



Service Manual

FLIP 6 (S/N starting from GG)

SKU: JBLFLIP6BLK, JBLFLIP6BLU, JBLFLIP6RED, JBLFLIP6GREY, JBLFLIP6WHT, JBLFLIP6PINK, JBLFLIP6TEAL, JBLFLIP6GREN, JBLFLIP6SQUAD, JBLFLIP6BLKEU, JBLFLIP6BLKAM, JBLFLIP6BLUAM, JBLFLIP6REDAM, JBLFLIP6GREYAM, JBLFLIP6WHTAM, JBLFLIP6PINKAM, JBLFLIP6TEALAM, JBLFLIP6GRENAM, JBLFLIP6SQUADAM



CONTENTS

Safety Instruction, Warning & Notes	2
Technical Specifications	5
Software Upgrade Instruction & Reset Procedure	6
Trouble Shooting Chart	7
Disassembly & Reassembly Procedure	8
Set Block Diagram	10
Set Wiring Diagram	11
Schematic & Layout Diagrams	12
Set Mechanical Exploded View	37
Spare Parts List	38
Revision List	41

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.



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

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.



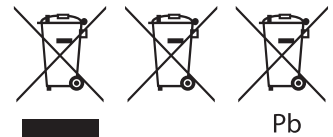
THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE PRODUCT.

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

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 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 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.

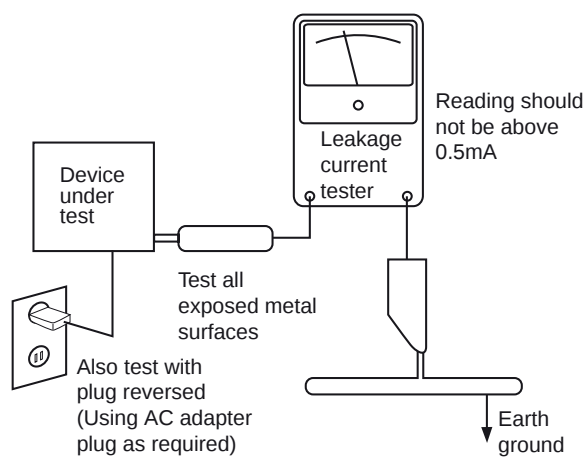
Components identified with the IEC symbol  in the parts list are special significance to safety. When replacing a component identified with , use only the replacement parts designated, or parts with the same ratings or resistance, wattage, or voltage that are designated in the parts list in this manual.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

**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: < 10 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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www.jbl.com

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Software Upgrade Instruction & Reset Procedure

1.Restore factory setting

- 1) Hold down <Play>, <Volume +>for 5 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 5 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 restarts.

COMBINATION BUTTON FOR DEBUG & FACTORY TEST

Button Pattern	Action	Indicator
Volume + & Bluetooth	Press 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.

TROUBLE SHOOTING

TROUBLE	CHECKING POINTS
SPEAKER SYSTEM NO SOUND,NOT WORKING	THE MAIN BOARD NG
	THE WIRE CONNECT NG
	THE SPEAKER NG
	THE AC SOCKET IS NG
	THE POWER BOARD IS NG
SPEAKER SYSTEM CAN NOT CONNECT THE BT	THE BT ANTENNA CONNECTION IS NOT GOOD
	THE BT MODULE ON THE MAIN BOARD IS NOT GOOD
	THE MAIN BOARD NG
THE KEY ON THE TOP NOT WORKING	THE KEY CONNECT WIRE NG
	THE KEY BOARD NG
	THE MAIN BOARD NG

DISASSEMBLY INSTRUCTIONS



A. Dismantling the Fabric Grille and Top Panel

- 1) Use a flat-head 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.

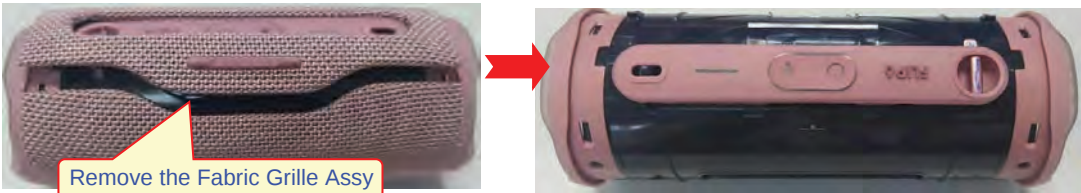


Figure 1

Figure 2

- 3) Remove the Top Panel as shown in figure 3 and figure 4.

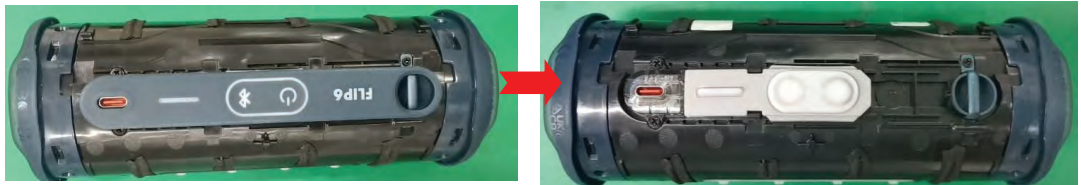


Figure 3

Figure 4

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 5 and figure 6.

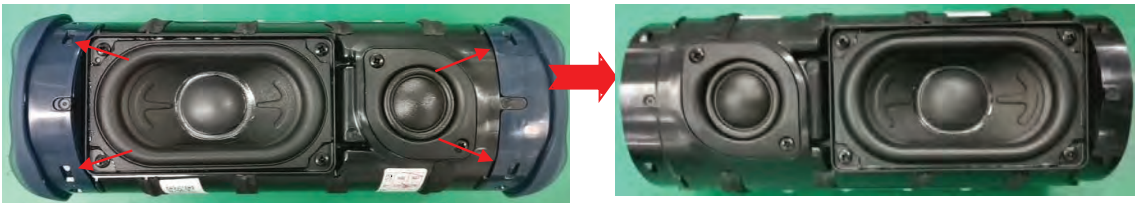


Figure 5

Figure 6

C. Dismantling the tweeter and woofer

- 1) Loosen the screws as shown in figure 7.
- 2) Unplug the speaker wire, remove the woofer as shown in figure 8.
- 3) Unplug the tweeter wire and pry the tweeter open as shown in figure 9.

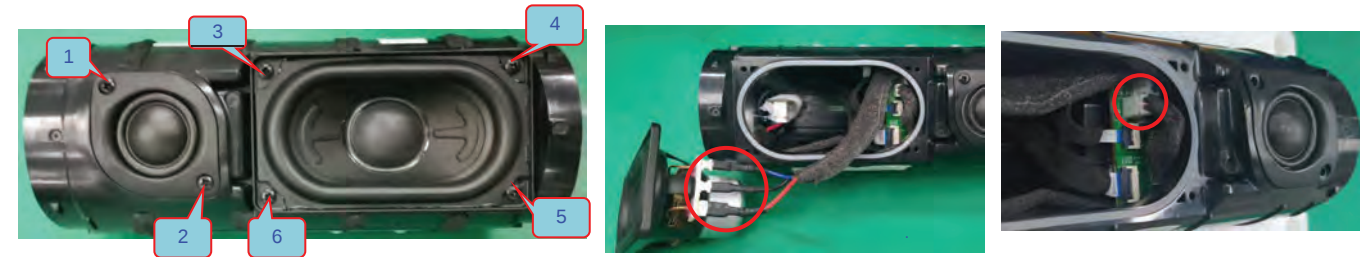


Figure 7

Figure 8

Figure 9

D. Dismantling of the rubber button and the battery bracket

- 1) Remove the rubber button as shown in figure 10.
- 2) Loosen the screws and remove the battery bracket as shown in figure 11.

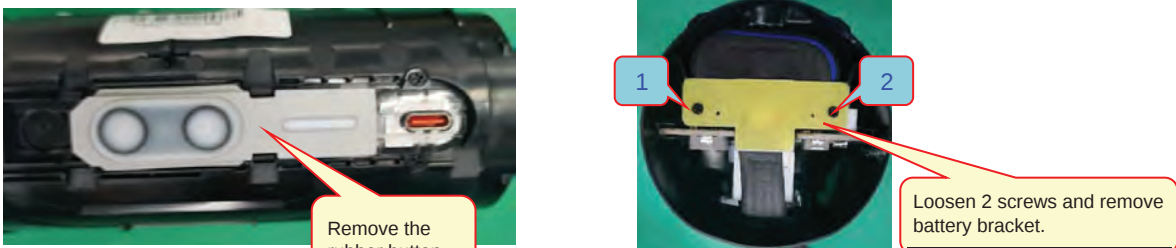


Figure 10

Figure 11

E. Dismantling of Main Board and Battery

- 1) Open the buckle to disconnect the cables as shown in figure 12
- 2) Tear off the antenna as shown in figure 13
- 3) Push out the Main Board and battery carefully as shown in figure 14

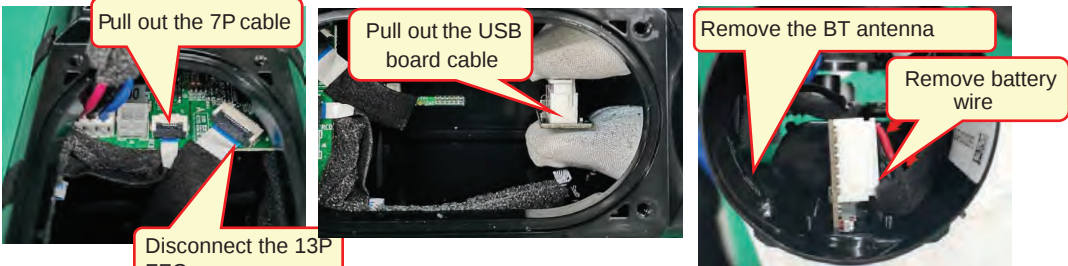


Figure 12

Figure 13

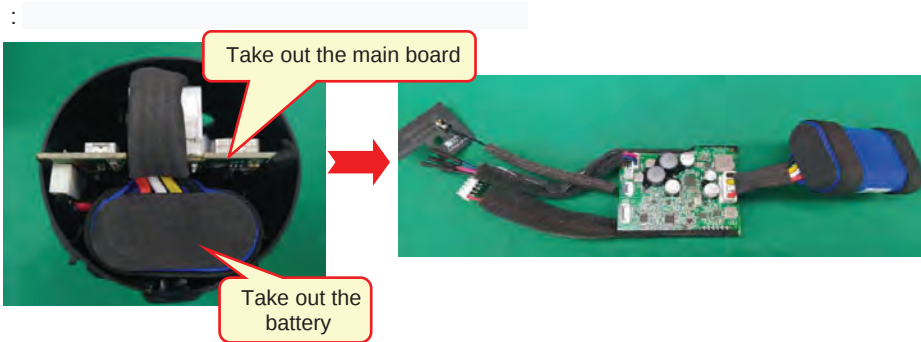


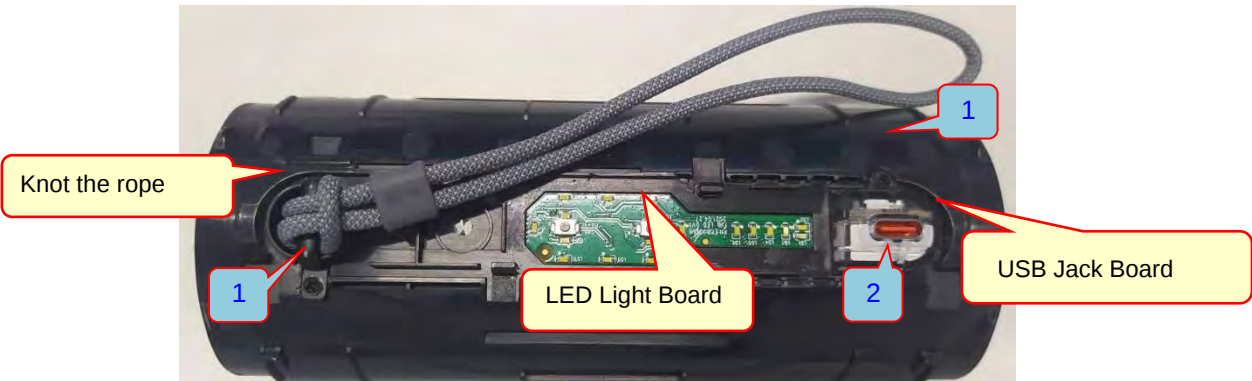
Figure 14

REASSEMBLY INSTRUCTIONS

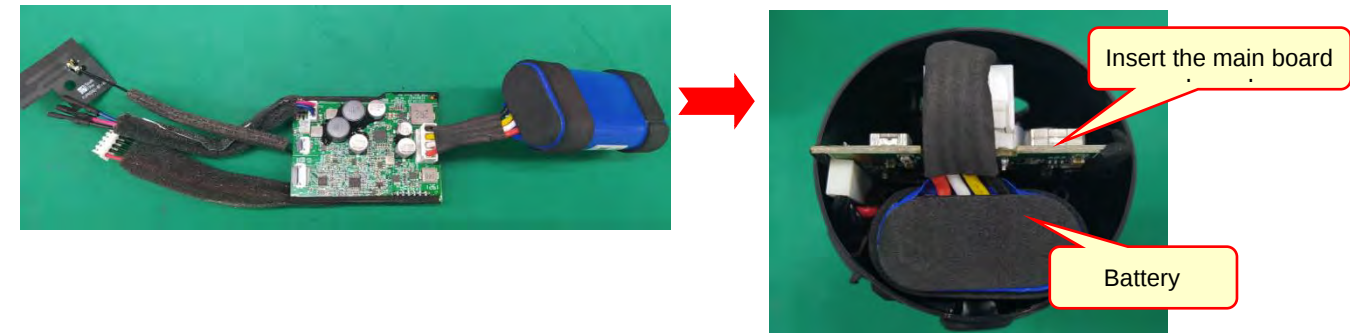
Step1: Assembly the key board and silicone button



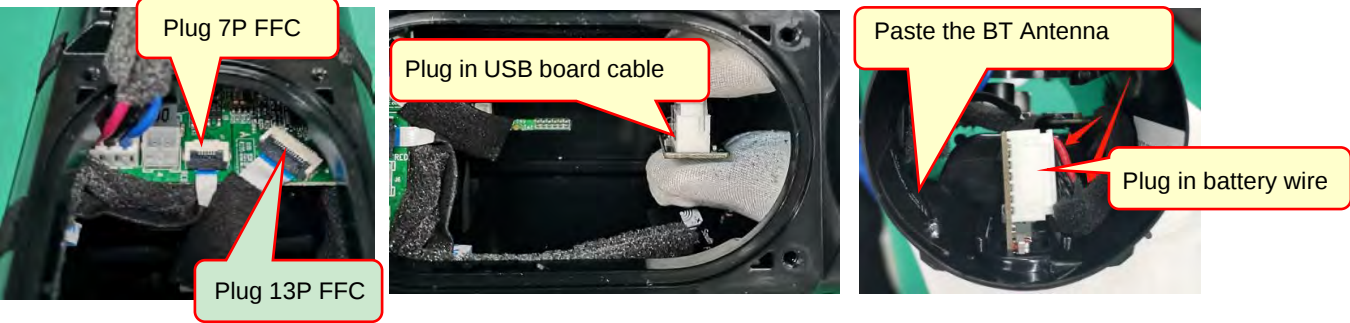
Step 2: Assemble USB Jack PCBA and LED Light Board, knot the rope.



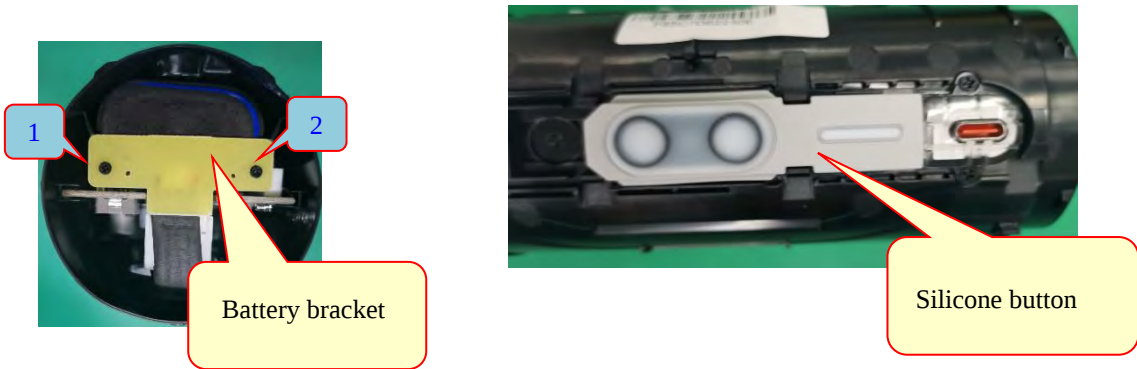
Step 3: Insert the main board and battery



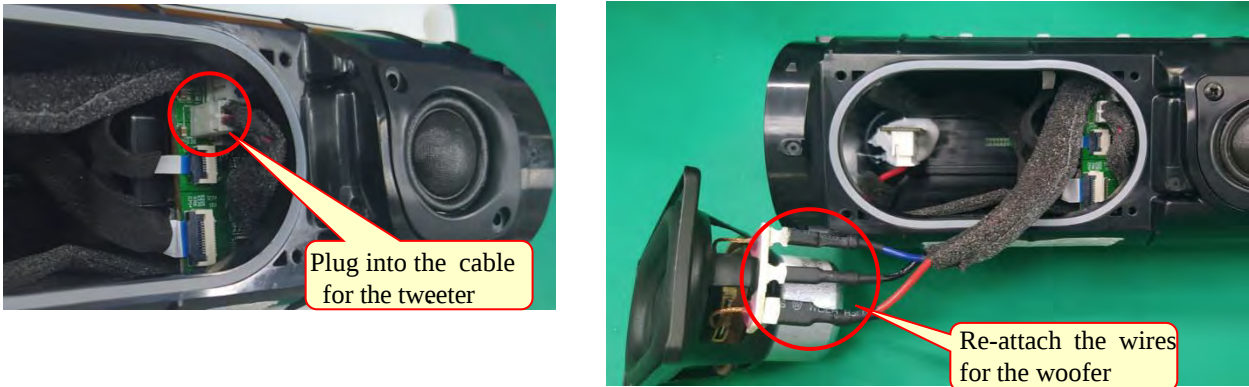
Step 4: Plug cables



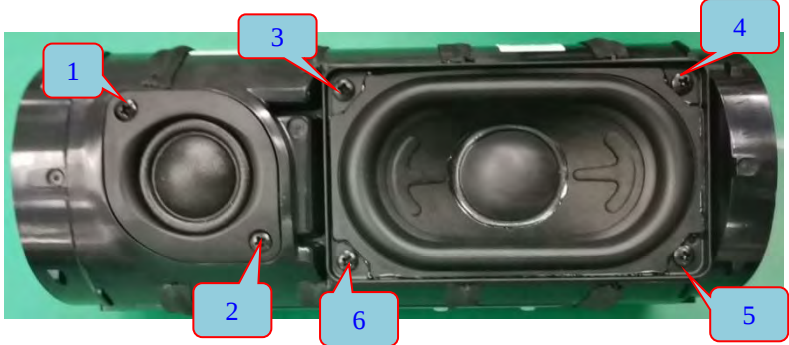
Step 5 : Tight 2 screws for the battery bracket, assemble Key+LED silicone button.



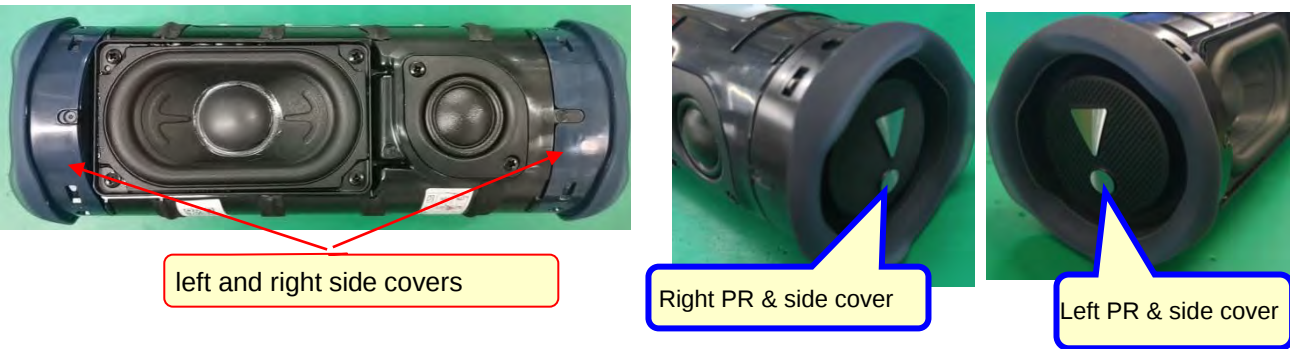
Step 6 : Insert the cable for the tweeter/woofer



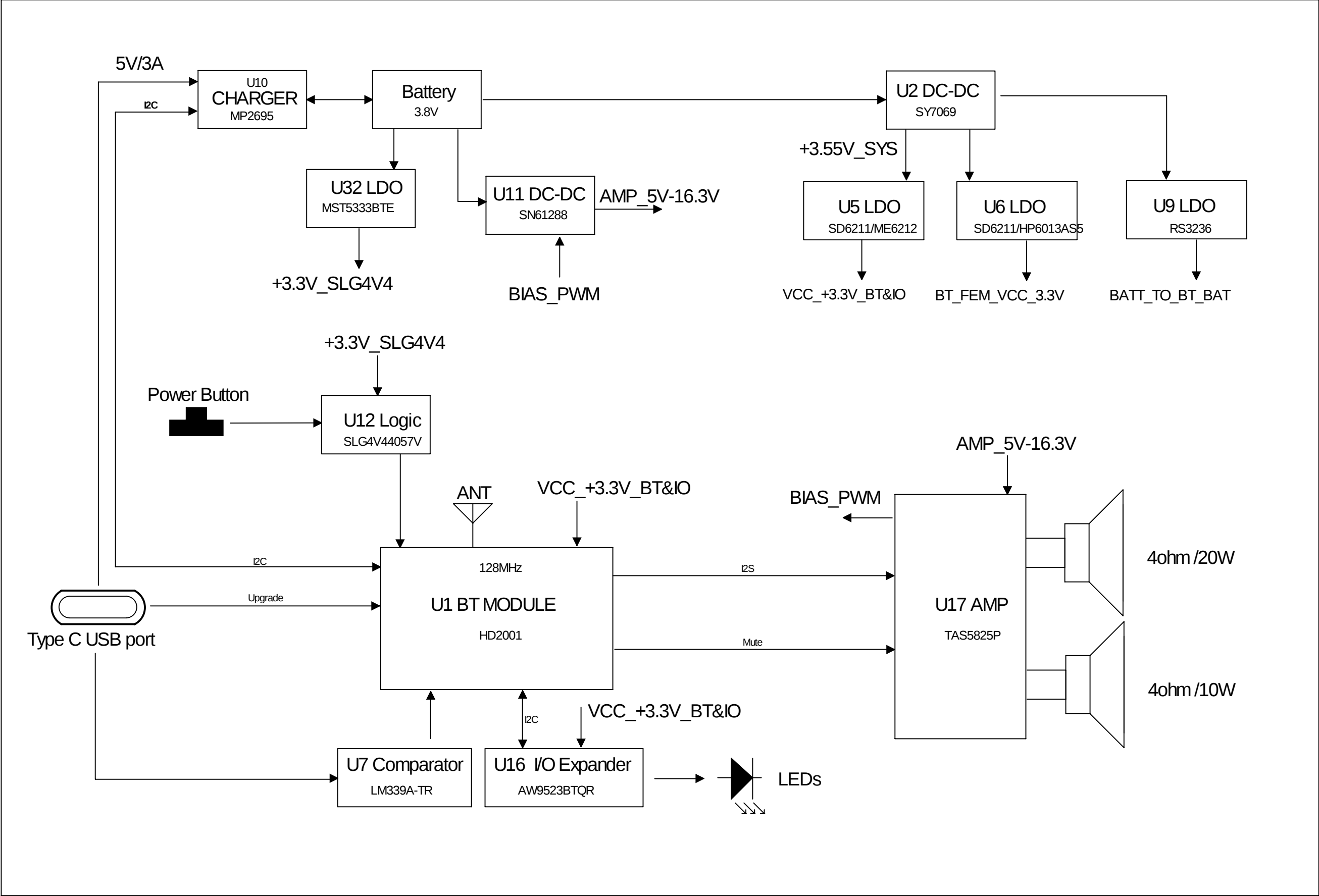
Step 7 : Tighten 2 screws for the tweeter and 4 screws for the woofer



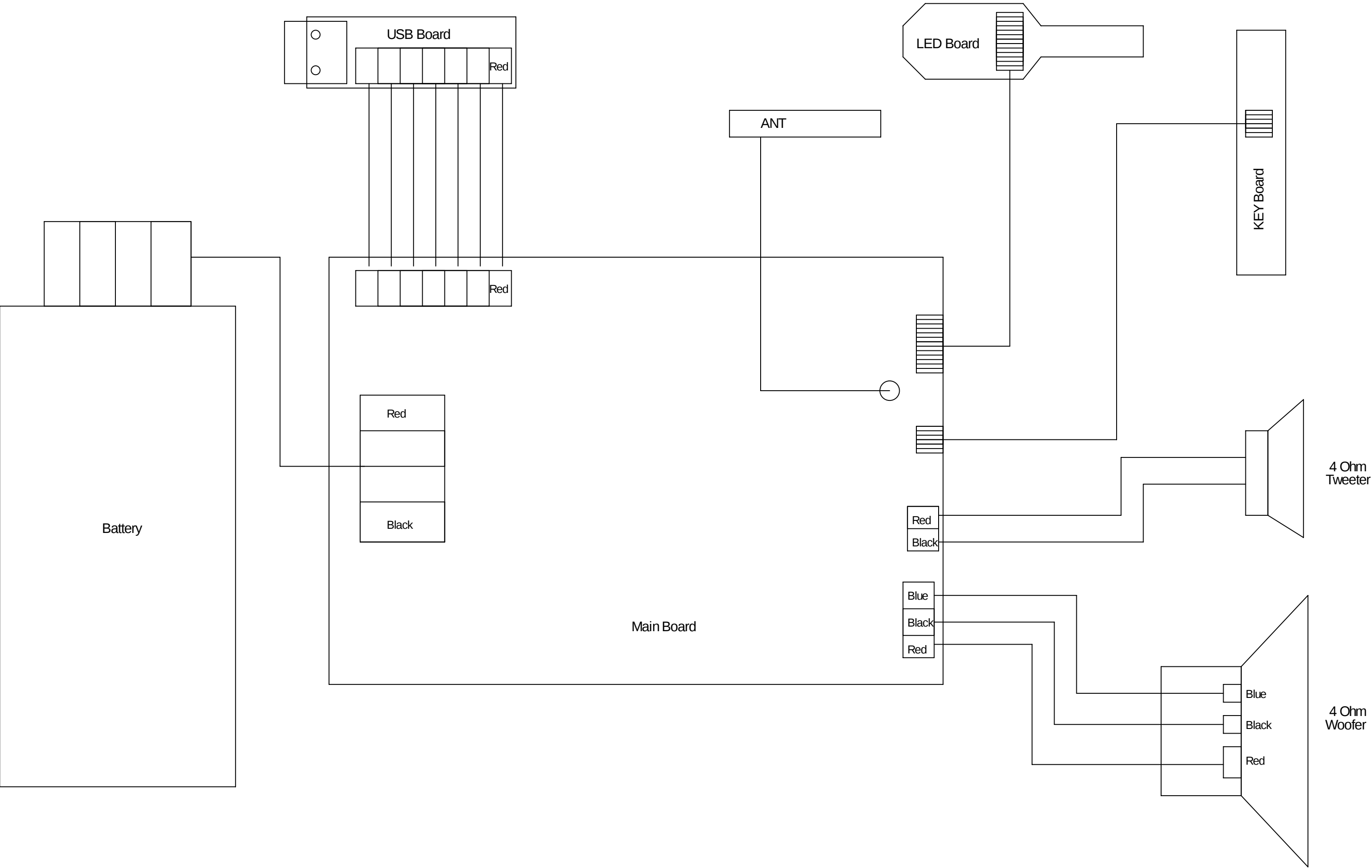
Step 8 : Assemble left and right side cover.



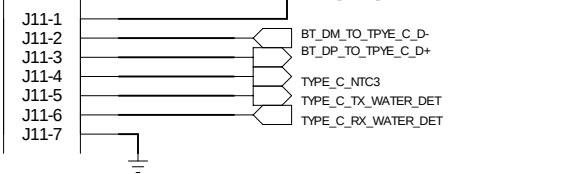
Flip6 Block Diagram



Flip6 Wiring Diagram



M1
●
M2
●



Pin configuration diagram for the ATmega328P microcontroller. The diagram shows pins 1 through 16 on the left, each connected to a specific function on the right. Pin 1 is connected to VCC_+3.3V_BT&D. Pin 2 is connected to UPDATE_TO_BT_GPI013. Pin 3 is connected to UPDATE_TO_BT_GPI014. Pin 4 is connected to UPDATE_TO_BT_GPI021. Pin 5 is connected to UPDATE_TO_BT_BOOT_SEL. Pin 6 is connected to UPDATE_TO_BT_GPI03. Pin 7 is connected to UPDATE_TO_BT_VCHG. Pin 8 is connected to ground.

Diagram showing the connection of the ST-Link/V2 debugger pins to the target board:

- T17 is connected to TOP_DEBUG_TO_BT_GPIOS_SWCLK.
- T18 is connected to TOP_DEBUG_TO_BT_GPIOS_SWDIO.
- T19 is connected to ground.

Pin connection diagram for BT module:

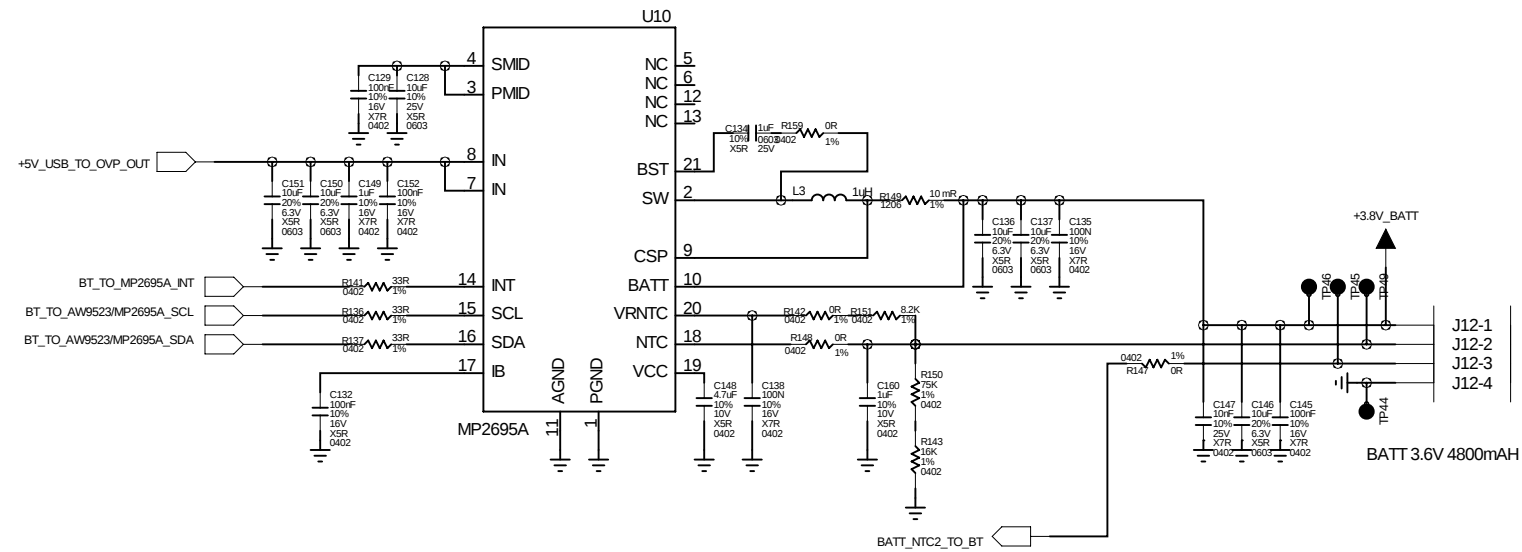
- T20 is connected to BT_DEBUG_TO_BT_GPIO_L11.
- T21 is connected to BT_DEBUG_TO_BT_GPIO_L10.
- T22 is connected to ground.

[illegible]

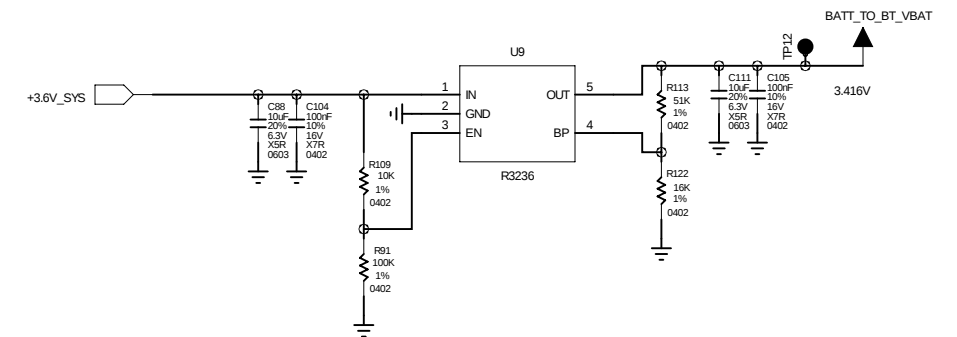
GPIO_L9	GPIO_L15	ODMs
0	0	TCL
0	1	GGEC
1	0	Cosonic

Flip6 Main Board Charge+Power

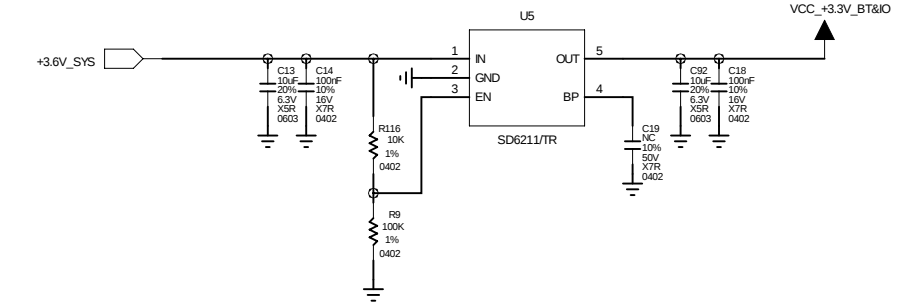
Charge model



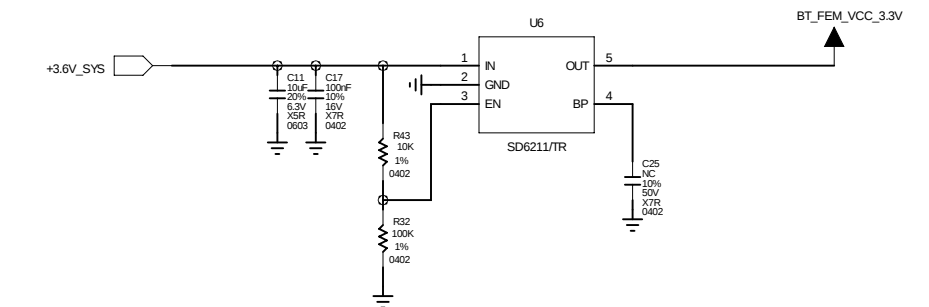
Power for BT 3.4V



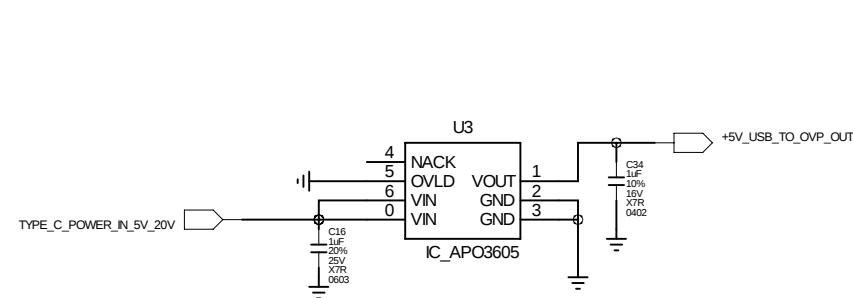
Power for BT&IO 3.3V



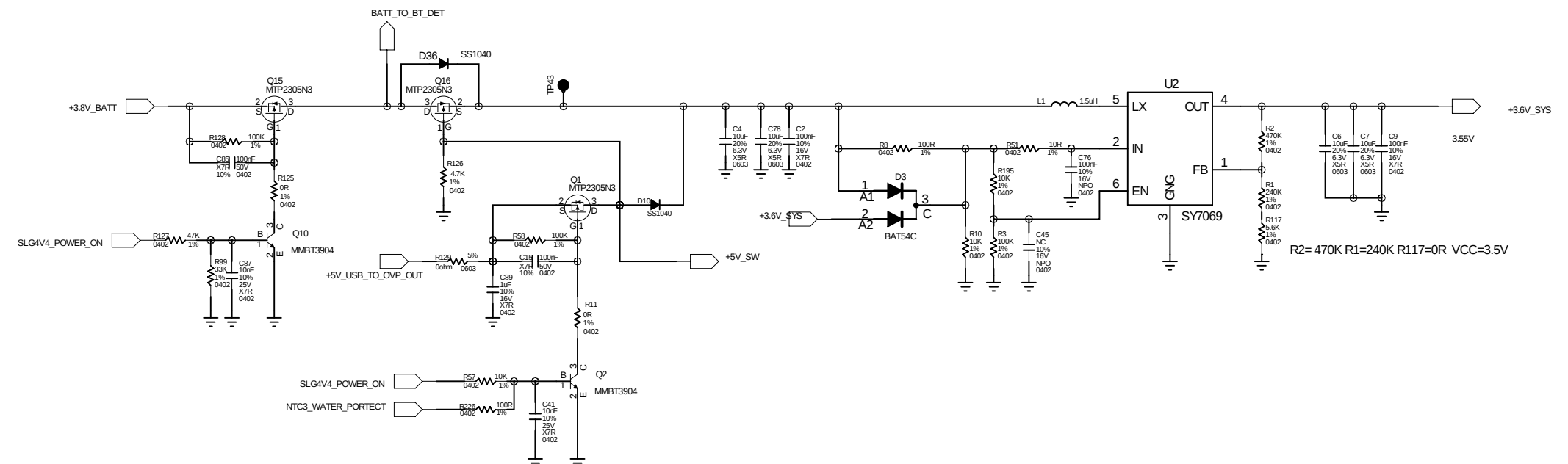
Power for BT_FEM 3.3V



OVP

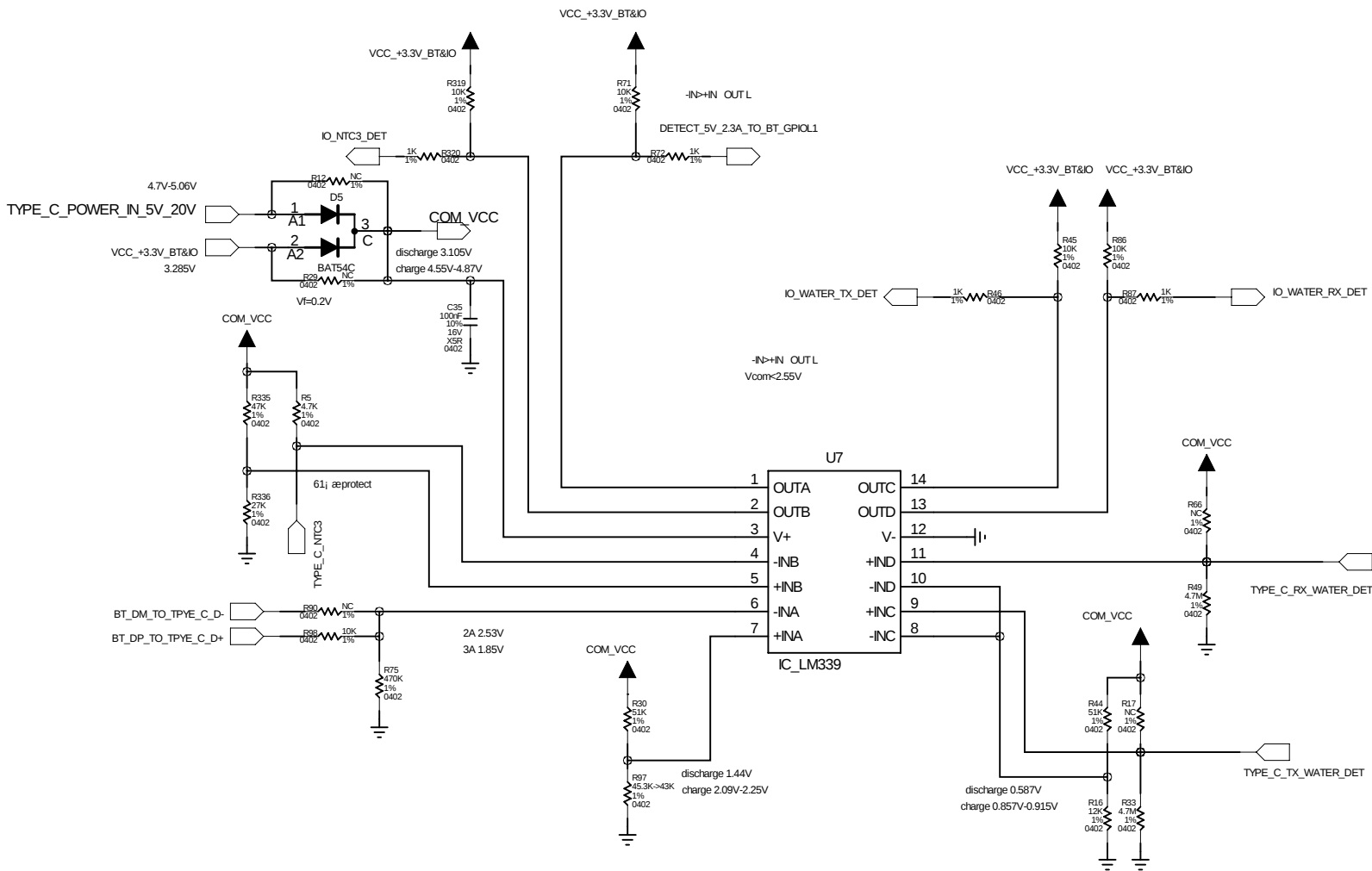


Power for system 3.55V

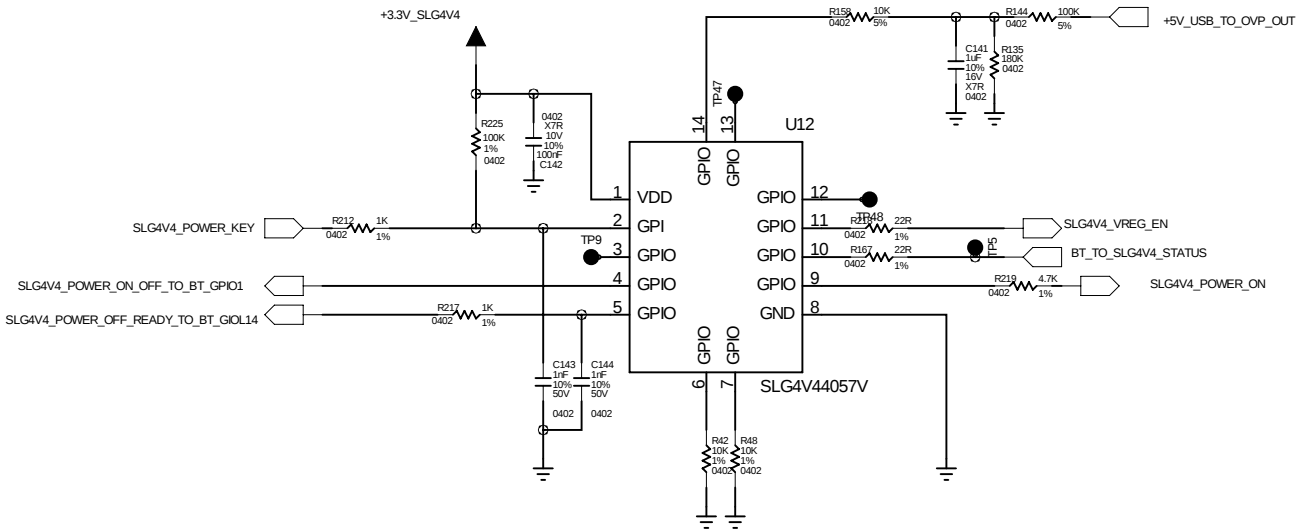


Flip6 Main Board Comparator+Logic

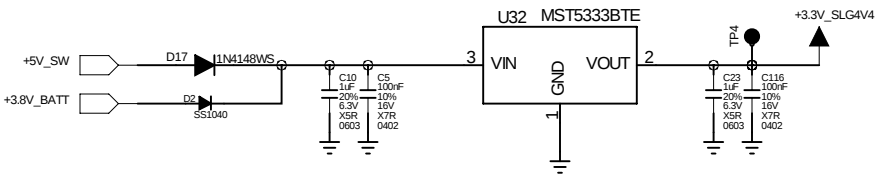
Comparator



Logic IC

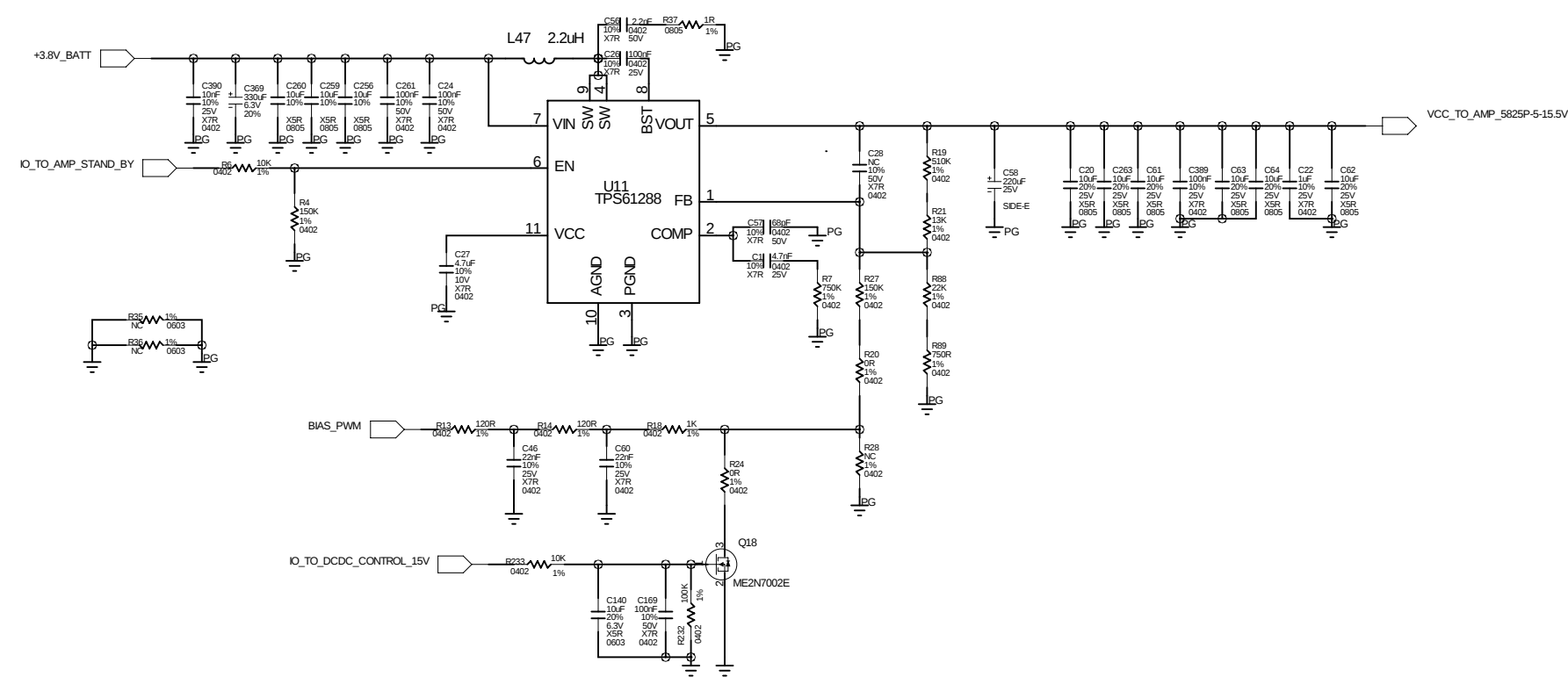


Power for logic 3.3V



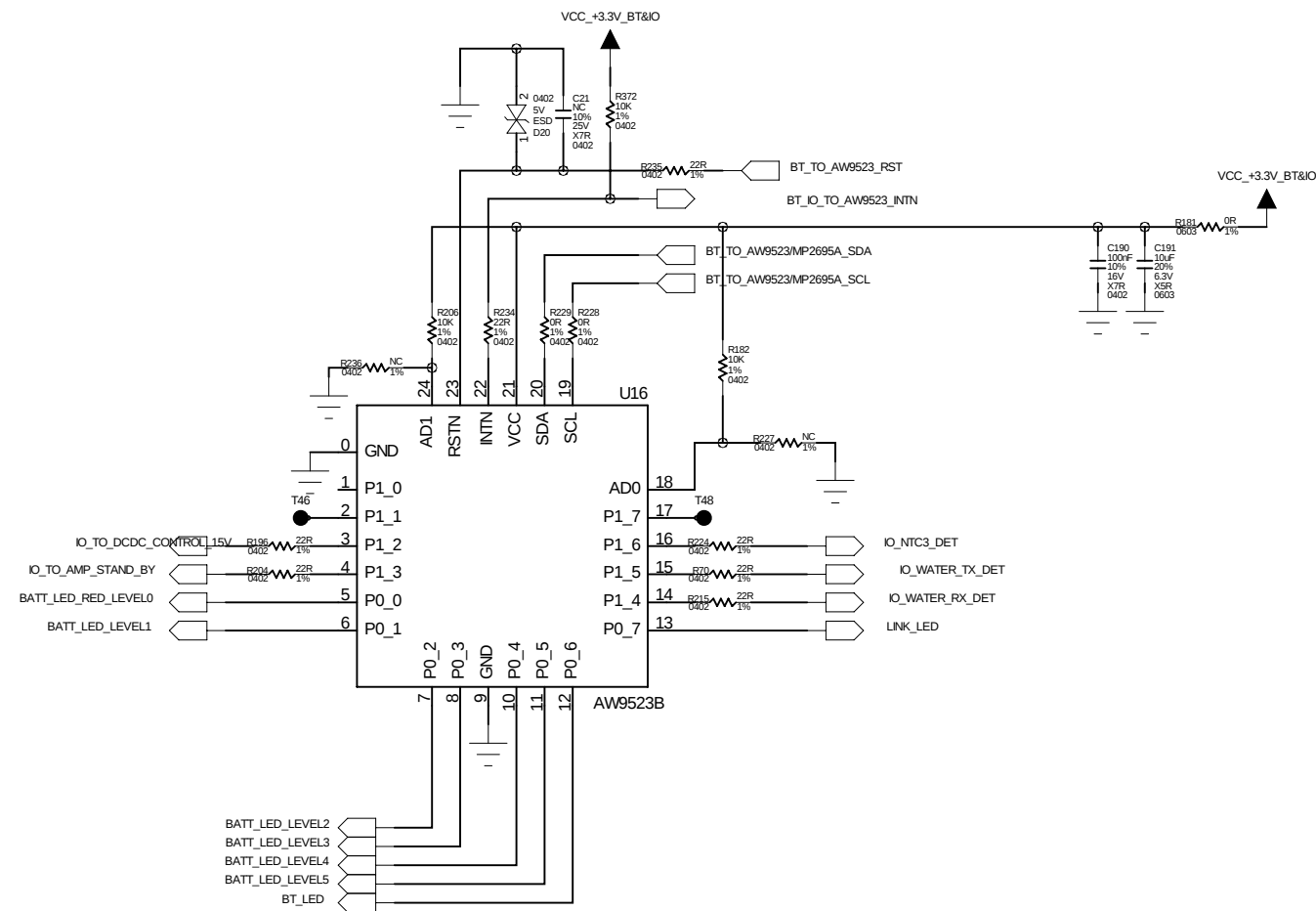
Flip6 Main Board DCDC+AMP

DCDC for AMP

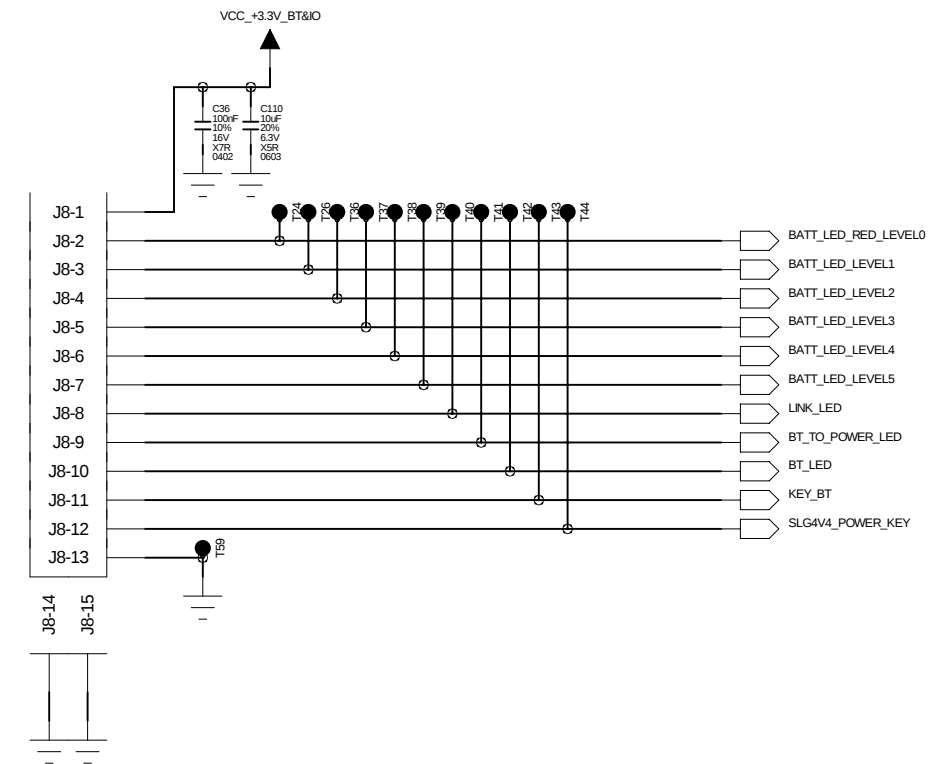


Flip6 Main Board IO_Expand

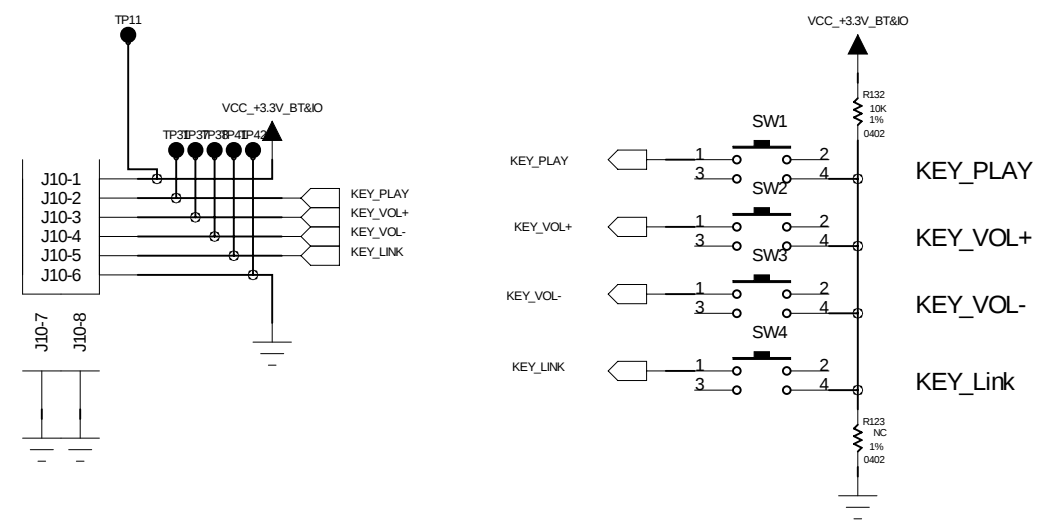
IO for LED



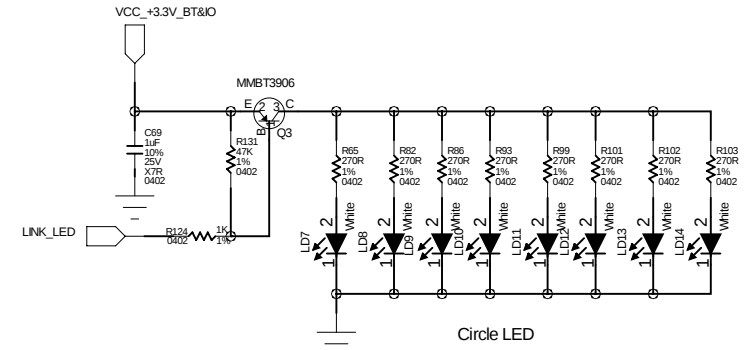
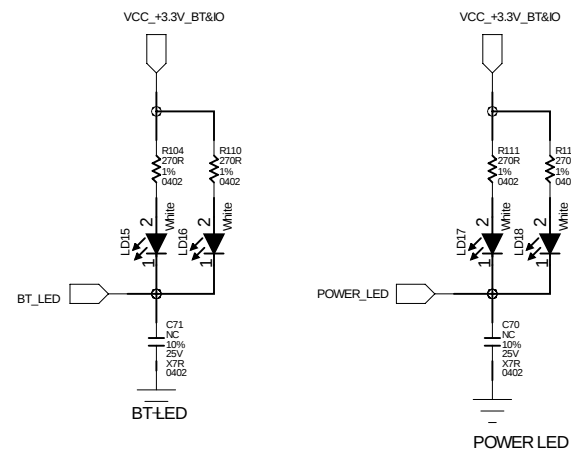
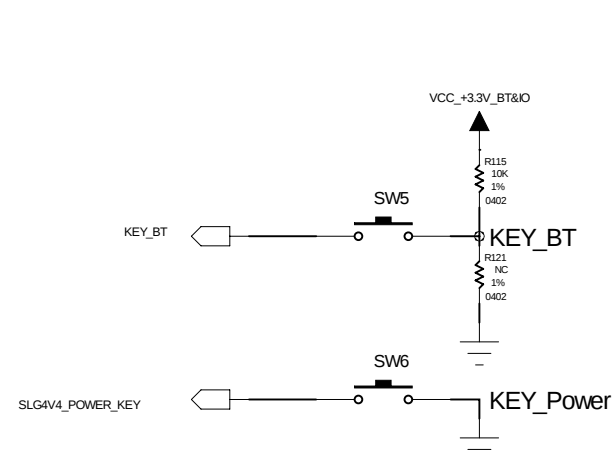
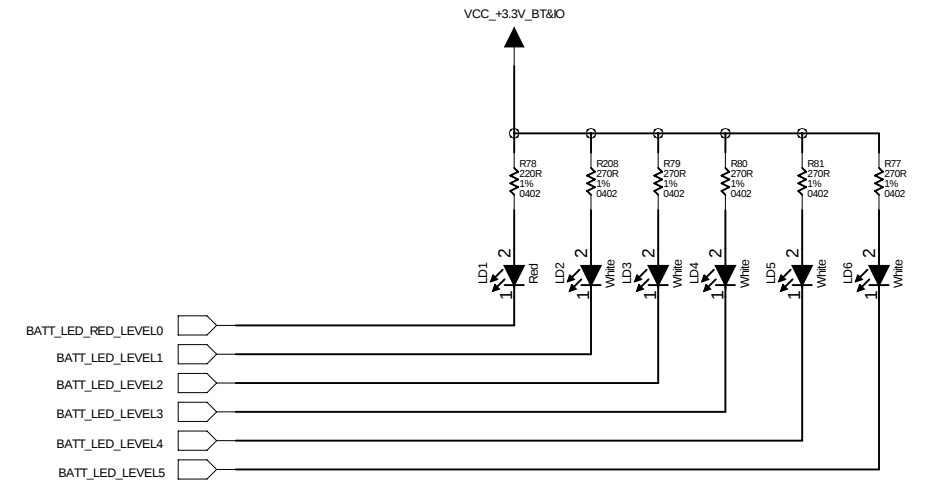
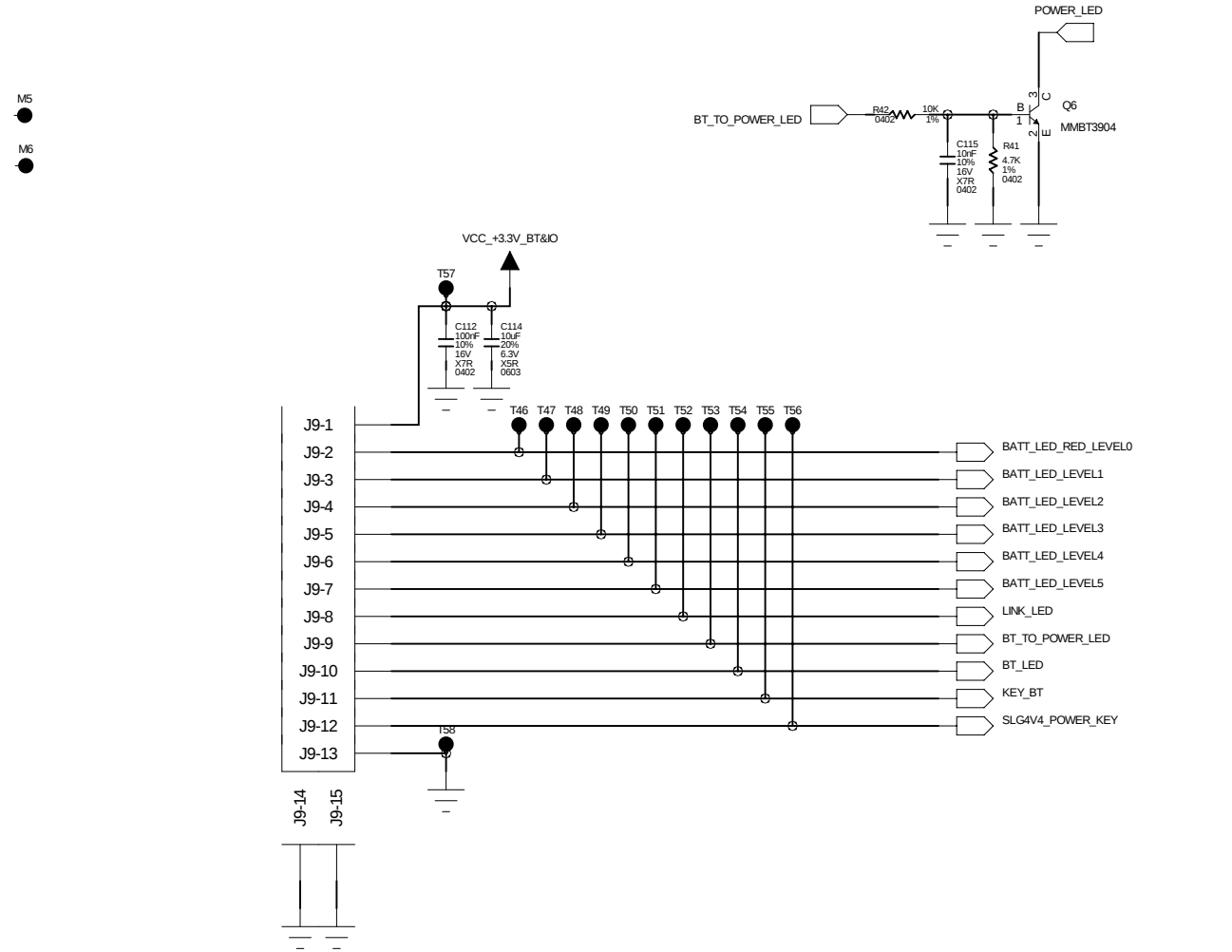
Connect for LED Board



Flip6 KEY Board

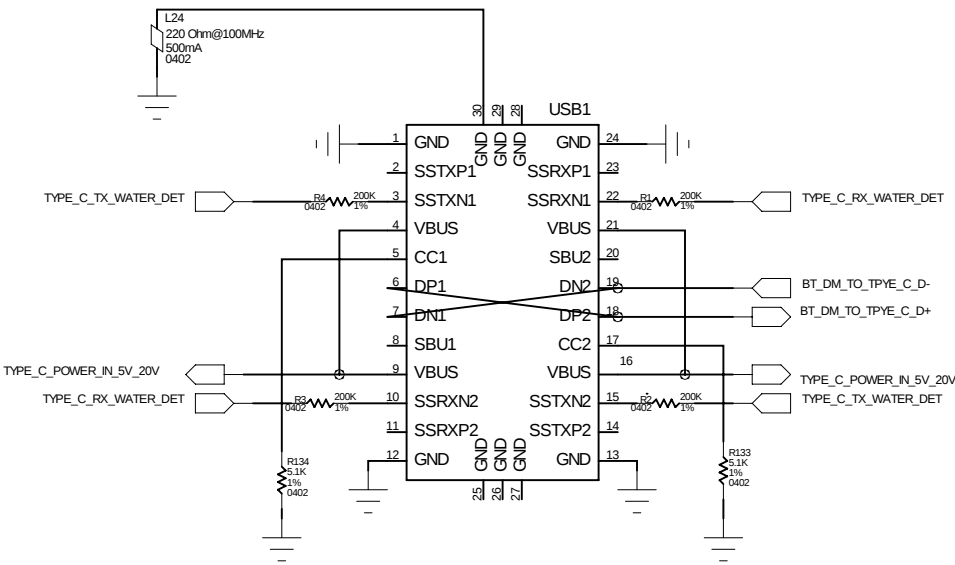


Flip6 LED Board

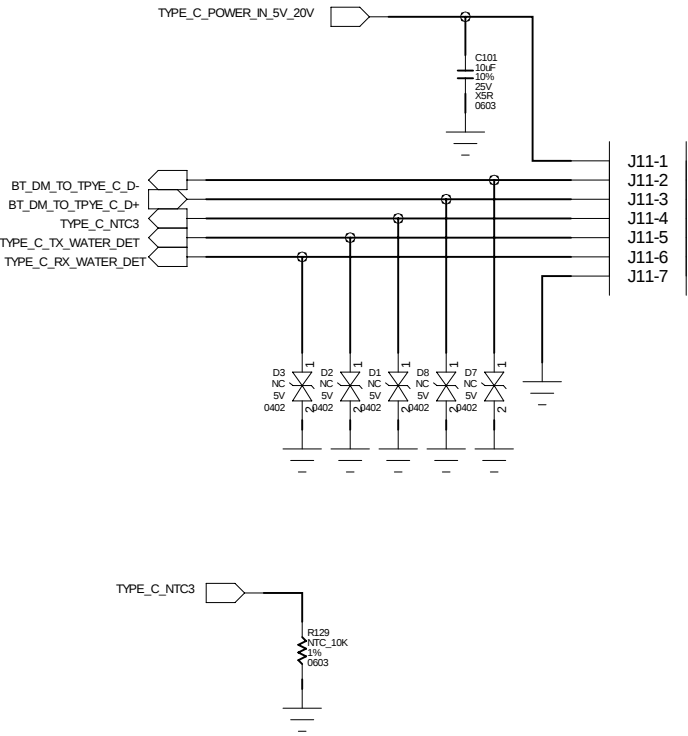


Flip6 USB Board

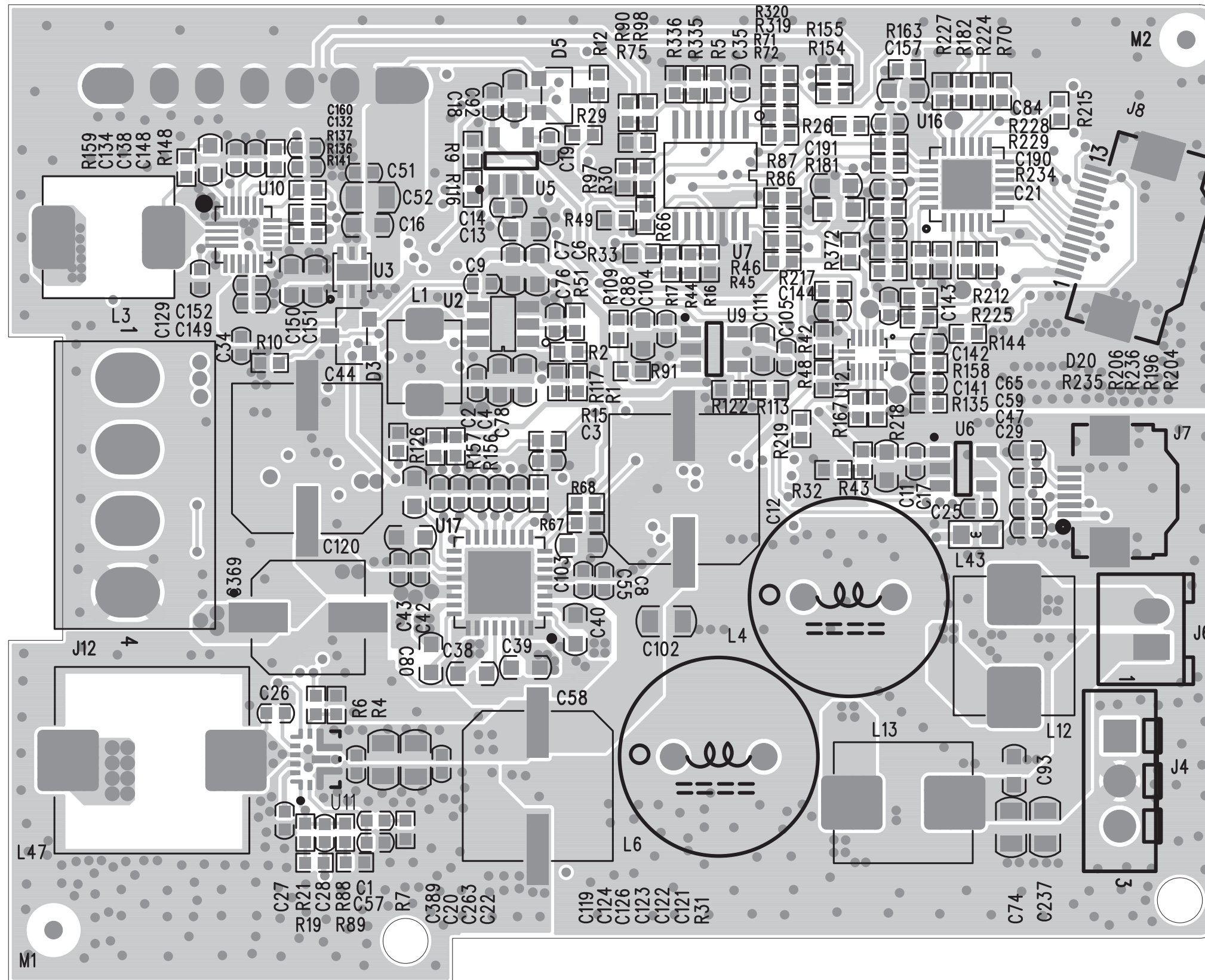
Type C



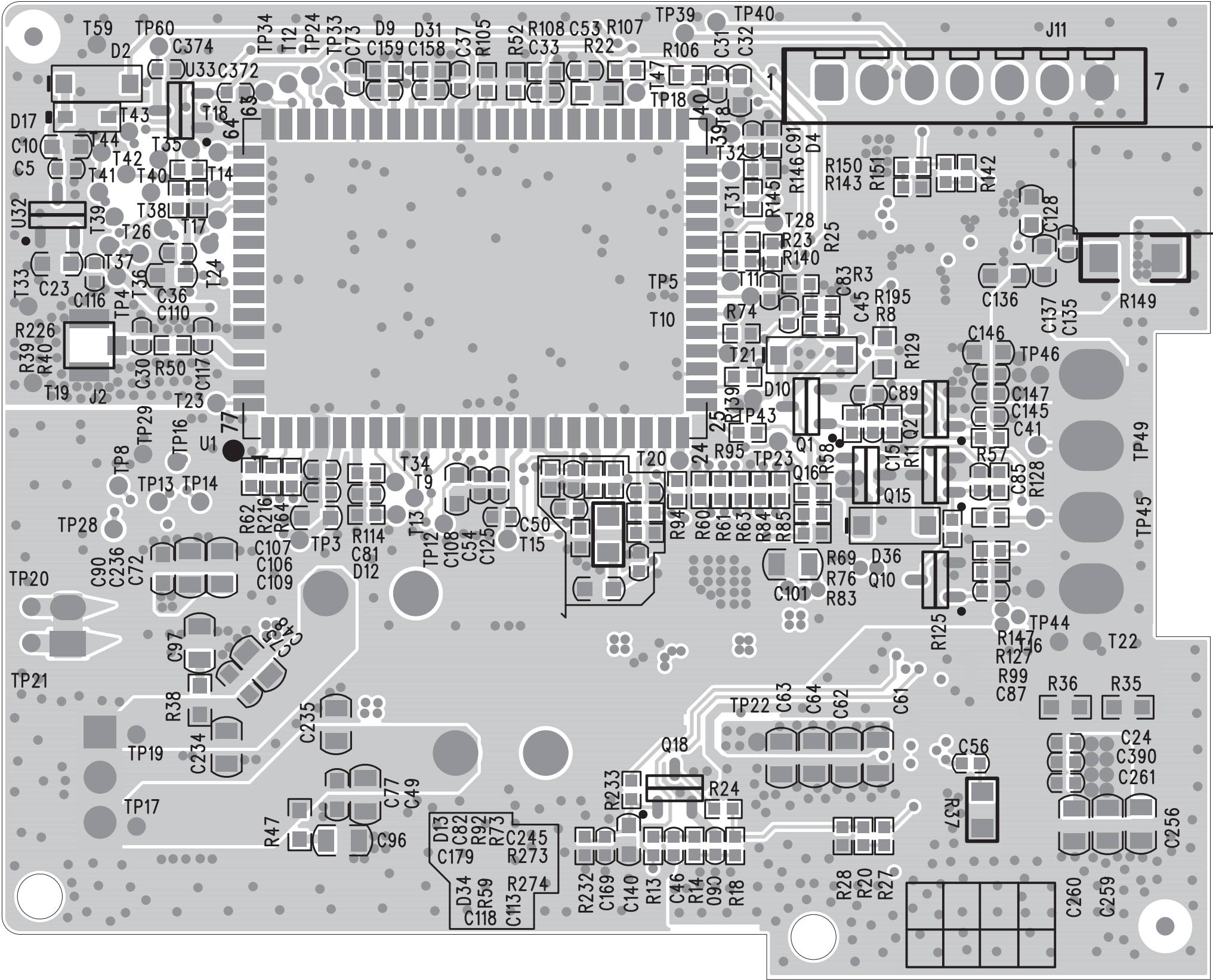
Connect to Main Board



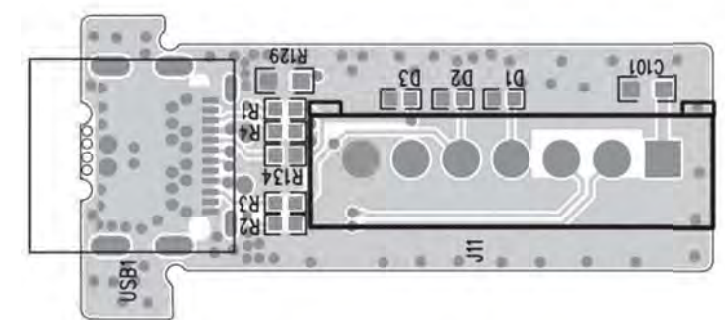
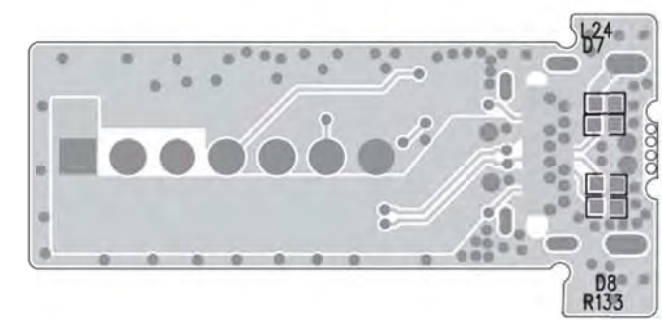
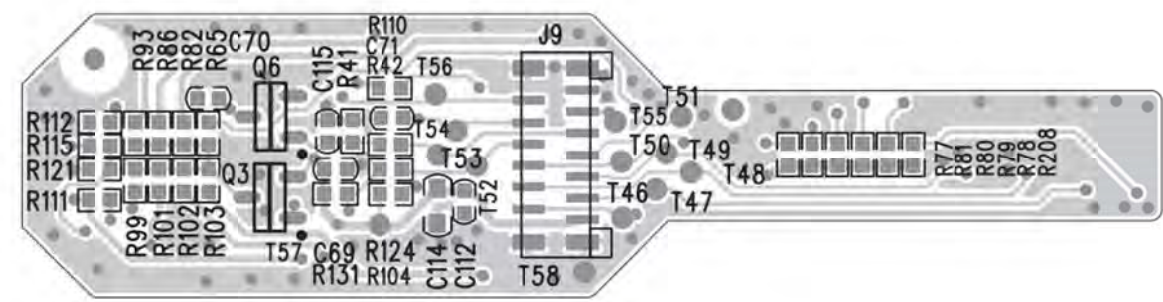
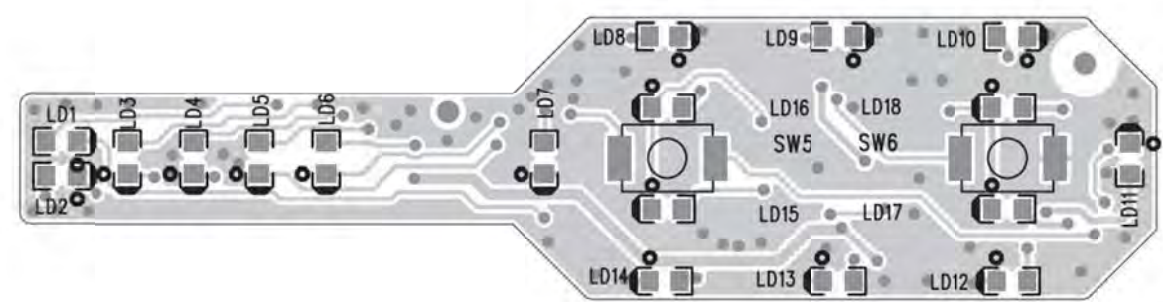
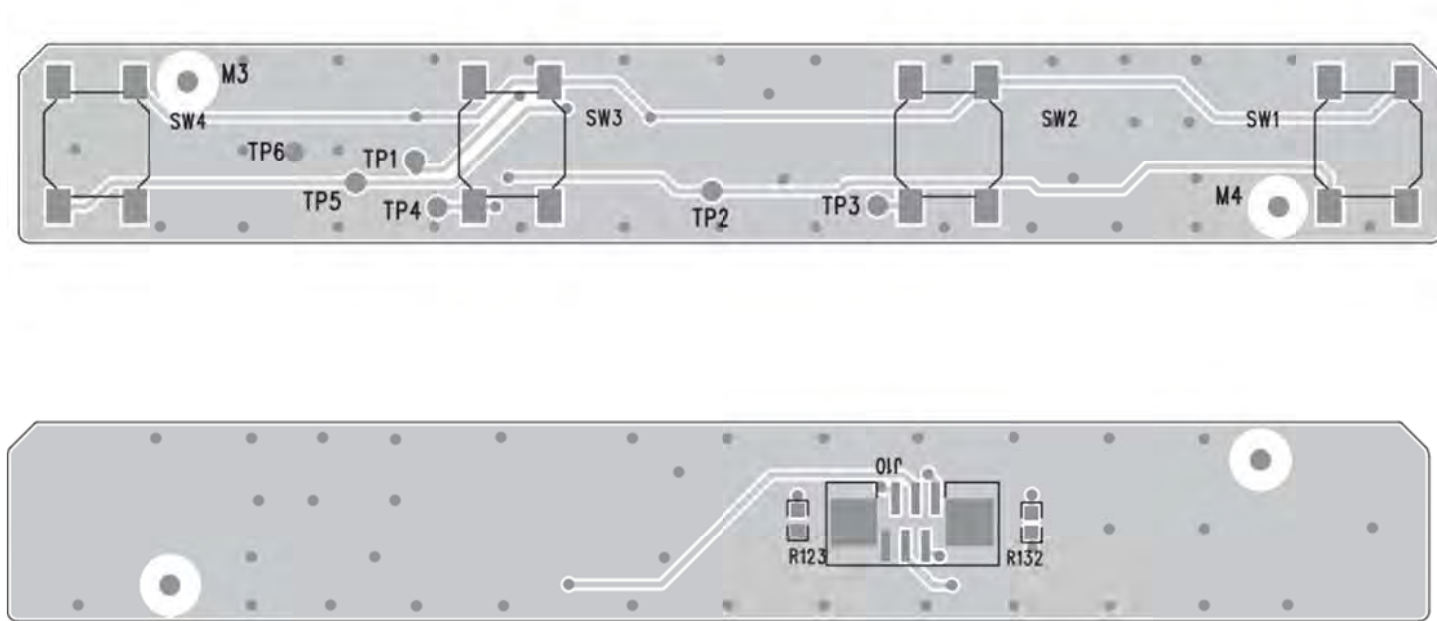
Flip6 Main Board Layout



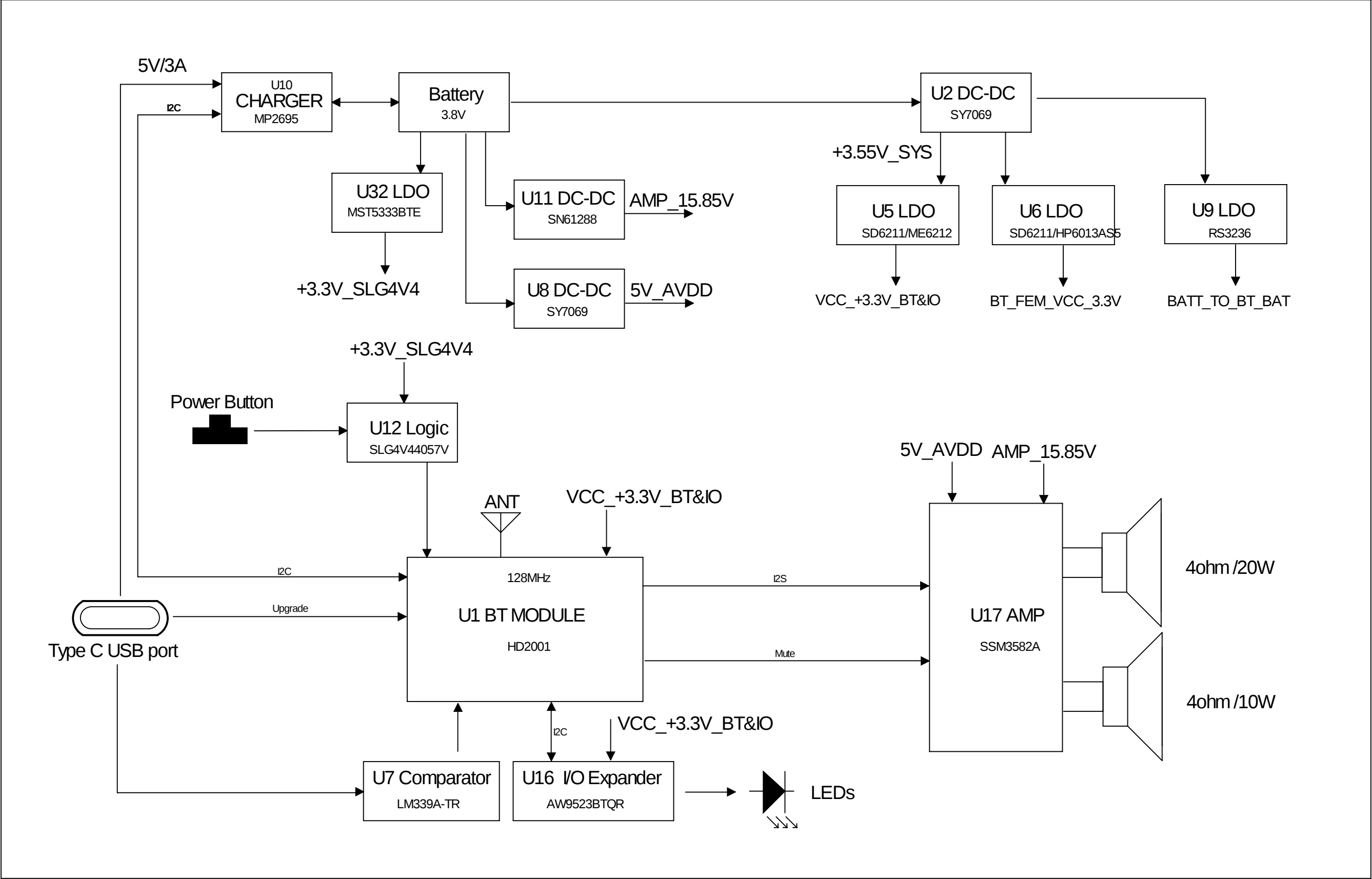
Flip6 Main Board Layout



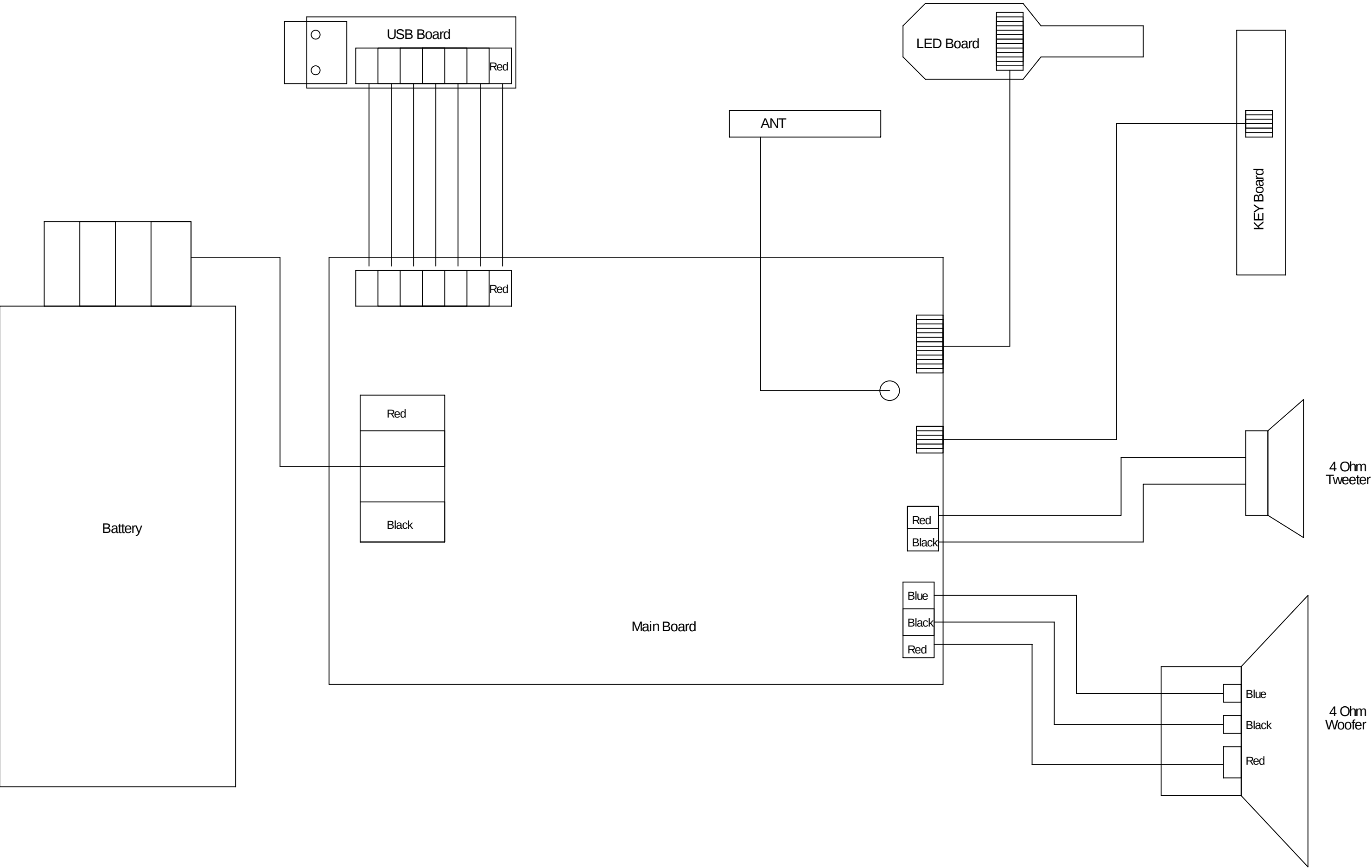
Flip6 KEY+ED+USB Board Layout



Flip6 Block Diagram

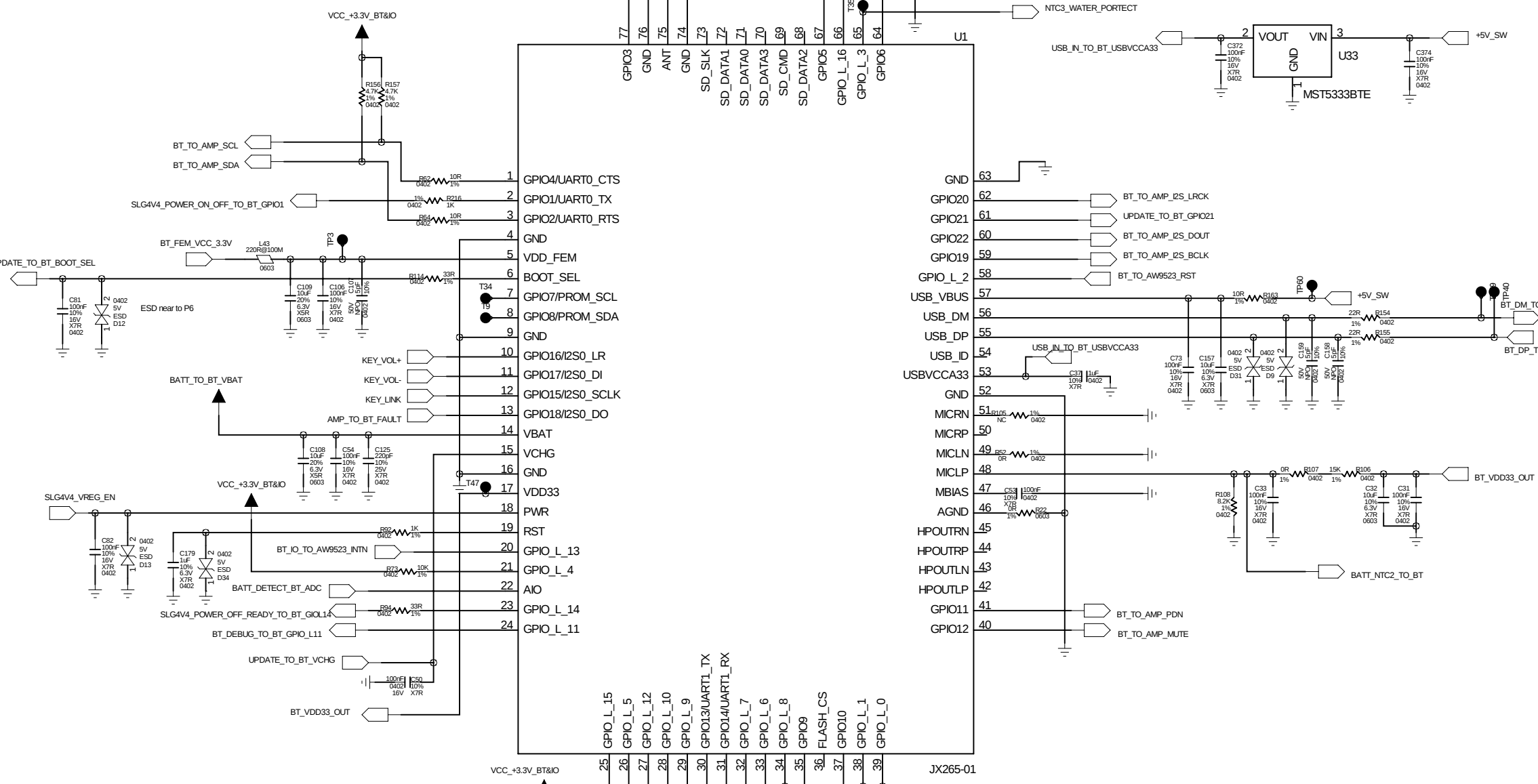


Flip6 Wiring Diagram

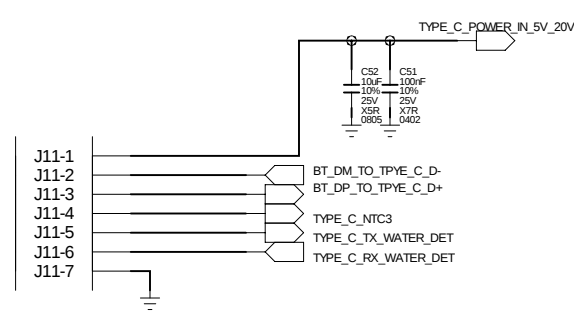


Flip6 Main Board BT

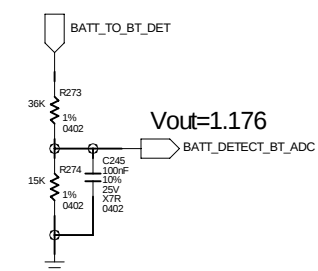
M1
M2



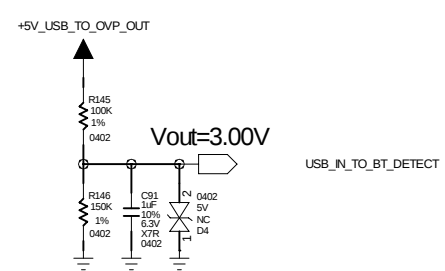
Connect to USB board



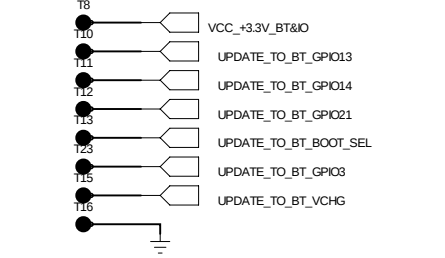
Battery Detect



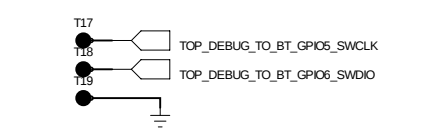
USB Detect



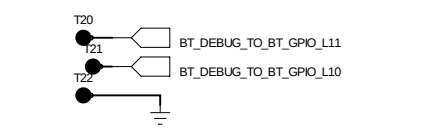
Test point



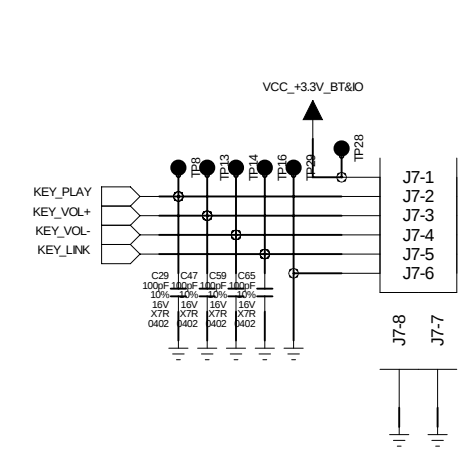
Top debug



BT debug

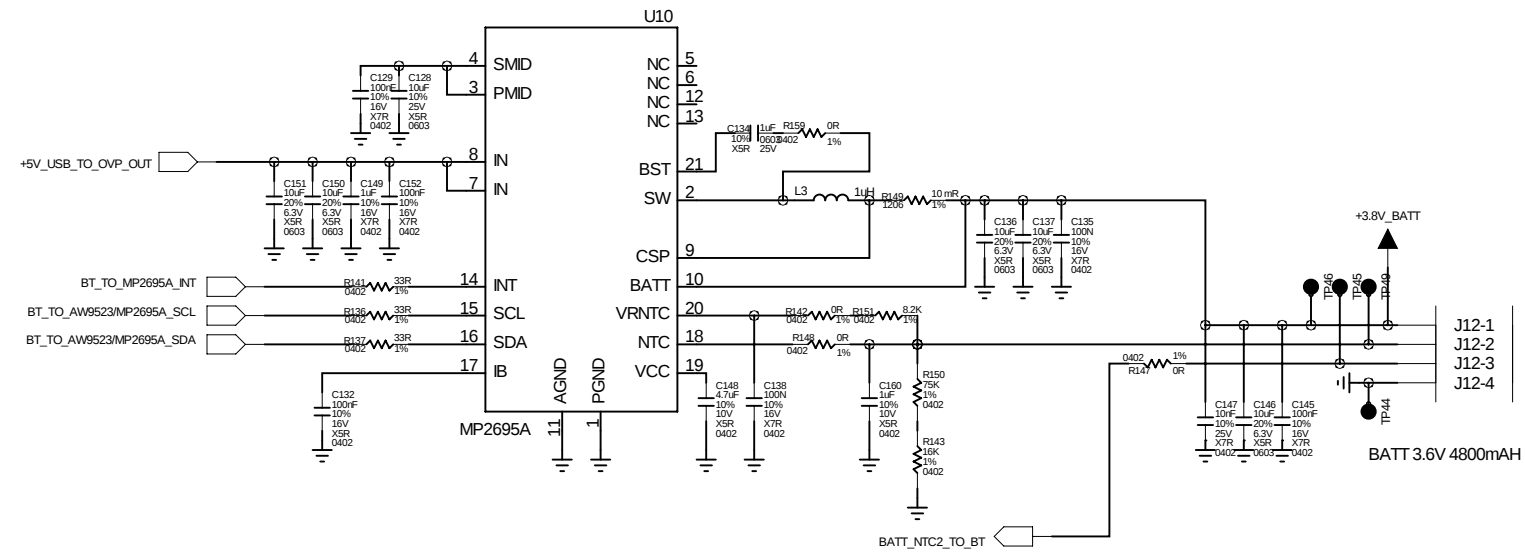


Connect to KEY board

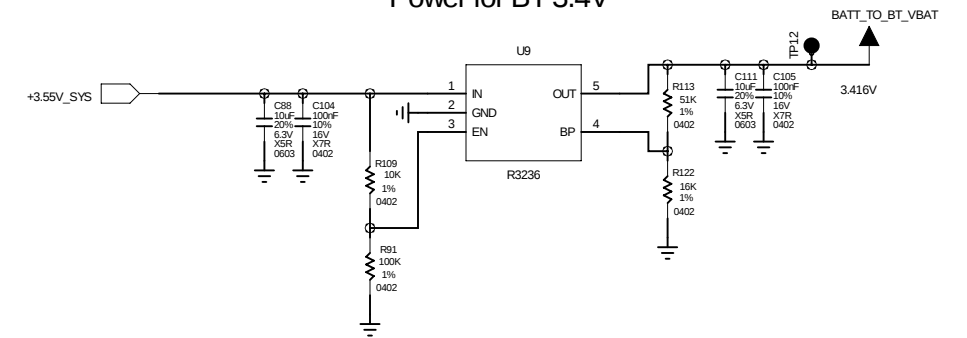


GPIO_L9	GPIO_L15	ODMs
0	0	TCL
0	1	GGEC
1	0	Cosonic

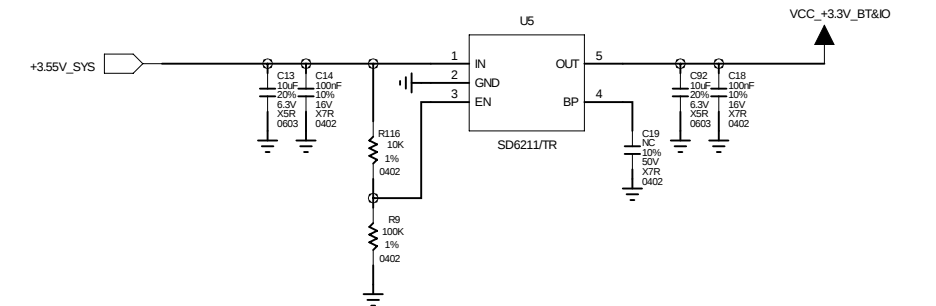
Flip6 Main Board Charge+Power



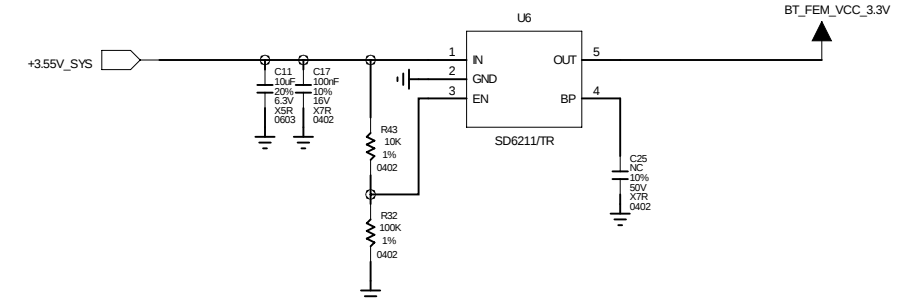
Power for BT 3.4V



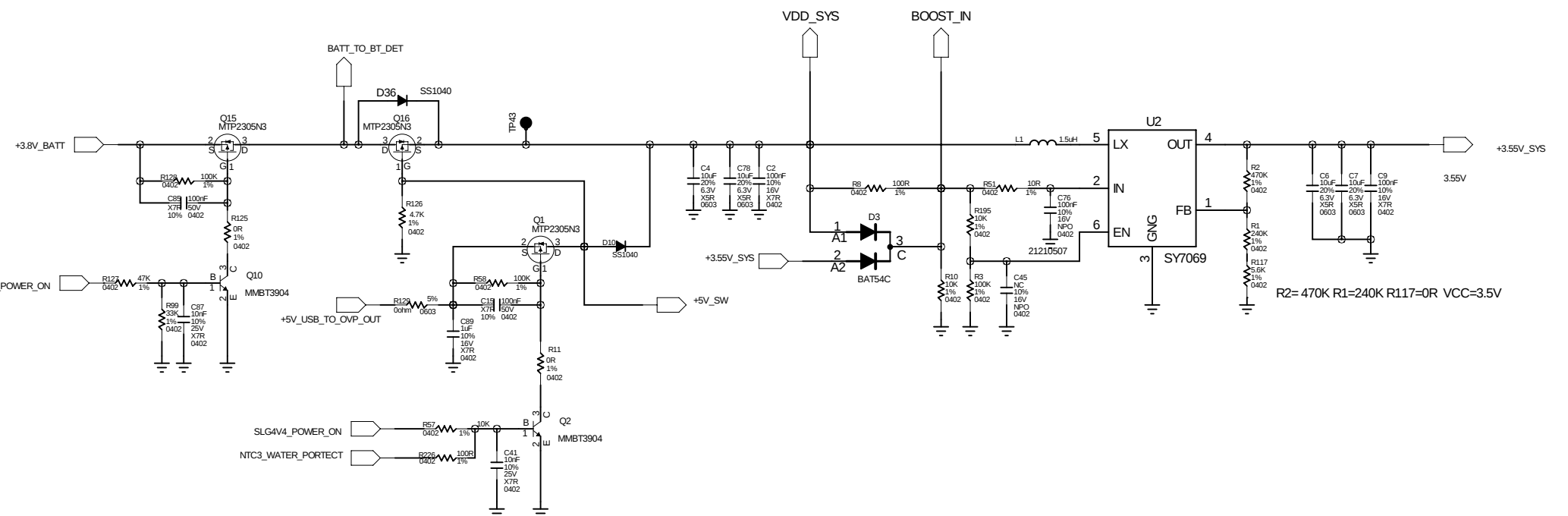
Power for BT&IO 3.3V



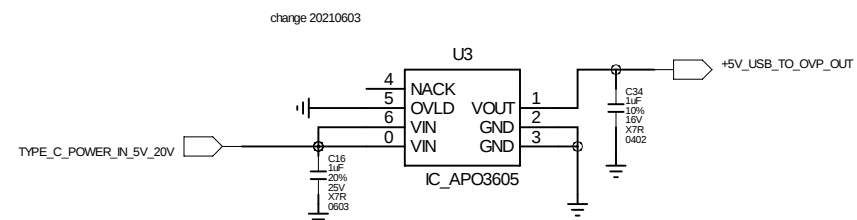
Power for BT_FEM 3.3V



Power for system 3.55V

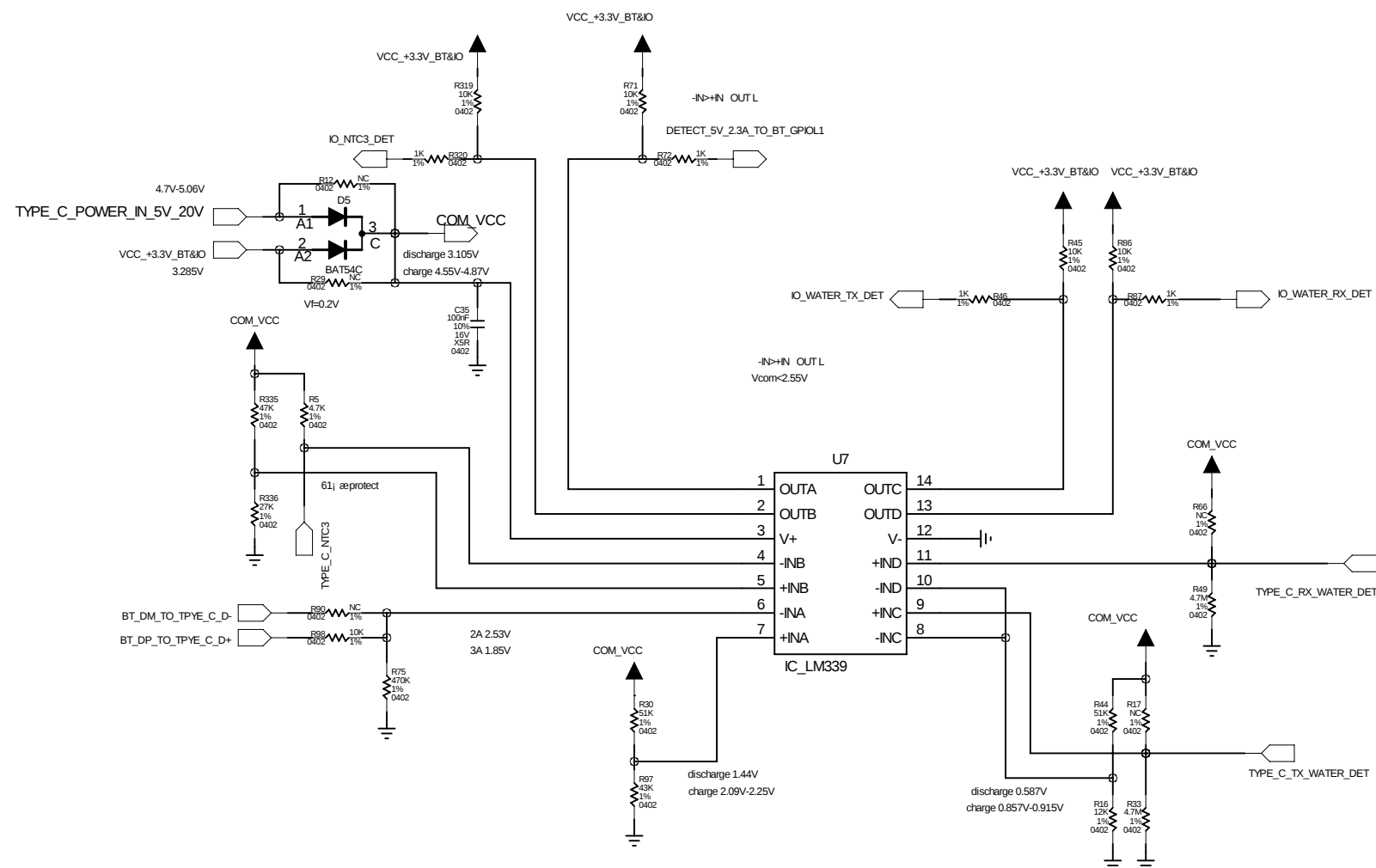


OVP

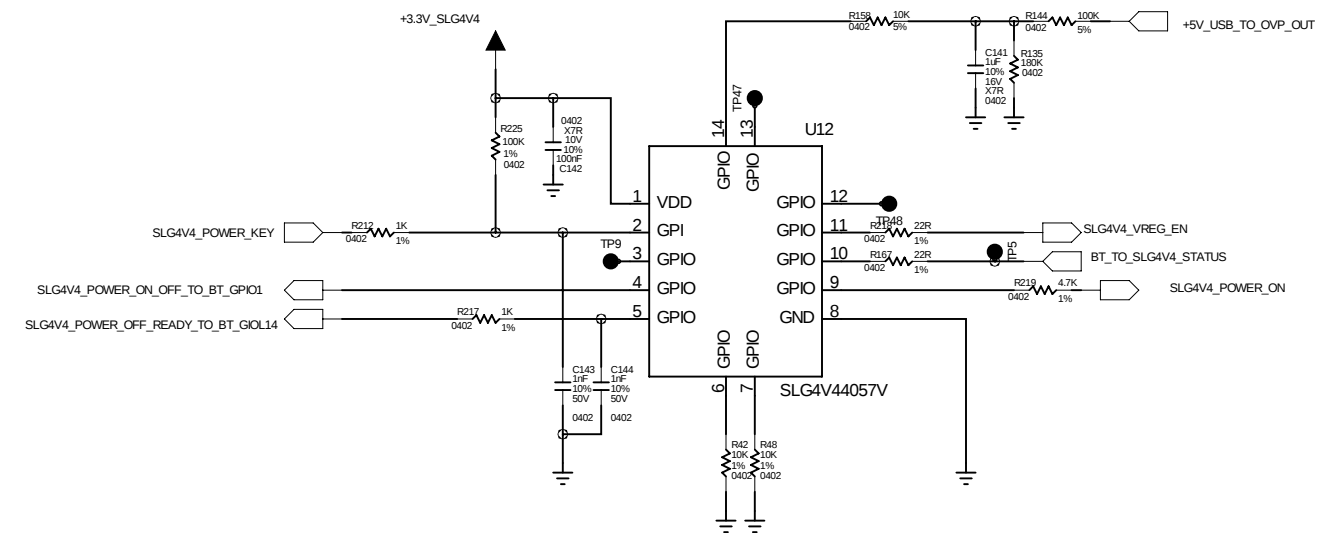


Flip6 Main Board Comparator+Logic

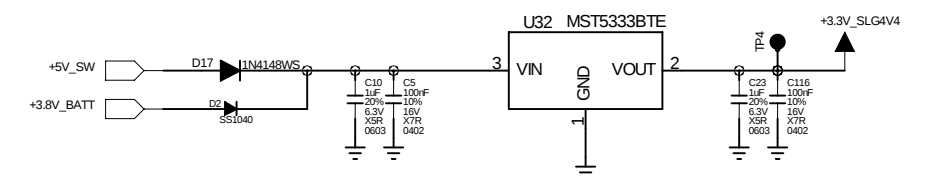
Comparator



Logic IC

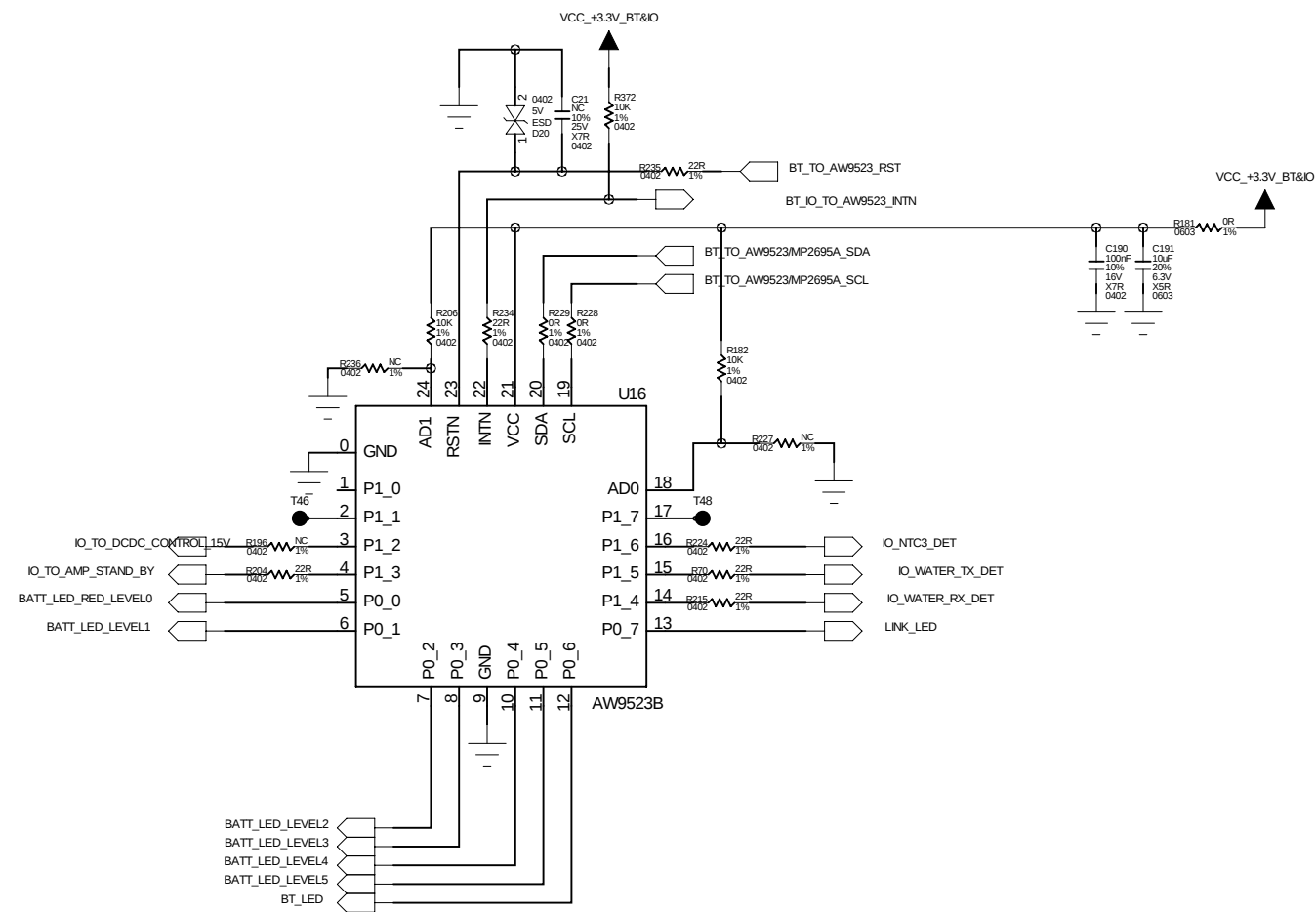


Power for logic 3.3V

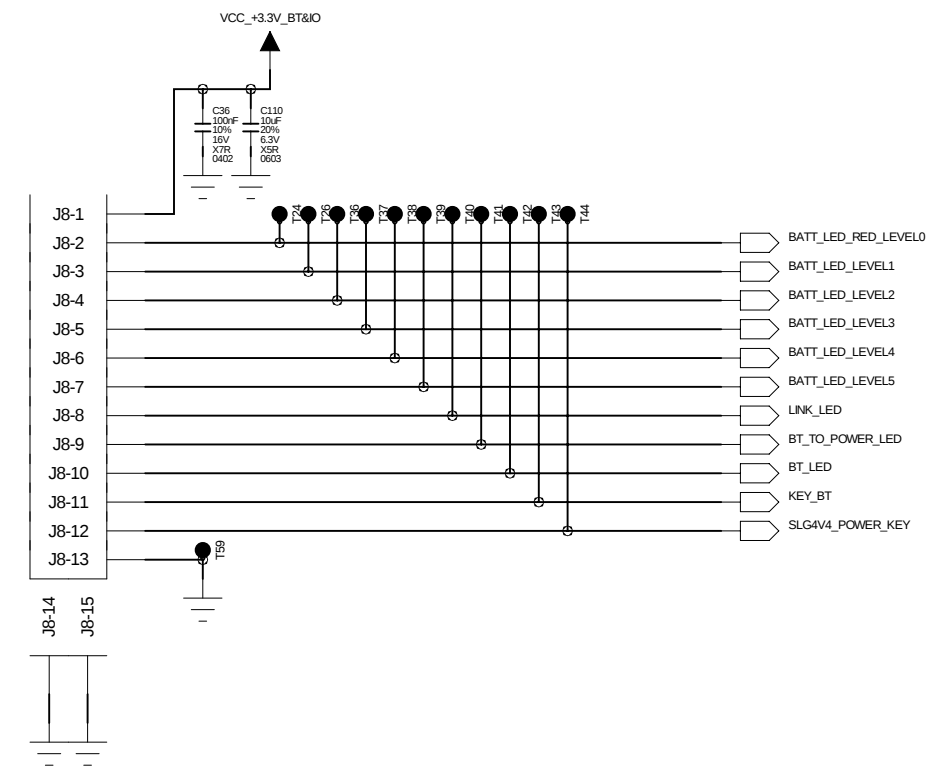


Flip6 Main Board IO_Expand

IO for LED

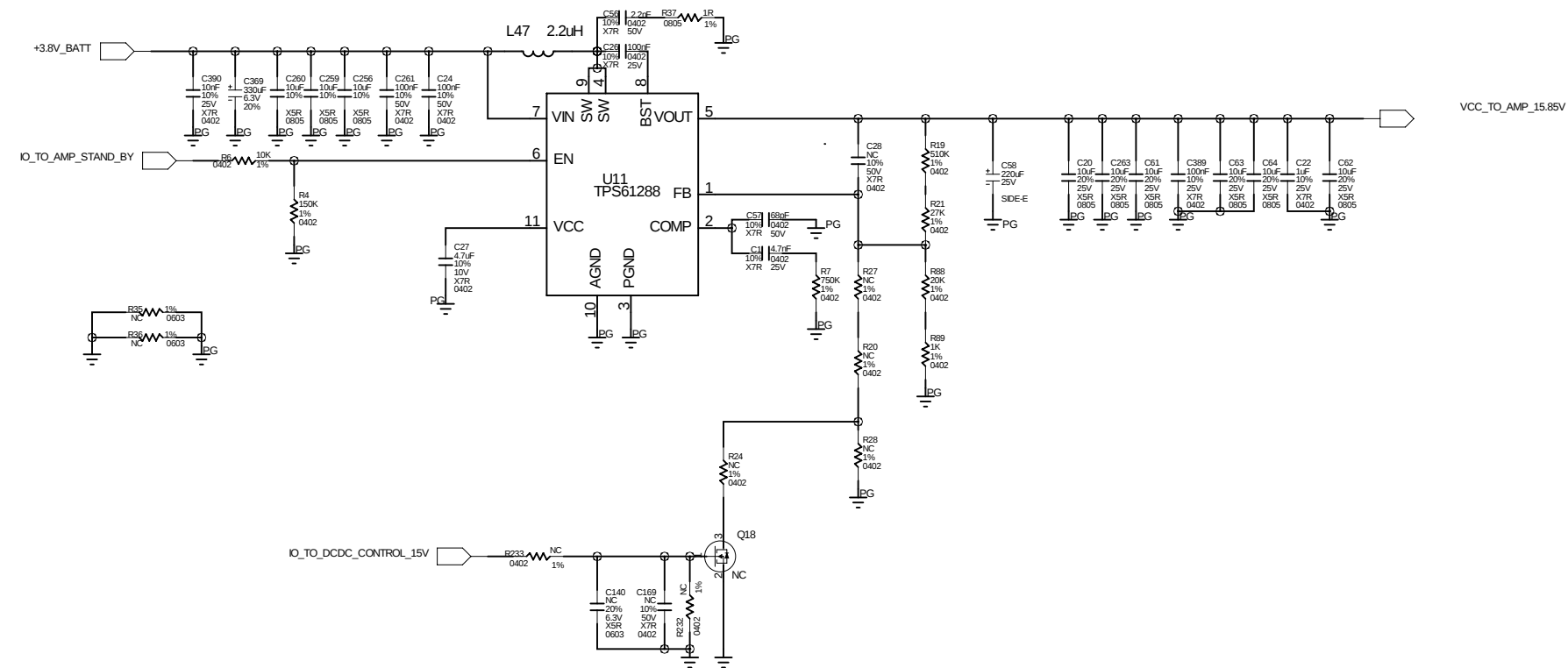


Connect for LED Board

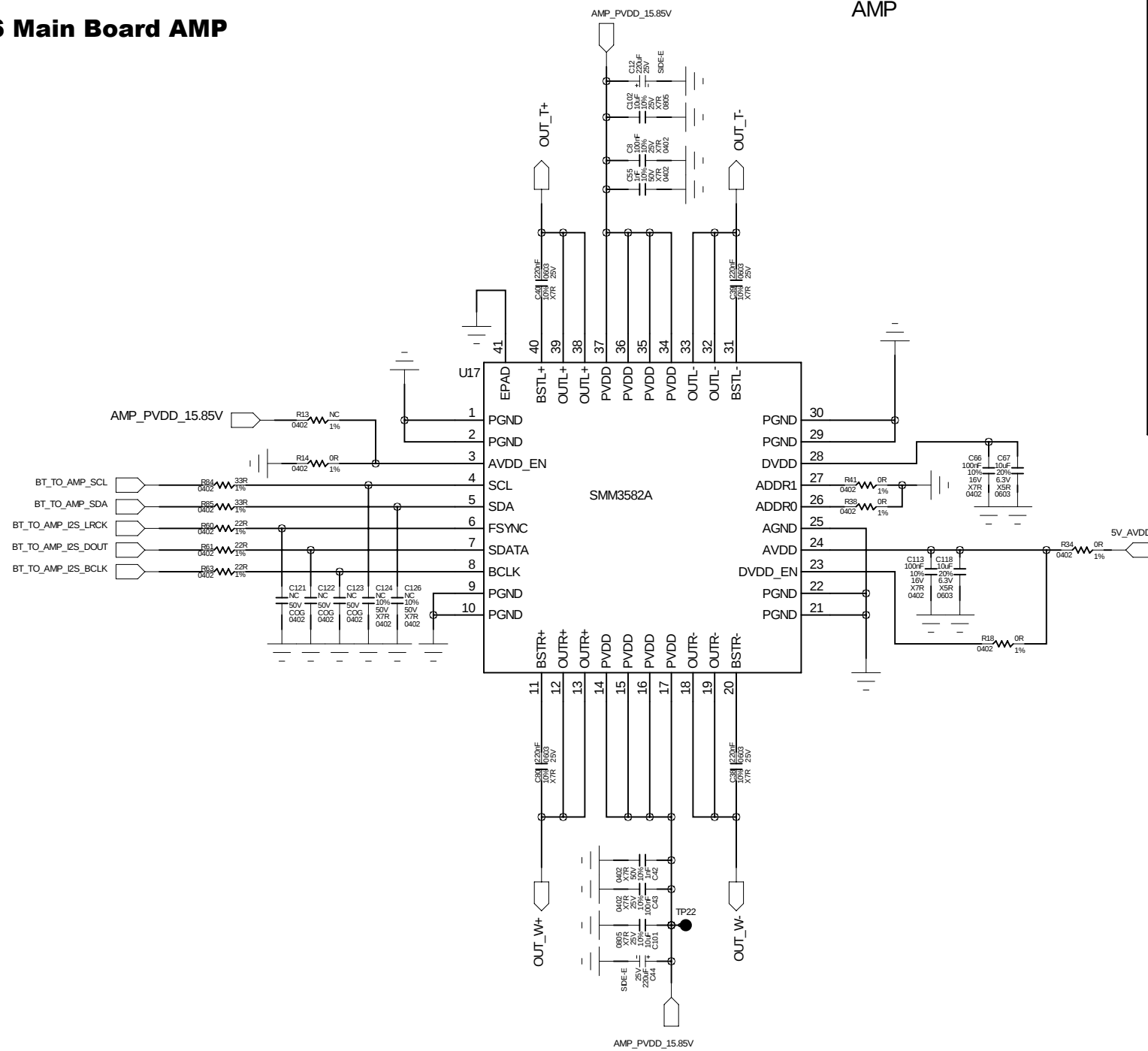


Flip6 Main Board DCDC

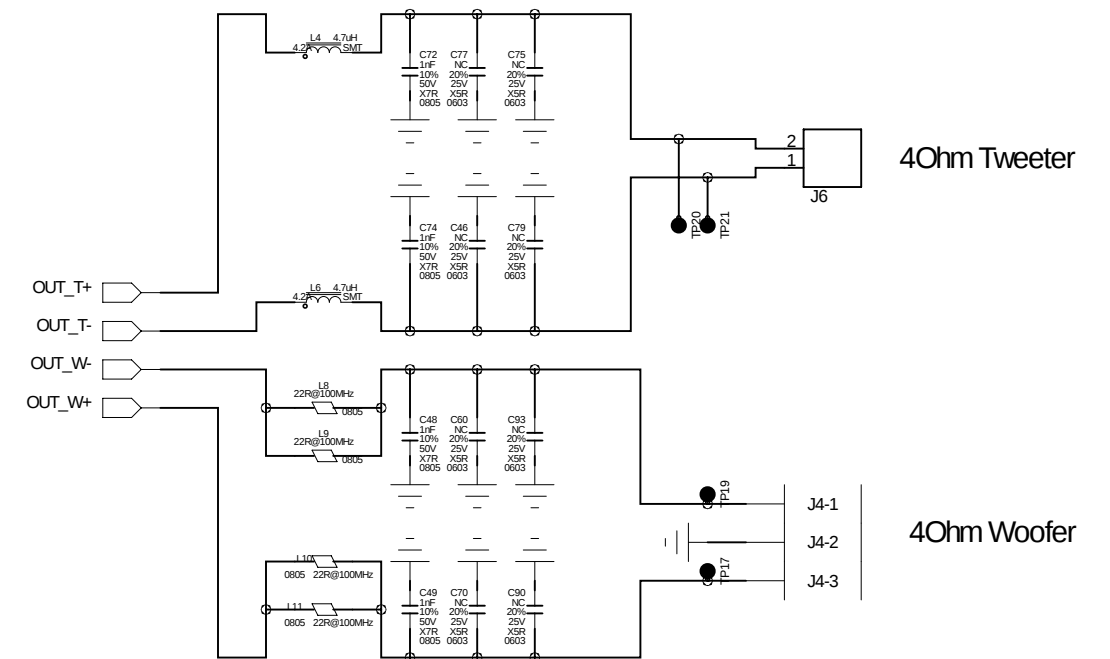
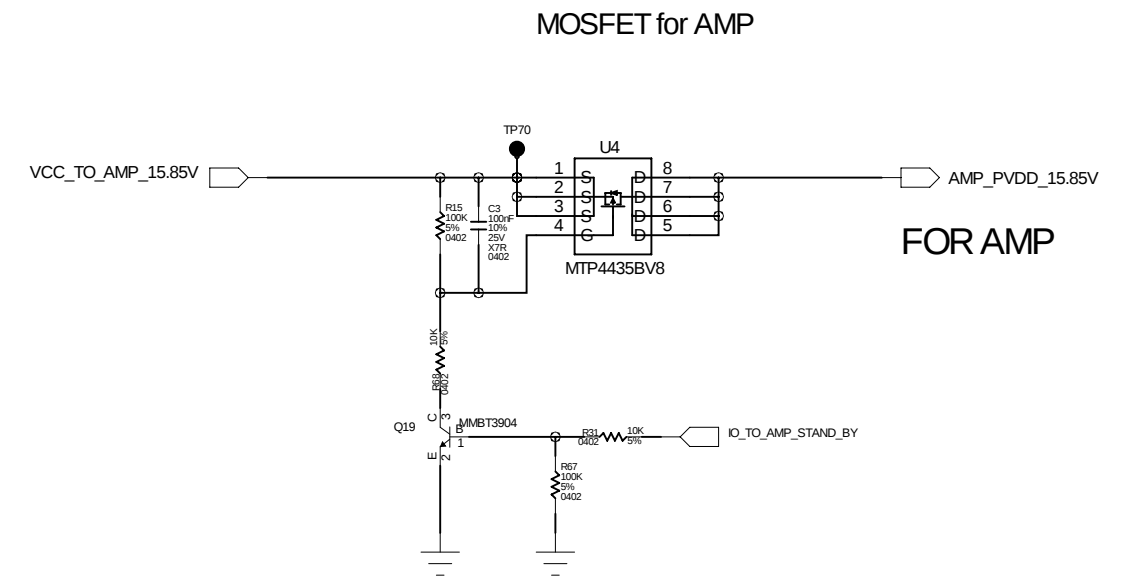
DCDC for AMP



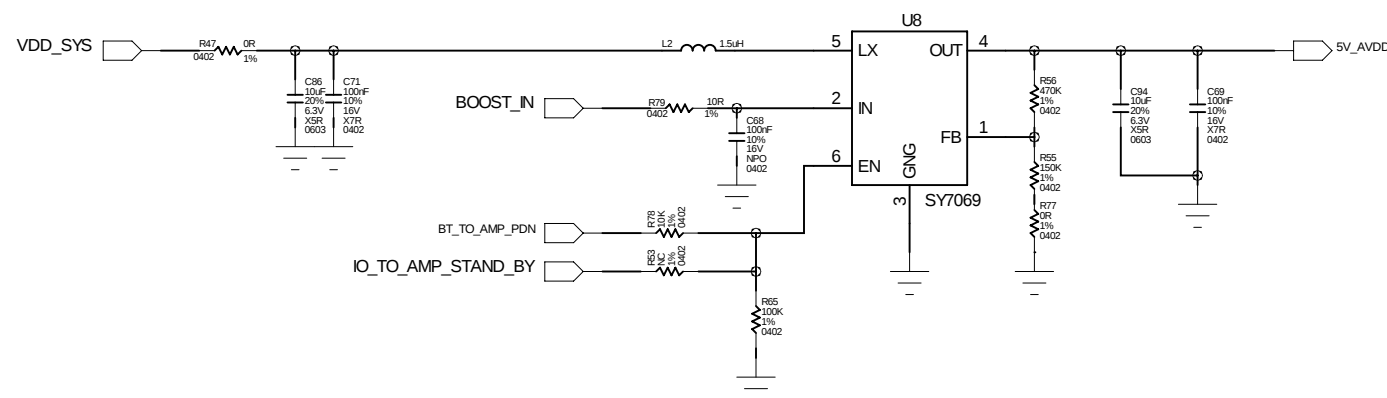
Flip6 Main Board AMP



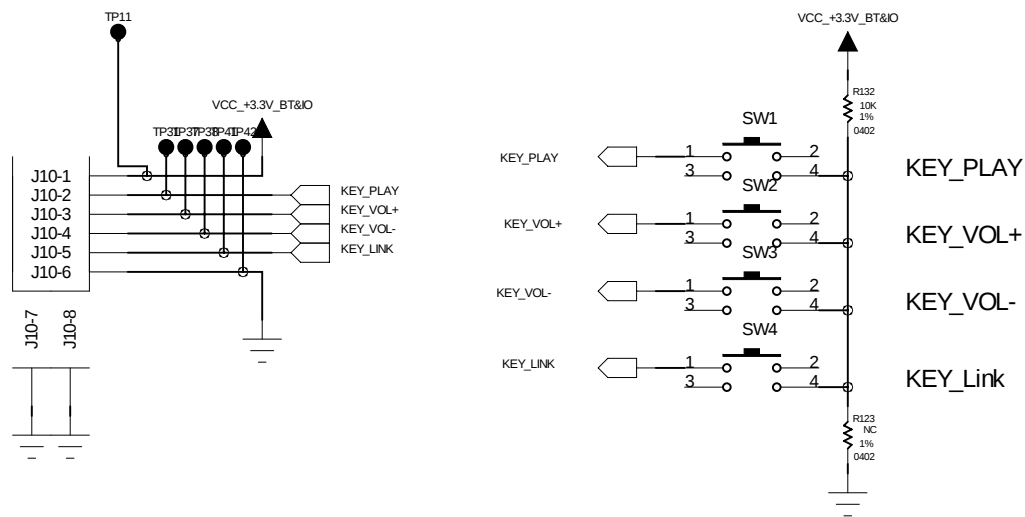
AMP



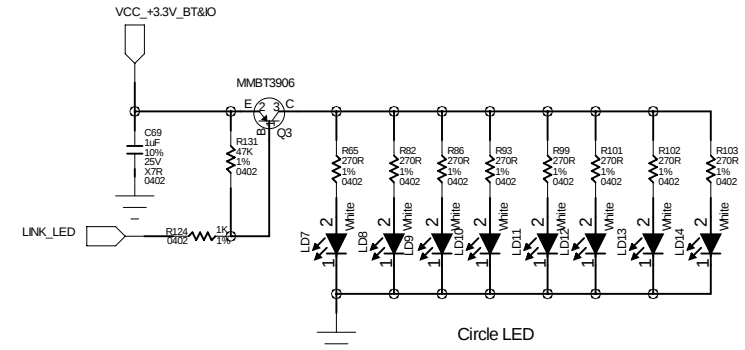
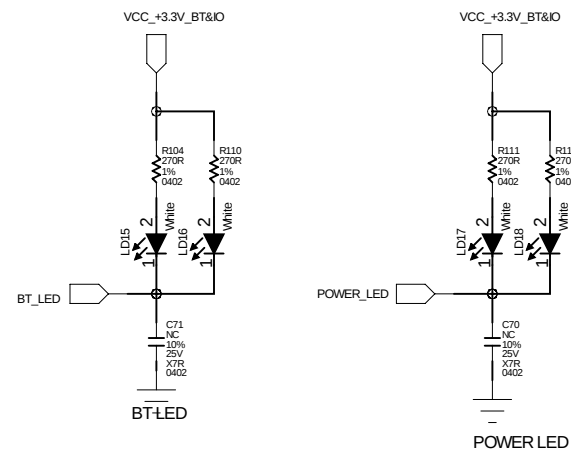
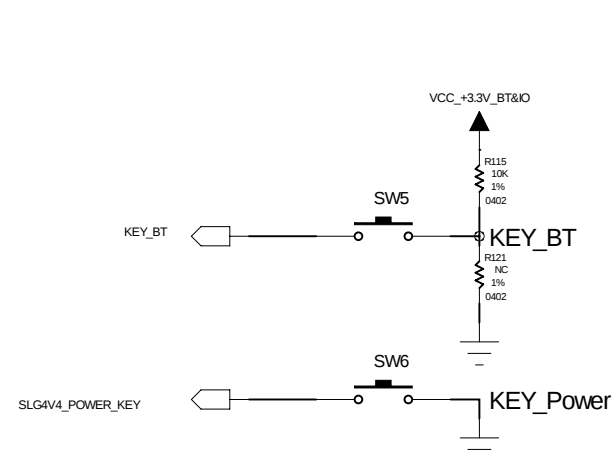
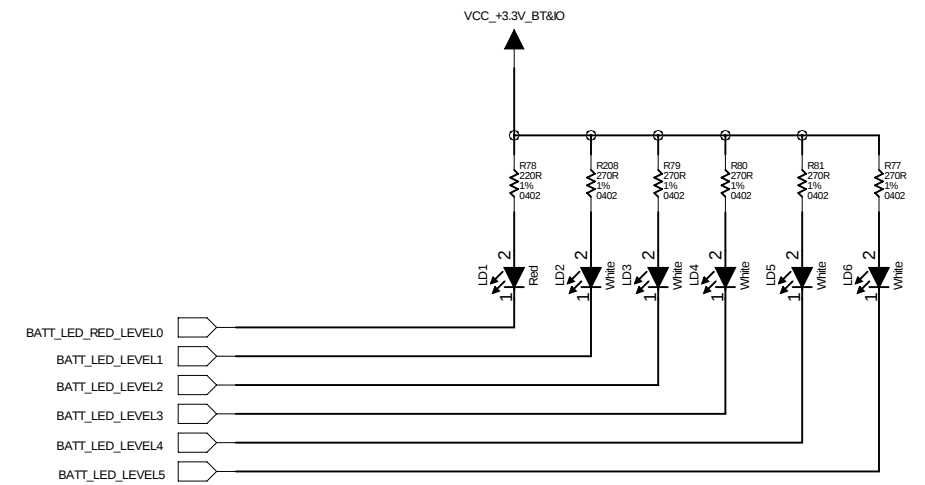
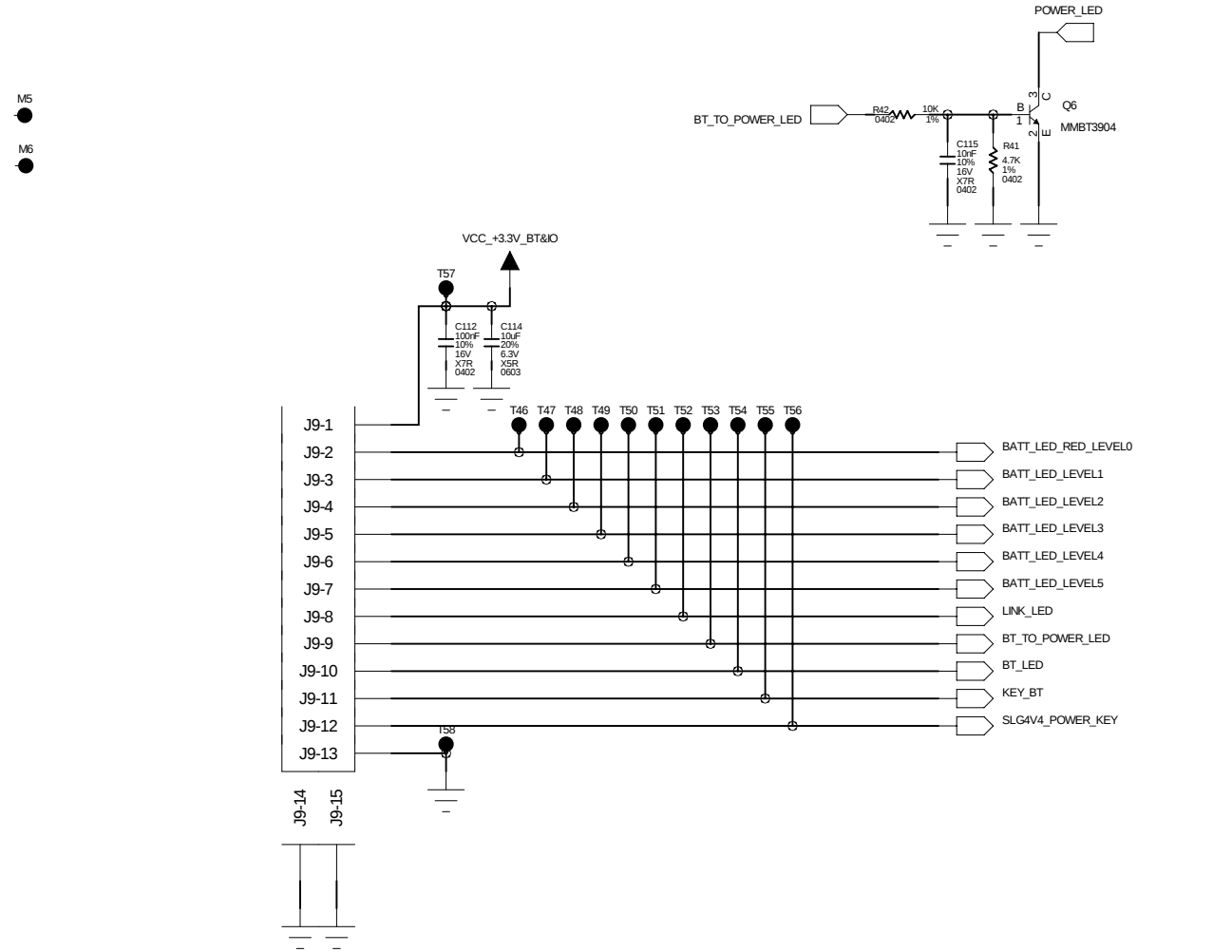
Power for AMP 5V



Flip6 KEY Board

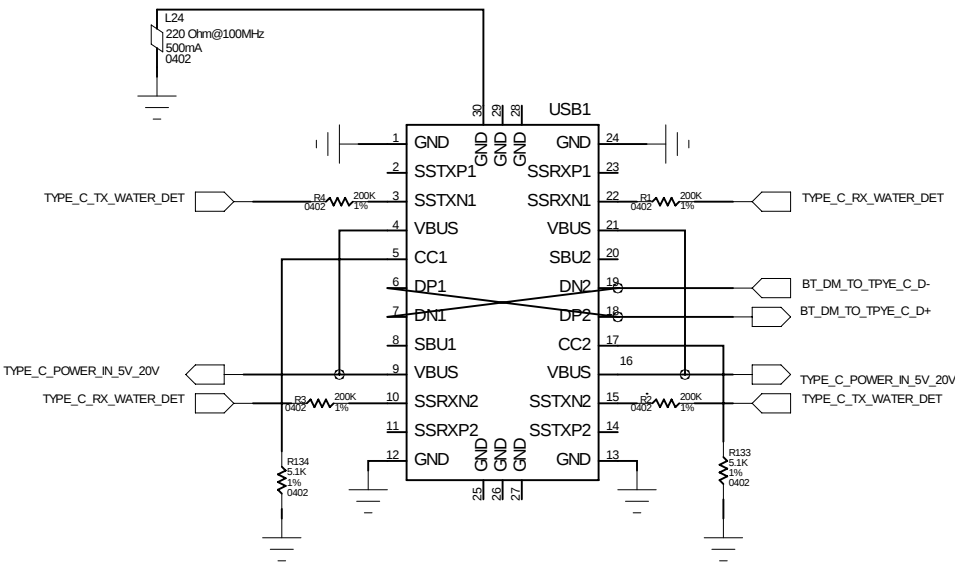


Flip6 LED Board

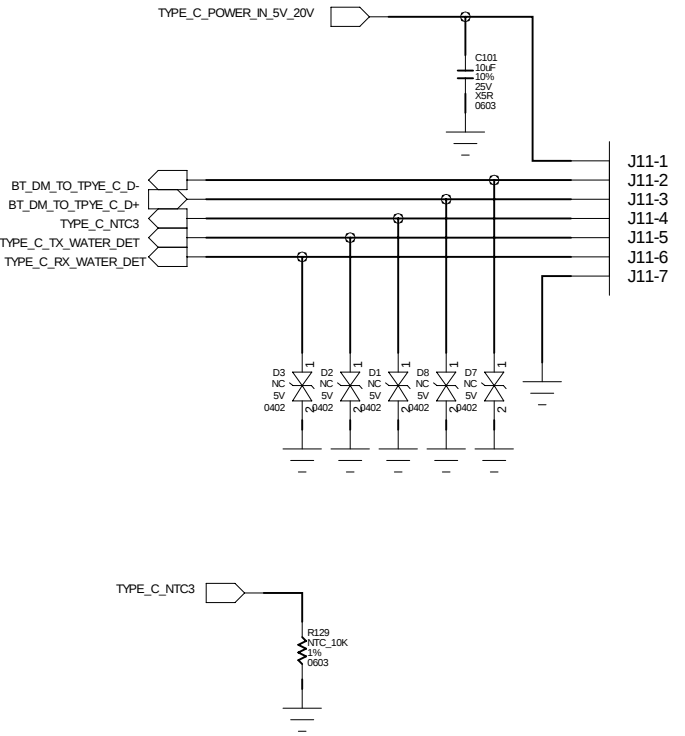


Flip6 USB Board

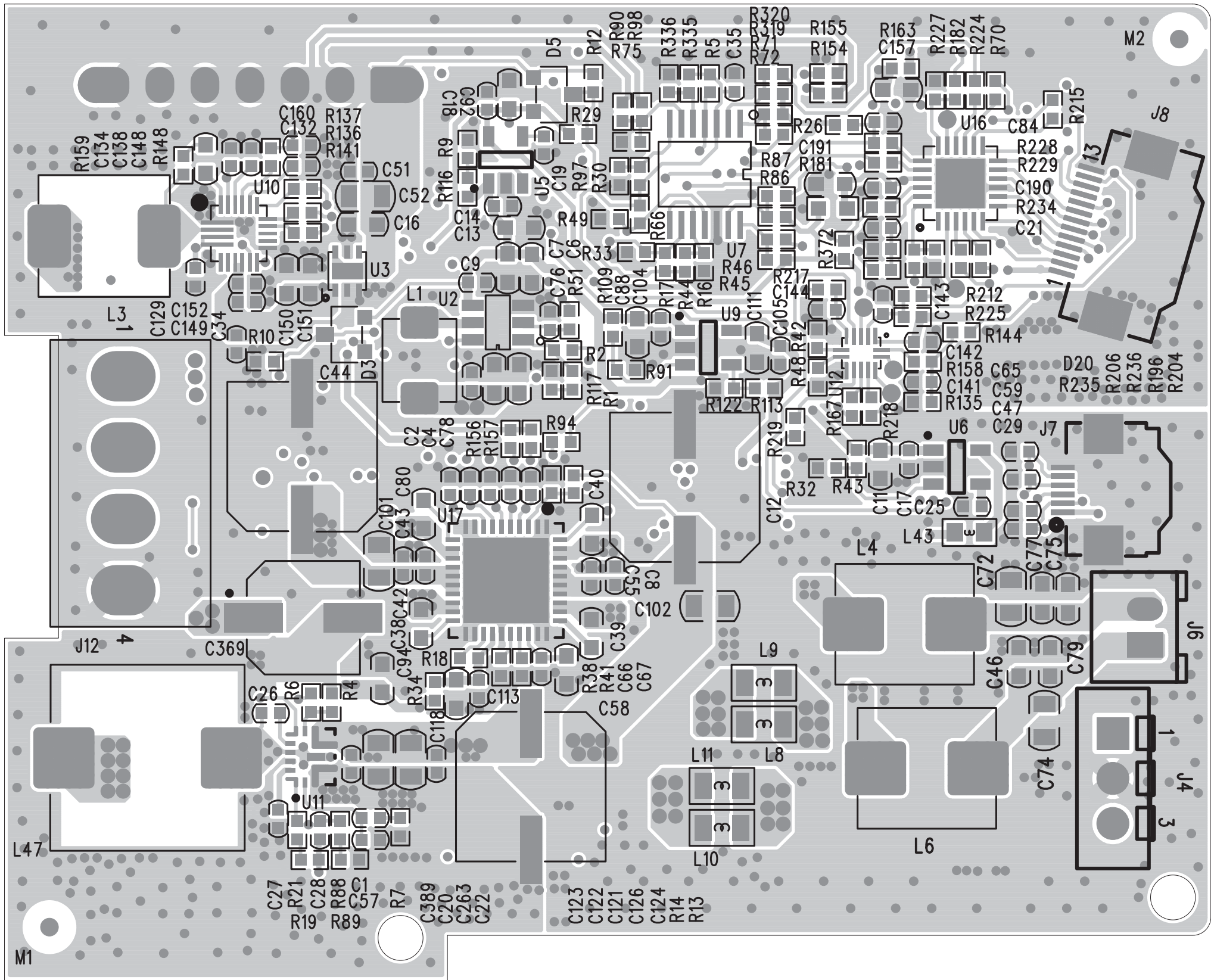
Type C



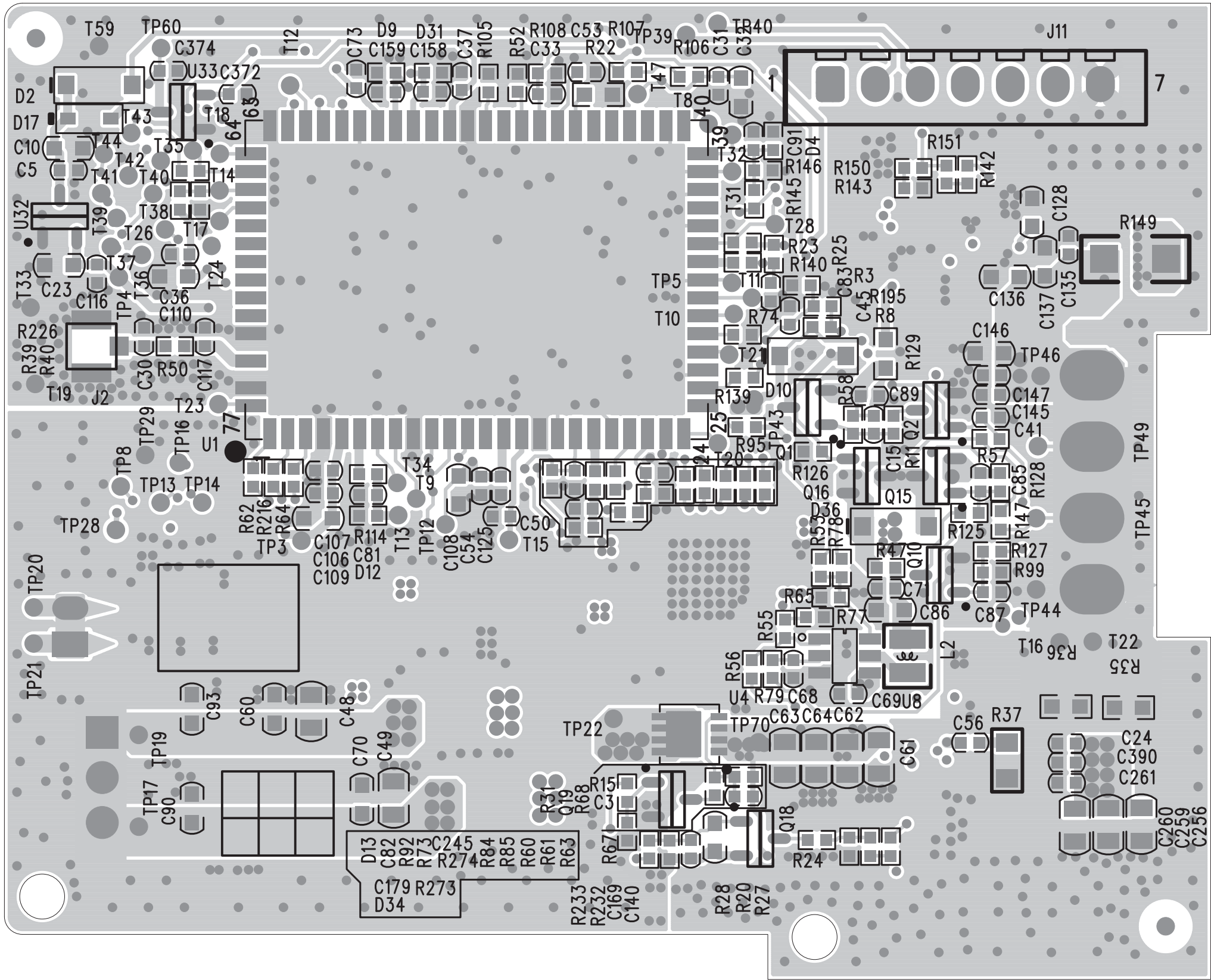
Connect to Main Board



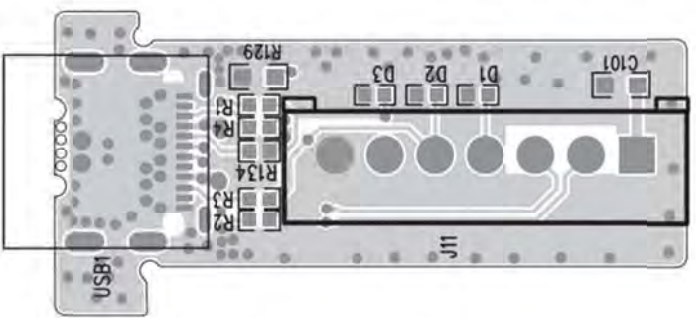
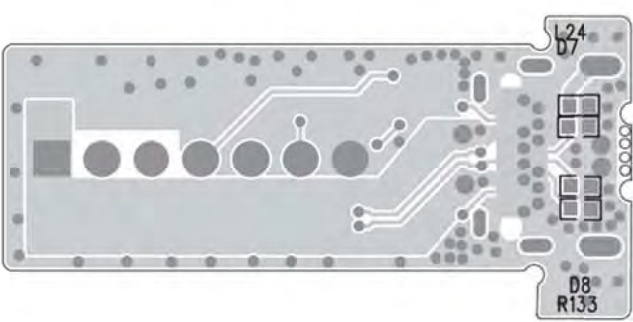
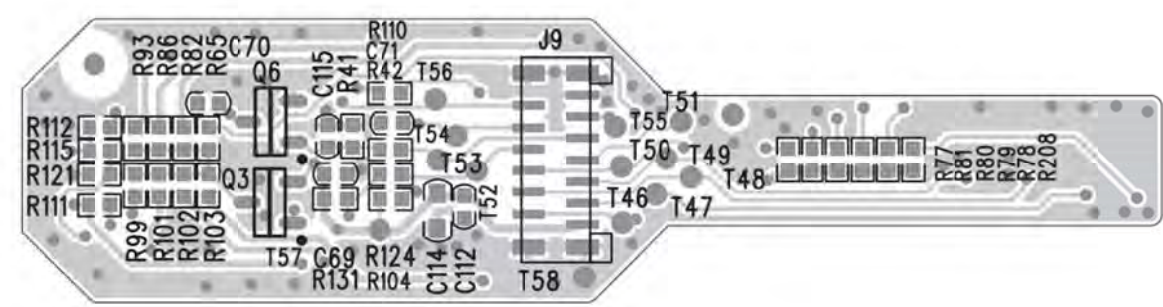
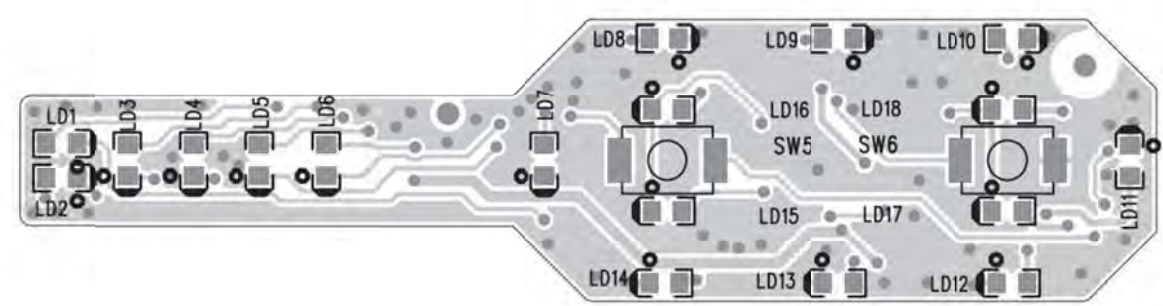
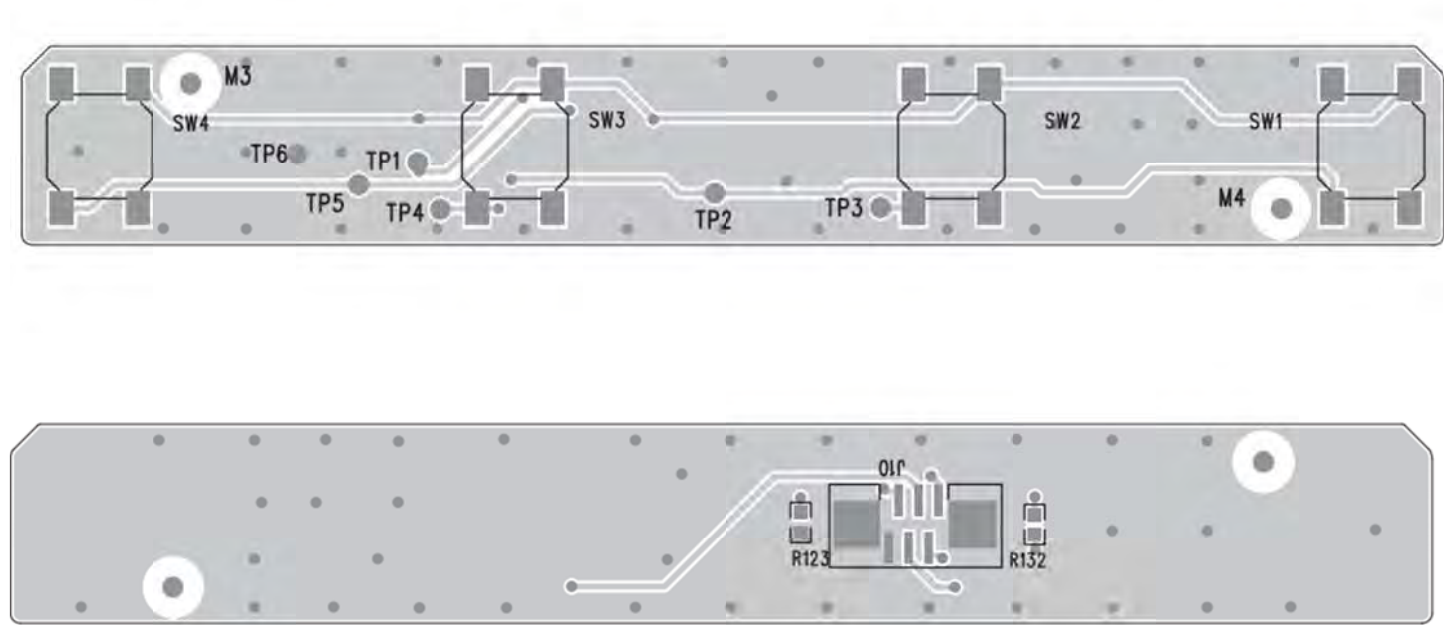
Flip6 Main Board Layout



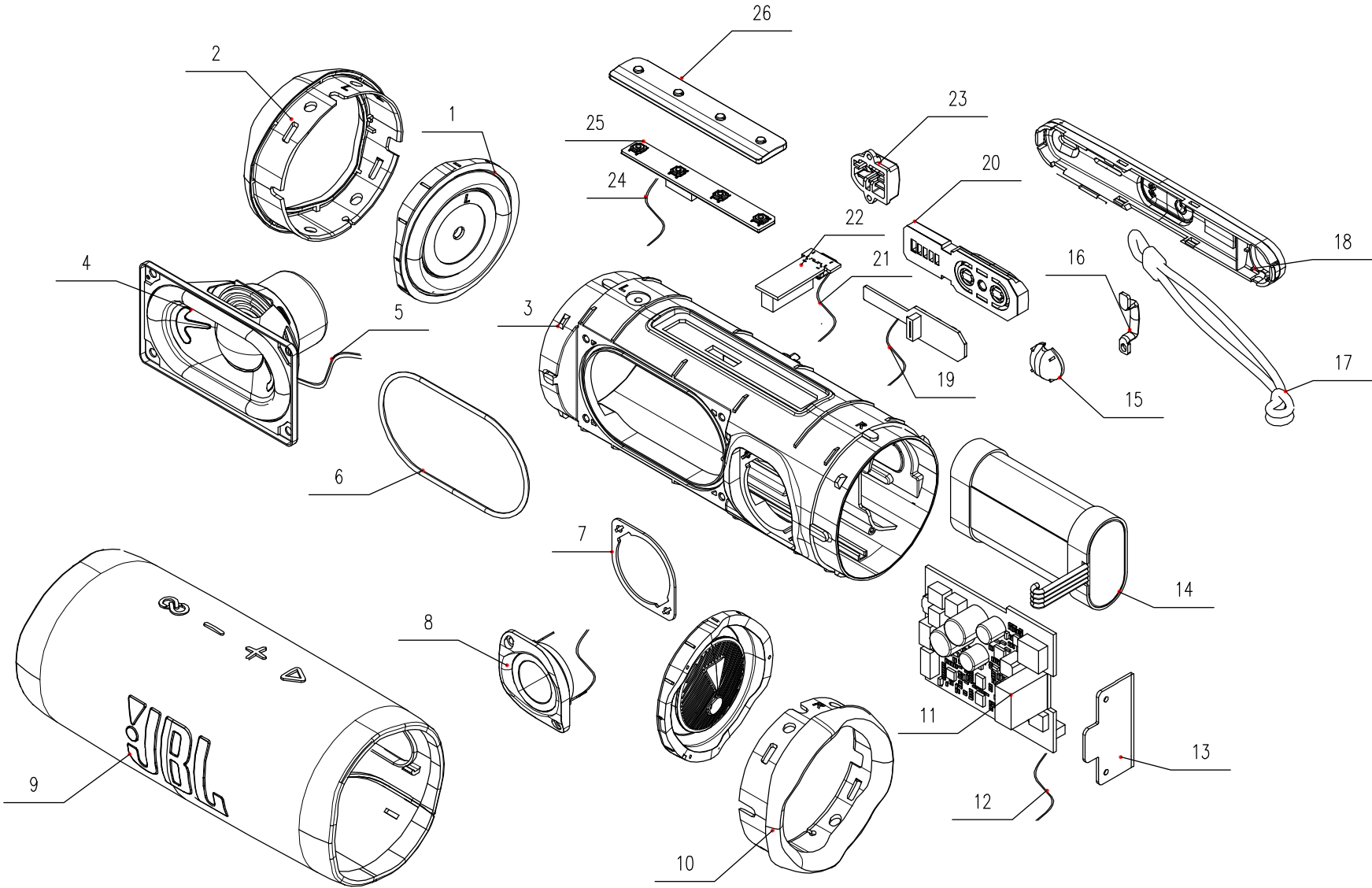
Flip6 Main Board Layout



Flip6 KEY+LED+USB Board Layout



MECHANICAL EXPLODED VIEW



Pos. No.	PIN	Description	UoM	Usage
1	PAS02014226	PASSIVE RADIATOR L+R BLK FLIP6 GG	PR	1
1	PAS02014227	PASSIVE RADIATOR L+R GRY FLIP6 GG	PR	1
1	PAS02014228	PASSIVE RADIATOR L+R WHT FLIP6 GG	PR	1
1	PAS02014229	PASSIVE RADIATOR L+R TEAL FLIP6 GG	PR	1
1	PAS02014230	PASSIVE RADIATOR L+R RED FLIP6 GG	PR	1
1	PAS02014231	PASSIVE RADIATOR L+R PINK FLIP6 GG	PR	1
1	PAS02014232	PASSIVE RADIATOR L+R BLU FLIP6 GG	PR	1
1	PAS02014233	PASSIVE RADIATOR L+R GRN FLIP6 GG	PR	1
1	PAS02014234	PASSIVE RADIATOR L+R SQUAD FLIP6 GG	PR	1
2	PAS02014235	SIDE COVER L BLK FLIP6 GG	EA	1
2	PAS02014236	SIDE COVER L GRY FLIP6 GG	EA	1
2	PAS02014237	SIDE COVER L WHT FLIP6 GG	EA	1
2	PAS02014238	SIDE COVER L TEAL FLIP6 GG	EA	1
2	PAS02014239	SIDE COVER L RED FLIP6 GG	EA	1
2	PAS02014240	SIDE COVER L PINK FLIP6 GG	EA	1
2	PAS02014241	SIDE COVER L BLU FLIP6 GG	EA	1
2	PAS02014242	SIDE COVER L GRN FLIP6 GG	EA	1
3	PAS02014243	CABINET FLIP6 GG	EA	1
4	PAS02014244	WOOFER FLIP6 GG	EA	1
5	PAS02014245	WIRE WOOFER FLIP6 GG	EA	1
6	PAS02014246	SEALING RING (WF) FLIP6 GG	EA	1
7	PAS02014247	SEALING RING(TW) FLIP6 GG	EA	1
8	PAS02014248	TWEETER FLIP6 GG	EA	1
9	PAS02014249	FABRIC ASSEMBLY BLK FLIP6 GG	EA	1
9	PAS02014250	FABRIC ASSEMBLY GRY FLIP6 GG	EA	1
9	PAS02014251	FABRIC ASSEMBLY WHT FLIP6 GG	EA	1
9	PAS02014252	FABRIC ASSEMBLY TEAL FLIP6 GG	EA	1
9	PAS02014253	FABRIC ASSEMBLY RED FLIP6 GG	EA	1
9	PAS02014254	FABRIC ASSEMBLY PINK FLIP6 GG	EA	1
9	PAS02014255	FABRIC ASSEMBLY BLU FLIP6 GG	EA	1
9	PAS02014256	FABRIC ASSEMBLY GRN FLIP6 GG	EA	1
9	PAS02014257	FABRIC ASSEMBLY SQUAD FLIP6 GG	EA	1
10	PAS02014258	SIDE COVER R BLK FLIP6 GG	EA	1
10	PAS02014259	SIDE COVER R GRY FLIP6 GG	EA	1
10	PAS02014260	SIDE COVER R WHT FLIP6 GG	EA	1
10	PAS02014261	SIDE COVER R TEAL FLIP6 GG	EA	1
10	PAS02014262	SIDE COVER R RED FLIP6 GG	EA	1
10	PAS02014263	SIDE COVER R PINK FLIP6 GG	EA	1
10	PAS02014264	SIDE COVER R BLU FLIP6 GG	EA	1
10	PAS02014265	SIDE COVER R GRN FLIP6 GG	EA	1
11	PAS02014266	MAIN BOARD FLIP6 TI GG	EA	1
11	PAS02014267	MAIN BOARD FLIP6 ADI GG	EA	1
12	PAS02014268	BT ANTENNA FLIP6 GG	EA	1
13	PAS02014269	BATTERY BAFFLE FLIP6 GG	EA	1
14	PAS02014270	LI-ION BATTERY FLIP6 GP GG	EA	1
15	PAS02014272	HOOK DECORATING PARTS BLK FLIP6 GG	EA	1
15	PAS02014273	HOOK DECORATING PARTS GRY FLIP6 GG	EA	1
15	PAS02014274	HOOK DECORATING PARTS WHT FLIP6 GG	EA	1
15	PAS02014275	HOOK DECORATING PARTS TEAL FLIP6 GG	EA	1
15	PAS02014276	HOOK DECORATING PARTS RED FLIP6 GG	EA	1
15	PAS02014277	HOOK DECORATING PARTS PINK FLIP6 GG	EA	1
15	PAS02014278	HOOK DECORATING PARTS BLU FLIP6 GG	EA	1
15	PAS02014279	HOOK DECORATING PARTS GRN FLIP6 GG	EA	1
16	PAS02014280	HOOK BLK FLIP6 GG	EA	1
16	PAS02014281	HOOK GRY FLIP6 GG	EA	1
16	PAS02014282	HOOK WHT FLIP6 GG	EA	1
16	PAS02014283	HOOK TEAL FLIP6 GG	EA	1
16	PAS02014284	HOOK RED FLIP6 GG	EA	1
16	PAS02014285	HOOK PINK FLIP6 GG	EA	1
16	PAS02014286	HOOK BLU FLIP6 GG	EA	1
16	PAS02014287	HOOK GRN FLIP6 GG	EA	1
17	PAS02014288	STRAP BLK FLIP6 GG	EA	1
17	PAS02014289	STRAP GRY FLIP6 GG	EA	1
17	PAS02014290	STRAP WHT FLIP6 GG	EA	1
17	PAS02014291	STRAP TEAL FLIP6 GG	EA	1
17	PAS02014292	STRAP RED FLIP6 GG	EA	1
17	PAS02014293	STRAP PINK FLIP6 GG	EA	1
17	PAS02014294	STRAP BLU FLIP6 GG	EA	1
17	PAS02014295	STRAP GRN FLIP6 GG	EA	1
17	PAS02014296	STRAP SQUAD FLIP6 GG	EA	1
18	PAS02014297	TOP COVER BLK FLIP6 GG	EA	1
18	PAS02014298	TOP COVER GRY FLIP6 GG	EA	1
18	PAS02014299	TOP COVER WHT FLIP6 GG	EA	1
18	PAS02014300	TOP COVER TEAL FLIP6 GG	EA	1
18	PAS02014301	TOP COVER RED FLIP6 GG	EA	1
18	PAS02014302	TOP COVER PINK FLIP6 GG	EA	1
18	PAS02014303	TOP COVER BLU FLIP6 GG	EA	1
18	PAS02014304	TOP COVER GRN FLIP6 GG	EA	1
18	PAS02014305	TOP COVER SQUAD FLIP6 GG	EA	1
19	PAS02014306	FFC 13P FOR LED BOARD FLIP6 GG	EA	1
20	PAS02014307	RUBBER BUTTON MAIN FLIP6 GG	EA	1
21	PAS02014308	CABLE FOR IO BOARD FLIP6 GG	EA	1
22	PAS02014309	USB BOARD FLIP6 GG	EA	1
23	PAS02014310	IO GASKET FLIP6 GG	EA	1
24	PAS02014311	FFC 6P FOR KEY BOARD FLIP6 GG	EA	1
25	PAS02014312	KEY+LED BOARD FLIP6 GG	EA	1
26	PAS02014313	RUBBER BUTTON SECONDARY FLIP6 GG	EA	1

JBL FLIP 6 GG SPARE PARTS LIST V1.2

Pos. No.	P/N	Description	UoM	Usage
1	PAS02014226	PASSIVE RADIATOR L+R BLK FLIP6 GG	PR	1
1	PAS02014227	PASSIVE RADIATOR L+R GRY FLIP6 GG	PR	1
1	PAS02014228	PASSIVE RADIATOR L+R WHT FLIP6 GG	PR	1
1	PAS02014229	PASSIVE RADIATOR L+R TEAL FLIP6 GG	PR	1
1	PAS02014230	PASSIVE RADIATOR L+R RED FLIP6 GG	PR	1
1	PAS02014231	PASSIVE RADIATOR L+R PINK FLIP6 GG	PR	1
1	PAS02014232	PASSIVE RADIATOR L+R BLU FLIP6 GG	PR	1
1	PAS02014233	PASSIVE RADIATOR L+R GRN FLIP6 GG	PR	1
1	PAS02014234	PASSIVE RADIATOR L+R SQUAD FLIP6 GG	PR	1
2	PAS02014235	SIDE COVER L BLK FLIP6 GG	EA	1
2	PAS02014236	SIDE COVER L GRY FLIP6 GG	EA	1
2	PAS02014237	SIDE COVER L WHT FLIP6 GG	EA	1
2	PAS02014238	SIDE COVER L TEAL FLIP6 GG	EA	1
2	PAS02014239	SIDE COVER L RED FLIP6 GG	EA	1
2	PAS02014240	SIDE COVER L PINK FLIP6 GG	EA	1
2	PAS02014241	SIDE COVER L BLU FLIP6 GG	EA	1
2	PAS02014242	SIDE COVER L GRN FLIP6 GG	EA	1
3	PAS02014243	CABINET FLIP6 GG	EA	1
4	PAS02014244	WOOFER FLIP6 GG	EA	1
5	PAS02014245	WIRE WOOFER FLIP6 GG	EA	1
6	PAS02014246	SEALING RING (WF) FLIP6 GG	EA	1
7	PAS02014247	SEALING RING(TW) FLIP6 GG	EA	1
8	PAS02014248	TWEETER FLIP6 GG	EA	1
9	PAS02014249	FABRIC ASSEMBLY BLK FLIP6 GG	EA	1
9	PAS02014250	FABRIC ASSEMBLY GRY FLIP6 GG	EA	1
9	PAS02014251	FABRIC ASSEMBLY WHT FLIP6 GG	EA	1
9	PAS02014252	FABRIC ASSEMBLY TEAL FLIP6 GG	EA	1
9	PAS02014253	FABRIC ASSEMBLY RED FLIP6 GG	EA	1
9	PAS02014254	FABRIC ASSEMBLY PINK FLIP6 GG	EA	1
9	PAS02014255	FABRIC ASSEMBLY BLU FLIP6 GG	EA	1
9	PAS02014256	FABRIC ASSEMBLY GRN FLIP6 GG	EA	1
9	PAS02014257	FABRIC ASSEMBLY SQUAD FLIP6 GG	EA	1
10	PAS02014258	SIDE COVER R BLK FLIP6 GG	EA	1
10	PAS02014259	SIDE COVER R GRY FLIP6 GG	EA	1
10	PAS02014260	SIDE COVER R WHT FLIP6 GG	EA	1
10	PAS02014261	SIDE COVER R TEAL FLIP6 GG	EA	1
10	PAS02014262	SIDE COVER R RED FLIP6 GG	EA	1
10	PAS02014263	SIDE COVER R PINK FLIP6 GG	EA	1
10	PAS02014264	SIDE COVER R BLU FLIP6 GG	EA	1
10	PAS02014265	SIDE COVER R GRN FLIP6 GG	EA	1
11	PAS02014266	MAIN BOARD FLIP6 TI GG	EA	1

11	PAS02014267	MAIN BOARD FLIP6 ADI GG	EA	1
11	PAS02014364	MAIN BOARD FLIP6 ALC1322 GG	EA	1
12	PAS02014268	BT ANTENNA FLIP6 GG	EA	1
13	PAS02014269	BATTERY BAFFLE FLIP6 GG	EA	1
14	PAS02014270	LI-ION BATTERY FLIP6 GP GG	EA	1
15	PAS02014272	HOOK DECORATING PARTS BLK FLIP6 GG	EA	1
15	PAS02014273	HOOK DECORATING PARTS GRY FLIP6 GG	EA	1
15	PAS02014274	HOOK DECORATING PARTS WHT FLIP6 GG	EA	1
15	PAS02014275	HOOK DECORATING PARTS TEAL FLIP6 GG	EA	1
15	PAS02014276	HOOK DECORATING PARTS RED FLIP6 GG	EA	1
15	PAS02014277	HOOK DECORATING PARTS PINK FLIP6 GG	EA	1
15	PAS02014278	HOOK DECORATING PARTS BLU FLIP6 GG	EA	1
15	PAS02014279	HOOK DECORATING PARTS GRN FLIP6 GG	EA	1
16	PAS02014280	HOOK BLK FLIP6 GG	EA	1
16	PAS02014281	HOOK GRY FLIP6 GG	EA	1
16	PAS02014282	HOOK WHT FLIP6 GG	EA	1
16	PAS02014283	HOOK TEAL FLIP6 GG	EA	1
16	PAS02014284	HOOK RED FLIP6 GG	EA	1
16	PAS02014285	HOOK PINK FLIP6 GG	EA	1
16	PAS02014286	HOOK BLU FLIP6 GG	EA	1
16	PAS02014287	HOOK GRN FLIP6 GG	EA	1
17	PAS02014288	STRAP BLK FLIP6 GG	EA	1
17	PAS02014289	STRAP GRY FLIP6 GG	EA	1
17	PAS02014290	STRAP WHT FLIP6 GG	EA	1
17	PAS02014291	STRAP TEAL FLIP6 GG	EA	1
17	PAS02014292	STRAP RED FLIP6 GG	EA	1
17	PAS02014293	STRAP PINK FLIP6 GG	EA	1
17	PAS02014294	STRAP BLU FLIP6 GG	EA	1
17	PAS02014295	STRAP GRN FLIP6 GG	EA	1
17	PAS02014296	STRAP SQUAD FLIP6 GG	EA	1
18	PAS02014297	TOP COVER BLK FLIP6 GG	EA	1
18	PAS02014298	TOP COVER GRY FLIP6 GG	EA	1
18	PAS02014299	TOP COVER WHT FLIP6 GG	EA	1
18	PAS02014300	TOP COVER TEAL FLIP6 GG	EA	1
18	PAS02014301	TOP COVER RED FLIP6 GG	EA	1
18	PAS02014302	TOP COVER PINK FLIP6 GG	EA	1
18	PAS02014303	TOP COVER BLU FLIP6 GG	EA	1
18	PAS02014304	TOP COVER GRN FLIP6 GG	EA	1
18	PAS02014305	TOP COVER SQUAD FLIP6 GG	EA	1
19	PAS02014306	FFC 13P FOR LED BOARD FLIP6 GG	EA	1
20	PAS02014307	RUBBER BUTTON MAIN FLIP6 GG	EA	1
21	PAS02014308	CABLE FOR IO BOARD FLIP6 GG	EA	1
22	PAS02014309	USB BOARD FLIP6 GG	EA	1

23	PAS02014310	IO GASKET FLIP6 GG	EA	1
24	PAS02014311	FFC 6P FOR KEY BOARD FLIP6 GG	EA	1
25	PAS02014312	KEY+LED BOARD FLIP6 GG	EA	1
26	PAS02014313	RUBBER BUTTON SECONDARY FLIP6 GG	EA	1
	PAS02014314	GIFT BOX BLK FLIP6 GG	EA	1
	PAS02014315	GIFT BOX GRY FLIP6 GG	EA	1
	PAS02014316	GIFT BOX WHT FLIP6 GG	EA	1
	PAS02014317	GIFT BOX TEAL FLIP6 GG	EA	1
	PAS02014318	GIFT BOX RED FLIP6 GG	EA	1
	PAS02014319	GIFT BOX PINK FLIP6 GG	EA	1
	PAS02014320	GIFT BOX BLU FLIP6 GG	EA	1
	PAS02014321	GIFT BOX GRN FLIP6 GG	EA	1
	PAS02014322	GIFT BOX SQUAD FLIP6 GG	EA	1
	PAS02014323	GIFT BOX BLKAM FLIP6 GG	EA	1
	PAS02014324	GIFT BOX GRYAM FLIP6 GG	EA	1
	PAS02014325	GIFT BOX WHTAM FLIP6 GG	EA	1
	PAS02014326	GIFT BOX TEALAM FLIP6 GG	EA	1
	PAS02014327	GIFT BOX REDAM FLIP6 GG	EA	1
	PAS02014328	GIFT BOX PINKAM FLIP6 GG	EA	1
	PAS02014329	GIFT BOX BLUAM FLIP6 GG	EA	1
	PAS02014330	GIFT BOX GRNAM FLIP6 GG	EA	1
	PAS02014331	GIFT BOX SQUADAM FLIP6 GG	EA	1
	PAS02014332	GIFT BOX BLKEU FLIP6 GG	EA	1
	PAS02014333	USB CABLE FLIP6 GG	EA	1
	PAS02014335	FABRIC ASSEMBLY SMALL LOGO WHT FLIP6 GG	EA	1



Service Info

Service Info # JBL2022-014

July - 2022

To: **All JBL Service Centers**

Models: **JBL Flip 6 GG**

Subject: **Module Parts Changes – Main PCBA**



Three different kinds of main-boards exist to FLIP 6 GG.

1. Main-board with amplifier IC ADI3582
2. Main-board with amplifier IC TI TAS5825
3. Main-board with amplifier IC ALC1322

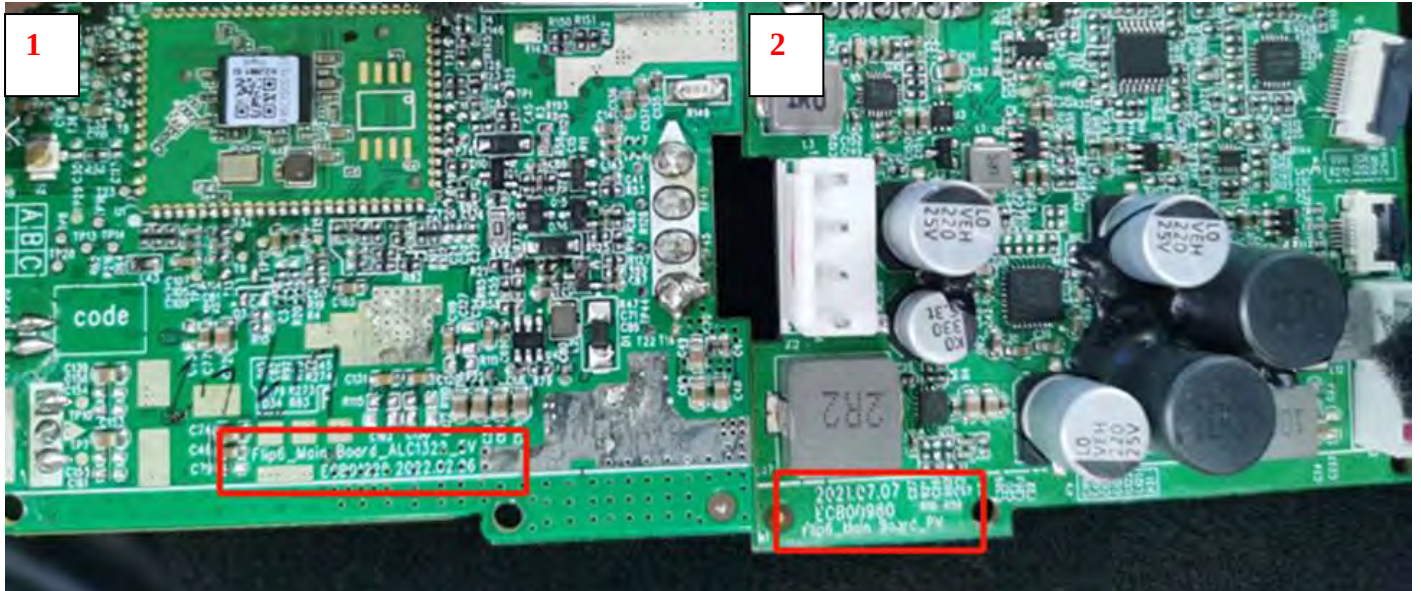
All main-boards are fully compatible with each other.

Involved Main Board:

Item	Part Number	Description	UoM	Usage
1	PAS02014267	MAIN BOARD FLIP6 ADI GG	EA	1
2	PAS02014266	MAIN BOARD FLIP6 TI GG	EA	1
3	PAS02014364	MAIN BOARD FLIP6 ALC1322 GG	EA	1

To identify Main PCBA:

- 1) The TI Main Board has manufacture number ECB00980 as shown,
- 2) The ALC Main Board has manufacture number ECB01229 as shown.



Model	Serial number:	Status	Action	PN used
Flip 6	GG version	Main-board replacement	Replace board	As mentioned

REVISION LIST

Version 1.0

* Initial release. Sep. 2021

Version 1.1

* Remove Samsung Li-ion battery, and keep GP battery. Add Service Info. Mar. 2022

Version 1.2

- 1) Add 3rd Main Board
- 2) Update Service Info.
- 3) Add white fabric assembly with small logo for US customization. Aug. 2022