Service Manual

JBL FLIP 6 (S/N Starting from CS)

PORTABLE BLUETOOTH SPEAKER

SKU: JBLFLIP6WHT, JBLFLIP6TEAL, JBLFLIP6RED, JBLFLIP6PINK, JBLFLIP6GREY, JBLFLIP6GREN JBLFLIP6BLU, JBLFLIP6BLK, JBLFLIP6BLKEU, JBLFLIP6TEALAM, JBLFLIP6REDAM, JBLFLIP6PINKAM, JBLFLIP6GREYAM, JBLFLIP6GRENAM, JBLFLIP6BLUAM, JBLFLIP6BLKAM, JBLFLIP6WHTAM



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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 EXCLAMA TION 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:



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 change 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 or your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES devices.

POODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing.

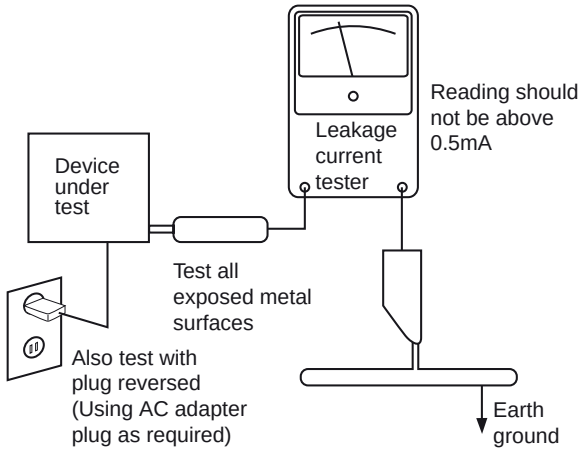
Components identified with the IEC symbol ⚠ in the parts list are special significance to safety. When replacing a component identified with ⚠, use only the replacement parts designated, or parts with the same ratings or resistance, wattage, or voltage that are designated in the parts list in this manual.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

FLIP6

PORTABLE BLUETOOTH SPEAKER



What's in the box:

Speaker
USB cable
Quick start guide
Warranty card
Safety sheet

Features and Benefits:

12 hours of playtime
IP67 Waterproof & dustproof

Technical Specification:

- Transducer: 45x80mm woofer, 16mm tweeter
- Rated output power: 20 W RMS for woofer, 10 W RMS for tweeter
- Frequency response: 20Hz to 19KHz +/- 1dB
- Signal-to-noise ratio: > 80 dB
- Battery type: Li-ion polymer 17.28 Wh (equivalent to 3.6 V/ 4800 mAh)
- Battery charge time: 2.5 hours (5 V / 3 A)
- Music play time: up to 12 hours (dependent on volume level and audio content)
- USB port: Type C
- Bluetooth® version: 5.1
- Bluetooth® profile: A2DP 1.3, AVRCP 1.6
- Bluetooth® transmitter frequency range: 2400 MHz - 2483.5 MHz
- Bluetooth® transmitter power: ≤ 10 dBm (EIRP)
- 2.4GHz SRD frequency range: 2407 MHz - 2475 MHz
- SRD transmitter power: < 20 dBm
- Product dimensions (W x H x D): 178 x 68 x 72 mm / 7.0 x 2.6 x 2.8”
- Net weight: 0.55 kg / 1.21 lbs
- Packaging dimensions (W x H x D): 216 x 106 x 99 mm / 8.5 x 4.2 x 3.9”
- Gross weight: 0.92 kg / 2.05 lbs

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Software Upgrade Instruction& Reset Procedure

1.Restore factory setting

1) Hold down <Play>, <Volume +>for 2 seconds.
2) Then, hear the sound of a power off, Sound turned off.
3) After factory settings restored, press <Power>, restore factory to complete.

2.Check software version

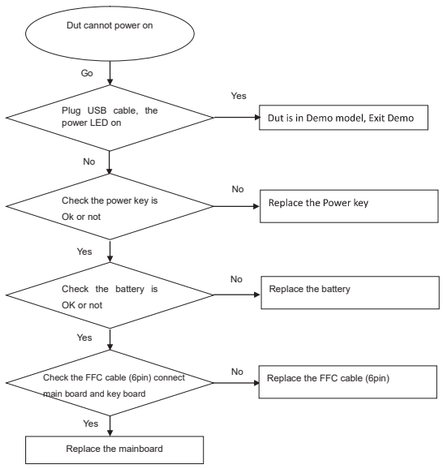
1) Hold down <Link>, <Volume ->for 2 seconds.
2) Speaker automatically announces the current software version number.

3.Software Upgrade

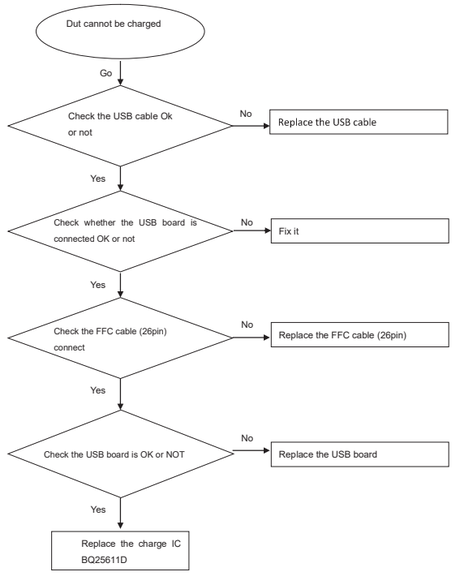
1) Power off state, press< Volume +>, <BT>, then press<Power>for 3 seconds.
2) Saw the <Power> light flashing, Plug in a USB cable to connect computer.
3) Open the upgrade software“MPFlashTool3.0”, select the correct serial com, select “Run”.
4) After the upgrade is completed, the system will power off.

Trouble Shooting

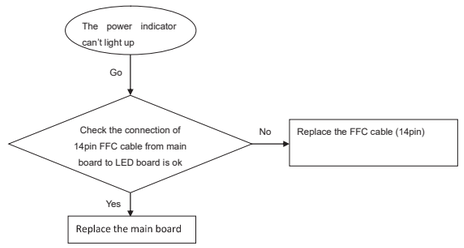
1. Dut can't power on



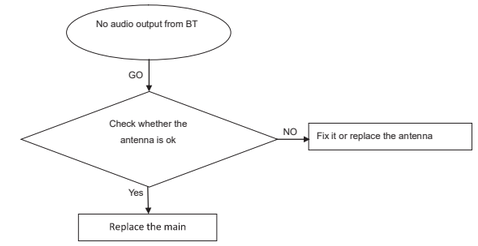
2. Dut can't charge



3. The power indicator can't light up



4, No audio output from BT



DISASSEMBLY INSTRUCTIONS

A. Dismantling the Fabric Grille

1) Use a flathead screwdriver to pry the fabric grille as shown in figure 1
2) Move backward the Grille Assembly to remove the Grille Assembly as shown in figure 2.

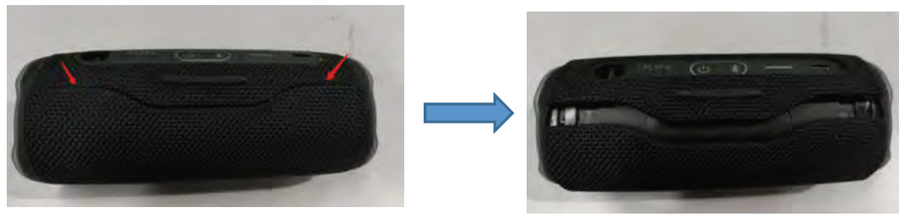


Figure 1



Figure 2

B. Disassemble the Left and Right End Caps and Passive Radiators

1） Use a flathead screwdriver to pry the buckle and remove the left and right end covers as shown in figure 3



Figure 3

C. Dismantling the tweeter and woofer

1) Loosen the screws as shown in figure 4.
2) Unplug the speaker cable, remove the woofer as shown in figure 5
3) Pry the tweeter open as shown in figure 6



Figure 4



Figure 5



Figure 6

D. Dismantling of the battery cover and Rear decorative cover

1) Loosen the screws and remove the battery cover as shown in figure 7
2) Pry the snap open and remove the rear decorative cover as shown in figure 8

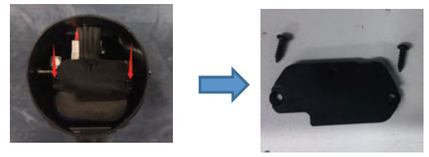


Figure 7

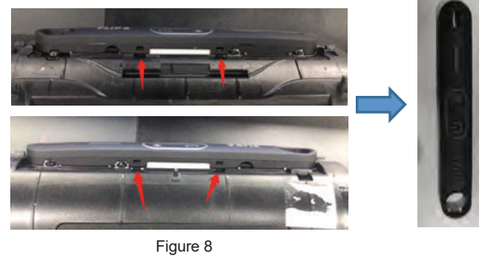


Figure 8

E. Dismantling of Mainboard and battery

1) Open the buckle to disconnect the cables as shown in figure 9
2) Tear off the antenna as shown in figure 10
3) Push out the Main Board and battery carefully as shown in figure 11

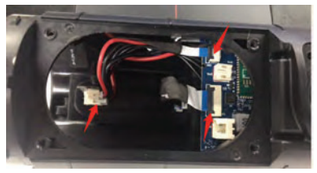


Figure 9



Figure 10



Figure 11

F. Dismantling of the key board, light board and USB board

1) Tear off the silicone , loosen screws, and carefully pry out the Key Board from the arrow position as shown in figure 12
2) Loosen screws, take out the USB end cover and USB Board as shown infigure13
3) Loosen screws, tear off the silicone button and carefully pry out the Light Board as shown in figure 14

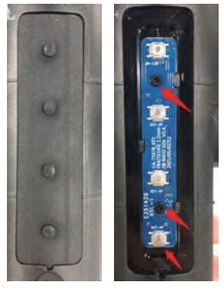


Figure12

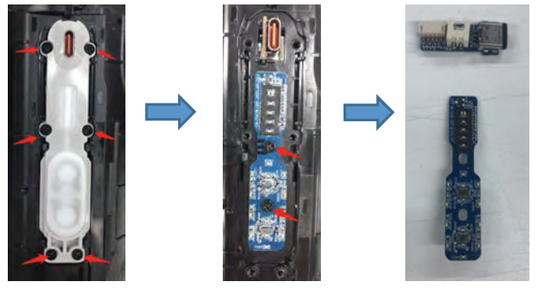
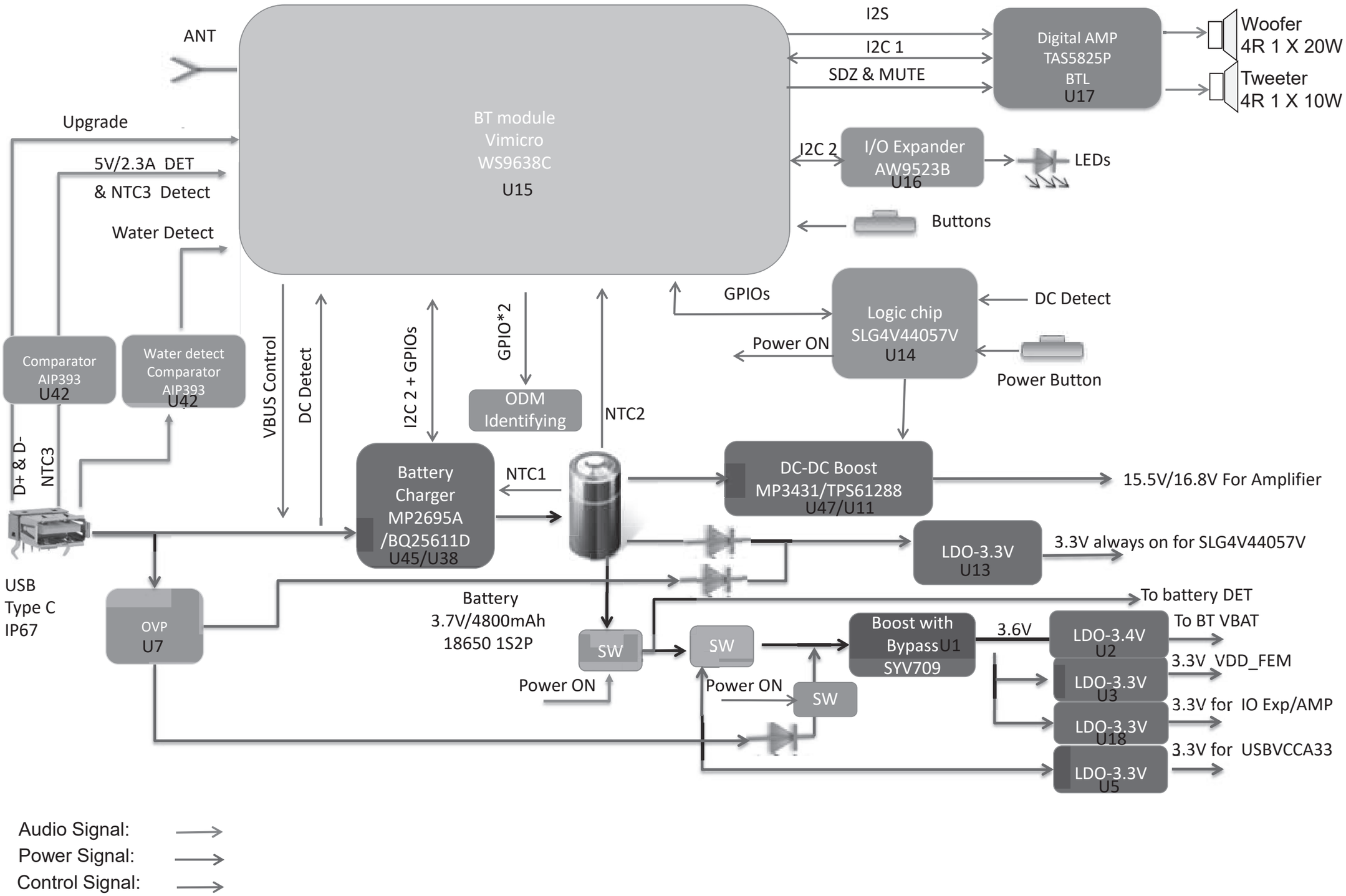


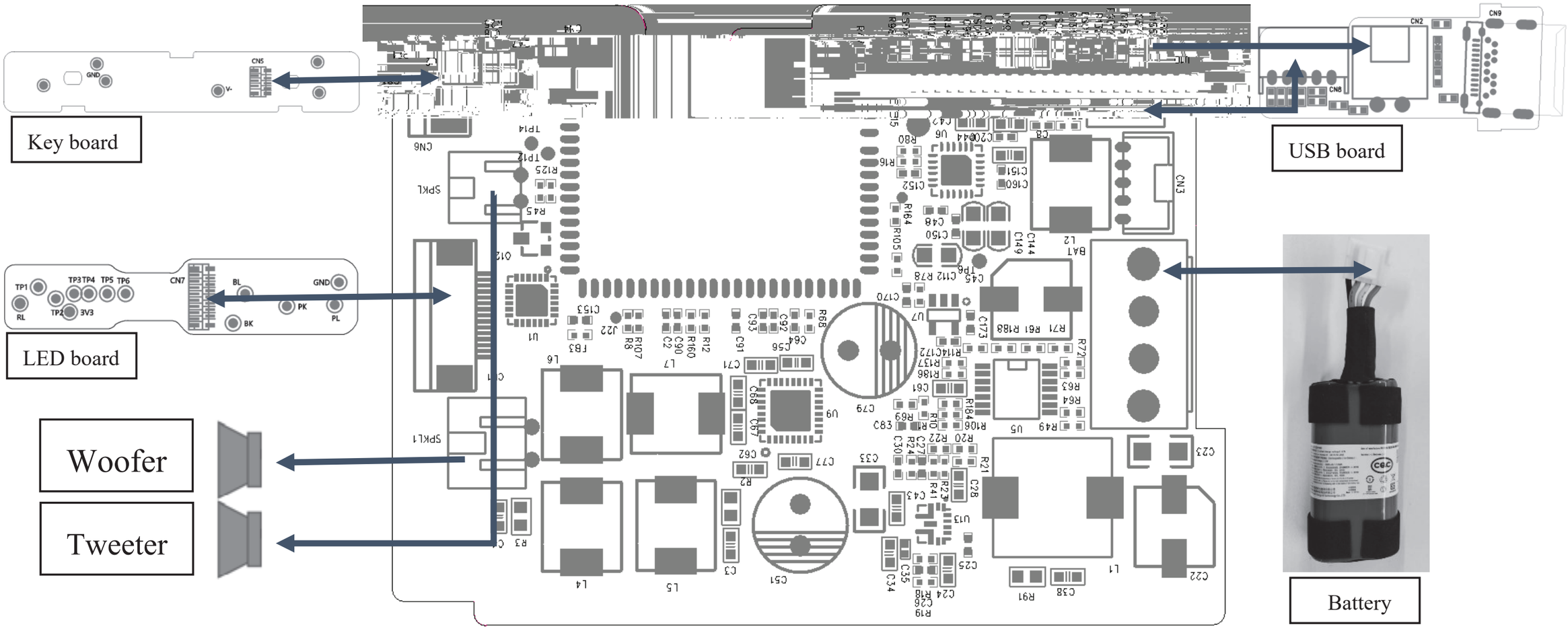
Figure13

Figure 14

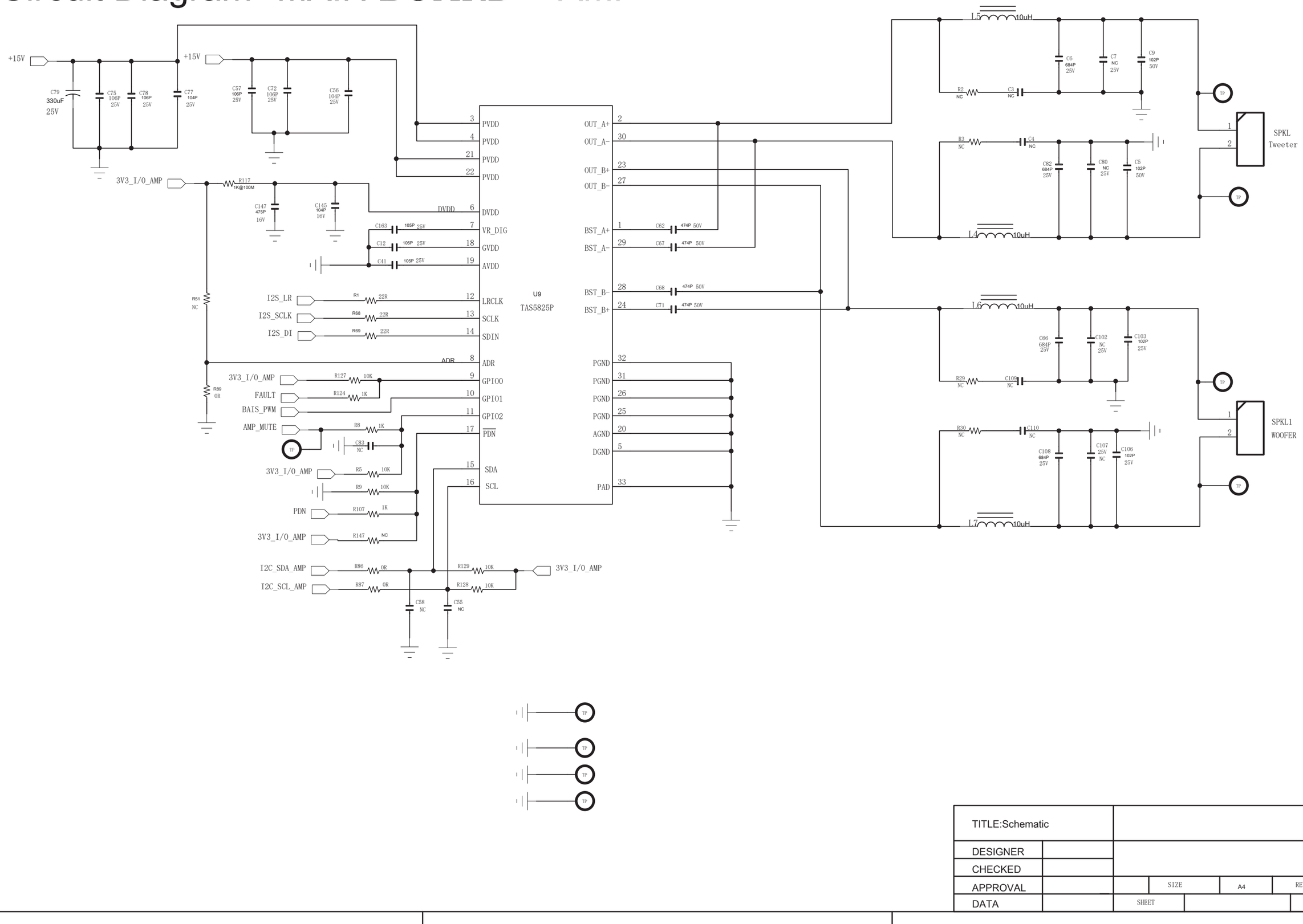
Block Diagram for TI Solution



Wiring Diagram



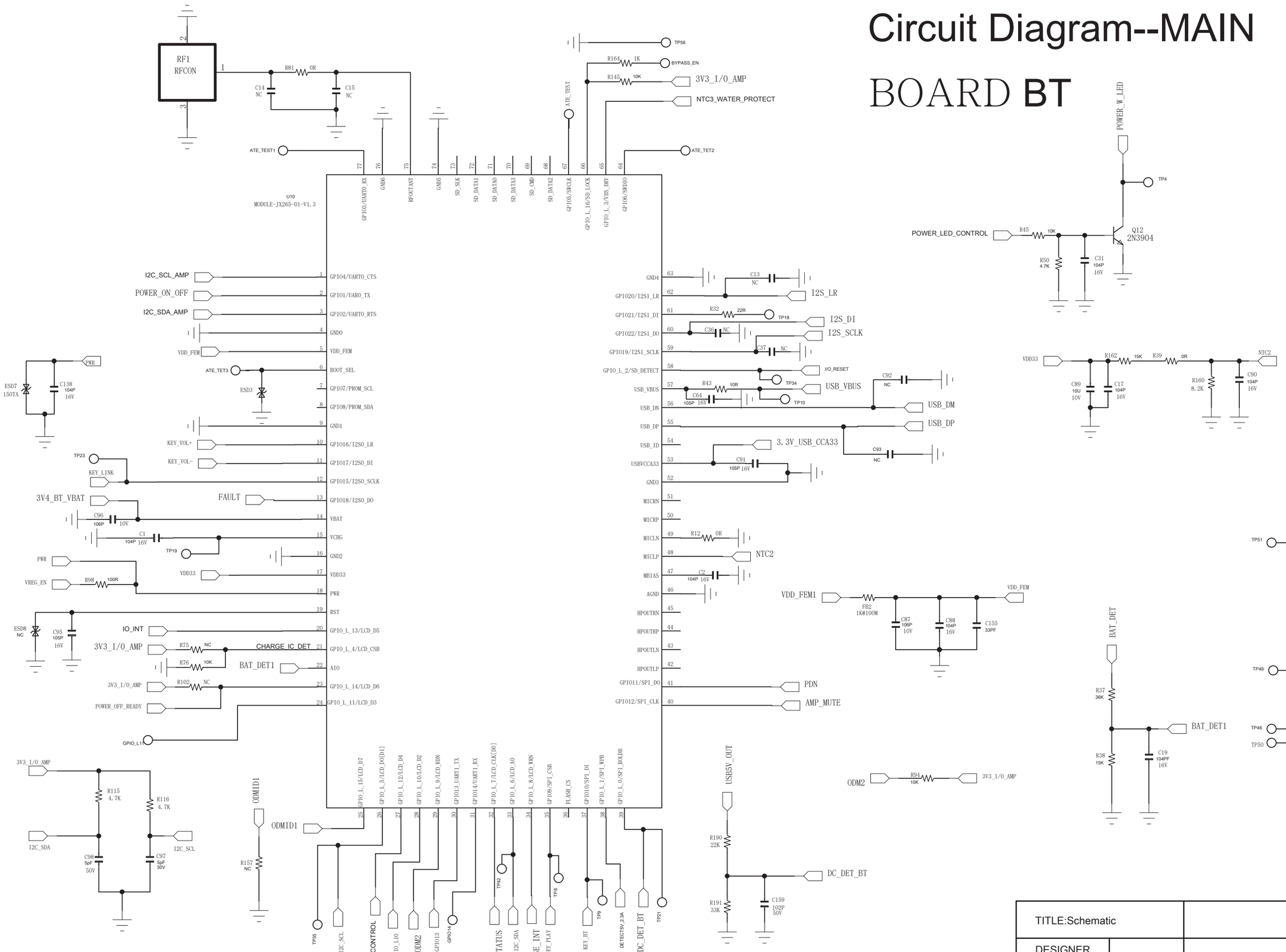
Circuit Diagram--MAIN BOARD AMP



TITLE:Schematic					
DESIGNER					
CHECKED					
APPROVAL			SIZE	A4	REV 1.6
DATA		SHEET			

Circuit Diagram--MAIN

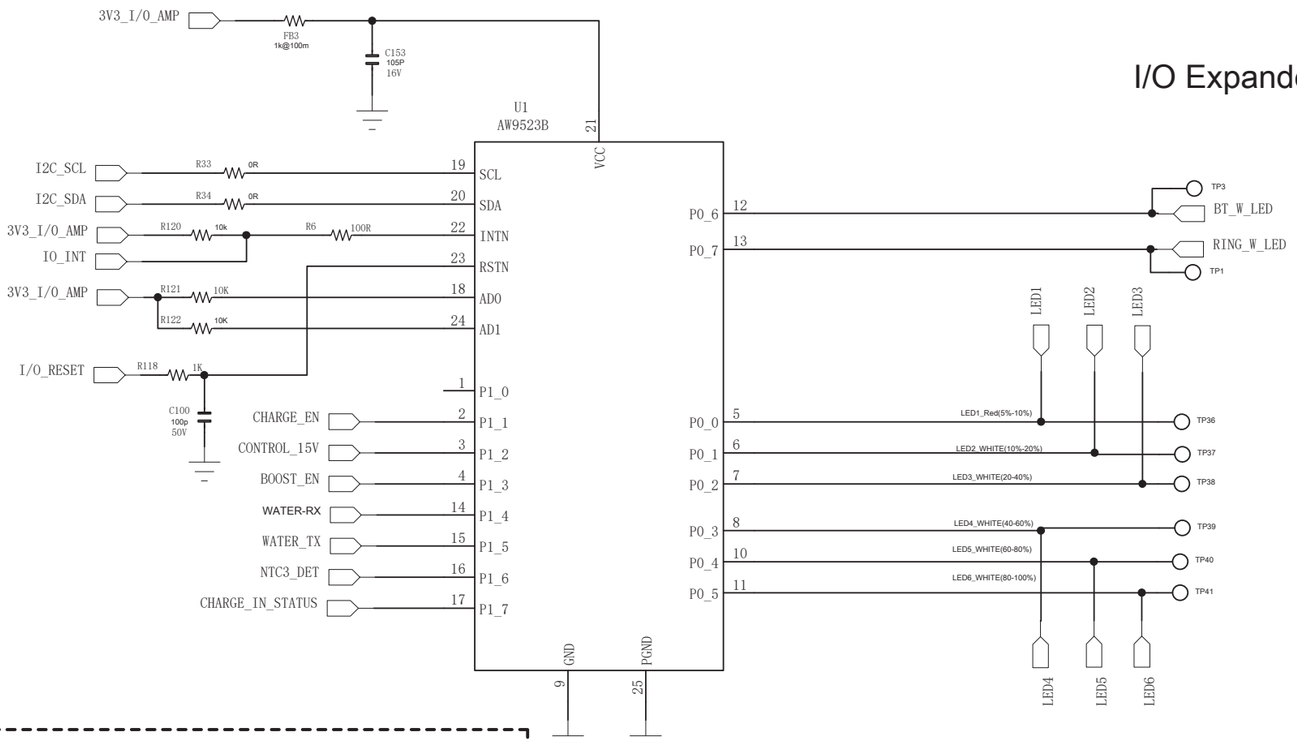
BOARD **BT**

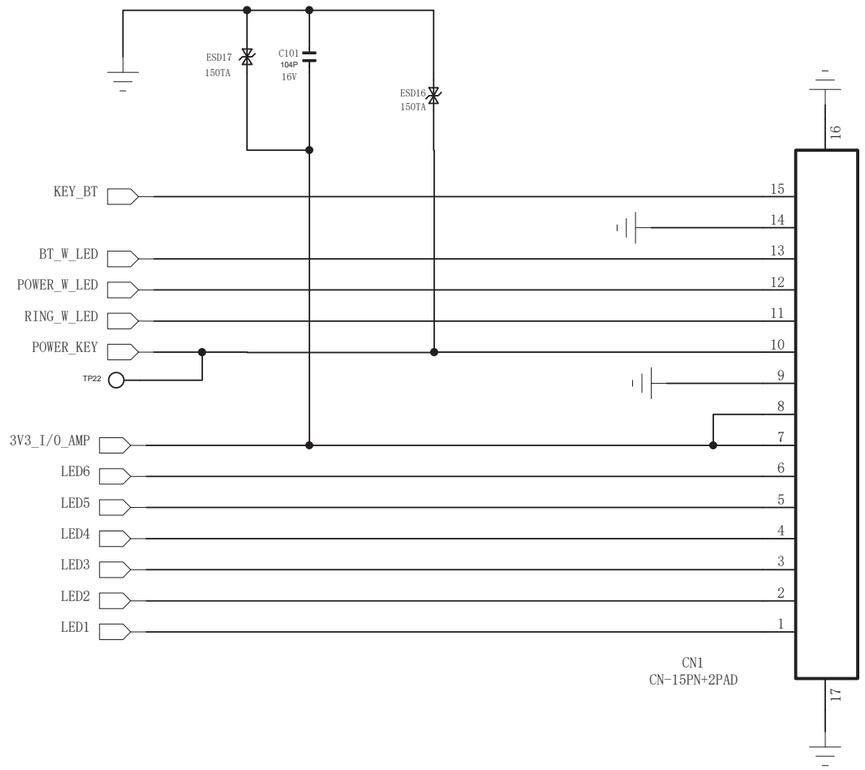


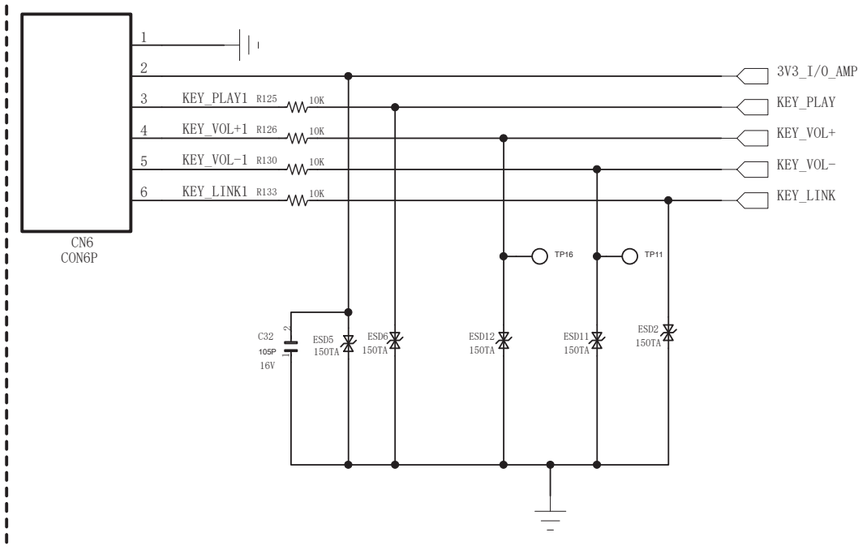
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APPROVAL			SIZE	A4	REV 1.6
DATA		SHEET			

Circuit Diagram--MAIN Board

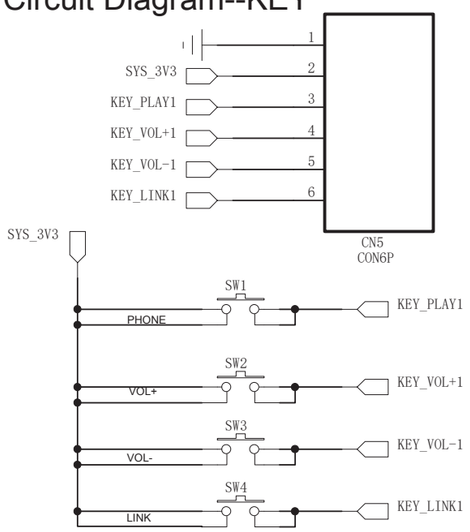
I/O Expander







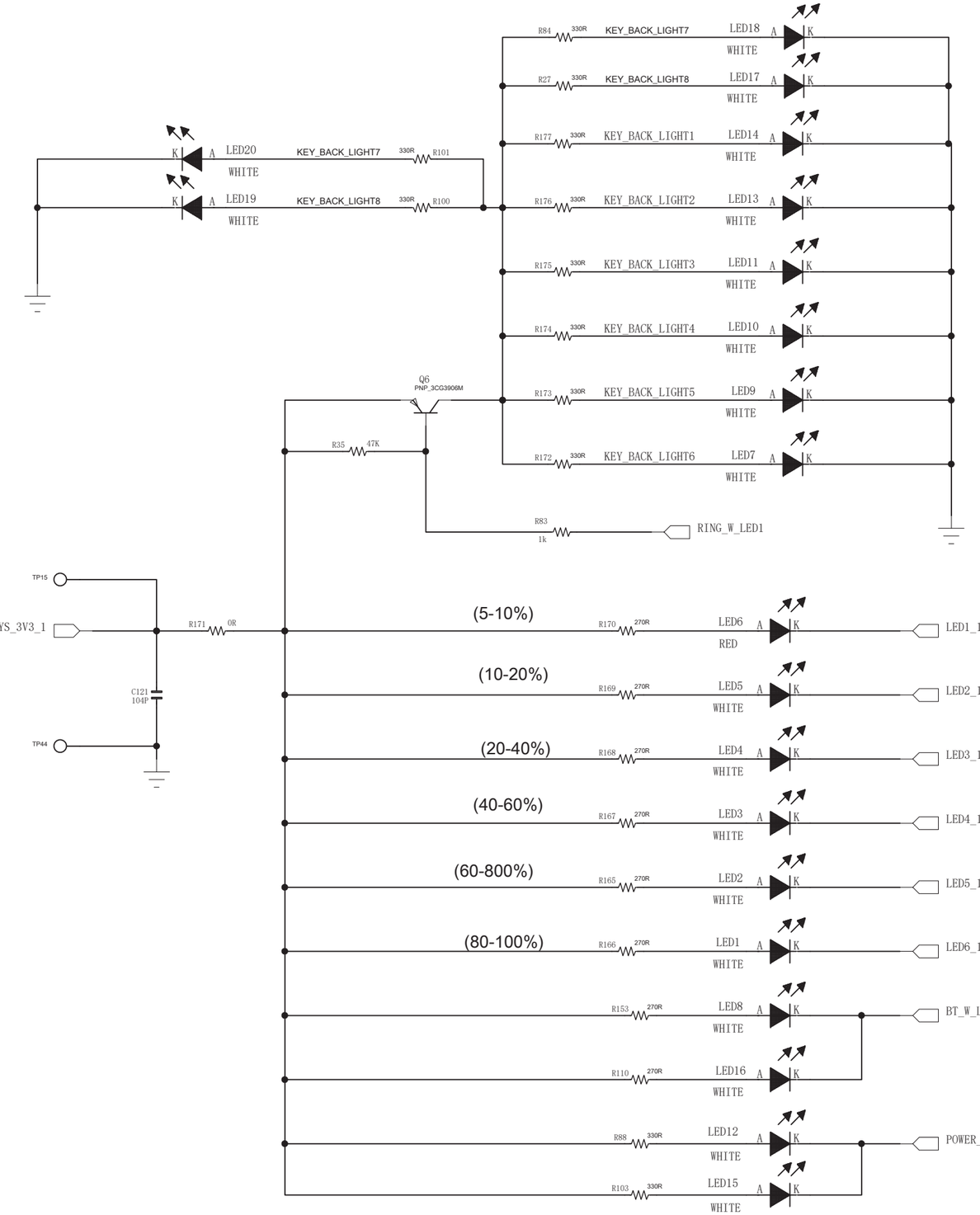
Circuit Diagram--KEY

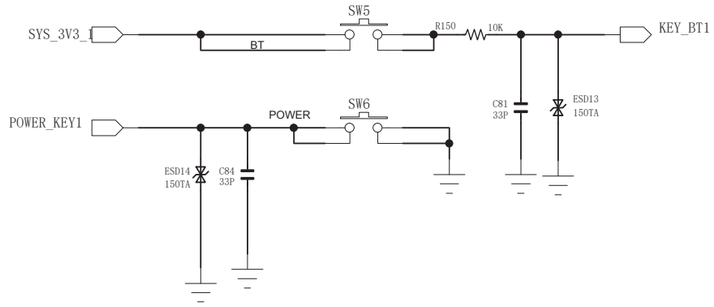


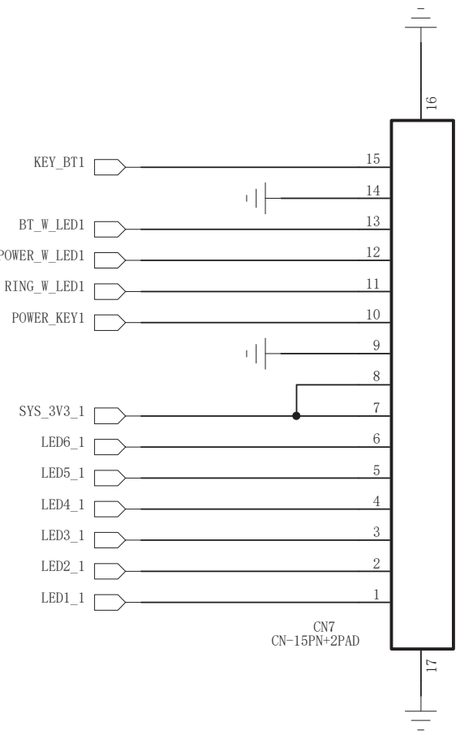
Key board

TITLE:Schematic					
DESIGNER					
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APPROVAL			SIZE	A4	REV 1.6
DATA		SHEET			

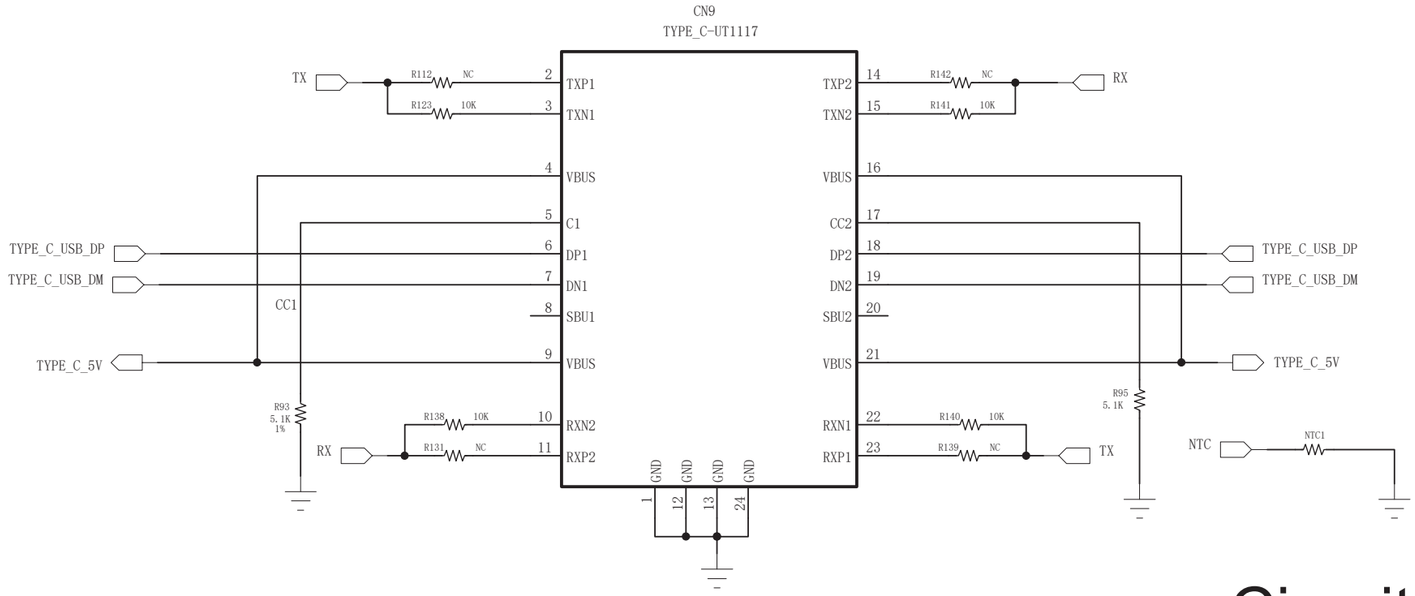
Circuit Diagram--LED PBCA

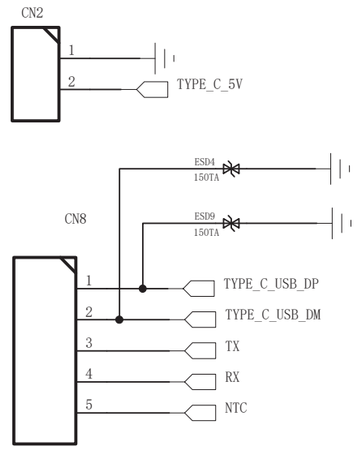






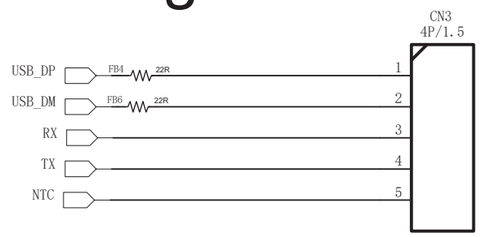
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DATA			SHEET		

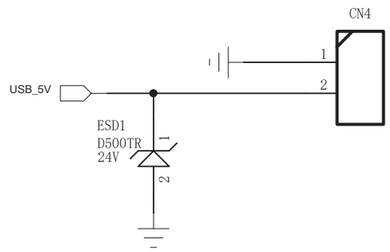




Circuit Diagram--USB PBCA

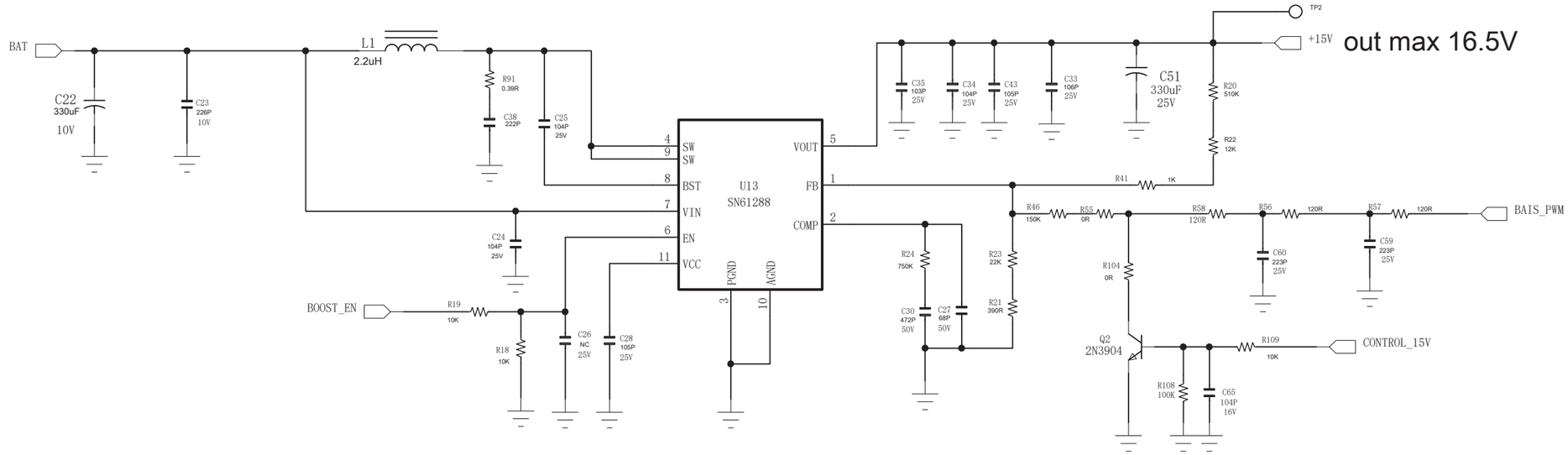
Circuit Diagram--MAIN PBCA



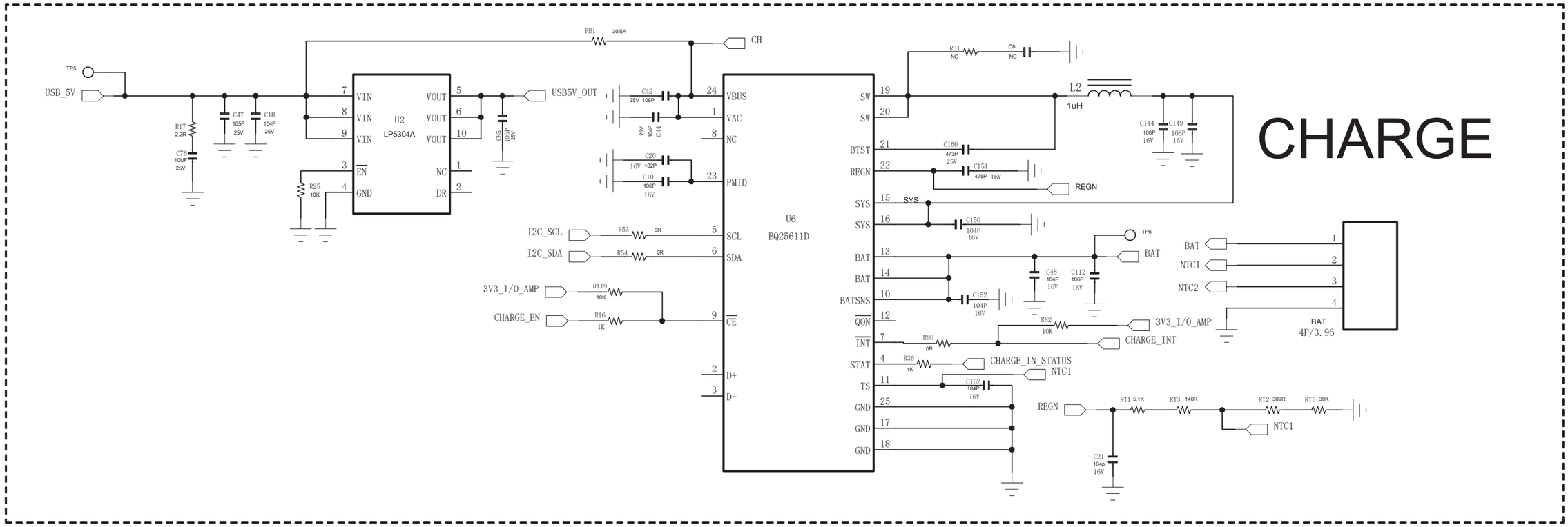


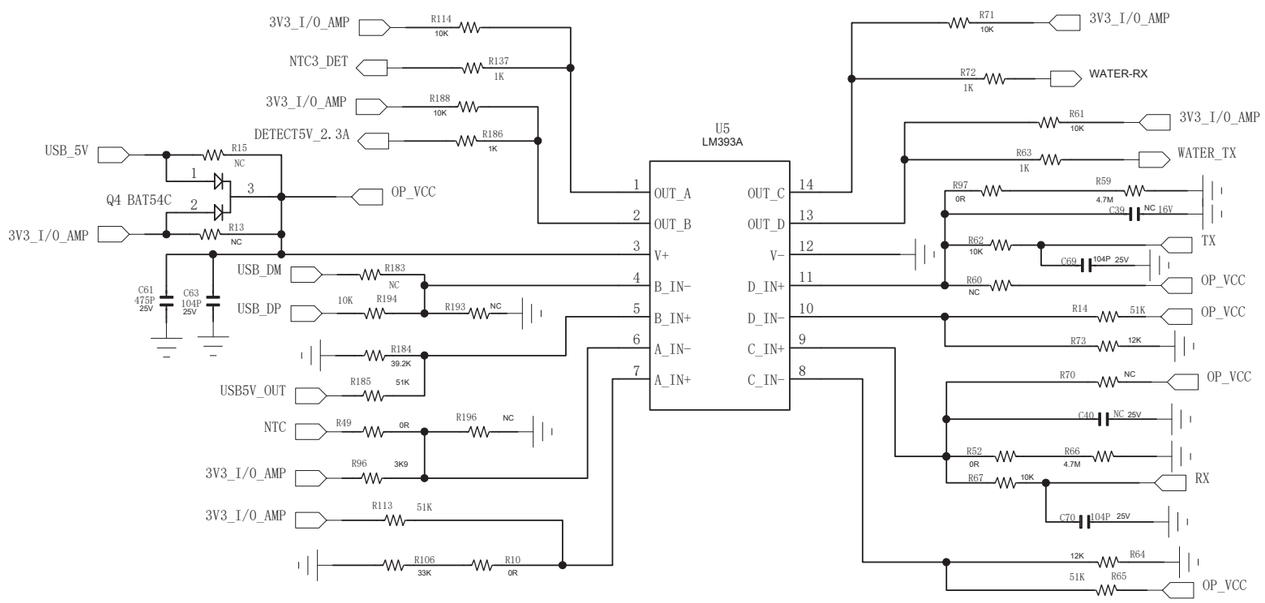
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DATA		SHEET			

BOOSTER



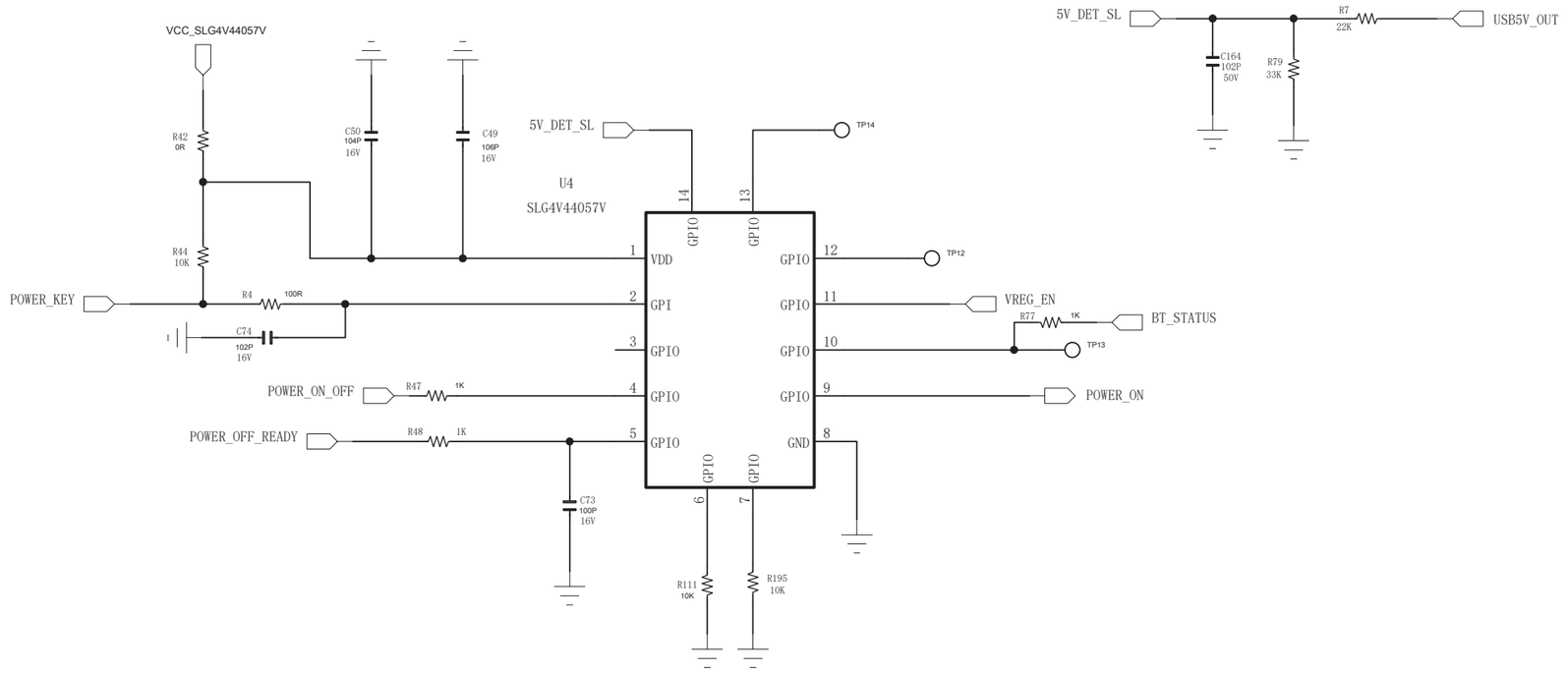
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DATA		SHEET			





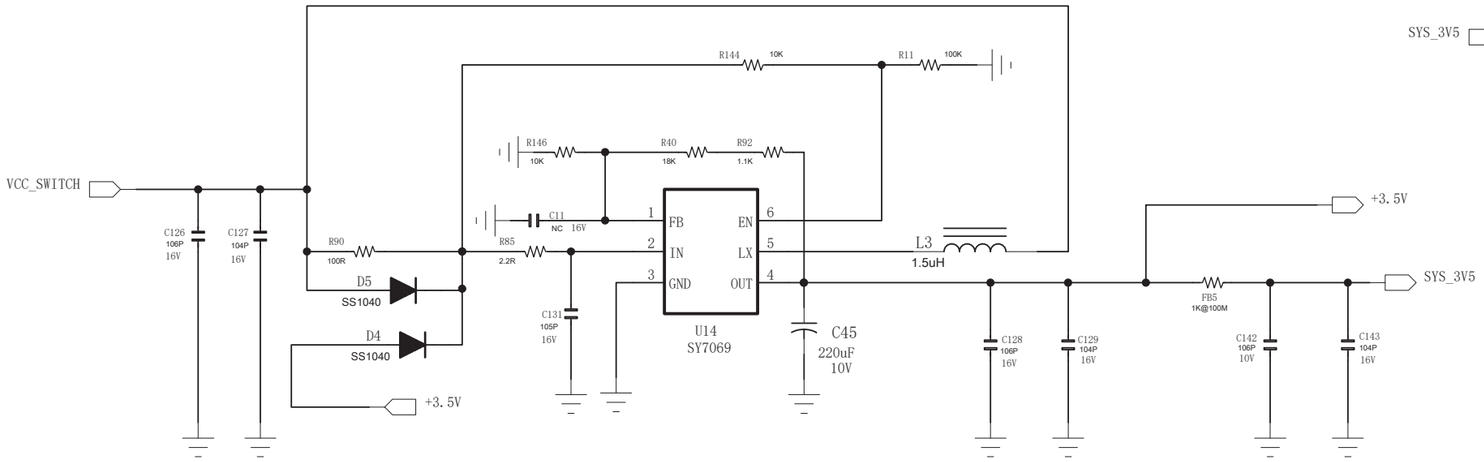
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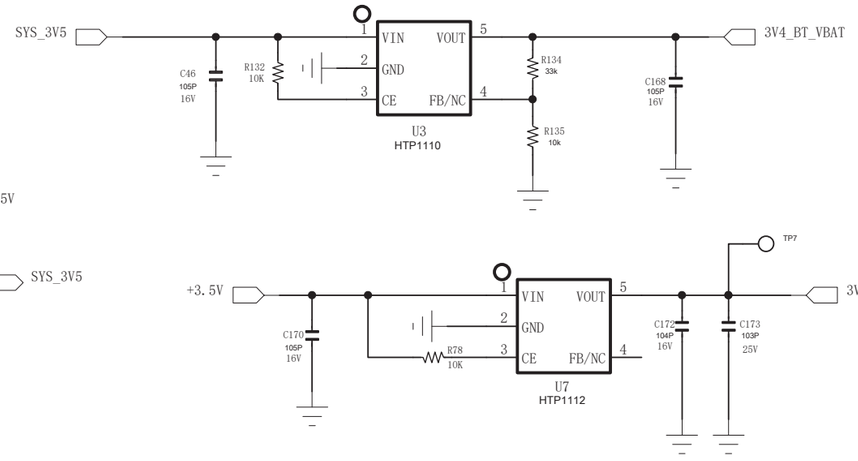
Logic Control

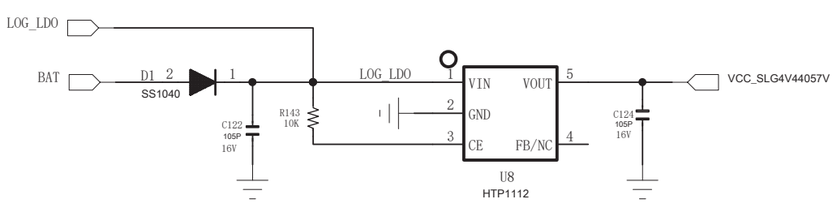


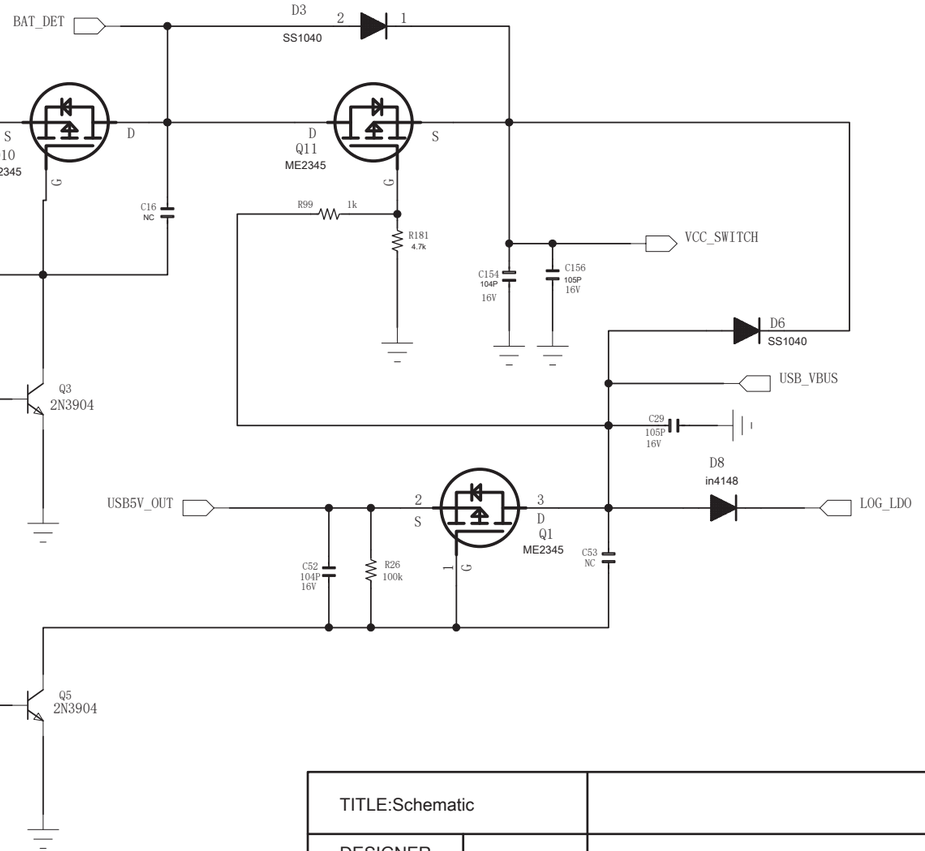
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LDO&DC/DC



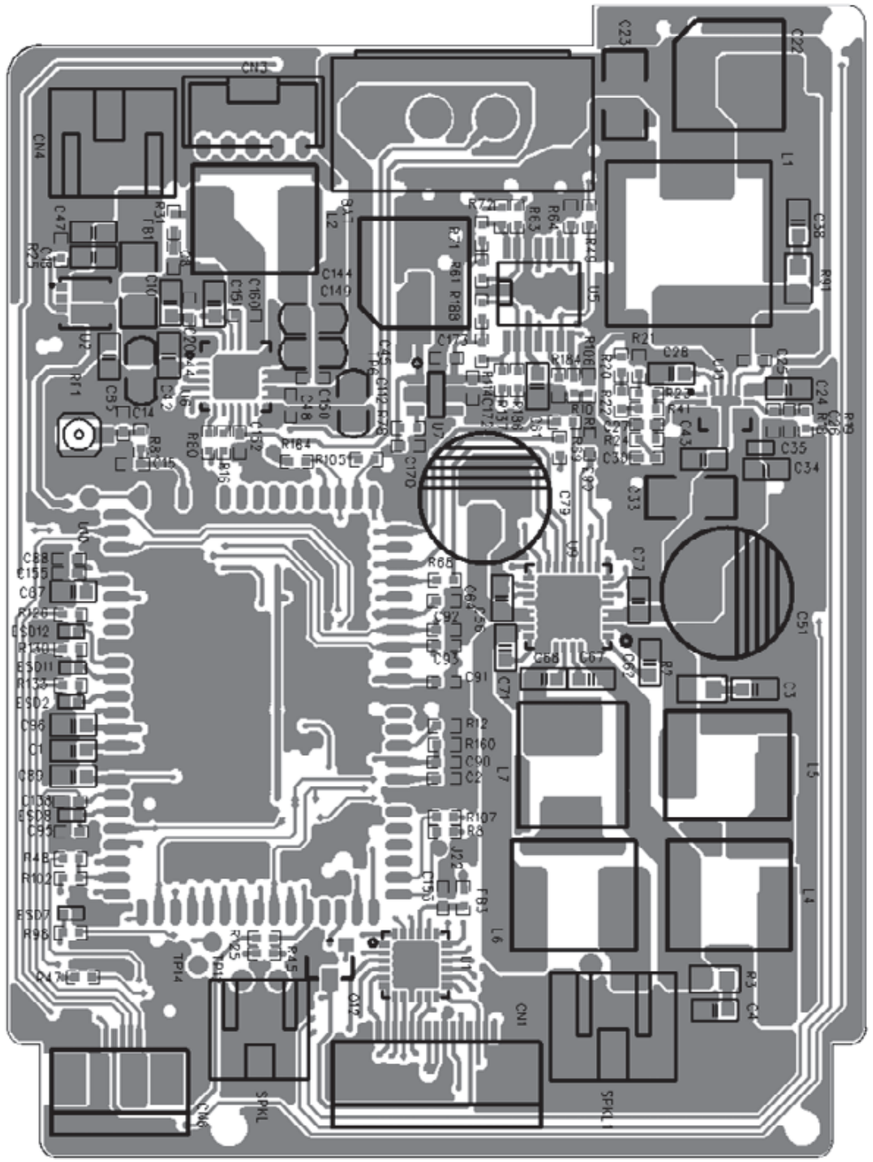




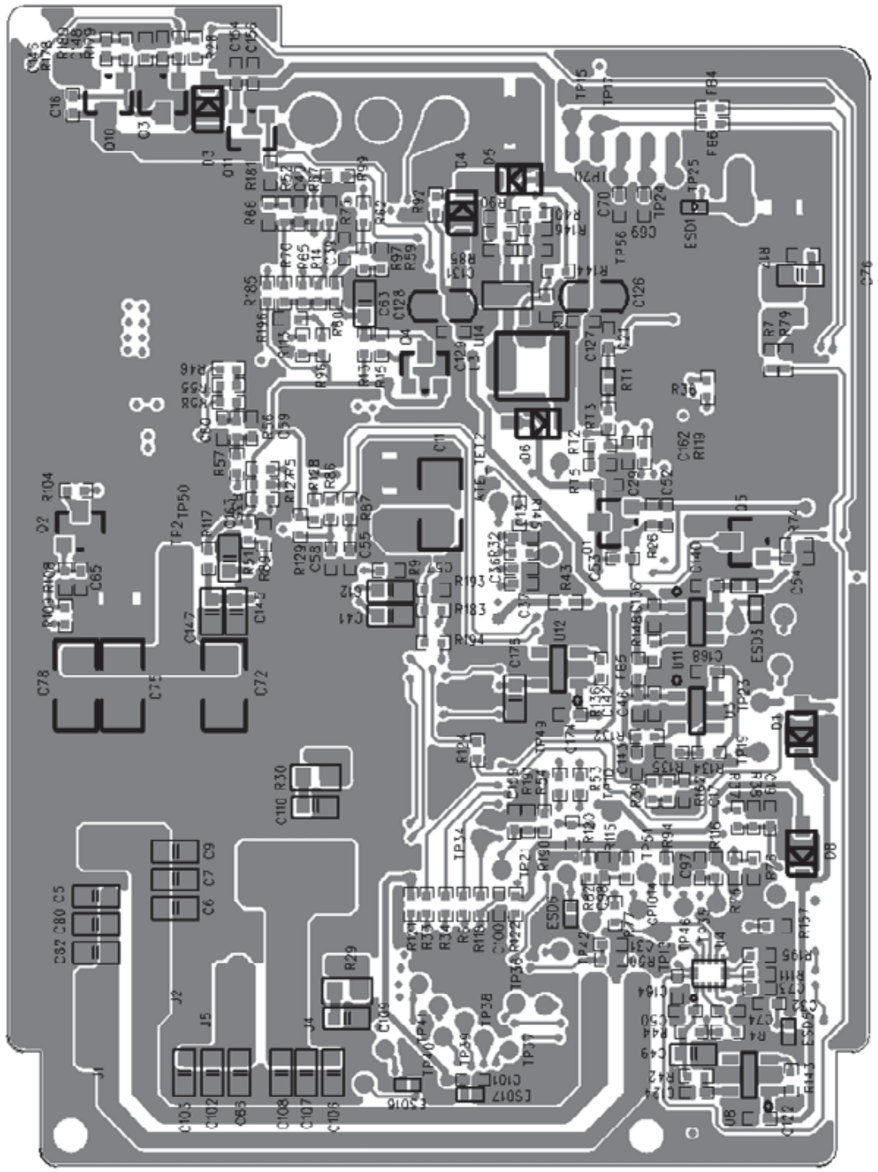


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DATA						

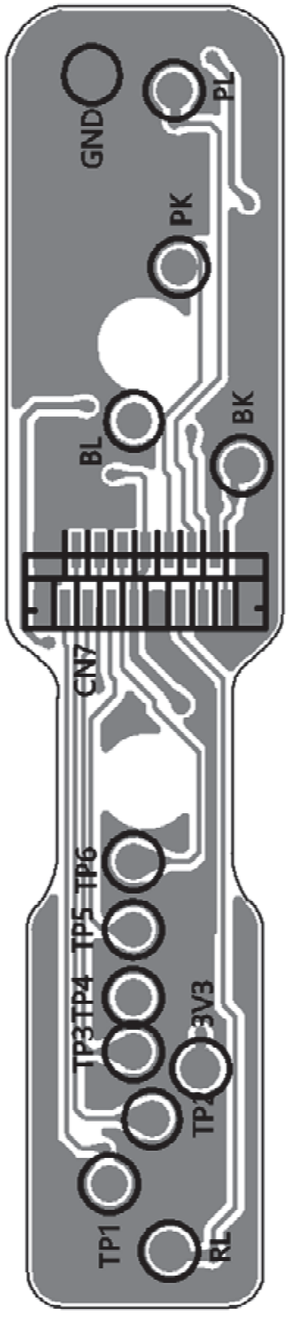
Layout Diagram Top View-Main PCBA



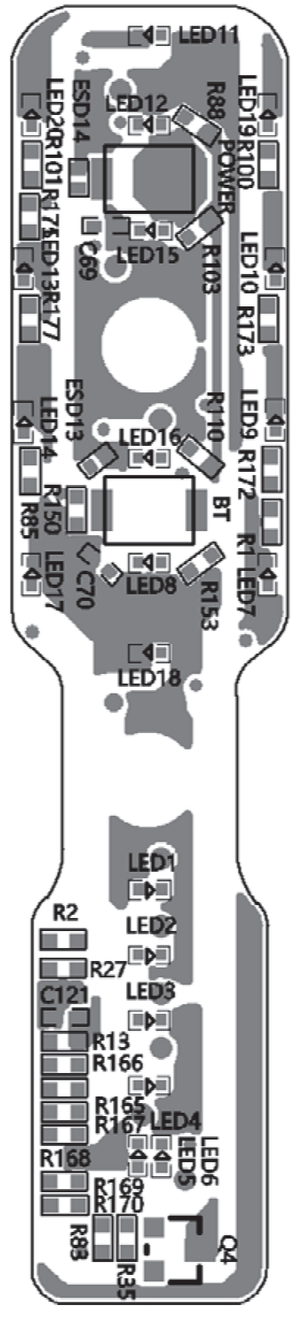
Layout Diagram Bottom View-Main PCBA#



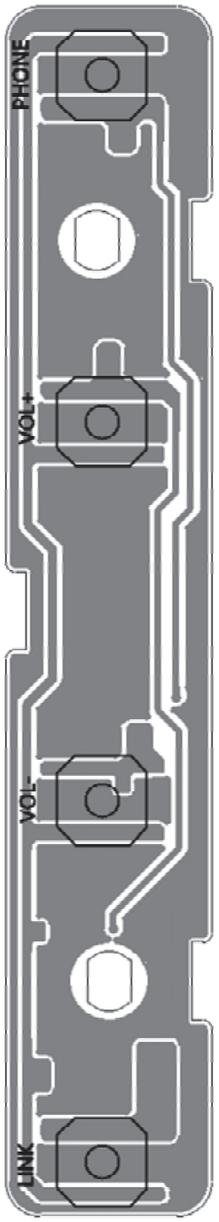
Layout Diagram Top View-LED PCBA



Layout Diagram Bottom View-LED PCBA#



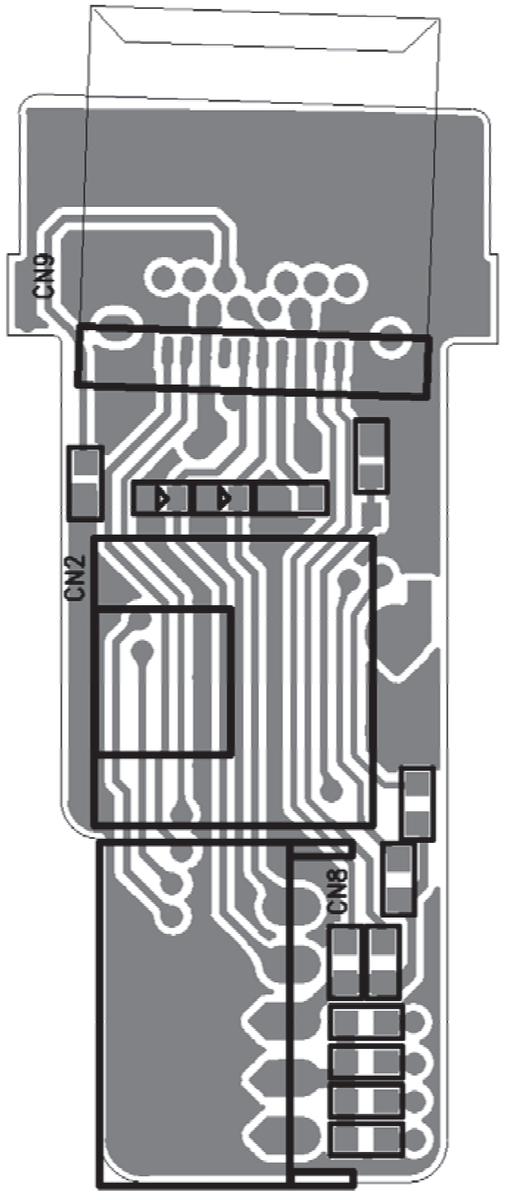
Layout Diagram Top View-KEY　PCBA



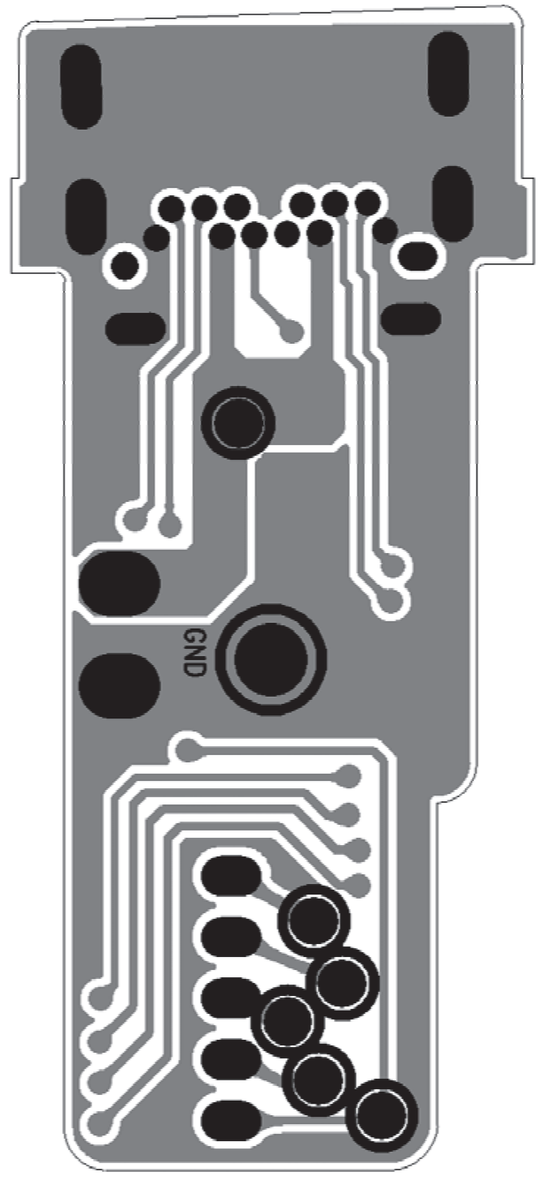
Layout Diagram Bottom View-KEY PCBA#



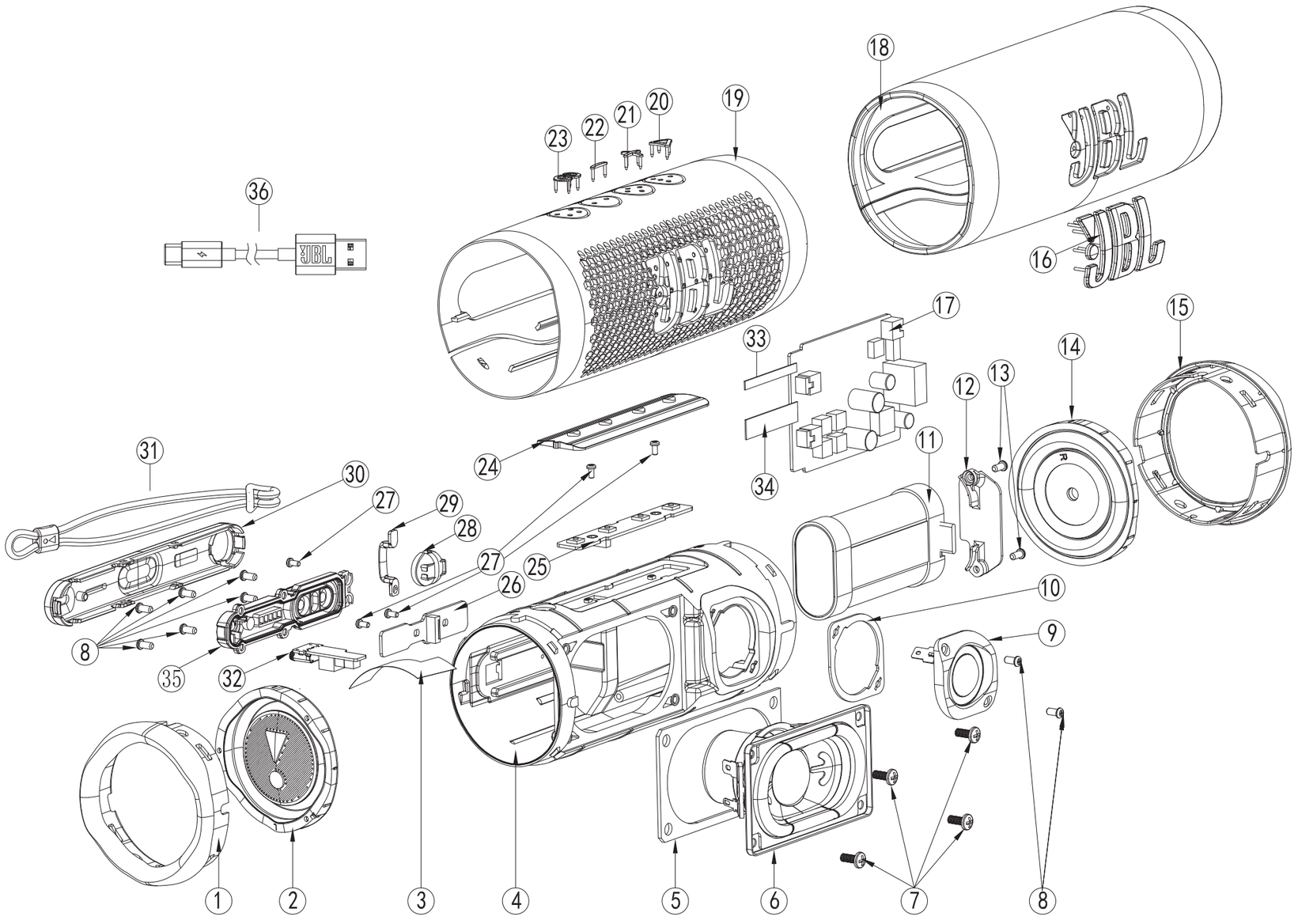
Layout Diagram Top View-USB PCBA



Layout Diagram Bottom View-KEY PCBA#



MECHANICAL EXPLODED VIEW



Pos. No.	Part Number	Description	Usage	UoM
1	1003047567B0001	SIDE COVER L BLK FLIP6 CS	1	EA
1	1003047567B0002	SIDE COVER L TEAL FLIP6 CS	1	EA
1	1003047567B0003	SIDE COVER L GREN FLIP6 CS	1	EA
1	1003047567B0004	SIDE COVER L RED FLIP6 CS	1	EA
1	1003047567B0005	SIDE COVER L PINK FLIP6 CS	1	EA
1	1003047567B0006	SIDE COVER L BLU FLIP6 CS	1	EA
1	1003047567B0007	SIDE COVER L GREY FLIP6 CS	1	EA
1	1003047567B0008	SIDE COVER L WHT FLIP6 CS	1	EA
2	1003047567B0009	PASSIVE RADIATOR L BLK FLIP6 CS	1	EA
2	1003047567B0010	PASSIVE RADIATOR L TEAL FLIP6 CS	1	EA
2	1003047567B0011	PASSIVE RADIATOR L GREN FLIP6 CS	1	EA
2	1003047567B0012	PASSIVE RADIATOR L RED FLIP6 CS	1	EA
2	1003047567B0013	PASSIVE RADIATOR L PINK FLIP6 CS	1	EA
2	1003047567B0014	PASSIVE RADIATOR L BLU FLIP6 CS	1	EA
2	1003047567B0015	PASSIVE RADIATOR L GREY FLIP6 CS	1	EA
2	1003047567B0016	PASSIVE RADIATOR L WHT FLIP6 CS	1	EA
3	1003047567B0017	ANTENNA FLIP6 CS	1	EA
4	1003047567B0018	MAIN BODY FLIP6 CS	1	EA
5	1003047567B0019	SPEAKER SEALING GASKET FLIP6 CS	1	EA
6	1003047567B0020	45*80MM SPEAKER FLIP6 CS	1	EA
7	1003047567B0021	SCREW PWB3.0*7MM FLIP6 CS	4	EA
8+13	1003047567B0022	SCREW PB2.6*5.5MM FLIP6 CS	8	EA
9	1003047567B0023	TWEETER FLIP6 CS	1	EA
10	1003047567B0024	TWEETER SEALING GASKET FLIP6 CS	1	EA
11	1003047567B0025	BATTERY 3.6V/4800MAH FLIP6 CS	1	EA
12	1003047567B0026	BATTERY COVER FLIP6 CS	1	EA
13	1003047567B0027	SCREW PA2.6*6MM FLIP6 CS	2	EA
14	1003047567B0028	PASSIVE RADIATOR R BLK FLIP6 CS	1	EA
14	1003047567B0029	PASSIVE RADIATOR R TEAL FLIP6 CS	1	EA
14	1003047567B0030	PASSIVE RADIATOR R GREN FLIP6 CS	1	EA
14	1003047567B0031	PASSIVE RADIATOR R RED FLIP6 CS	1	EA
14	1003047567B0032	PASSIVE RADIATOR R PINK FLIP6 CS	1	EA
14	1003047567B0033	PASSIVE RADIATOR R BLU FLIP6 CS	1	EA
14	1003047567B0034	PASSIVE RADIATOR RGREY FLIP6 CS	1	EA
14	1003047567B0035	PASSIVE RADIATOR R WHT FLIP6 CS	1	EA
15	1003047567B0036	SIDE COVER R BLK FLIP6 CS	1	EA
15	1003047567B0037	SIDE COVER R TEAL FLIP6 CS	1	EA
15	1003047567B0038	SIDE COVER R GREN FLIP6 CS	1	EA
15	1003047567B0039	SIDE COVER R RED FLIP6 CS	1	EA
15	1003047567B0040	SIDE COVER R PINK FLIP6 CS	1	EA
15	1003047567B0041	SIDE COVER R BLU FLIP6 CS	1	EA
15	1003047567B0042	SIDE COVER R GREY FLIP6 CS	1	EA
15	1003047567B0043	SIDE COVER R WHT FLIP6 CS	1	EA
16+18+19+20+21+22+23	1003047567B0044	FABRIC GRILLE ASSY BLK FLIP6 CS	1	EA
16+18+19+20+21+22+23	1003047567B0045	FABRIC GRILLE ASSY TEAL FLIP6 CS	1	EA
16+18+19+20+21+22+24	1003047567B0046	FABRIC GRILLE ASSY GREN FLIP6 CS	1	EA
16+18+19+20+21+22+25	1003047567B0047	FABRIC GRILLE ASSY RED FLIP6 CS	1	EA
16+18+19+20+21+22+26	1003047567B0048	FABRIC GRILLE ASSY PINK FLIP6 CS	1	EA
16+18+19+20+21+22+27	1003047567B0049	FABRIC GRILLE ASSY BLU FLIP6 CS	1	EA
16+18+19+20+21+22+28	1003047567B0050	FABRIC GRILLE ASSY RGREY FLIP6 CS	1	EA
16+18+19+20+21+22+29	1003047567B0051	FABRIC GRILLE ASSY WHT FLIP6 CS	1	EA
17	1003047567B0052	MAIN BOARD FLIP6 CS	1	EA
24	1003047567B0053	BOTTON FLIP6 CS	1	EA
25	1003047567B0054	KEY BOARD FLIP6 CS	1	EA
26	1003047567B0055	LED BOARD FLIP6 CS	1	EA
27	1003047567B0056	SCREW PB2.0*3MM FLIP6 CS	5	EA
28	1003047567B0057	STRAP DECORATION BLK L FLIP6 CS	1	EA
28	1003047567B0058	STRAP DECORATION TEAL L FLIP6 CS	1	EA
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30	1003047567B0074	CONTROL PANEL TEAL FLIP6 CS	1	EA
30	1003047567B0075	CONTROL PANEL GREN FLIP6 CS	1	EA
30	1003047567B0076	CONTROL PANEL RED FLIP6 CS	1	EA
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30	1003047567B0078	CONTROL PANEL BLU FLIP6 CS	1	EA
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31	1003047567B0086	ROPE BLU FLIP6 CS	1	EA
31	1003047567B0087	ROPE GREY FLIP6 CS	1	EA
31	1003047567B0088	ROPE WHT FLIP6 CS	1	EA
32	1003047567B0089	USB BOARD FLIP6 CS	1	EA
33	1003047567B0090	FFC CABLE 6P 70MM FLIP6 CS	1	EA
34	1003047567B0091	FFC CABLE 15P 70MM FLIP6 CS	1	EA
35	1003047567B0092	LIGHT GUIDE FLIP6 CS	1	EA
36	1003047567B0093	USB CABLE FLIP6 CS	1	EA

JBL FLIP 6 CS SPARE PARTS LIST V1.0

Pos. No.	Part Number	Description	Usage	UoM
1	1003047567B0001	SIDE COVER L BLK FLIP6 CS	1	EA
1	1003047567B0002	SIDE COVER L TEAL FLIP6 CS	1	EA
1	1003047567B0003	SIDE COVER L GREN FLIP6 CS	1	EA
1	1003047567B0004	SIDE COVER L RED FLIP6 CS	1	EA
1	1003047567B0005	SIDE COVER L PINK FLIP6 CS	1	EA
1	1003047567B0006	SIDE COVER L BLU FLIP6 CS	1	EA
1	1003047567B0007	SIDE COVER L GREY FLIP6 CS	1	EA
1	1003047567B0008	SIDE COVER L WHT FLIP6 CS	1	EA
2	1003047567B0009	PASSIVE RADIATOR L BLK FLIP6 CS	1	EA
2	1003047567B0010	PASSIVE RADIATOR L TEAL FLIP6 CS	1	EA
2	1003047567B0011	PASSIVE RADIATOR L GREN FLIP6 CS	1	EA
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2	1003047567B0013	PASSIVE RADIATOR L PINK FLIP6 CS	1	EA
2	1003047567B0014	PASSIVE RADIATOR L BLU FLIP6 CS	1	EA
2	1003047567B0015	PASSIVE RADIATOR L GREY FLIP6 CS	1	EA
2	1003047567B0016	PASSIVE RADIATOR L WHT FLIP6 CS	1	EA
3	1003047567B0017	ANTENNA FLIP6 CS	1	EA
4	1003047567B0018	MAIN BODY FLIP6 CS	1	EA
5	1003047567B0019	SPEAKER SEALING GASKET FLIP6 CS	1	EA
6	1003047567B0020	45*80MM SPEAKER FLIP6 CS	1	EA
7	1003047567B0021	SCREW PWB3.0*7MM FLIP6 CS	4	EA
8+13	1003047567B0022	SCREW PB2.6*5.5MM FLIP6 CS	8	EA
9	1003047567B0023	TWEETER FLIP6 CS	1	EA
10	1003047567B0024	TWEETER SEALING GASKET FLIP6 CS	1	EA
11	1003047567B0025	BATTERY 3.6V/4800MAH FLIP6 CS	1	EA
12	1003047567B0026	BATTERY COVER FLIP6 CS	1	EA
13	1003047567B0027	SCREW PA2.6*6MM FLIP6 CS	2	EA
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14	1003047567B0034	PASSIVE RADIATOR RGREY FLIP6 CS	1	EA
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15	1003047567B0037	SIDE COVER R TEAL FLIP6 CS	1	EA
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15	1003047567B0043	SIDE COVER R WHT FLIP6 CS	1	EA
16+18+19+20+21+22+23	1003047567B0044	FABRIC GRILLE ASSY BLK FLIP6 CS	1	EA
16+18+19+20+21+22+23	1003047567B0045	FABRIC GRILLE ASSY TEAL FLIP6 CS	1	EA

16+18+19+20+21+22+24	1003047567B0046	FABRIC GRILLE ASSY GREN FLIP6 CS	1	EA
16+18+19+20+21+22+25	1003047567B0047	FABRIC GRILLE ASSY RED FLIP6 CS	1	EA
16+18+19+20+21+22+26	1003047567B0048	FABRIC GRILLE ASSY PINK FLIP6 CS	1	EA
16+18+19+20+21+22+27	1003047567B0049	FABRIC GRILLE ASSY BLU FLIP6 CS	1	EA
16+18+19+20+21+22+28	1003047567B0050	FABRIC GRILLE ASSY RGREY FLIP6 CS	1	EA
16+18+19+20+21+22+29	1003047567B0051	FABRIC GRILLE ASSY WHT FLIP6 CS	1	EA
17	1003047567B0052	MAIN BOARD FLIP6 CS	1	EA
24	1003047567B0053	BOTTON FLIP6 CS	1	EA
25	1003047567B0054	KEY BOARD FLIP6 CS	1	EA
26	1003047567B0055	LED BOARD FLIP6 CS	1	EA
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29	1003047567B0067	METAL RING GREN FLIP6 CS	1	EA
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31	1003047567B0087	ROPE GREY FLIP6 CS	1	EA
31	1003047567B0088	ROPE WHT FLIP6 CS	1	EA
32	1003047567B0089	USB BOARD FLIP6 CS	1	EA

33	1003047567B0090	FFC CABLE 6P 70MM FLIP6 CS	1	EA
34	1003047567B0091	FFC CABLE 15P 70MM FLIP6 CS	1	EA
35	1003047567B0092	LIGHT GUIDE FLIP6 CS	1	EA
36	1003047567B0093	USB CABLE FLIP6 CS	1	EA
	1003047567B0094	WIRE XH2.5 2PIN 140MM FLIP6 CS	1	EA
	1003047567B0095	WIRE ZH1.5 5PIN 140MM FLIP6 CS	1	EA
	1003047567B0096	SPK WIRE PH2.0 70MM FLIP6 CS	1	EA
	1003047567B0097	SPK WIRE XH2.5 90MM FLIP6 CS	1	EA
	1003047567B0098	GIFT BOX BLK GLOBAL FLIP6 CS	1	EA
	1003047567B0099	GIFT BOX TEAL GLOBAL FLIP6 CS	1	EA
	1003047567B0101	GIFT BOX GREN GLOBAL FLIP6 CS	1	EA
	1003047567B0102	GIFT BOX RED GLOBAL FLIP6 CS	1	EA
	1003047567B0103	GIFT BOX PINK GLOBAL FLIP6 CS	1	EA
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	1003047567B0106	GIFT BOX WHT GLOBAL FLIP6 CS	1	EA
	1003047567B0107	GIFT BOX BLK AM FLIP6 CS	1	EA
	1003047567B0108	GIFT BOX TEAL AM FLIP6 CS	1	EA
	1003047567B0109	GIFT BOX GREN AM FLIP6 CS	1	EA
	1003047567B0110	GIFT BOX RED AM FLIP6 CS	1	EA
	1003047567B0111	GIFT BOX PINK AM FLIP6 CS	1	EA
	1003047567B0112	GIFT BOX BLU AM FLIP6 CS	1	EA
	1003047567B0113	GIFT BOX GREY AM FLIP6 CS	1	EA
	1003047567B0114	GIFT BOX WHT AM FLIP6 CS	1	EA

KEY COMBINATION BEHAVIOR

Button Pattern	Action	Indicator
Volume + & Bluetooth	Press power and hold until power on	Enter HID DFU mode in OFF Mode.
Volume + & Play / Pause	Long press > 2s	Reset to factory default in On Mode.
Volume - & Bluetooth	Long press > 10s	Enter by-pass mode in On Mode
Volume - & PartyBoost	Long press > 2s	Show SW version in On Mode.
Play/Pause + & Bluetooth	Long press > 10s	Enter Demo mode in On Mode.
Volume - & Play / Pause	Long press > 10s	Enter to ATS mode in On Mode

REVISION LIST

Version 1.0
* Initial release. Oct. 2021