



Troubleshooting Guide

- mechanical -



***MK16i, MK16a,
Xperia™ Pro***



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1 Problem Areas

1.1 Power

1.1.1 Will not power on or will switch off randomly

Check:

Check whether the phone vibrates and the Keyboard illuminates after the Key On/Off is depressed.

Action:

If activation of the Vibrator is detected, refer to section 1.4 'Display'.



Check:

Inspect the contact pads on the Battery.

Action:

1. If dirty or oxidized – clean the pads.
2. If damaged – replace the Battery.



Check:

Inspect the Battery Contact pins.

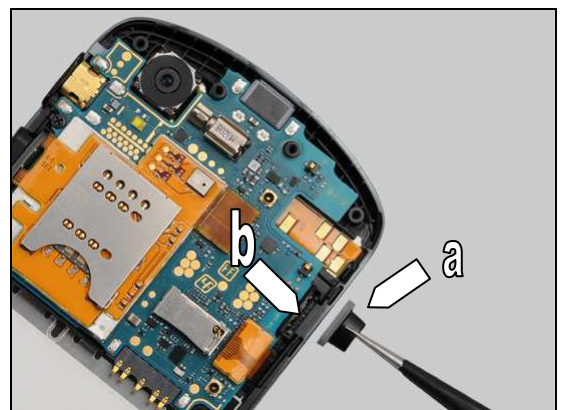
Action:

1. If dirty or oxidized – clean the contact pins.
2. If adhesive is detected on the contact pins, use an eraser to gently rub off the adhesive.
3. Send to higher level of repair.



Check:

Inspect the Key On/Off, refer to section 1.2.4 'On/Off Key'.





Problem Areas

1.2 Keys

1.2.1 Menu, Home and Back Keys

Check:

Inspect the Key Upper in the Front Cover Assy.

Action:

1. If the Key Upper is clogged – clean it.

2. If Key Upper are damaged – replace the Key Upper.



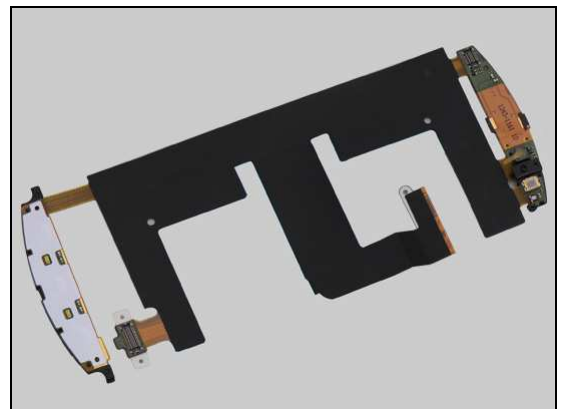
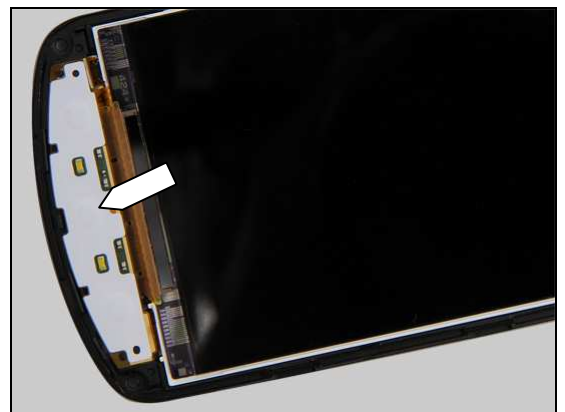
Check:

Inspect the key switch on the Slider Flex FPC Assy.

Action:

1. If dome sheet is dirty – clean it.

2. If the dome sheet is damaged – replace the Slider Flex FPC Assy.



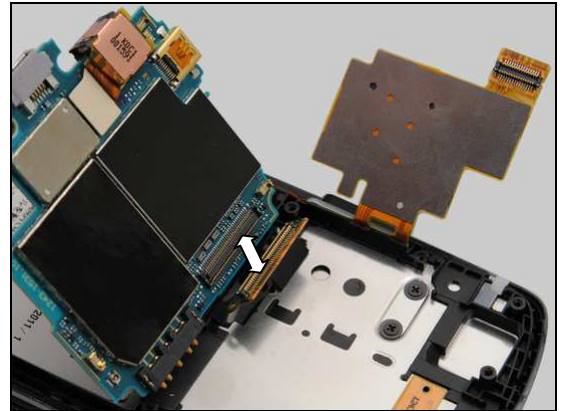
Problem Areas: Keys

Check:

Inspect the BtB connector of the Slider Flex FPC Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.

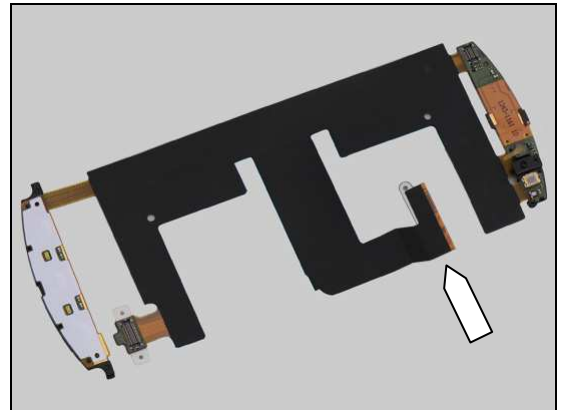


Check:

Inspect the Slider Flex FPC Assy.

Action:

1. If the Slider Flex FPC Assy or its BtB connector is damaged – replace the Slider Flex FPC Assy.
2. Send to higher level of repair.



1.2.2 Camera Key

Check:

Inspect the Key Camera on the Cover Lower Front.



Action:

If the Key Camera is damaged – replace the Key Camera.





Problem Areas: Keys

Check:

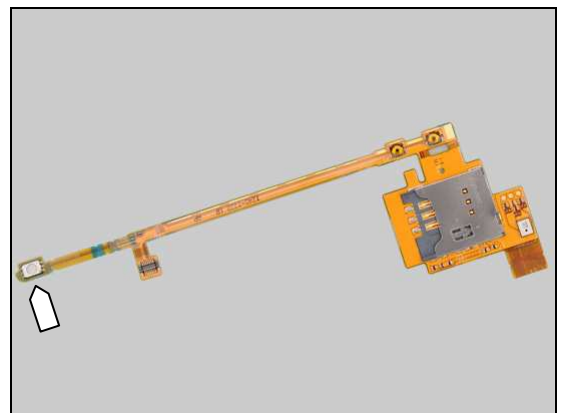
Inspect the key switch on the SIM Flex PBA Assy.

Action:

1. If dirty or oxidized – clean it.



2. If the SIM Flex PBA Assy or its key switch is damaged – replace the SIM Flex PBA Assy.

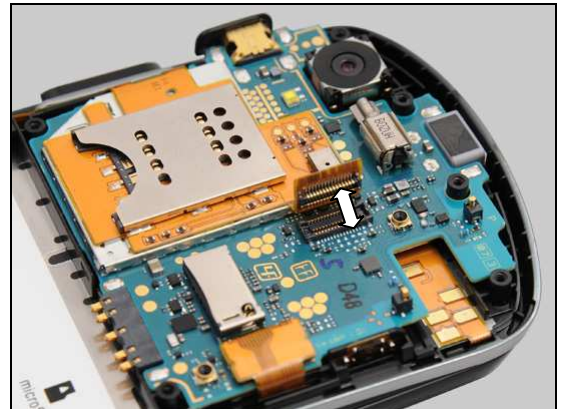


Check:

Check the BtB connector of the SIM Flex PBA Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.

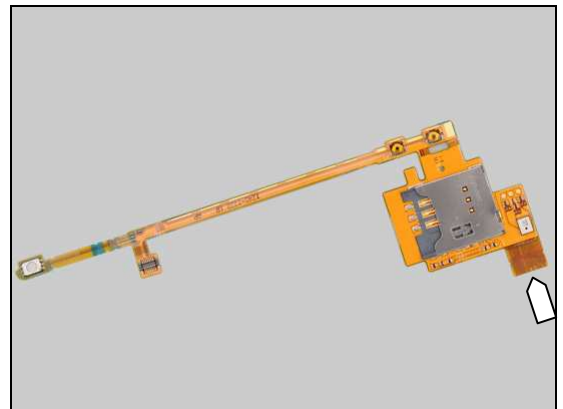


Check:

Inspect the SIM Flex PBA Assy.

Action:

1. If the SIM Flex PBA Assy or its BtB connector is damaged – replace the SIM Flex PBA Assy.
2. Send to higher level of repair.





Problem Areas: Keys

1.2.3 Volume Key

Check:

Inspect the Key Volume on Cover Lower Rear.



Action:

1. If the key Volume is damaged – replace the Key Volume.

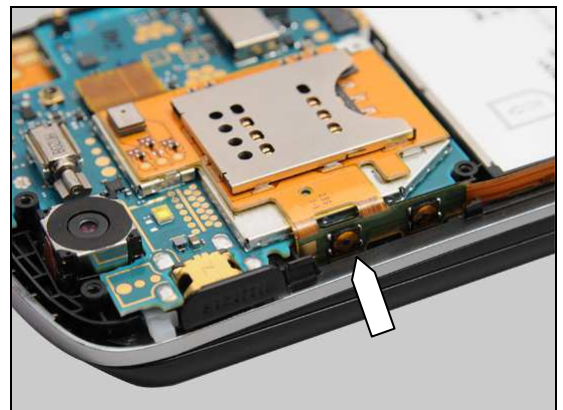


Check:

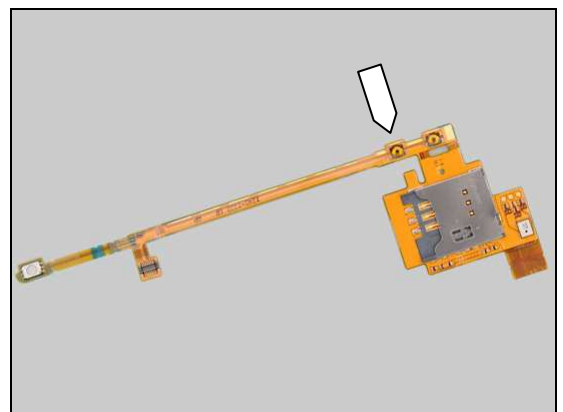
Inspect the key switch on the SIM Flex PBA Assy.

Action:

1. If dirty or oxidized – clean it.



2. If the SIM Flex PBA Assy or its key switch is damaged – replace the SIM Flex PBA Assy.





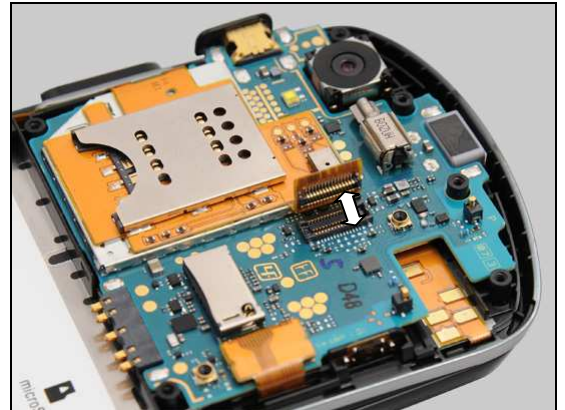
Problem Areas: Keys

Check:

Check the BtB connector of the SIM Flex PBA Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.

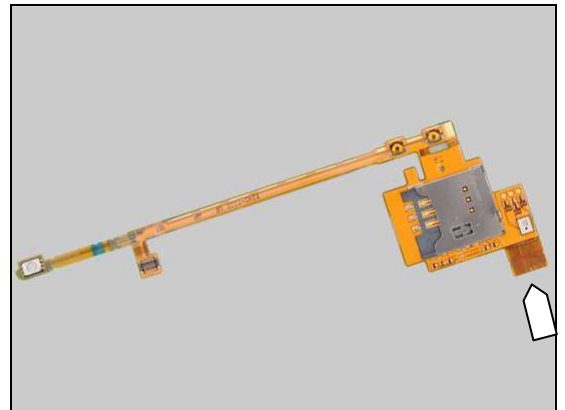


Check:

Inspect the SIM Flex PBA Assy.

Action:

1. If the SIM Flex PBA Assy or its BtB connector is damaged – replace the SIM Flex PBA Assy.
2. Send to higher level of repair.



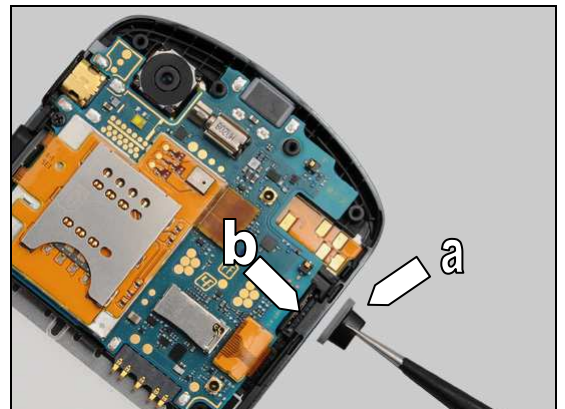
1.2.4 On/Off Key

Check:

Inspect the Key On/Off (a) and the input switch (b) on the Qwerty Key Flex PBA.

Action:

1. If (a) or (b) is dirty or clogged – clean them.



2. If (a) is damaged – replace the Key On/Off.





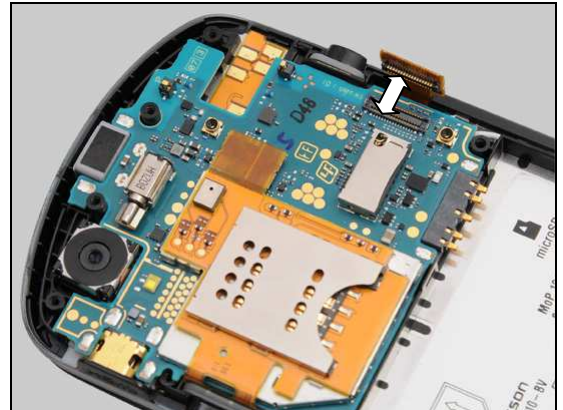
Problem Areas: Keys

Check:

Check the BtB connector of the Qwerty Key Flex PBA to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.

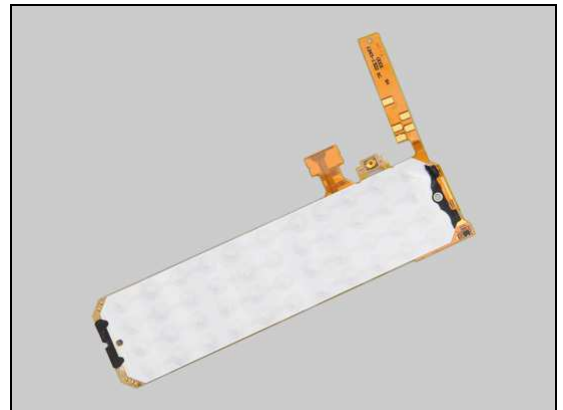


Check:

Inspect the Qwerty Key Flex PBA.

Action:

1. If the Qwerty Key Flex PBA or its BtB connector is damaged – replace the Qwerty Key Flex PBA.
2. Send to higher level of repair.



1.2.5 Keyboard

Check:

Inspect the Keyboard on the Cover Panel Lower Front.

Action:

1. If Keyboard is dirty or clogged – clean them.



2. If Keyboard is damaged – replace the Keyboard.





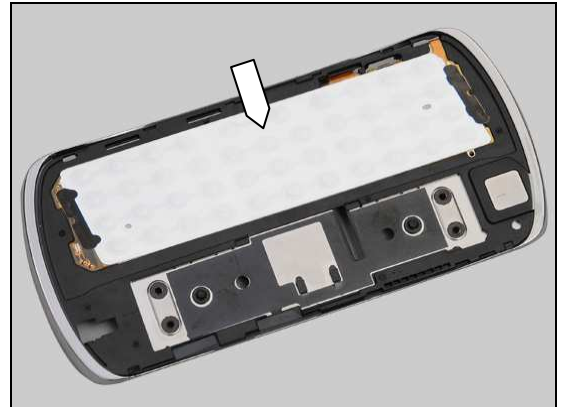
Problem Areas: Keys

Check:

Inspect the key switch on the Qwerty Key Flex PBA.

Action:

If dirty – clean it.

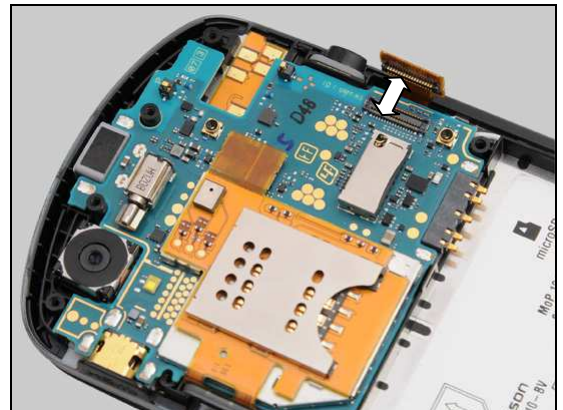


Check:

Check the BtB connector of the Qwerty Key Flex PBA to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.

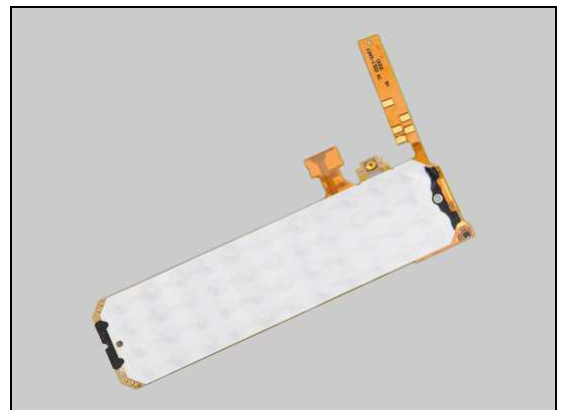


Check:

Inspect the Qwerty Key Flex PBA.

Action:

1. If the Qwerty Key Flex PBA or its BtB connector is damaged – replace the Qwerty Key Flex PBA.
2. Send to higher level of repair.



Problem Areas

1.3 Touch Screen

1.3.1 Touch Screen malfunction

Check:

Inspect the touch screen of the Front Cover Assy.

Action:

1. If dirty – clean it.



2. If the touch screen is damaged – replace the Front Cover Assy.



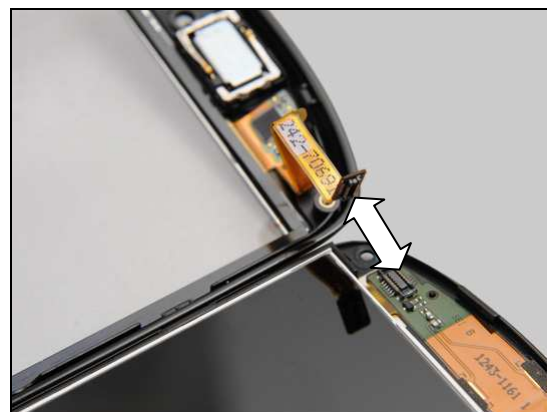
Check:

Inspect the BtB connector of the touch screen to the Slider Flex FPC Assy.

Action:

1. If not properly connected – disconnect and reconnect

2. If dirty or oxidized – clean both sides of the BtB connector.



3. If the touch screen FPC or its BtB connector is damaged – replace the Front cover Assy.





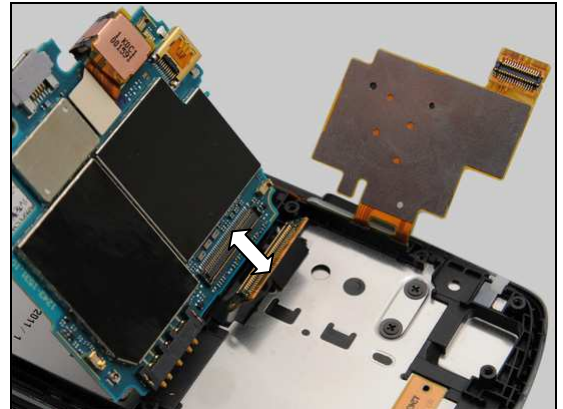
Problem Areas: Touch Screen

Check:

Inspect the BtB connector of the Slider Flex FPC Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.

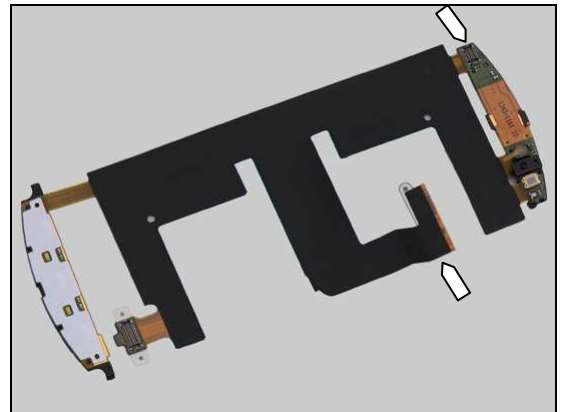


Check:

Inspect the Slider Flex FPC Assy.

Action:

1. If the Slider Flex FPC Assy or its BtB connector is damaged – replace the Slider Flex FPC Assy.
2. Send to higher level of repair.





Problem Areas

1.4 Display

1.4.1 Graphics & Illumination

Check:

Check whether the phone vibrates after the Key On/Off key has been pressed.

Action:

If the activation described above is not detected, refer to section 1.1 'Power'.



Check:

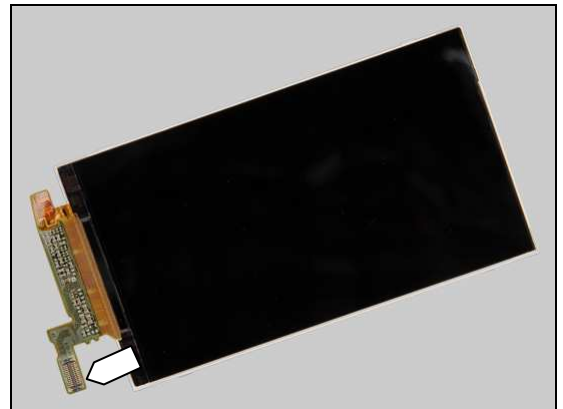
Inspect the BtB connector of the 3.7inch TFT LCD to the Slider Flex FPC Assy.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.



3. If the 3.7inch TFT LCD FPC or its BtB connector is damaged – replace the 3.7inch TFT LCD.

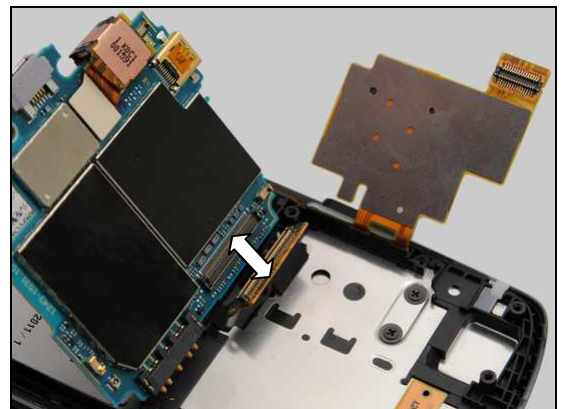


Check:

Inspect the BtB connector of the Slider Flex FPC Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.





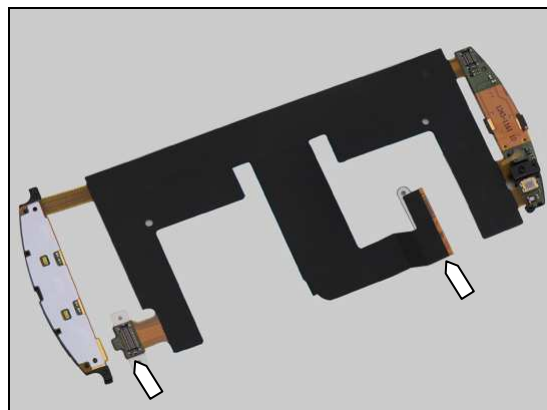
Problem Areas: Display

Check:

Inspect the Slider Flex FPC Assy.

Action:

1. If the Slider Flex FPC Assy or its BtB connector is damaged – replace the Slider Flex FPC Assy.
2. Send to higher level of repair.





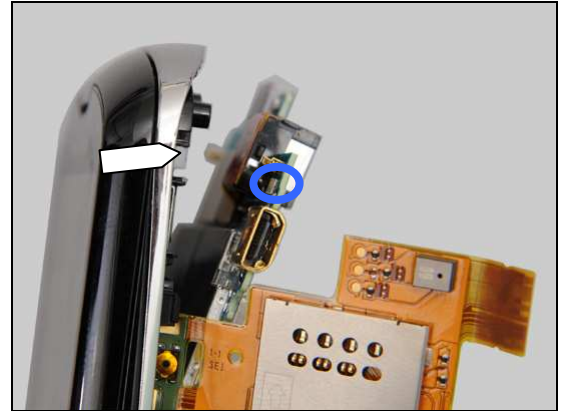
Problem Areas

1.5 LED/Illumination

1.5.1 LED/Illumination

Check:

Inspect the external port of LED red/green/blue on the Cover Lower Front.



Action:

1. If dirty – clean it.
2. If the external port is damaged – replace the Cover Lower Front.
3. Send to higher level of repair.



1.5.2 Menu, Home and Back Keys Illumination

Check:

Inspect the Illumination window on the Key Upper.



Action:

1. If dirty – clean it.
2. If damaged – replace the Key Upper.

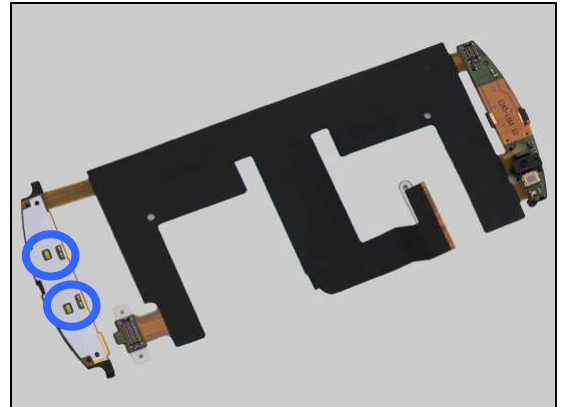




Problem Areas: Illumination

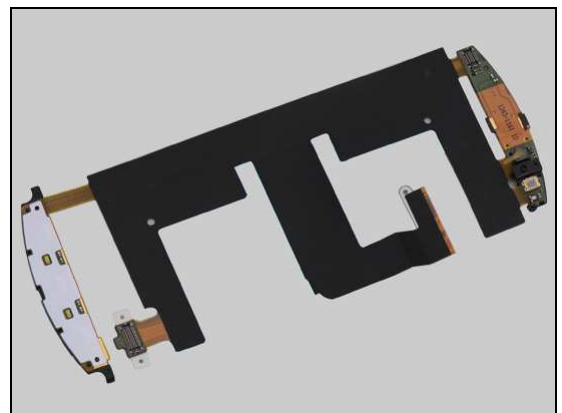
Check:

Inspect the LEDs on Slider Flex FPC Assy.



Action:

1. If dirty – clean them.
2. If the LEDs are damaged – replace the Slider Flex FPC Assy.

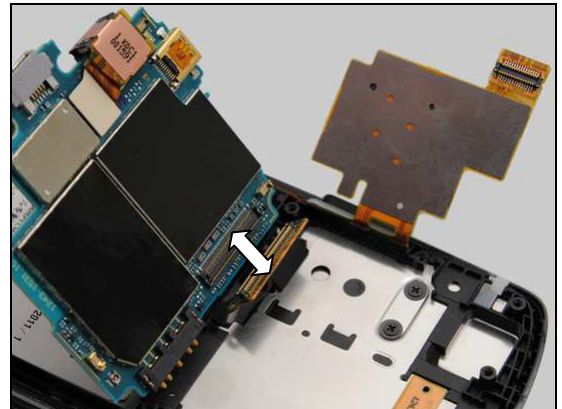


Check:

Inspect the BtB connector of the Slider Flex FPC Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.

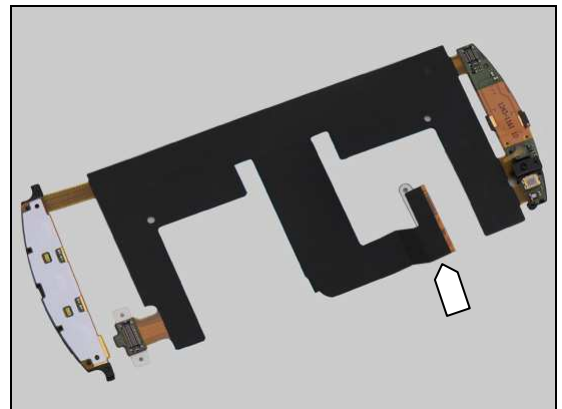


Check:

Inspect the Slider Flex FPC Assy.

Action:

1. If the Slider Flex FPC Assy or its BtB connector is damaged – replace the Slider Flex FPC Assy.
2. Send to higher level of repair.





Problem Areas: Illumination

1.5.3 Keyboard Illumination

Check:

Inspect the Illumination window on the Keyboard.



Action:

1. If dirty – clean it.
2. If damaged – replace the Keyboard.

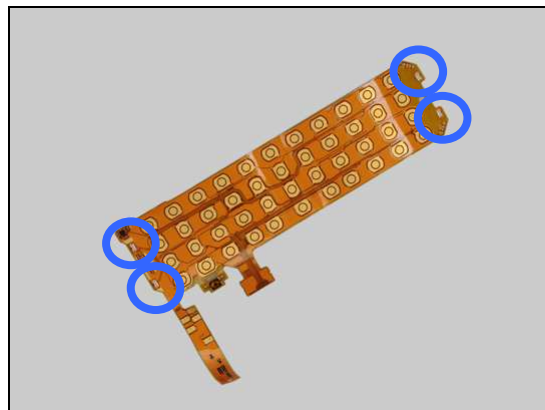


Check:

Inspect the LEDs on Qwerty Key Flex PBA.

Action:

If dirty – clean them.



Check:

Check the BtB connector of the Qwerty Key Flex PBA to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.



Problem Areas: Illumination

Check:

Inspect the Qwerty Key Flex PBA.

Action:

1. If the Qwerty Key Flex PBA or its BtB connector is damaged – replace the Qwerty Key Flex PBA.
2. Send to higher level of repair.





Problem Areas

1.6 Speaker

1.6.1 Loudspeaker

Check:

Inspect the Loudspeaker's external port on the Cover Battery.

Action:

If clogged – clean the speaker port or replace the Cover Battery.



Check:

Inspect the Loudspeaker's mesh on the Main Antenna.

Action:

1. If clogged – clean the speaker mesh.



2. If the mesh is damaged – replace the Main Antenna.



Check:

Inspect the Loudspeaker's pads on the Main Antenna and the pins on the Sub PBA.

Action:

1. If dirty – clean them.



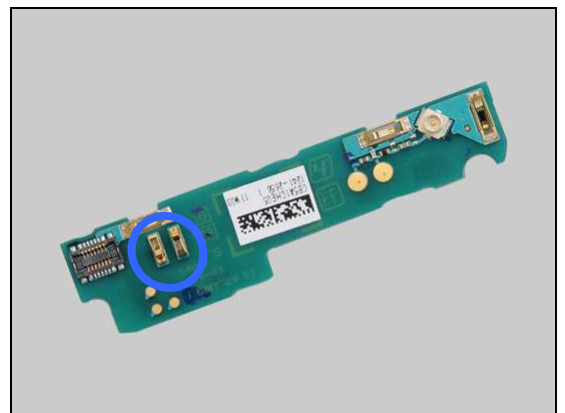


Problem Areas: Speaker

2. If the pads on the Loudspeaker are damaged – replace the Main Antenna.



3. If the pins on the Sub PBA are damaged – replace the Sub PBA.



Check:

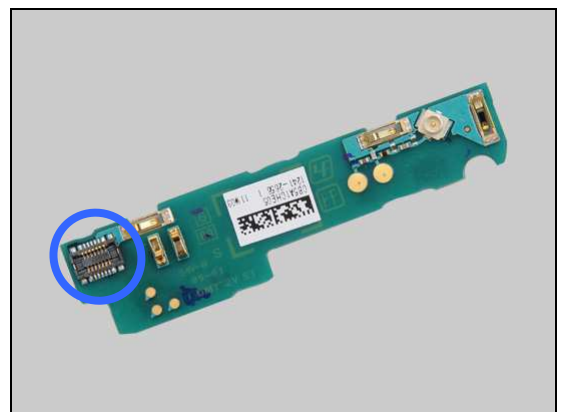
Inspect the BtB connector of the Sub PBA to SIM Flex PBA Assy.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.



3. If the connector is damaged – replace the Sub PBA.





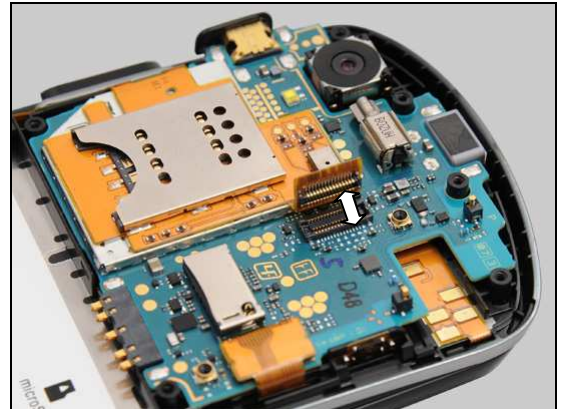
Problem Areas: Speaker

Check:

Inspect the BtB connector of the SIM Flex PBA Assy to Main PBA.

Action:

1. If not properly connected – disconnect and reconnect.
2. If dirty or oxidized – clean both sides of the BtB connector.

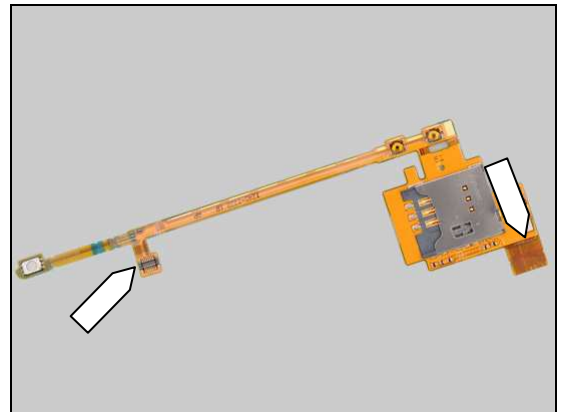


Check:

Inspect the SIM Flex PBA Assy.

Action:

1. If the SIM Flex PBA Assy or its BtB connector is damaged – replace the SIM Flex PBA Assy.
2. Send to higher level of repair.





Problem Areas

1.7 Earphone

1.7.1 Earphone

Check:

Inspect the Ear Speaker's external port.

Action:

1. If clogged – clean it.



2. If the net receiver is damaged – replace the Front Cover Assy.

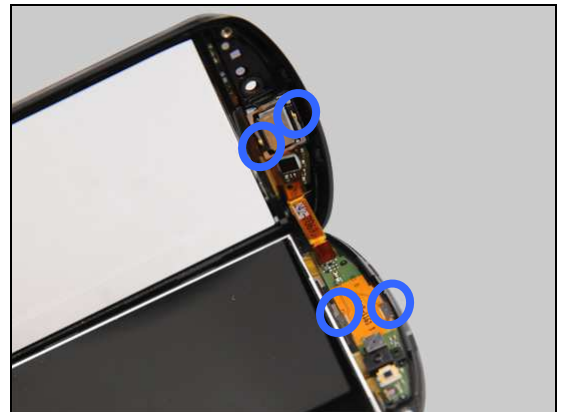


Check:

Inspect the Ear Speaker pins and the pads on the Slider Flex FPC Assy.

Action:

If dirty or oxidized – clean them.

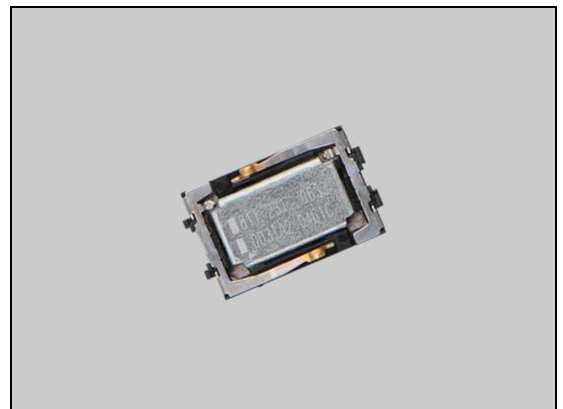


Check:

Inspect the Ear Speaker.

Action:

If the Ear Speaker is damaged – replace the Ear Speaker.





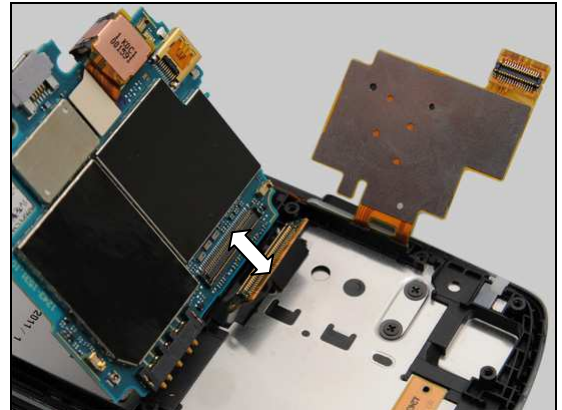
Problem Areas: Earphone

Check:

Inspect the BtB connector of the Slider Flex FPC Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.

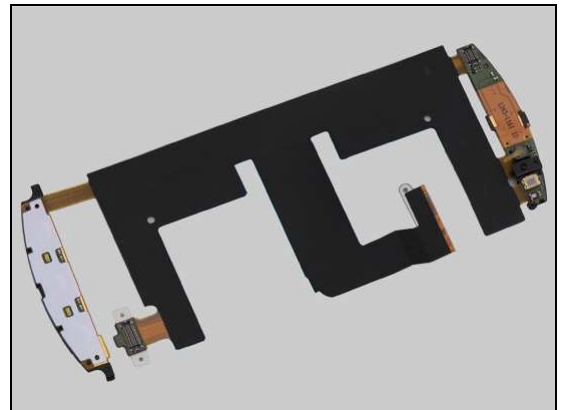


Check:

Inspect the Slider Flex FPC Assy.

Action:

1. If the pads on the Slider Flex FPC Assy or its BtB connector are damaged – replace the Slider Flex FPC Assy.
2. Send to higher level of repair.





Problem Areas

1.8 Microphone

1.8.1 Microphone

Check:

Inspect the Microphone's external port on the Cover Lower Front.

Action:

1. If clogged – clean the port.



2. If Cover Panel Lower Front is damaged – replace the Cover Panel Lower Front.



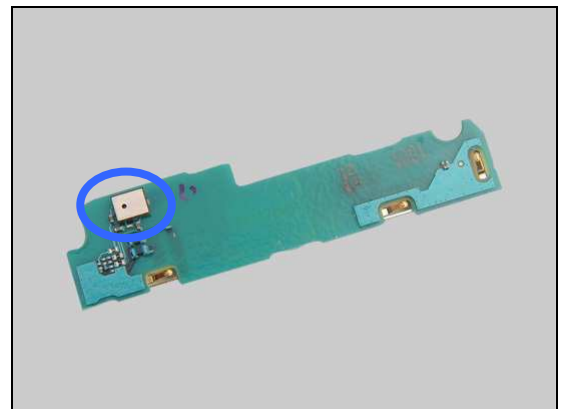
Check:

Inspect the Mic on the Sub PBA.



Action:

If the Mic is damaged – replace the Sub PBA.





Problem Areas: Microphone

Check:

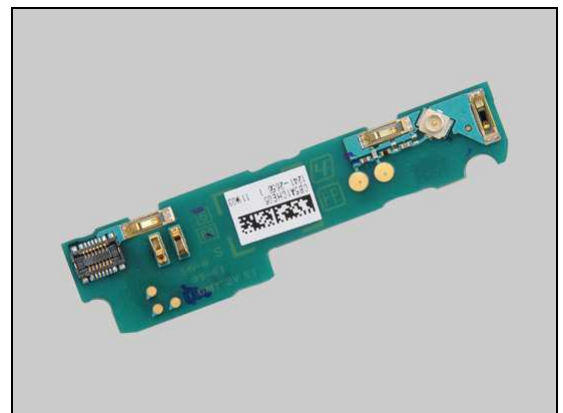
Inspect the BtB connector of the Sub PBA to SIM Flex PBA Assy.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.



3. If the connector on the Sub PBA is damaged – replace the Sub PBA.

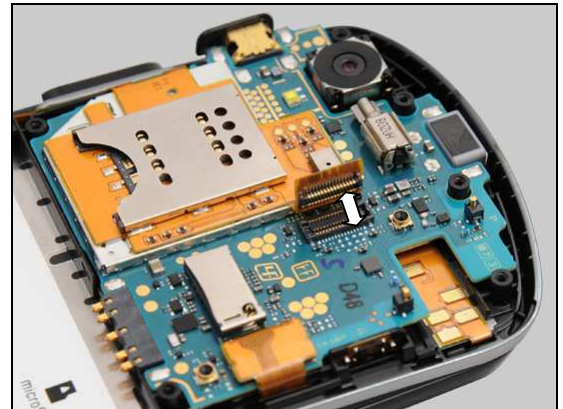


Check:

Check the BtB connector of the SIM Flex PBA Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.



Check:

Inspect the SIM Flex PBA Assy.

Action:

1. If the SIM Flex PBA Assy or its BtB connector is damaged – replace the SIM Flex PBA Assy.
2. Send to higher level of repair.





Problem Areas: Microphone

1.8.2 Secondary Microphone

Check:

Inspect the Microphone's external port on the Cover Battery.

Action:

1. If clogged – clean the port.



2. If Cover Battery is damaged – replace Cover Battery.



Check:

Inspect the Microphone's mesh port on the Cover Lower Rear.

Action:

1. If clogged – clean the port.



2. If the Cover Lower Rear is damaged – replace the Cover Lower Rear.





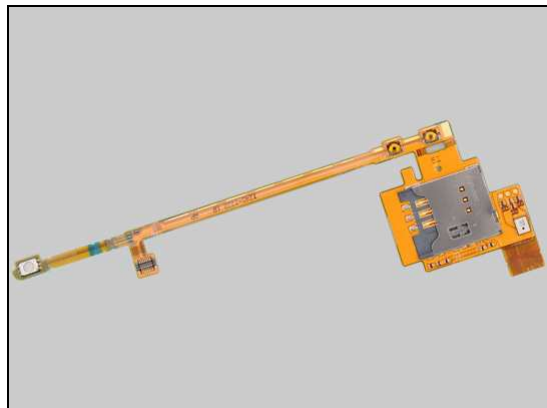
Problem Areas: Microphone

Check:

Inspect the SIM Flex PBA Assy.

Action:

1. If the SIM Flex PBA Assy or its BtB connector is damaged – replace the SIM Flex PBA Assy.
2. Send to higher level of repair.



Problem Areas

1.9 Vibrator

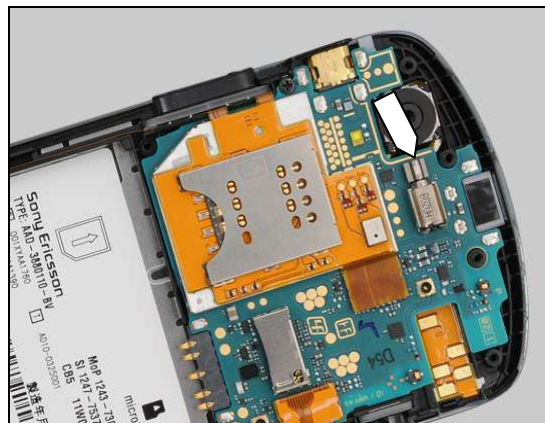
1.9.1 Vibrator not generating alerts

Check:

Inspect the vibrator on the Main PBA.

Action:

Send to higher level of repair.



Problem Areas

1.10 Camera

1.10.1 Camera defects

Check:

Inspect the camera window on the Cover Lower Rear.

Action:

1. If dirty – clean the window.

2. If scratched or damaged – replace the Cover Lower Rear.



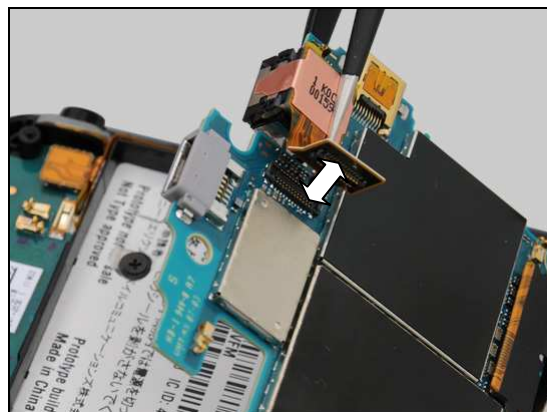
Check:

Inspect the BtB connector of the Main Camera to the PBA.

Action:

1. If not properly connected – disconnect and reconnect

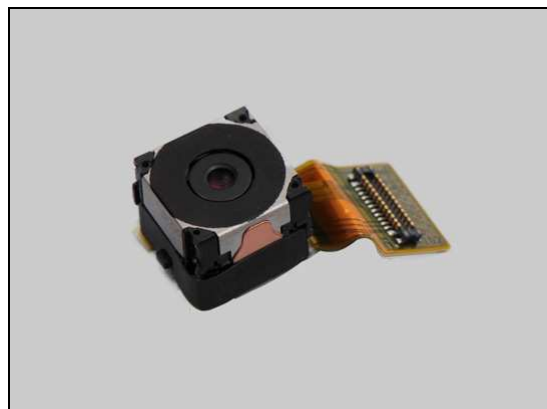
2. If dirty or oxidized – clean both sides of the BtB connector.



Action:

1. If damaged – replace the Main Camera.

2. Send to higher level of repair.





Problem Areas: Camera

1.10.2 Video Call Camera defects

Check:

Inspect the camera window on the Front Cover Assy.

Action:

1. If dirty or clogged – clean the window



2. If scratched or damaged – replace the Front Cover Assy.

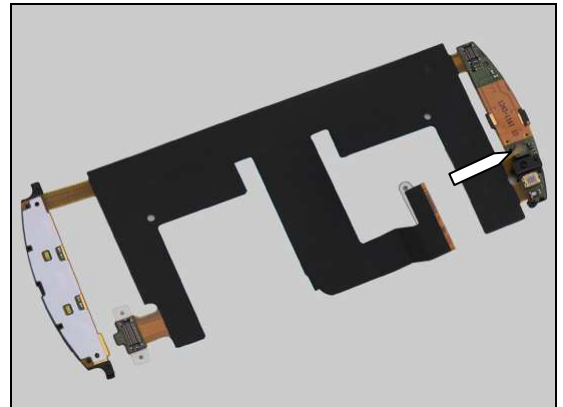


Check:

Inspect the camera on the Slider Flex FPC Assy.

Action:

1. If the camera is damaged – replace the Slider Flex FPC Assy.

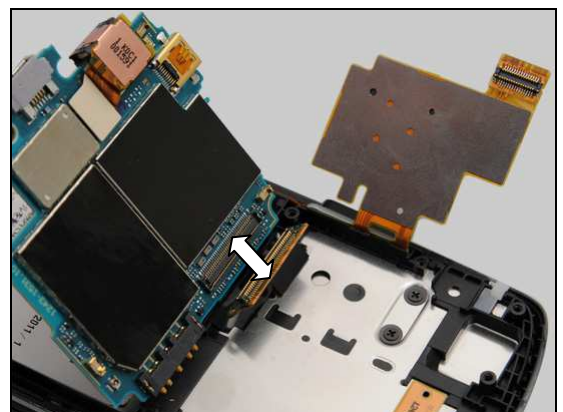


Check:

Inspect the BtB connector of the Slider Flex FPC Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.



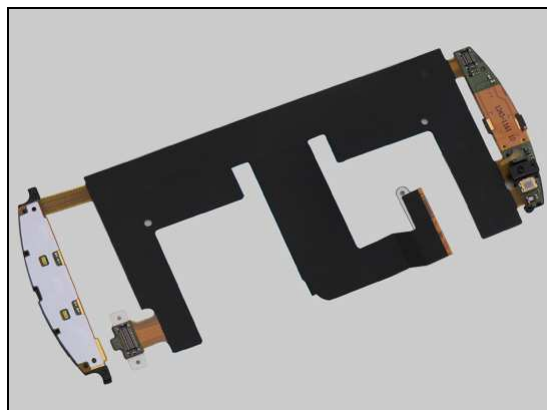
Problem Areas: Camera

Check:

Inspect the Slider Flex FPC Assy.

Action:

1. If the Slider Flex FPC Assy or its BtB connector is damaged – replace the Slider Flex FPC Assy.
2. Send to higher level of repair.



Problem Areas

1.11 Flash LED

1.11.1 Flash LED not flashing

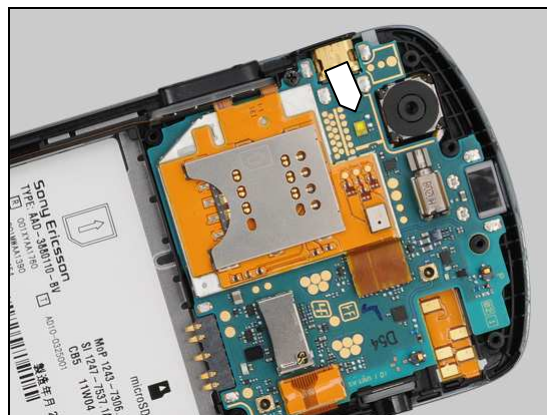
Check:

Inspect flash lens window on Cover Lower Rear.

Action:

1. If scratched or damaged – replace the Cover Lower Rear.

2. Send to higher level of repair.



Problem Areas

1.12 Bluetooth and WLAN

1.12.1 Bluetooth or WLAN connection failure

Check:

Inspect the WLAN and Bluetooth antenna on the Cover Lower Rear.



Check:

Inspect WLAN and Bluetooth antenna contact pads on the Non-cellular Antenna and the contact pins on the Main PBA.

Action:

1. If dirty or oxidized – clean the pads and pins.



2. If the pads are damaged – replace the Non-cellular Antenna.

3. Send to higher level of repair.





Problem Areas

1.13 GPS

1.13.1 GPS malfunctions

Check:

Inspect the GPS antenna on the Cover Lower Rear.

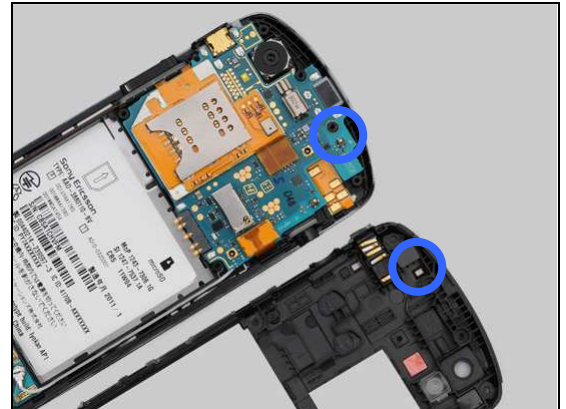


Check:

Inspect the GPS antenna contact pads on Non-cellular Antenna and the contact pins on the Main PBA.

Action:

1. If dirty or oxidized – clean the pads and pins.



2. If the pads are damaged – replace the Non-cellular Antenna.

3. Send to higher level of repair.





Problem Areas

1.14 Compass

1.14.1 Compass fails

Action:

Send to higher level of repair.



Problem Areas

1.15 Accelerometer

1.15.1 Accelerometer test fails

Action:

Send to higher level of repair.

Problem Areas

1.16 Ambient Light Sensor

1.16.1 Light Sensor malfunctions

Check:

Inspect the light sensor window on the Front Cover Assy.

Action:

1. If clogged – clean it.

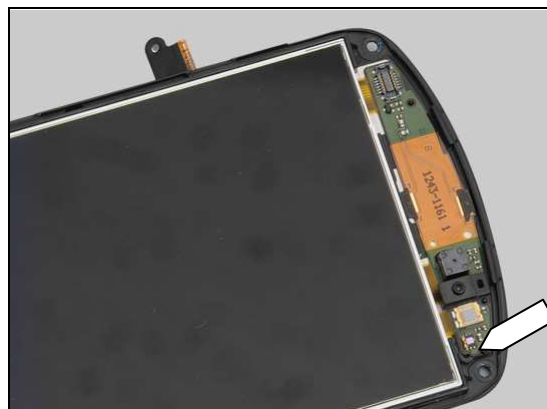


2. If scratched or damaged – replace the Front Cover Assy.



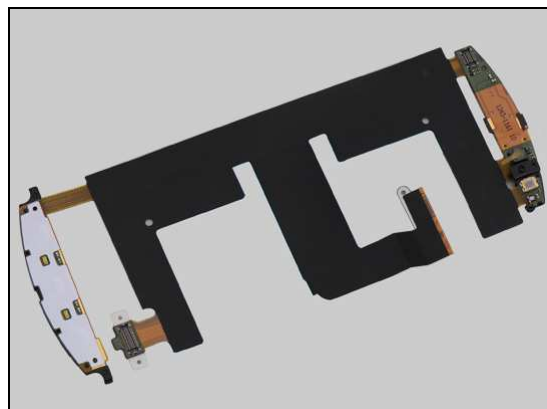
Check:

Inspect the light sensor on the Slider Flex FPC Assy.



Action:

If scratched or damaged – replace the Slider Flex FPC Assy.





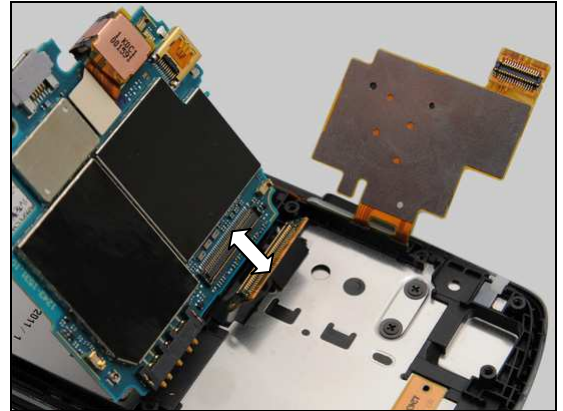
Problem Areas: Ambient Light Sensors

Check:

Inspect the BtB connector of the Slider Flex FPC Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.

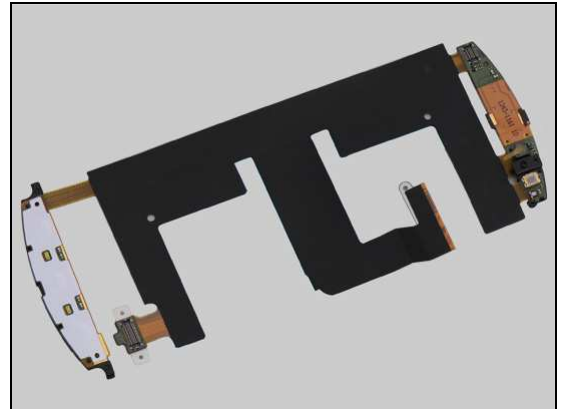


Check:

Inspect the Slider Flex FPC Assy.

Action:

1. If the Slider Flex FPC Assy or its BtB connector is damaged – replace the Slider Flex FPC Assy.
2. Send to higher level of repair.





Problem Areas

1.17 Proximity switch

1.17.1 Proximity switch malfunctions

Check:

Inspect the Proximity switch window on the Front Cover Assy.

Action:

1. If clogged – clean it.



2. If scratched or damaged – replace the Front Cover Assy.



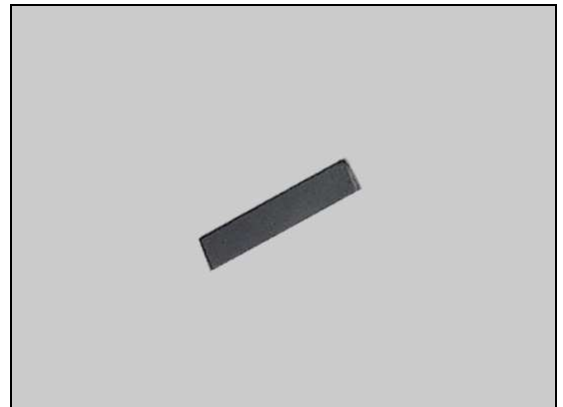
Check:

Inspect the Proximity Sensor Tape on white frame of LCD.



Action:

If Proximity Sensor Tape is missing or damaged – replace it.





Problem Areas: Proximity Switch

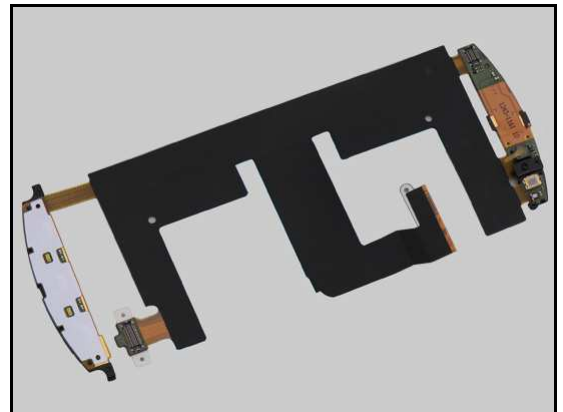
Check:

Inspect the Proximity switch and sensor on the Slider Flex FPC Assy.



Action:

If scratched or damaged – replace the Slider Flex FPC Assy.

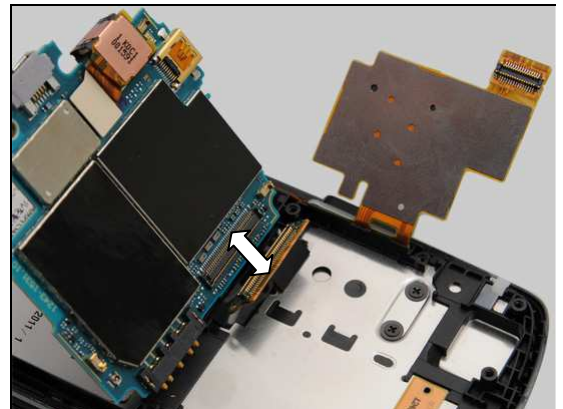


Check:

Inspect the BtB connector of the Slider Flex FPC Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.

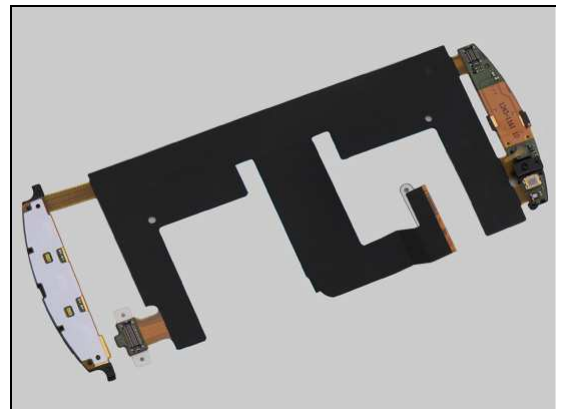


Check:

Inspect the Slider Flex FPC Assy.

Action:

1. If the Slider Flex FPC Assy or its BtB connector is damaged – replace the Slider Flex FPC Assy.
2. Send to higher level of repair.





Problem Areas

1.18 Real Time Clock

1.18.1 Real Time Clock test fails

Action:

Send to higher level of repair.



Problem Areas

1.19 Total call time

1.19.1 Total call time fails

Action:

Send to higher level of repair.



Problem Areas

1.20 External Memory Card

1.20.1 Memory Card not detected

Check:

Inspect the memory card holder on the Cover Lower Rear.

Action:

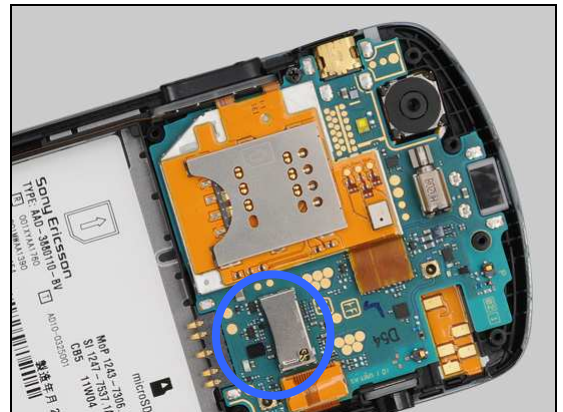
If damaged – replace the Cover Lower Rear.

Check:

Inspect the Memory Card holder.

Action:

1. If dirty or oxidized – clean the holder.
2. Send to higher level of repair.



Problem Areas

1.21 Security

1.21.1 Security fails

Action:

Send to higher level of repair.



Problem Areas

1.22 FM Radio

1.22.1 No/Poor FM Radio reception

Check:

Inspect the audio jack.

Action:

1. If dirty or oxidized – clean the connector.



2. If the audio jack has any damage – replace the audio jack.



Check:

Inspect the contact pins on the audio jack and the contact pads on the Qwerty Key Flex PBA.

Action:

1. If dirty or oxidized – clean the pads and pins.



2. If the pins are damaged – replace the audio jack.



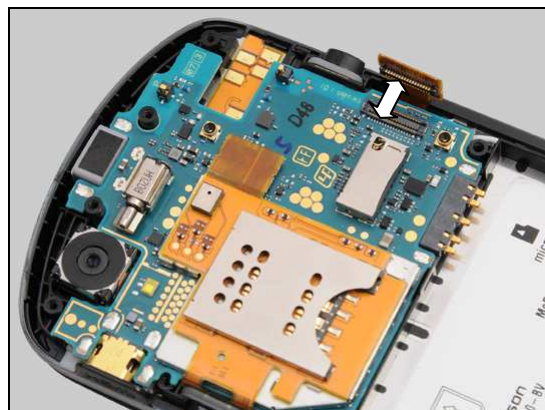
Problem Areas: FM Radio

Check:

Inspect the BtB connector of the Qwerty Key Flex PBA to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect.
2. If dirty or oxidized – clean both sides of the BtB connector.



Check:

Inspect the Qwerty Key Flex PBA.

Action:

1. If the Qwerty Key Flex PBA or its BtB connector is damaged – replace the Qwerty Key Flex PBA.
2. Send to higher level of repair.





Problem Areas

1.23 Battery test

1.23.1 Battery test fails

Action:

Send to higher level of repair.



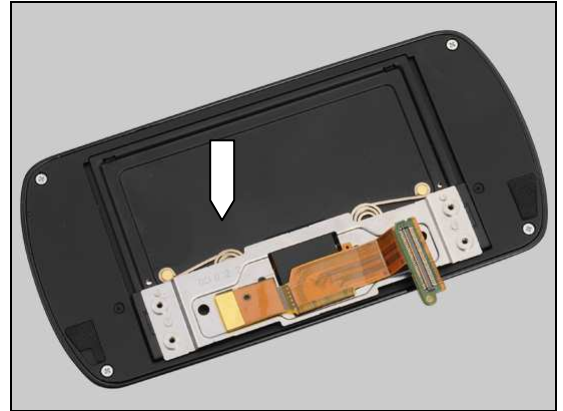
Problem Areas

1.24 Sliding

1.24.1 Hinge Slider & Magnet

Check:

Inspect the hinge on the Slider Sub Assembly.



Action:

If the hinge is damaged – replace the Slider Sub Assembly.



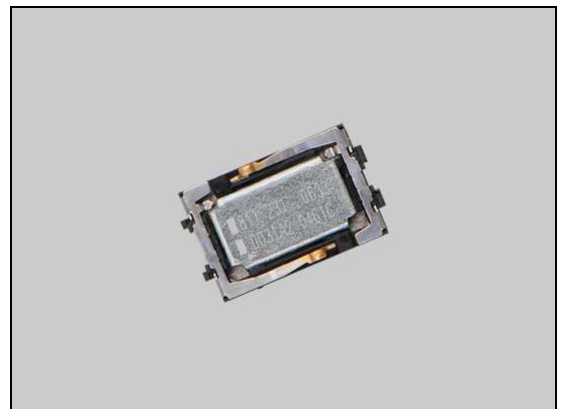
Check:

Inspect the Ear Speaker on the Front Cover Assy.



Action:

1. If the Ear Speaker is damaged – replace the Ear Speaker.
2. Send to higher level of repair.



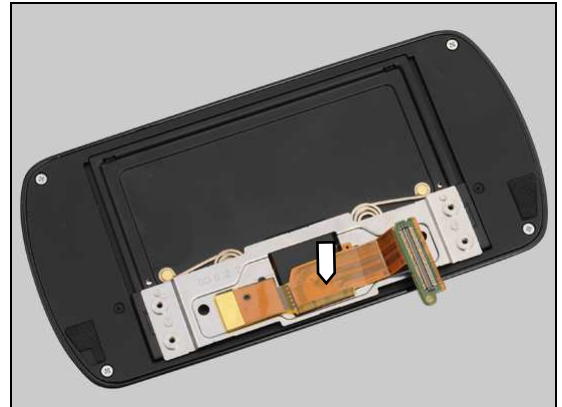


Problem Areas: Sliding

1.24.2 Hinge Flex

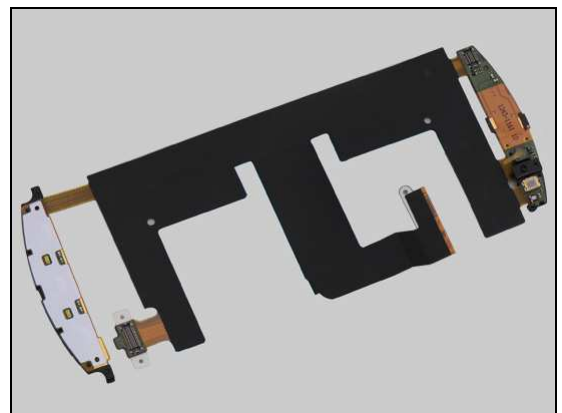
Check:

Inspect the Slider Flex FPC Assy.



Action:

1. If the Slider Flex FPC Assy or its BtB connector damaged – replace the Slider Flex FPC Assy.
2. Send to higher level of repair.





Problem Areas

1.25 Verify Certificates

1.25.1 Verify certificates fails

Action:

Send to higher level of repair.

Problem Areas

1.26 HDMI Test

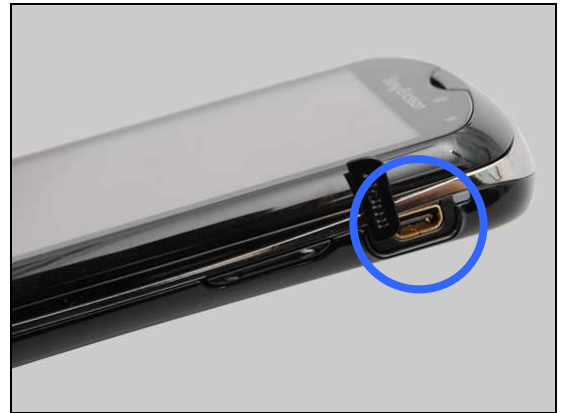
1.26.1 HDMI test fails

Check:

Inspect the HDMI connector.

Action:

Send to higher level of repair.





Problem Areas

1.27 Network & Signal

1.27.1 No/Poor signal

Check:

Inspect the Main Antenna on the Main Antenna.



Check:

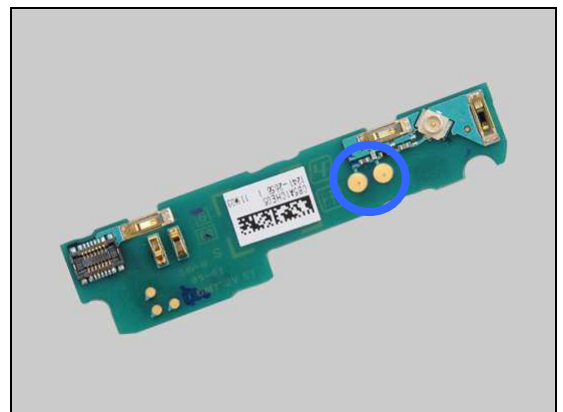
Inspect the contact pins on the Main Antenna and contact pads on the Sub PBA.

Action:

1. If dirty or oxidized – clean the pads and pins.



2. If the pads on the Sub PBA are damaged – replace the Sub PBA.



3. If the pins are damaged – replace Main Antenna.





Problem Areas: Network & Signal

Check:

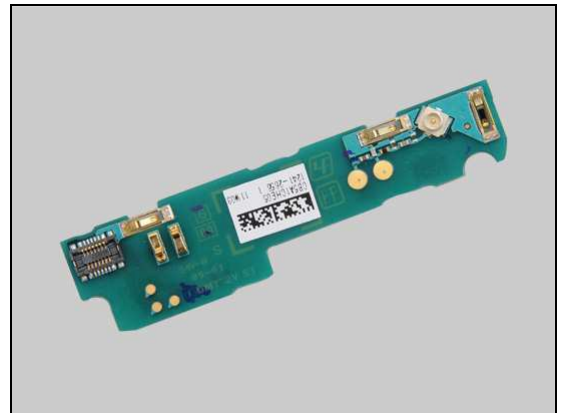
Inspect the connector of RF Cable on Sub PBA to Cable RF.

Action:

1. If not properly connected to Sub PBA – disconnect and reconnect it.



2. If damaged – replace the Sub PBA.

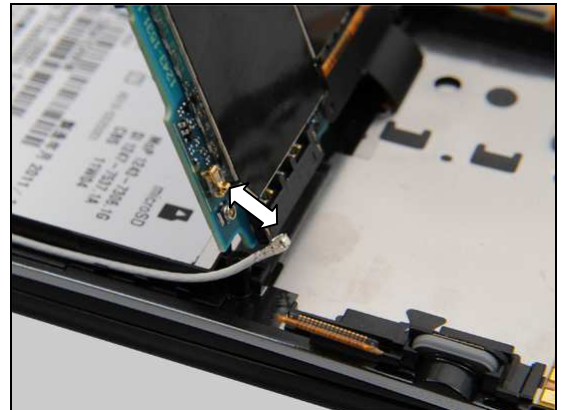


Check:

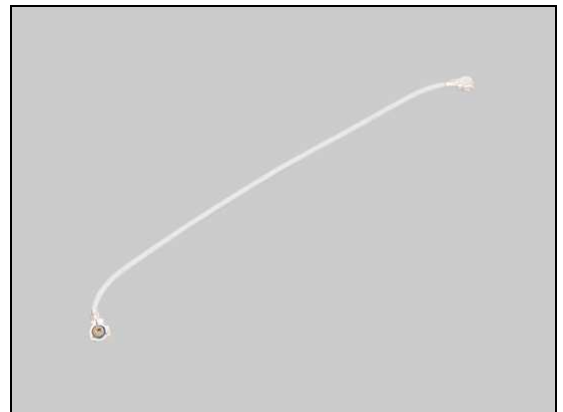
Inspect the connector of RF Cable to the Main PBA.

Action:

1. If not properly connected to the Main PBA – disconnect and reconnect it.



2. If damaged – replace the Cable RF.
3. Send to higher level of repair.





Problem Areas

1.28 SIM

1.28.1 SIM not detected

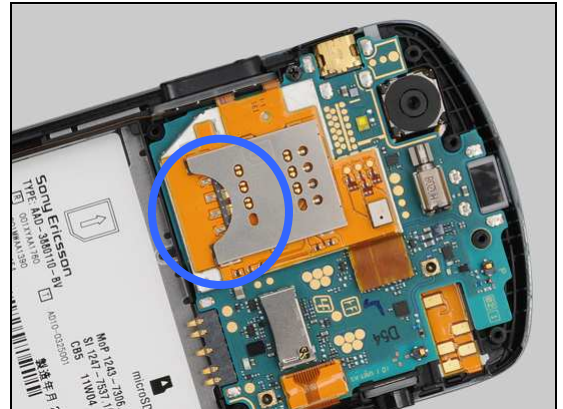
Check the SIM holder.

Check:

Inspect the SIM holder.

Action:

1. If dirty or oxidized – clean the holder.
2. Send to higher level of repair.

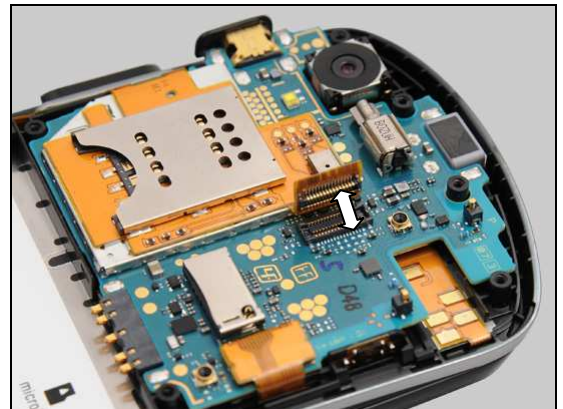


Check:

Check the BtB connector of the SIM Flex PBA Assy to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect
2. If dirty or oxidized – clean both sides of the BtB connector.

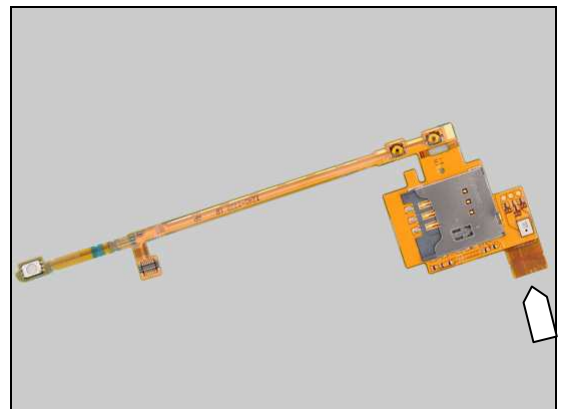


Check:

Inspect the SIM Flex PBA Assy.

Action:

1. If the SIM Flex PBA Assy or its BtB connector is damaged – replace the SIM Flex PBA Assy.
2. Send to higher level of repair.



Problem Areas: SIM

1.28.2 Incorrect SIM indicated

Check:

Check whether the phone is locked to a particular operator and whether the correct operator SIM is being used.

Action:

1. Use a proper operator SIM or test SIM.
2. Send to higher level of repair.



Problem Areas

1.29 Charging

1.29.1 Battery will not charge

Check:

Inspect the contact pads of the Battery.

Action:

1. If dirty or oxidized – clean the pads.
2. If damaged – replace the Battery.



Check:

Inspect the Battery Contact pins.

Action:

1. If dirty or oxidized – clean the contact pins.
2. If adhesive is detected on the contact pins – use an eraser to gently rub off the adhesive.



Check:

Inspect the USB connector.

Action:

1. If dirty or oxidized – clean the connector.
2. Send to higher level of repair.





Problem Areas

1.30 HandsFree by Wire

1.30.1 Connection to Portable HandsFree fails

Check:

Inspect the audio jack.

Action:

If dirty or oxidized – clean the connector.

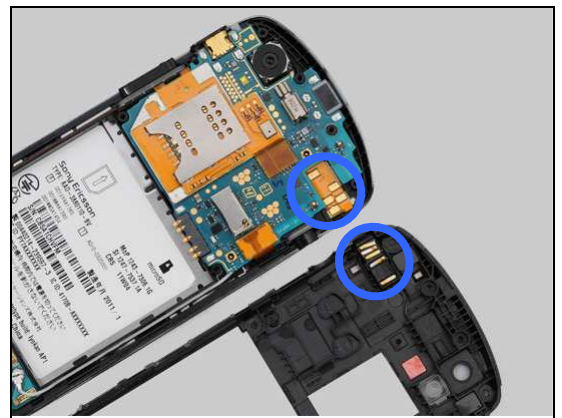


Check:

Inspect the contact pins on the audio jack and the contact pads on Cover Lower Front.

Action:

1. If dirty or oxidized – clean the pads and pins.



2. If the pins are damaged – replace the Audio Jack.

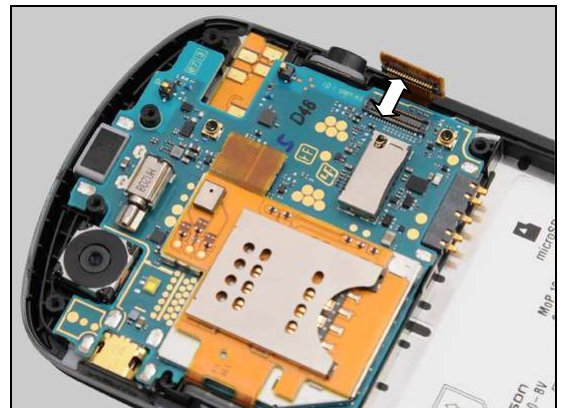


Check:

Inspect the BtB connector of the Qwerty Key Flex PBA to the Main PBA.

Action:

1. If not properly connected – disconnect and reconnect.
2. If dirty or oxidized – clean both sides of the BtB connector.





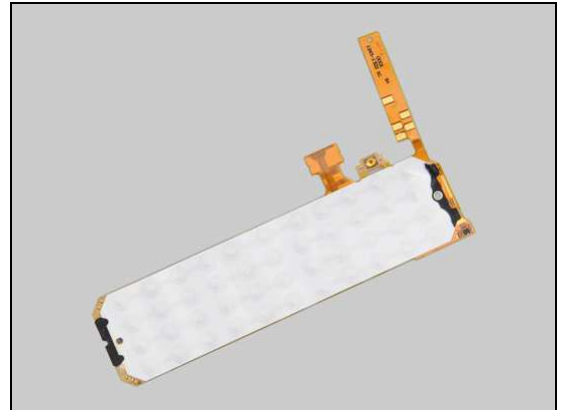
Problem Areas: Handsfree by Wire

Check:

Inspect the Qwerty Key Flex PBA.

Action:

1. If the Qwerty Key Flex PBA or its BtB connector is damaged – replace the Qwerty Key Flex PBA.
2. Send to higher level of repair.



Problem Areas

1.31 Data Communication

1.31.1 Data transfer via System Connector fails

Check:

Inspect the USB connector.

Action:

1. If dirty or oxidized – clean the connector.
2. Send to higher level of repair.





2 Revision History

| Rev. | Date | Changes / Comments |
|------|-------------|--------------------------------------|
| 1 | 2011-Aug-08 | Released |
| 2 | 2011-Aug-11 | Text Update |
| 3 | 2011-Sep-29 | Add new part - Proximity Sensor Tape |