER CORD IN PARTYBOX		1
PARTYBOX 200 & 300	51-R70150-0RR01-M	POWER CORD JN PARTYBOX		1
PARTYBOX 200 & 300	51-B80150-0LR01-M	POWER CORD AM/ME PARTYBOX		1
PARTYBOX 200 & 300	46-ADT502-XXO	CAR CHARGE DC CABLE 5M PARTYBOX		1
PARTYBOX 200 & 300	57-JBLXZD-00G	CABLE TIES PARTYBOX		3
PARTYBOX 200 & 300	46-EL052T-04Q	SPEAKER CABLE 4P L340MM/520MM PARTYBOX		1
PARTYBOX 200&300	08-025050-04002	2.5" SPEAKER PARTYBOX	11-3	3
PARTYBOX 200&300	08-065050-04004	6.5" SPEAKER PARTYBOX	7-11	2
PARTYBOX 200&300	79-SPTYB1-B12	TOP BOARD	7-1	1
PARTYBOX 200&300	79-SPTYB2-B12	BOTTOM BOARD	7-12	1
PARTYBOX 200&300	57-PARYGP-00H	SCREW COVER SHEET PARTYBOX	1	19
PARTYBOX 200&300	46-FF018T-06MAF	USB CABLE 6P PARTYBOX AM		1
PARTYBOX 200	08-HPSG14-PT0	TOP COVER PARTYBOX200	3	1
PARTYBOX 200	08-HPSG11-KY2	KEY BOARD A (NON JN) PARTYBOX200	3-3	1
PARTYBOX 200	08-HPSG11-KY3	KEY BOARD A (JN) PARTYBOX200	3-3	1
PARTYBOX 200	13-OB2362-AMP3	IC OB2362AMP PARTYBOX200	Power PCB U3	1
PARTYBOX 200	76-293530-0ATB8	GIFT BOX PARTYBOX200 AS		1
PARTYBOX 200	76-293530-0ATG5	GIFT BOX PARTYBOX200 BR		1
PARTYBOX 200	76-293530-0ATF6	GIFT BOX PARTYBOX200 CN		1
PARTYBOX 200	76-293530-0ATF8	GIFT BOX PARTYBOX200 EU		1
PARTYBOX 200	76-293530-0ATC7	GIFT BOX PARTYBOX200 IN		1
PARTYBOX 200	76-293530-0ATG1	GIFT BOX PARTYBOX200 JN		1
PARTYBOX 200	76-293530-0ATG9	GIFT BOX PARTYBOX200 ME		1
PARTYBOX 200	76-293530-0ATG7	GIFT BOX PARTYBOX200 RU		1
PARTYBOX 200	76-293530-0ATF2	GIFT BOX PARTYBOX200 AM		1
JBL PARTY BOX200	08-HPSG14-CS0	MAIN BOARD 2PCS PARTYBOX200	5-6	1
PARTYBOX 200	08-HPSG14-PB0	WOODEN BOX ASSY PARTYBOX200	7	1
PARTYBOX 300	08-HPSG15-PT0	TOP COVER PARTYBOX300	3	1
PARTYBOX 300	08-HPSG10-KY2	KEYBOARD A (NON JN) PARTYBOX300	3-3	1
PARTYBOX 300	08-HPSG10-KY3	KEYBOARD A (JN) PARTYBOX300	3-3	1
PARTYBOX 300	49-7210400-BAT2-A	LI-ION BATTERY 10400MAH 7.2V PARTYBOX300	7-7	1
PARTYBOX 300	13-OB2362-AMP3	IC OB2362AMP POWER PARTYBOX300	POWER PCB U3	1
PARTYBOX 300	13-BQ2461-0RG3	IC BQ24610RGER PARTYBOX300	U18	1
PARTYBOX 300	13-SLG4V4-8263	IC SLG4V4826 PARTYBOX300	U42	1

PARTYBOX 300	76-293530-0ATB7	GIFT BOX PARTYBOX300 AS		1
PARTYBOX 300	76-293530-0ATG4	GIFT BOX PARTYBOX300 BR		1
PARTYBOX 300	76-293530-0ATF5	GIFT BOX PARTYBOX300 CN		1
PARTYBOX 300	76-293530-0ATF7	GIFT BOX PARTYBOX300 EU		1
PARTYBOX 300	76-293530-0ATC6	GIFT BOX PARTYBOX300 IN		1
PARTYBOX 300	76-293530-0ATF9	GIFT BOX PARTYBOX300 JN		1
PARTYBOX 300	76-293530-0ATG8	GIFT BOX PARTYBOX300 ME		1
PARTYBOX 300	76-293530-0ATG6	GIFT BOX PARTYBOX300 RU		1
PARTYBOX 300	76-293530-0ATF1	GIFT BOX PARTYBOX300 AM		1
PARTYBOX 300	46-KK022T-02XFC	DC CABLE 2P +MAGNET RING PARTYBOX300		1
JBL PARTY BOX300	08-HPSG15-CS0	MAIN BOARD2PCS PARTYBOX300	5-6	1
PARTYBOX 300	08-HPSG15-PB0	WOODEN BOX ASSY PARTYBOX300	7	1

Remarks:

07-BTM20I-KC123 BT MODULEBM20IK PARTYBOX is using on new main board(silk-screen on PCB is 40-HPSG15-MAC2G)

02-JBG1W2-XX0B1 SIDE COVER PARTYBOX is same structure with old part,just raw material is difference.

08-HPSG15-PF0 FRONT GRILLE ASSY PARTYBOX is same structure with old part,just raw material is difference.

08-HPSG15-PR0 BOTTOM COVER PARTYBOX is same structure with old part,just raw material is difference.

08-HPSG14-PT0 TOP COVER PARTYBOX200 is same structure with old part,just raw material is difference.

08-HPSG15-PT0 TOP COVER PARTYBOX300 is same structure with old part,just raw material is difference.

If the old main board(silk-screen on PCB is 40-HPSG10-MAJ2G) is replaced by new main board(silk-screen on PCB is

40-HPSG15-MAC2G),need to replace the key board by new part number key board together

REVISION LIST

Version 1.0

* Initial release for JBL PARTY BOX 200 & 300. 2018-8

Version 1.1

* Update Spare Parts List 2018-12

Version 1.2

*Update set block diagram/main board&DC board circuit diagram/main board&DC board layout/spare part list.

Remarks:If replace the old main board by new one,need to replace with new key board at the same time. 20190105

Version 1.3

*Update the Spare Parts POR 20190226