

Monitor Service Manual

Model: MB166CV

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1. Safety Precautions

Safety information

- Before setting up the monitor, carefully read all the documentation that came with the package.
- To prevent fire or shock hazard, never expose the monitor to rain or moisture.
- Never try to open the monitor cabinet. The dangerous high voltages inside the monitor may result in serious physical injury.
- If the power supply is broken, do not try to fix it by yourself. Contact a qualified service technician or your retailer.
- Before using the product, make sure all cables are correctly connected and the power cables are not damaged. If you detect any damage, contact your dealer immediately.
- Slots and openings on the back or top of the cabinet are provided for ventilation. Do not block these slots. Never place this product near or over a radiator or heat source unless proper ventilation is provided.
- The monitor should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
- Use the appropriate power plug which complies with your local power standard.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- Avoid dust, humidity, and temperature extremes. Do not place the monitor in any area where it may become wet.
- Place the monitor on a stable surface.
- Unplug the unit during a lightning storm or if it will not be used for a long period of time. This will protect the monitor from damage due to power surges.
- Never push objects or spill liquid of any kind into the slots on the monitor cabinet.
- To ensure satisfactory operation, use the monitor only with UL listed computers which have appropriate configured receptacles marked between 100-240V AC.
- If you encounter technical problems with the monitor, contact a qualified service technician or your retailer.

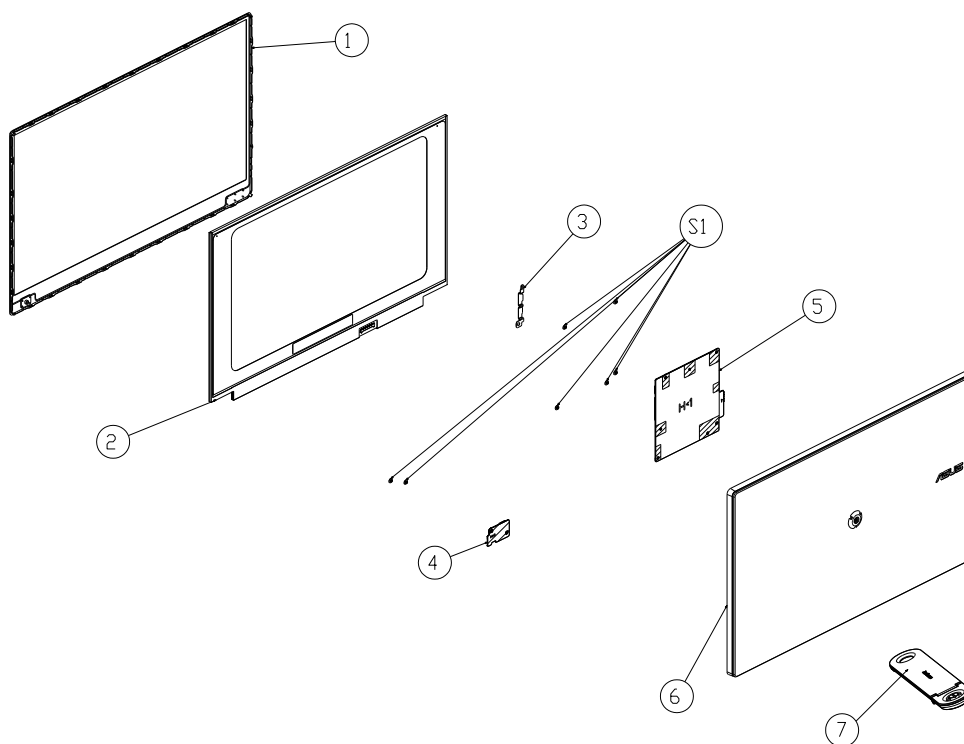
Care & Cleaning

- Before you lift or reposition your monitor, it is better to disconnect the cables and power cord. Follow the correct lifting techniques when positioning the monitor. When lifting or carrying the monitor, grasp the edges of the monitor. Do not lift the display by the stand or the cord.
- Cleaning. Turn your monitor off and unplug the power cord. Clean the monitor surface with a lint-free, non-abrasive cloth. Stubborn stains may be removed with a cloth dampened with mild cleaner.
- Avoid using a cleaner containing alcohol or acetone. Use a cleaner intended for use with the LCD. Never spray cleaner directly on the screen, as it may drip inside the monitor and cause an electric shock.

The following symptoms are normal with the monitor

- The screen may flicker during the initial use due to the nature of the fluorescent light. Turn off the Power Switch and turn it on again to make sure that the flicker disappears.
- You may find slightly uneven brightness on the screen depending on the desktop pattern you use.
- When the same image is display for hours, an afterimage of the previous screen may remain after switching the image. The screen will recover slowly or you can turn off the Power Switch for hours.
- When the screen becomes black or flashes, or cannot work anymore, contact your dealer or service center to fix it.

2. Exploded View



No.	Description
1	BEZEL
2	PANEL
3	BKT_IO
4	KEY BOARD
5	Main BOARD
6	REAR_COVER
7	stand ass'y
S1	SCREW M2 3

3. Disassembly and Assembly Procedures

3.1 Precaution

Please read the precautions as follows to prevent any damages to the LCD Monitor.
Make sure all power connection is removed. Be sure that the LCD Monitor is in power off status.

Prepare soft cloth and sponge as working platform to place LCD monitor horizontally.	
Hold LCD by the side carefully and DON'T touch or press panel directly.	

3.2. Appropriate tools

Select the appropriate tools for disassembly and re-assembly.

Screwdriver	
HEX header screwdriver	
Disassembly tool	

3.3. Disassembly Procedure

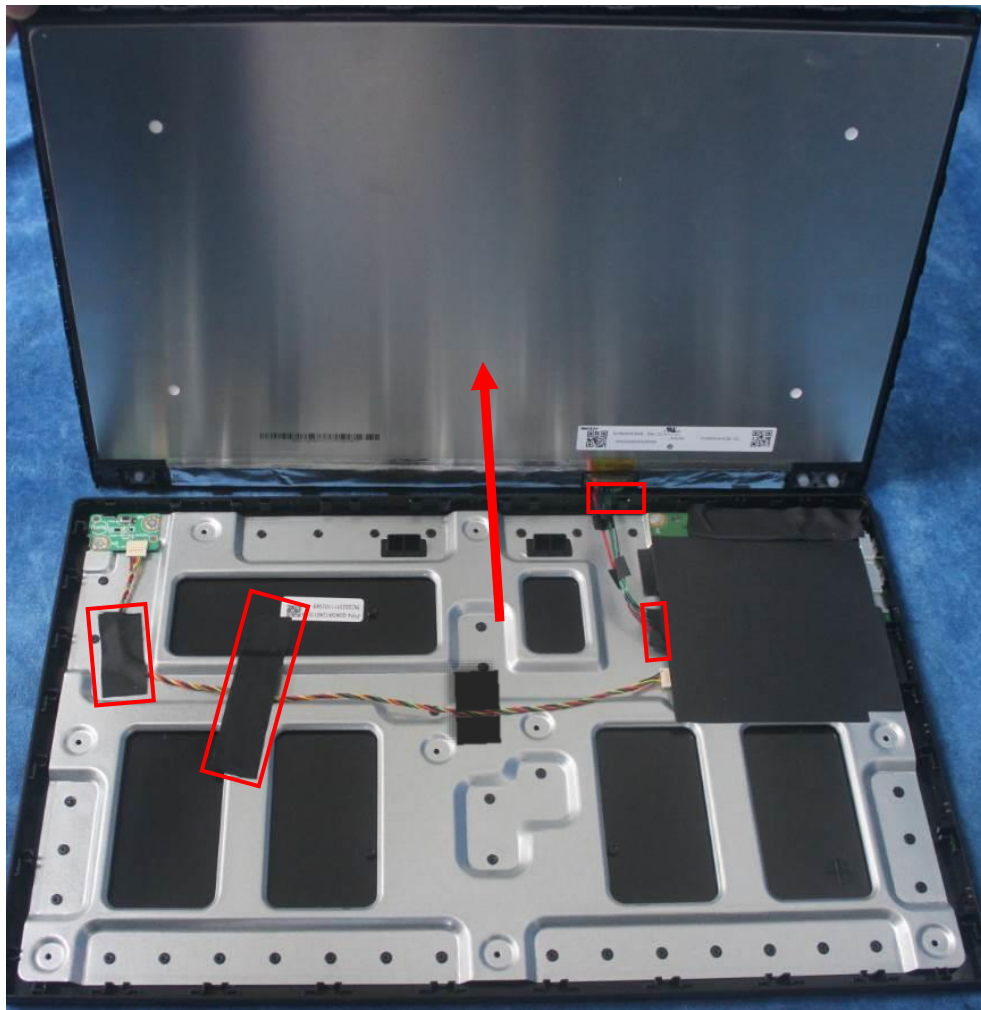
3.3.1 Main Subsystem

Rear Cover

1. Gently use finger to pull up the bezel to assemble it.

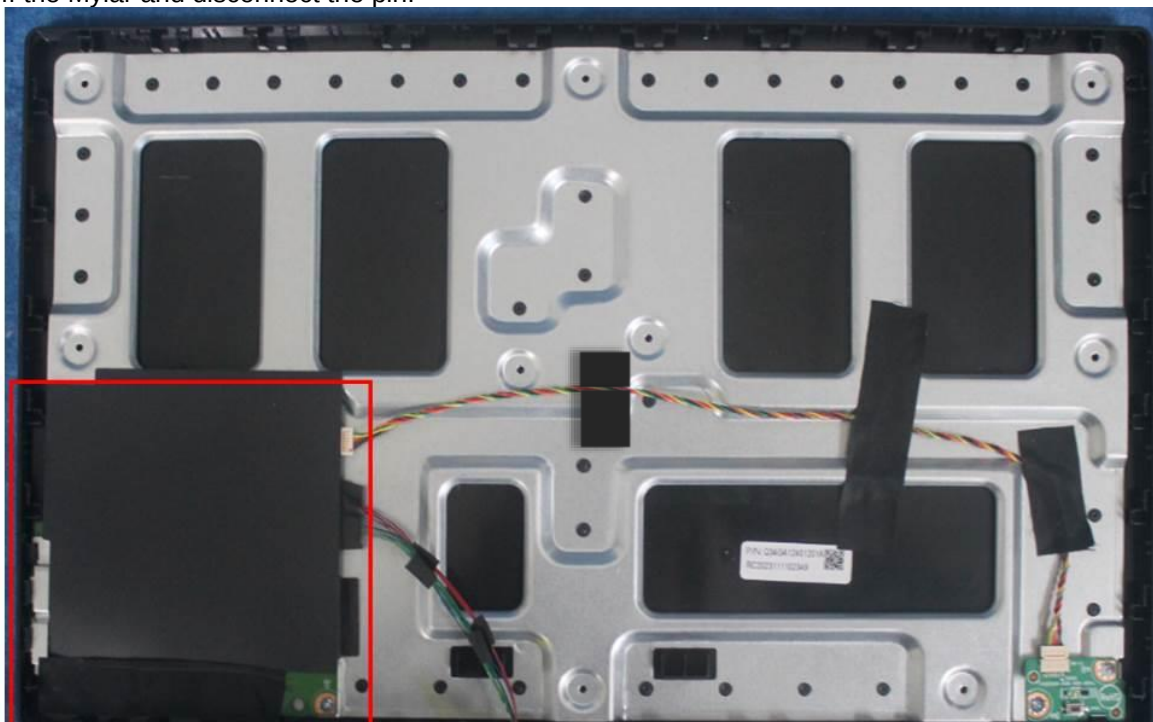


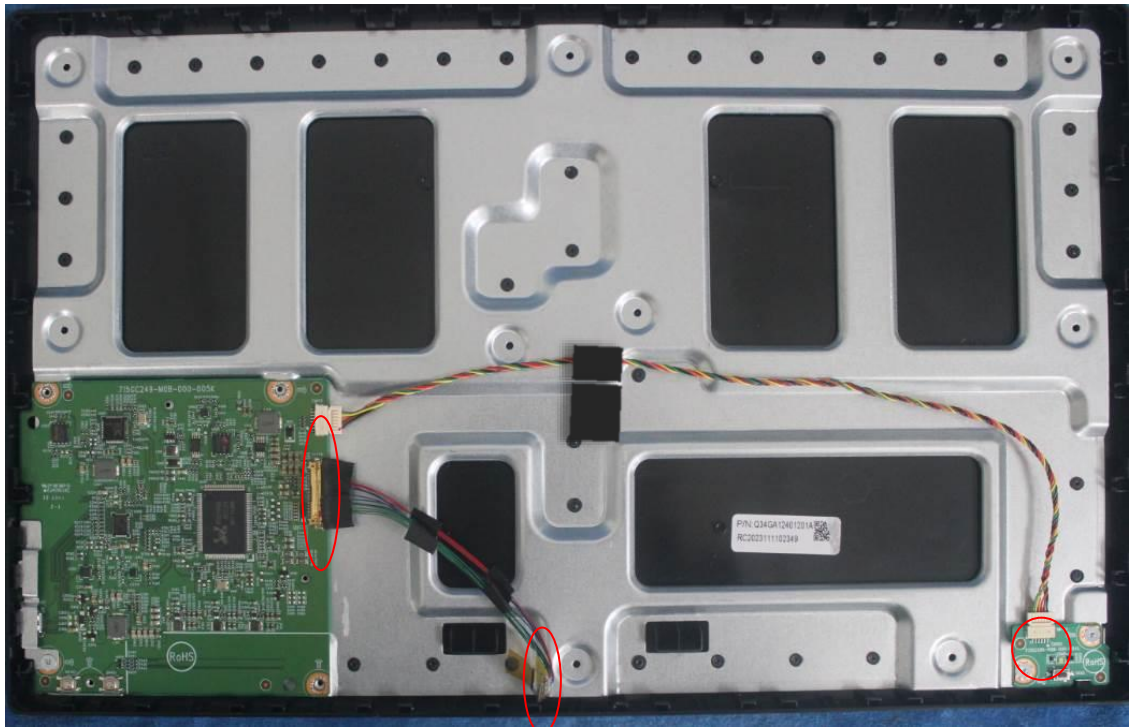
2. Lift up and disconnect the connector to remove the Rear Cover.



Main Board

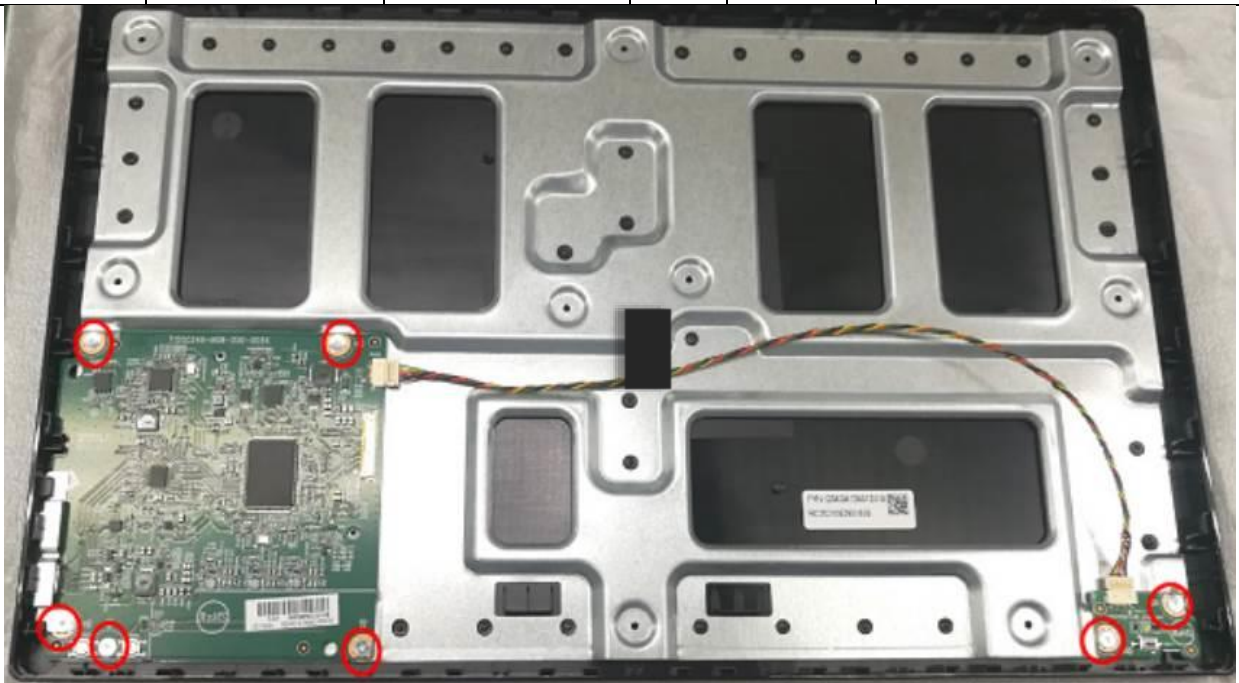
1. Take off the Mylar and disconnect the pin.

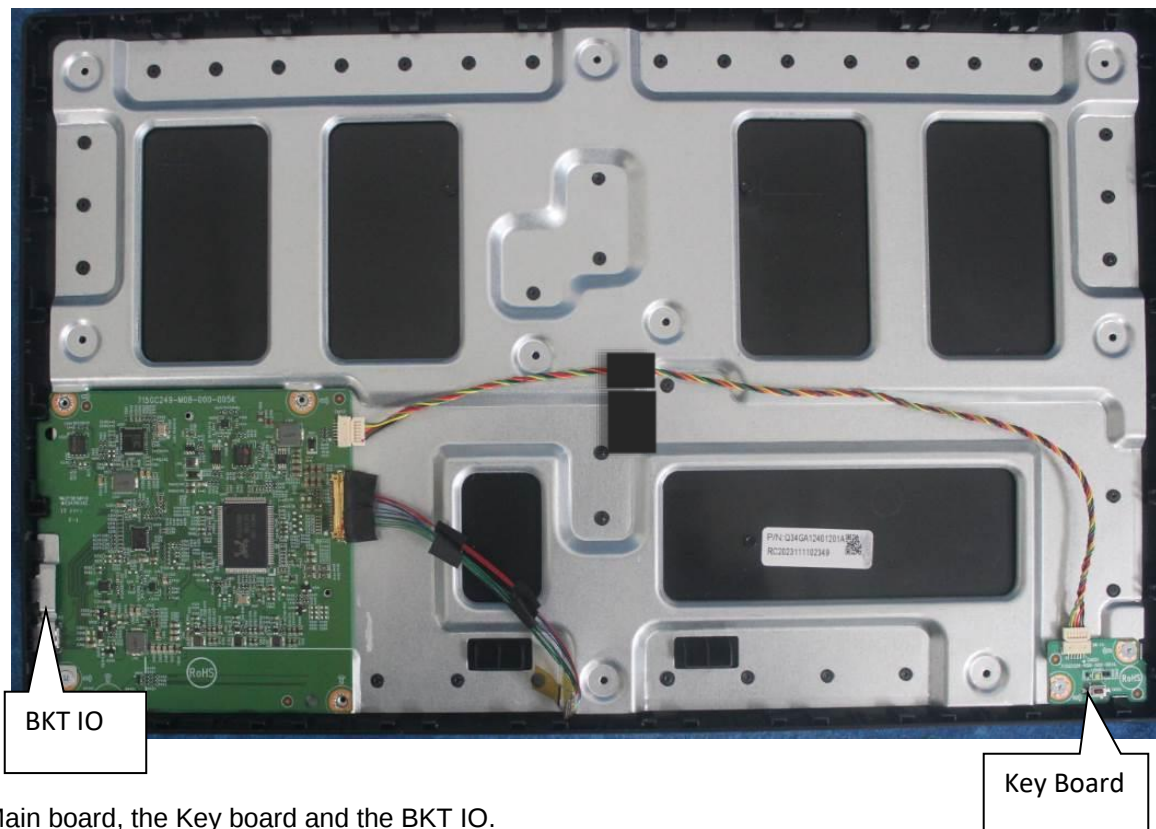




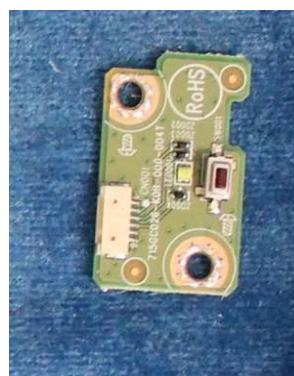
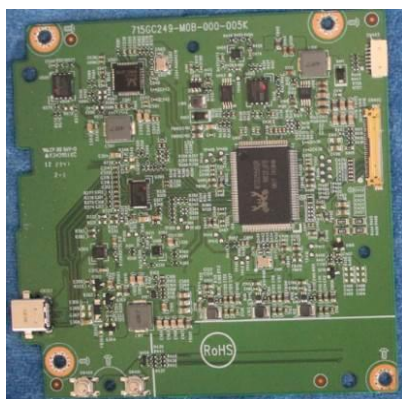
2. Unscrew the screws marked in red to remove the KEY BOARD and the BKT_IO.

Description	CMD/P/N	ASUS PN	Q'ty	Screw Torque	Picture &Spec
Screw(BEZEL_B TM/BASE_TOP)	QM1G166Z0301 060AWL		7	1.2±0.4kg f.cm	





3. The Main board, the Key board and the BKT IO.



4.3.2 Panel

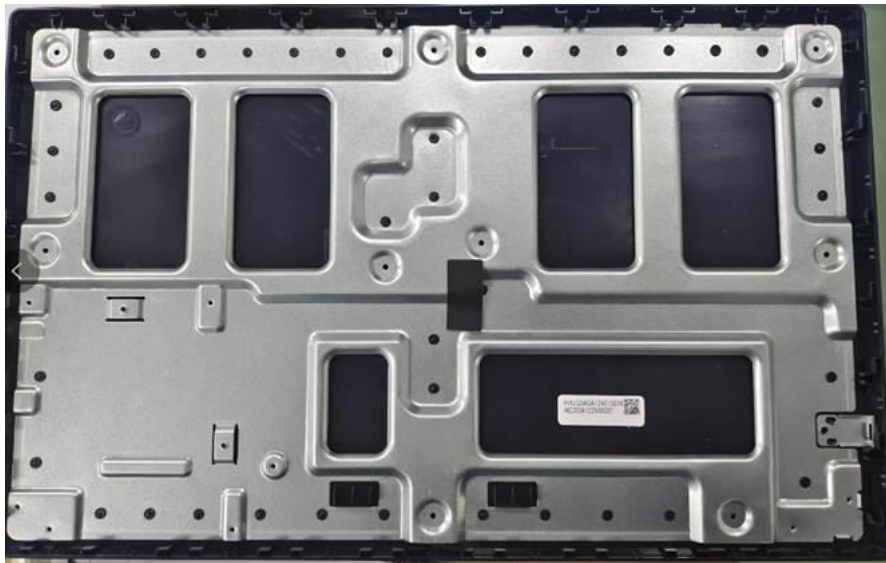
1. The Panel.



2. The Bezel



3. The rear cover

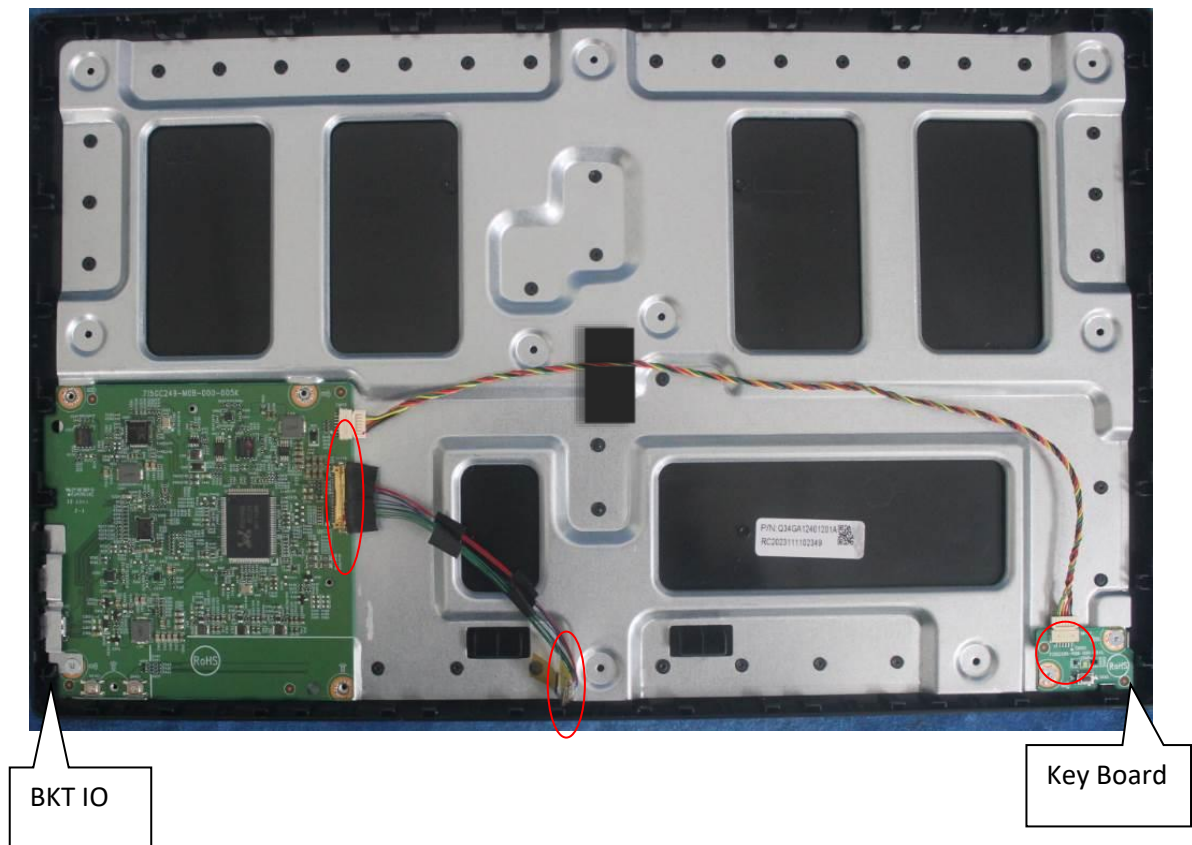


3.4 Assembly Procedure

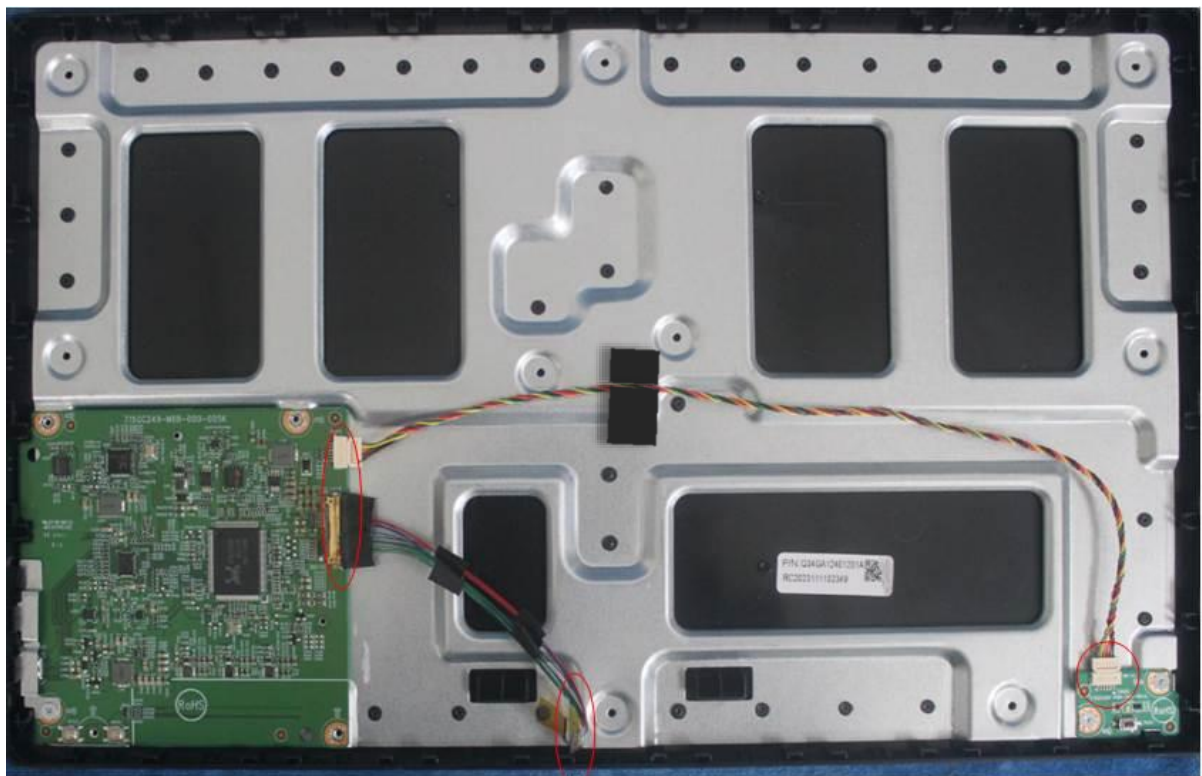
3.4.1 Rear Cover Subsystem

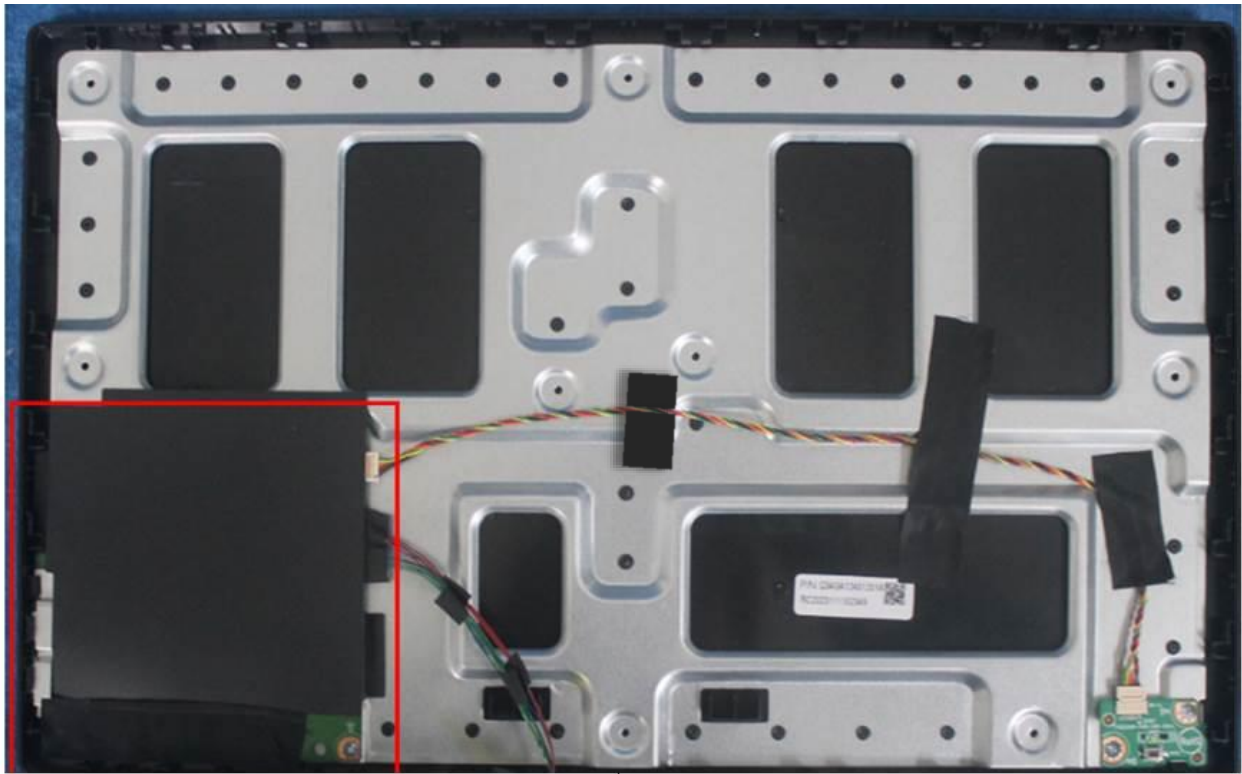
1. Prepared the panel/bezel/rear cover.



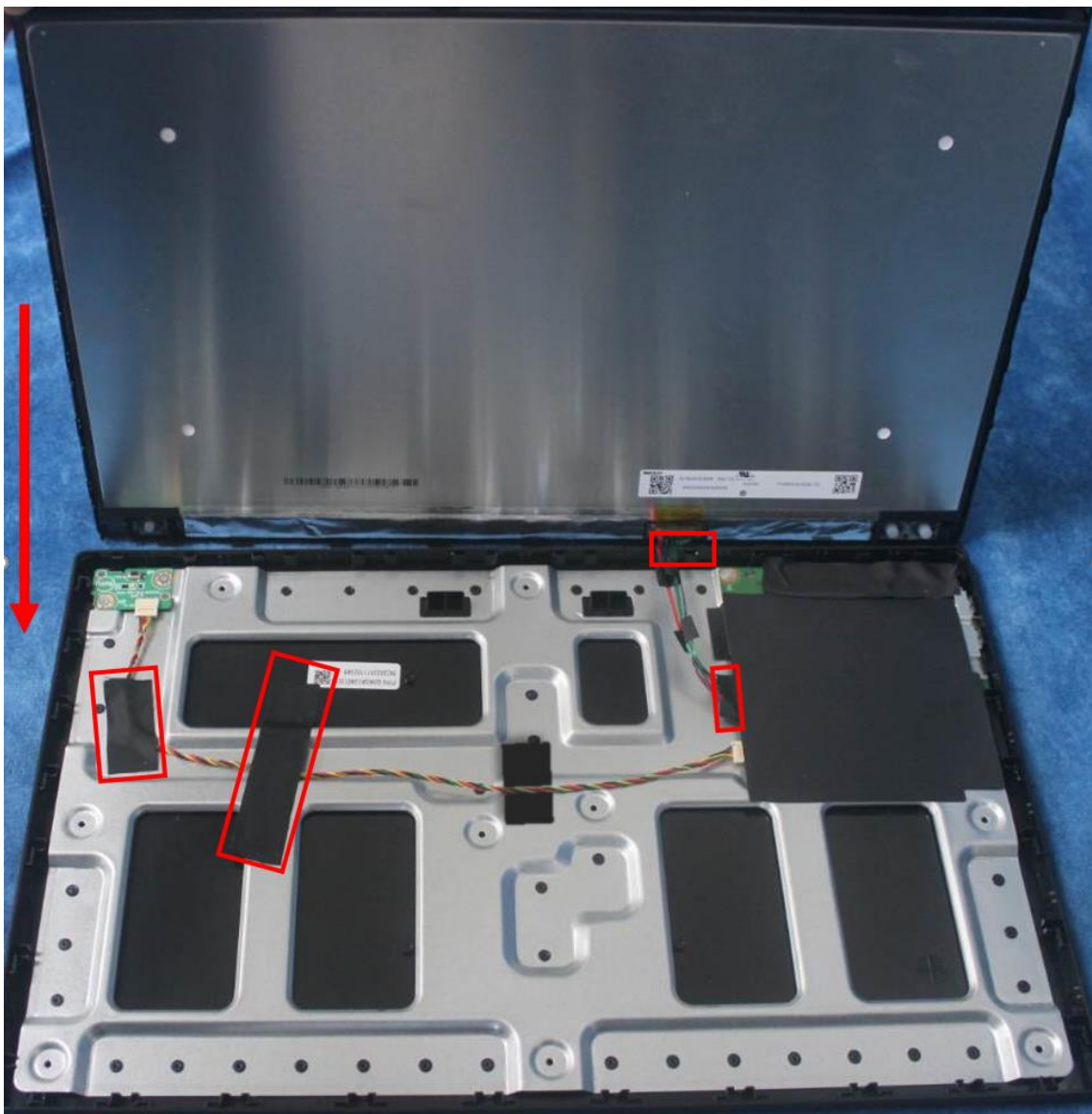


4. Connect the pins and put on the Mylar.





5. Assemble the panel and the rear cover.





4. Trouble Shooting

Problem	Possible Solution
Power LED is not ON	• Press the  button to check if the monitor is in the ON mode. • Check if the power cord is properly connected to the monitor and the power outlet. • Check Power Indicator function in main menu OSD. Select "ON" to turn on power LED.
The power LED lights amber and there is no screen image	• Check if the monitor and the computer are in the ON mode. • Make sure the signal cable is properly connected the monitor and the computer. • Inspect the signal cable and make sure none of the pins are bent. • Connect the computer with another available monitor to check if the computer is properly working.
Screen image is too light or dark	• Adjust the Contrast and Brightness settings via OSD.
Screen image bounces or a wave pattern is present in the image	• Make sure the signal cable is properly connected to the monitor and the computer. • Move electrical devices that may cause electrical interference.
Screen image has color defects (white does not look white)	• Inspect the signal cable and make sure that none of the pins are bent. • Perform Reset via OSD. • Adjust the R/G/B color settings or select the Color Temperature via OSD.
No sound or sound is low	• Adjust the volume settings of both your monitor and computer. • Make sure the computer sound card driver is properly installed and activated.