

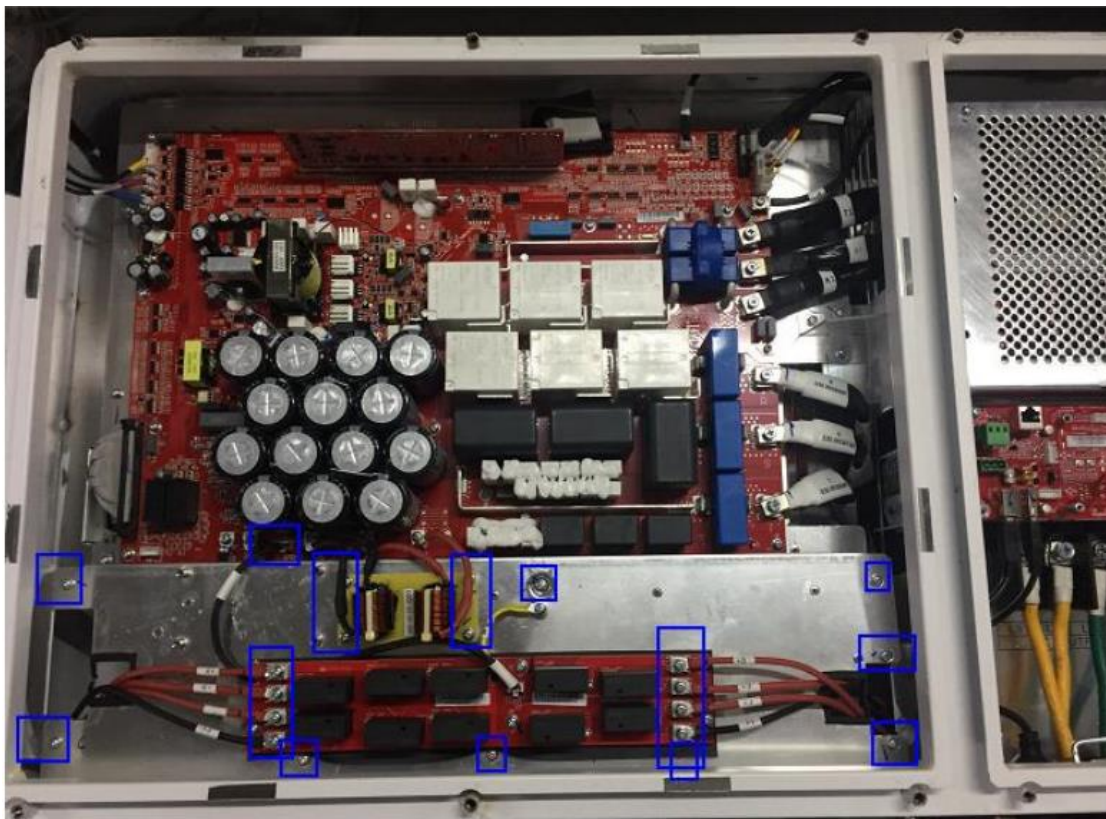
Steps of replace the Power board and the instructions

Notes

- 1.Divide Screws types
2. Pay attention to dropping screws
- 3.record the damaged point of the board
- 4.record all the wire connection
- 5.make sure the waterproof measurement
- 6.make sure not broken the screw

2.Step1: uninstall the SPD board as below picture:

Unfasten all the Screw as marked, take out the SPD board and plate



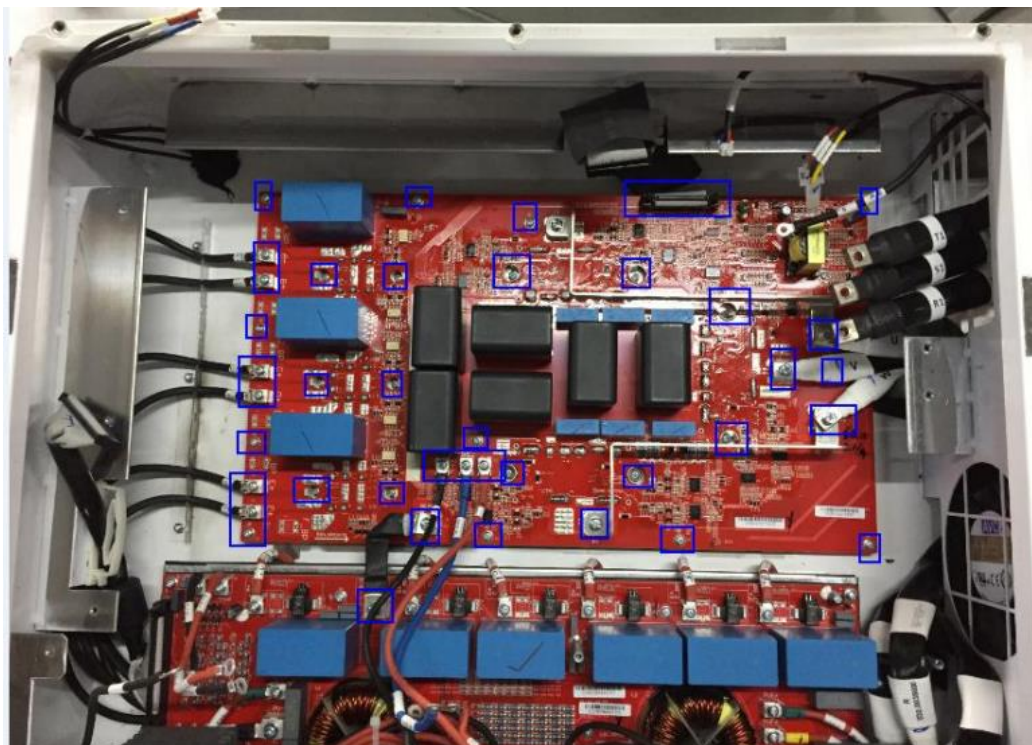
3.Step2: uninstall the I/O board and plate as below:

Unfasten all the screws and cables, take out the I/O board and the plate

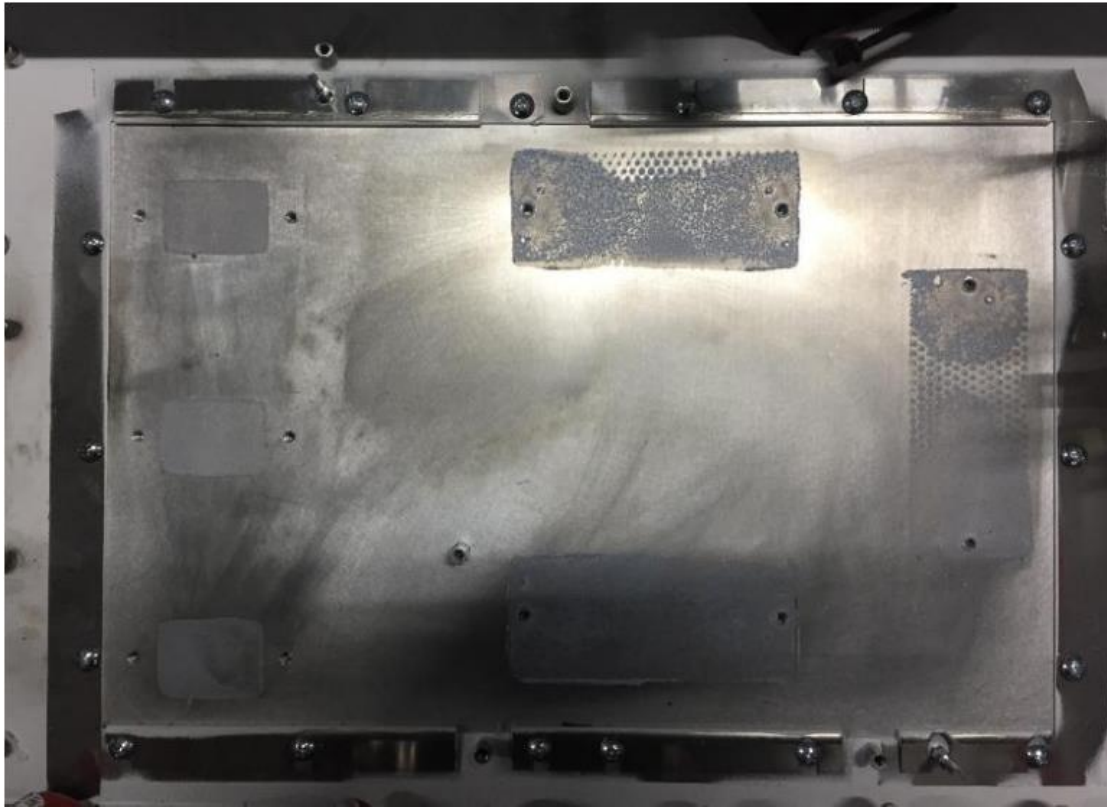


4.Step3: uninstall the POWER board

Unfasten all the screws and cables, take out the board.



Take out the POWER board, and clean the Radiator plate



2、 POWER board installation and instruction

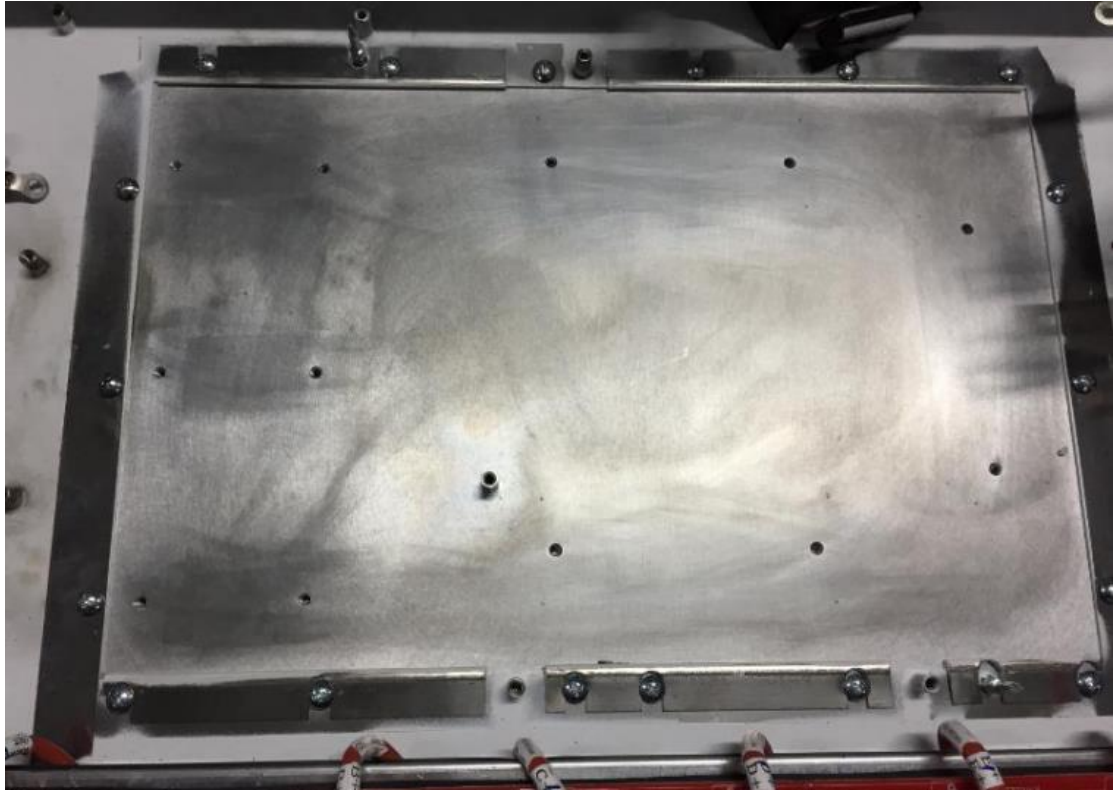
Notes

- 1.clean the Radiator, make sure the face smooth
- 2.Neat the silicone on the face of the IGBT. Take the pictures of the IGBT state
- 3.make sure all the cables connected well, every strings should connect to original point
- 4.Pay attention to the Dropping of the screws

2.Step1: Clean the Radiator silicone. High percent alcohol may could help to clean.

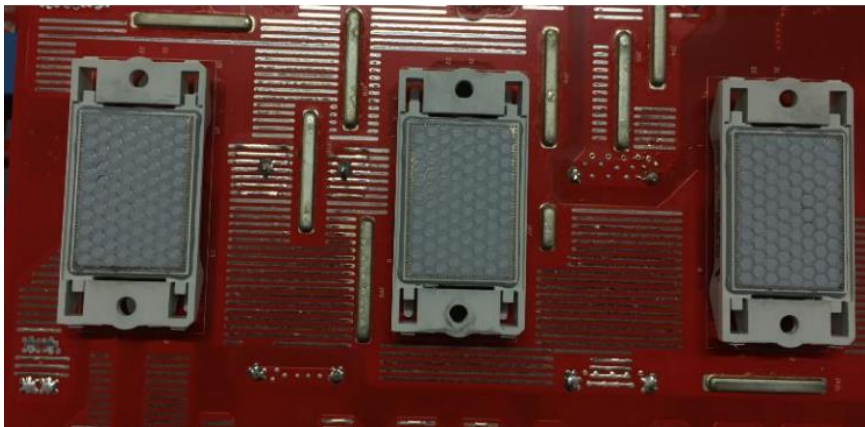
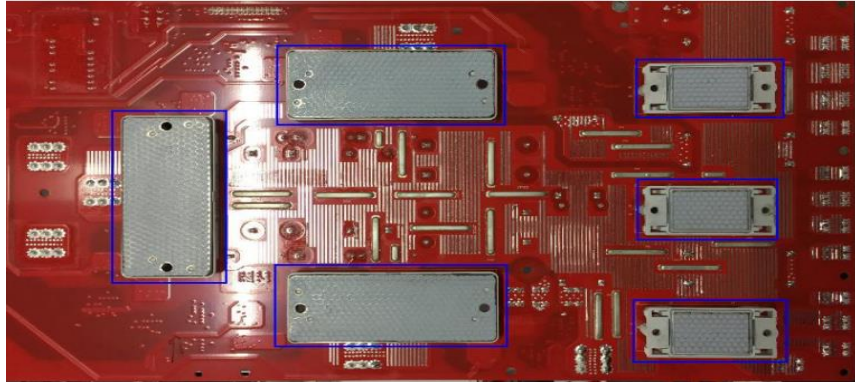
Notice: the face of the Radiator make be neat

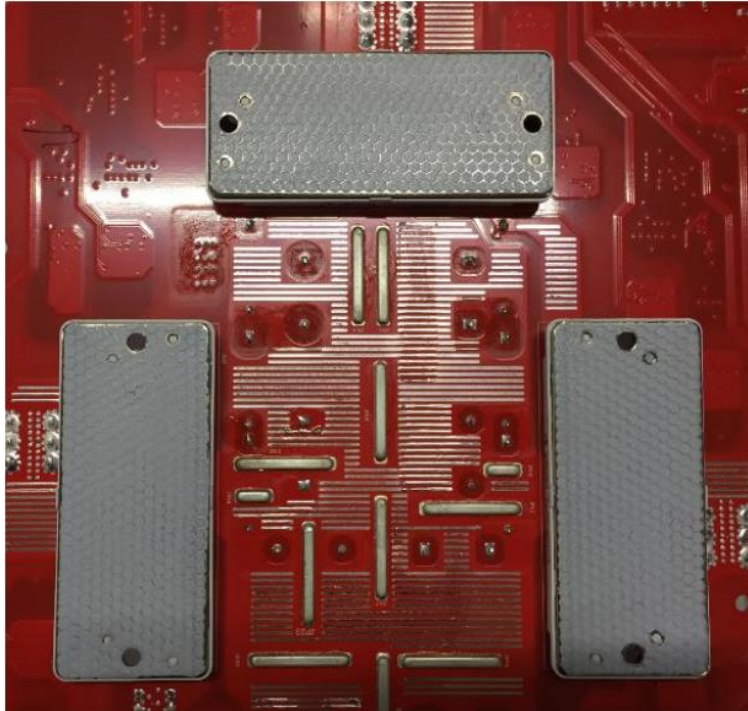
Make sure the face smooth.



Step 2: cover the silicone on the IGBT

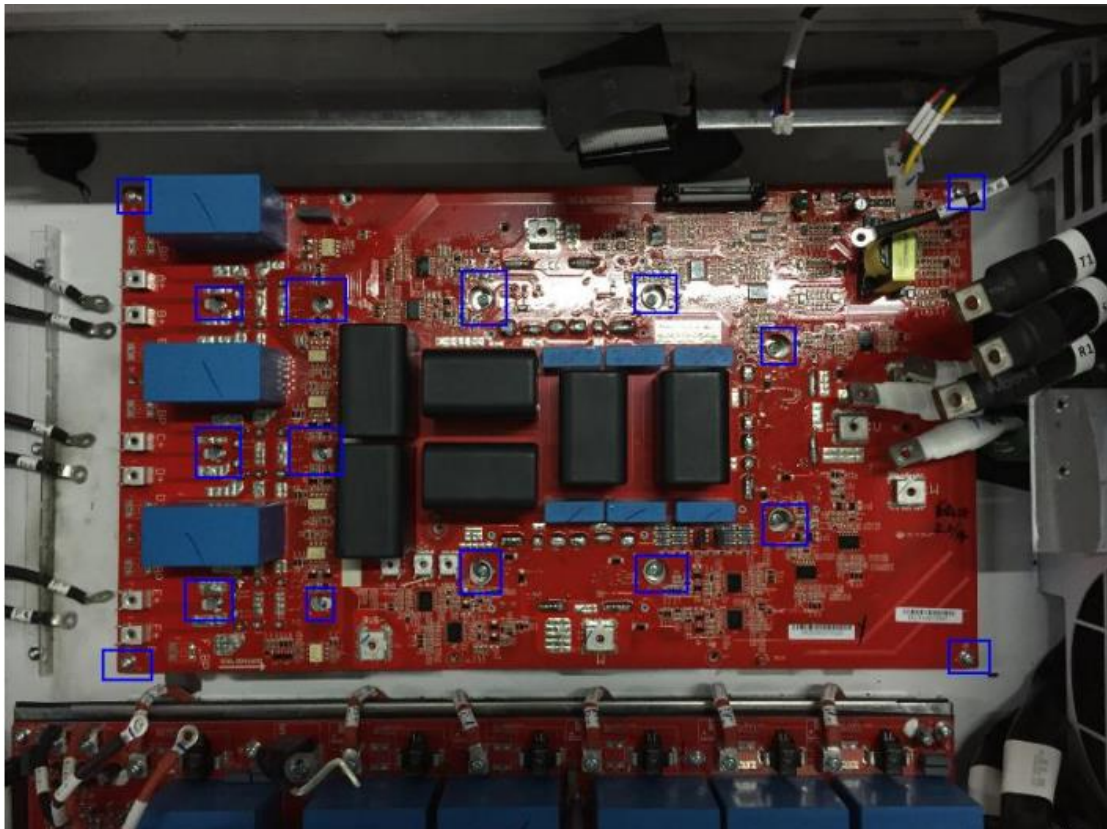
Make sure the silicone be covered on balance



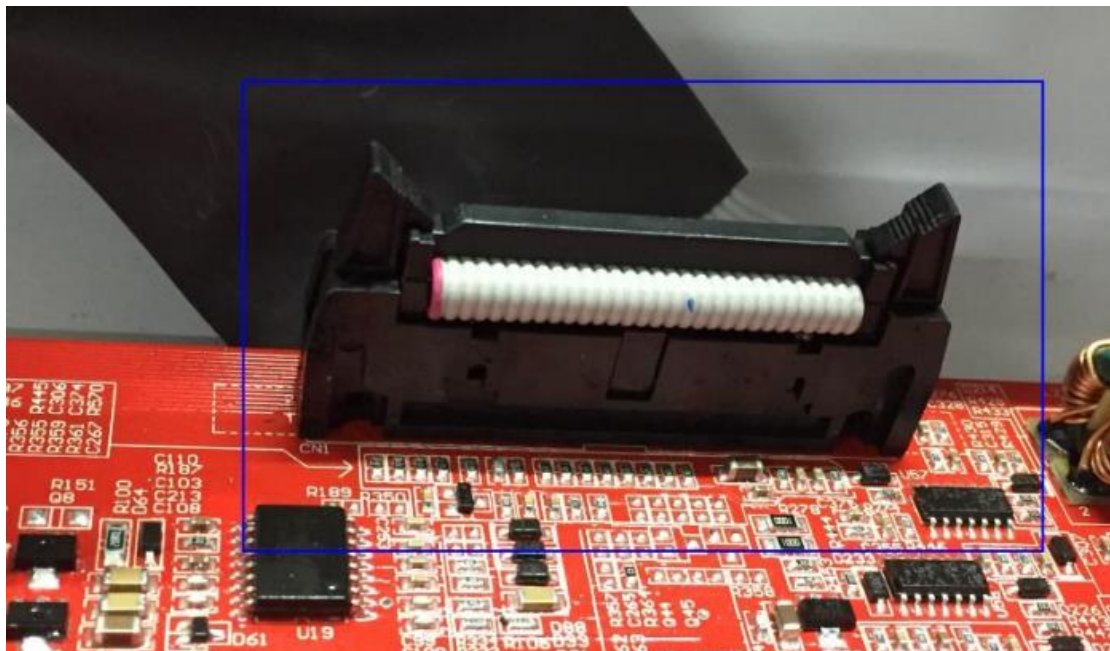
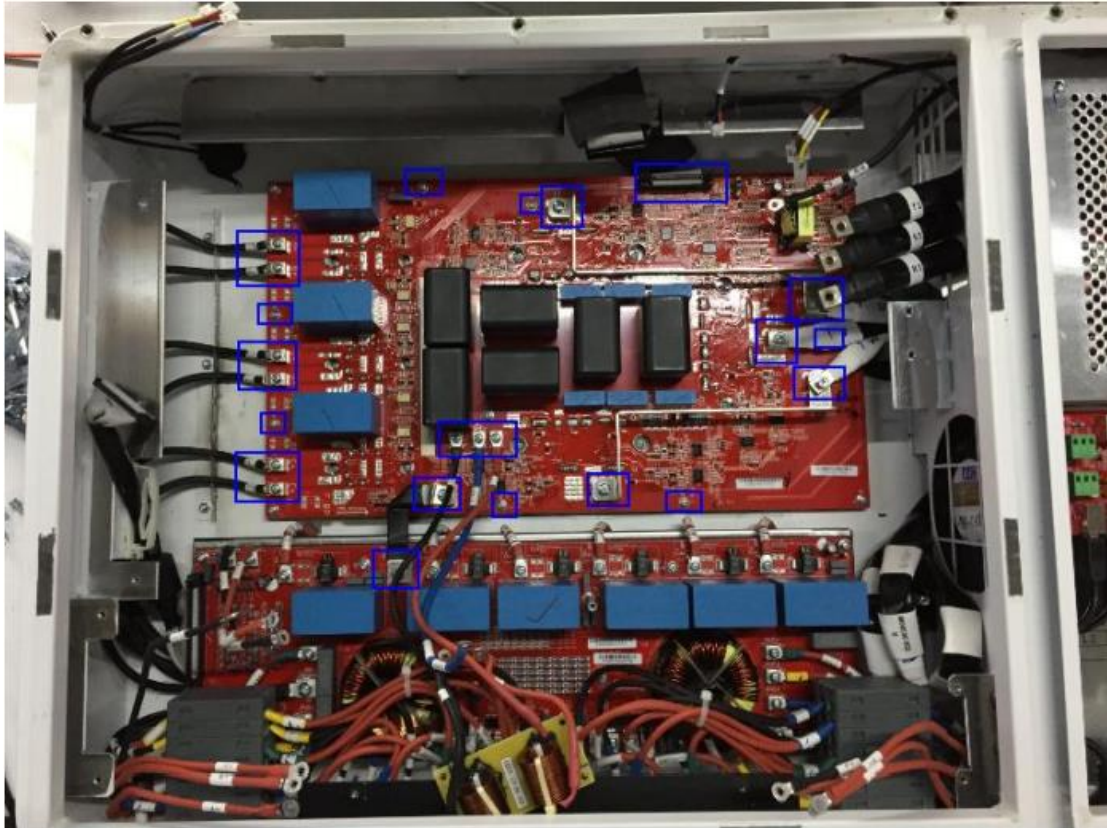


Step3: POWER board installation and checking

①fasten the around 4Pcs Screw; ②fasten the BOOST IGBT, then fasten the main IGBT;

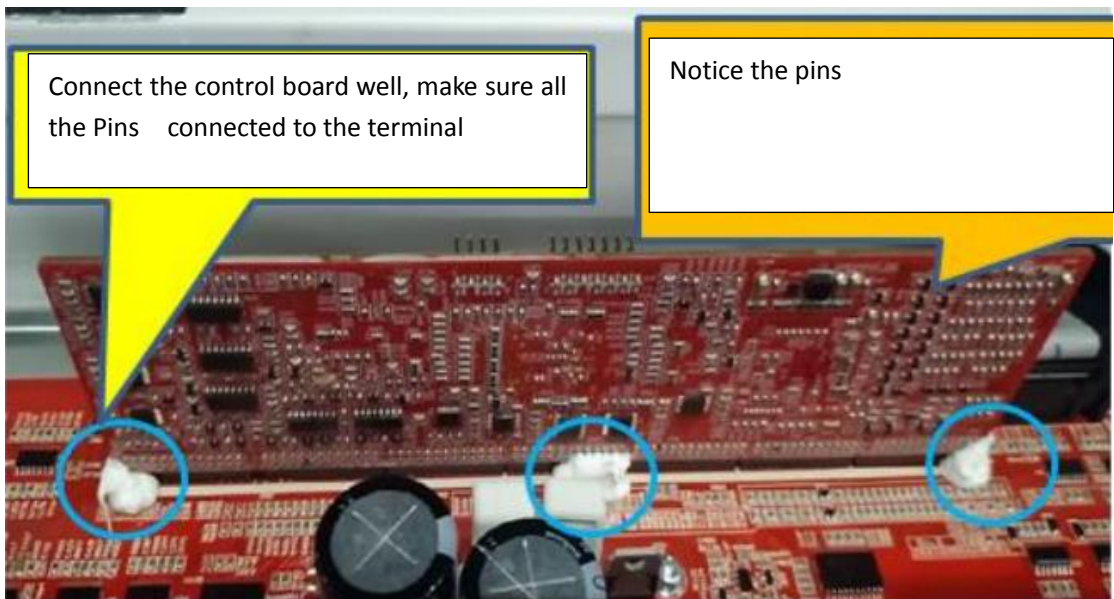
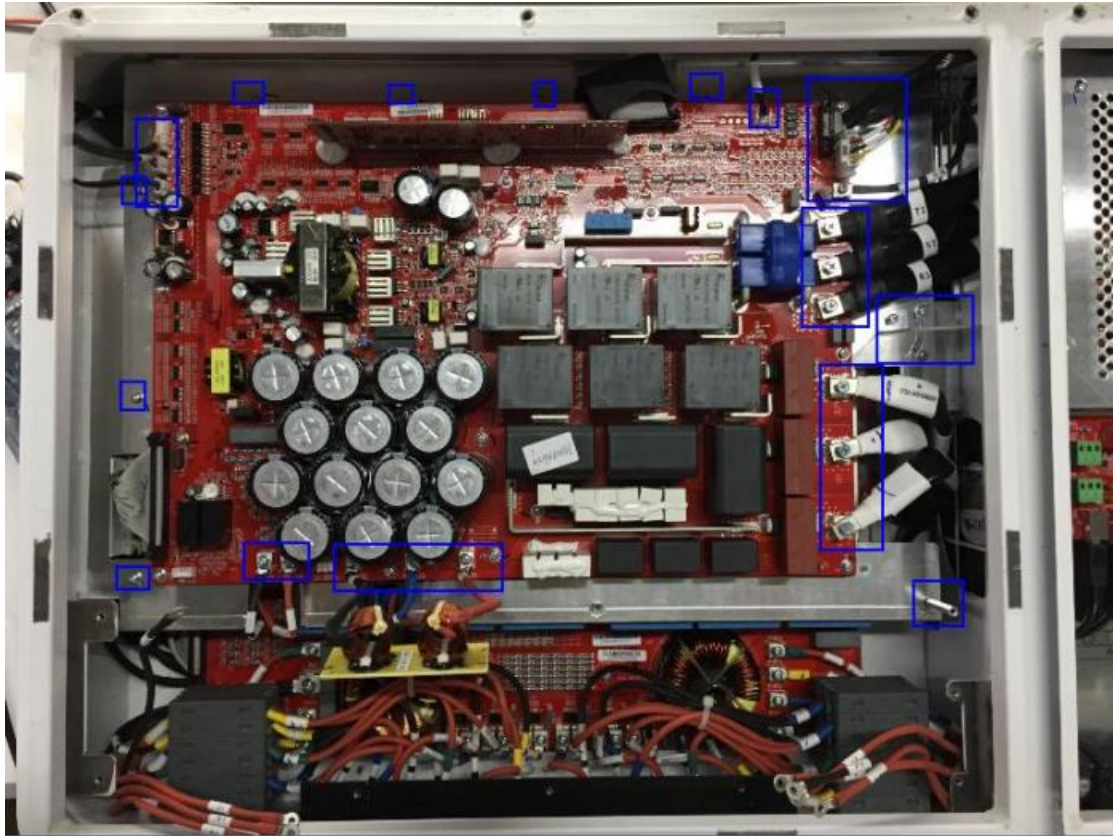


① match the cable to the PCB board ② connect the 30pin cables to the inductor;
Make sure every cable connected well



Step4: IO board installation and checking

① connect all the cable to the boards base on the mark; ② Connect the Pins cable, make sure all cables well; ③ after install the control board, require to fassen the control board; ① make sure all cables connected well; ② make sure all screws fassen;

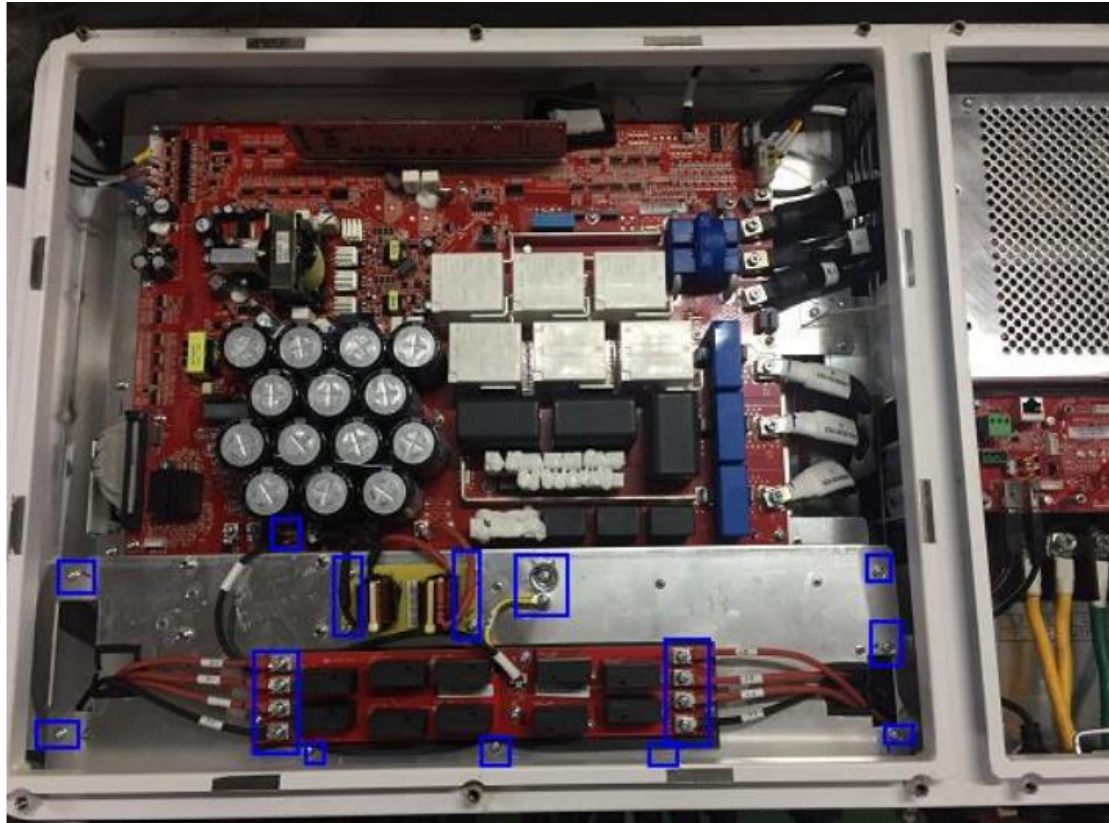


Connect the control board well, make sure all the Pins connected to the terminal

Notice the pins

Step5: PV SPD installation

① lock the screws according to the mark ② PV SPD need to connected fasten;



On-Grid test

PV connection

1. make sure all the PV strings connected well, turn on the SW of PV,
2. check the PV voltage, BUS voltage, Model name, Serial number. Through USB to WiFi tools or RS485 ShineBus software
3. if the PV voltage and the bus voltage abnormal, turn off the PV.

AC connection

1. after PV connected, if the inverter without any other issue, turn on AC.
2. Checking the monitor information, such as AC voltage , AC F ,AC current, PV voltage PV current and so on.
3. Observer the MAX running, make sure the MAX could running more than hours.