

Checking the continuity of the loose wire connection of audio jack.

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Owner:

Morphedo Technologies Pvt Ltd.

Project:

Motorola Deep Connect

Objective:

Checking the loose connection between audio jacks and PCB.

Procedure:

- Unplug both the 3.5mm jacks which were connected to the sound card.
- Check the continuity of the 3.5mm jack's sleeve with the multimeter individually while connecting one end of the multimeter to the sleeve and other end to the corresponding terminal end.
- Resolder the wires if continuity is not there between any two points.
- Repeat this process for the other sleeve and tips of the 3.5mm jacks.
- After verifying the continuity of both the wires, connect them back to the sound card.
- After verifying the continuity of all four wires, if the continuity is consistent, it means there is no loose connection between the sound card and the PCB.

Objective 2:

Check the connection of adapter and USB cable.

Procedure:

- We are using three power adapters for three different devices i.e., smart phone, walkie-talkie and PCB.
- Check the connection of all three power adapters, If the connection is loose, tighten the terminal connection and screw.
- Plug the USB cable into the power adapter. Ensure the connection is tight and secure.
- Insert the other end of the USB cable into the phone.
- Once the USB cable is connected to both the adapter and the phone, check if the phone starts charging.
- If the phone starts charging, it means the connections are secure and everything is functioning correctly.

