

Service Repair Documentation
Level 2.5 – A62, A65



Release	Date	Department	Notes to change
1.0	13.09.2004	ICM MP CCQ GRM T	New document
1.1	13.12.2004	Com MD CC GRM T	Document modified

Introduction

This Service Repair Documentation is intended to carry out repairs on Siemens repair level 2.5. The described failures shall be repaired in Siemens authorized local workshops only.

All repairs have to be carried out in an ESD protected environment and with ESD protected equipment/tools. For all activities the international ESD regulations have to be considered.

Assembling/disassembling has to be done according to the latest A65 Level 2 repair documentation. It has to be ensured that every repaired mobile Phone is checked according to the latest released General Test Instruction document (both documents are available in the Technical Support section of the C-market).

Check at least weekly C-market for updates and consider all A65 related Customer Care Information

A62 Partnumber on IMEI label: S30880-S5890-#xxx

A65 Partnumber on IMEI label: S30880-S5810-#xxx

, while # may be any letter (A-Z) and xxx may be any number from 100, 101, 102....

If you have any questions regarding the repair procedures or technical questions spare not hesitate to contact our technical support team in Kamp-Lintfort, Germany:

Tel.: +49 2842 95 4666

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e-mail: st-support@klf.siemens.de

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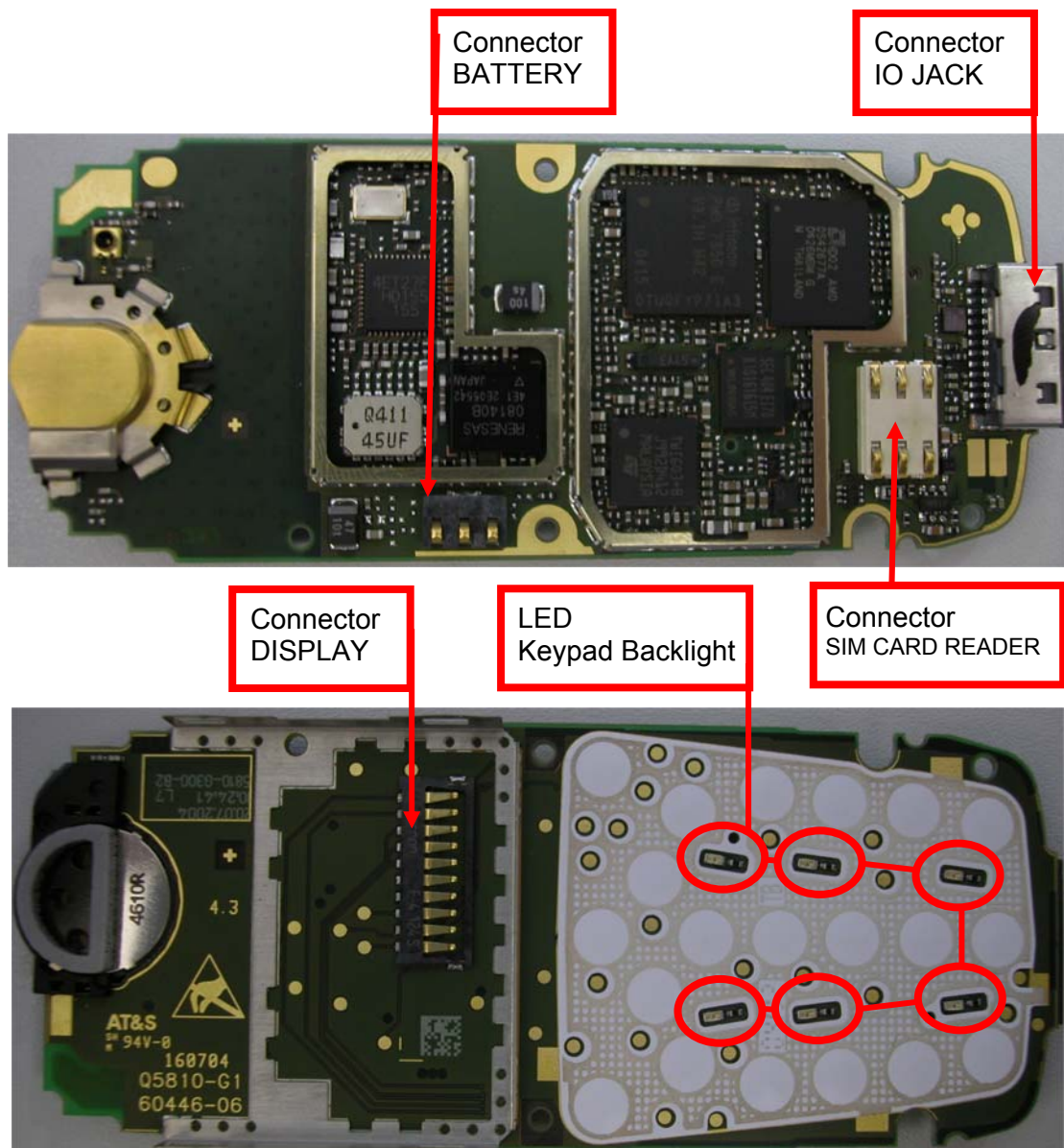
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1 A62, A65 board layout

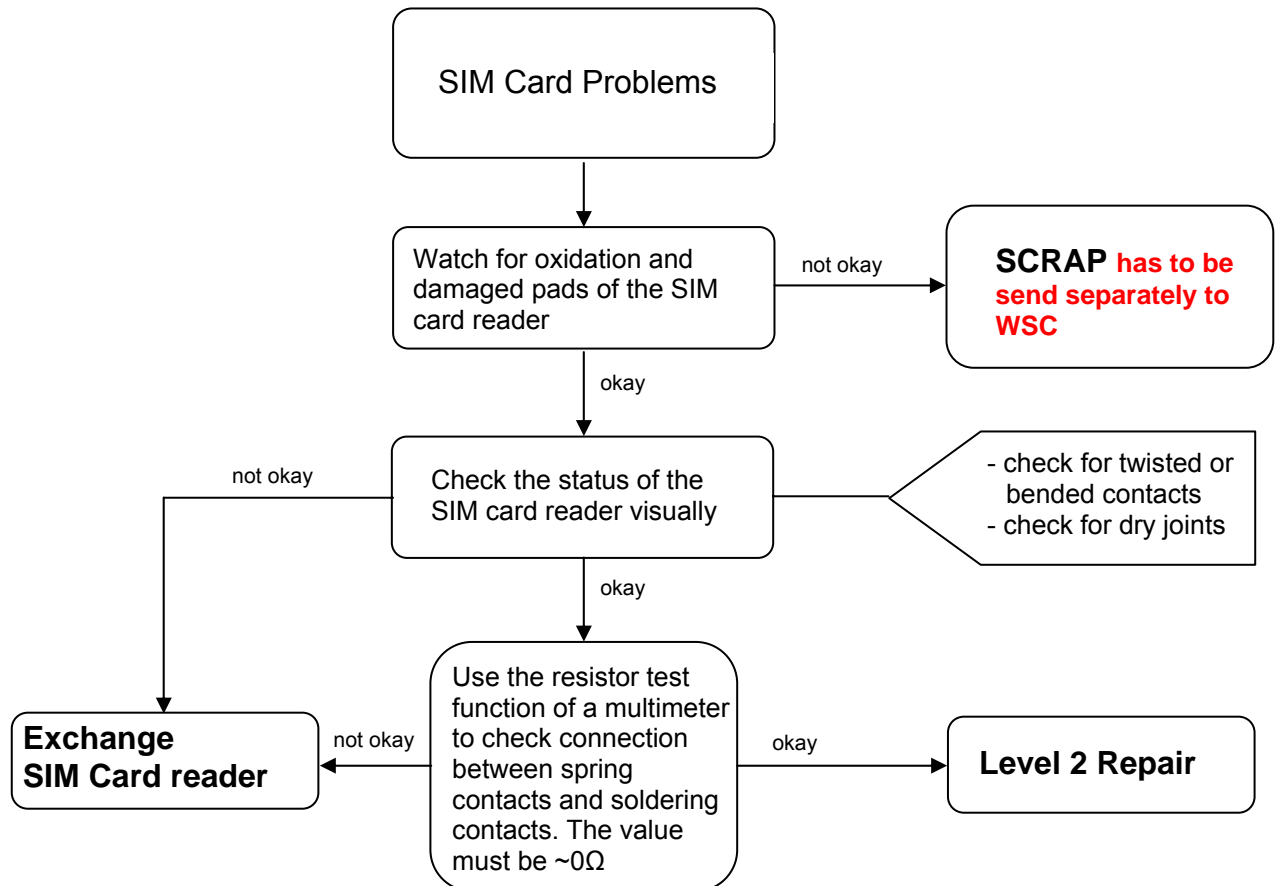
Jigs, Tools and Working materials for all described repairs:

- hot air blower
- soldering gun
- tweezers
- flux
- solder



2 Connector SIM Card Reader

Fault Symptoms	
Customer: Handset does not accept SIM card	GRT: SIM Card Problems



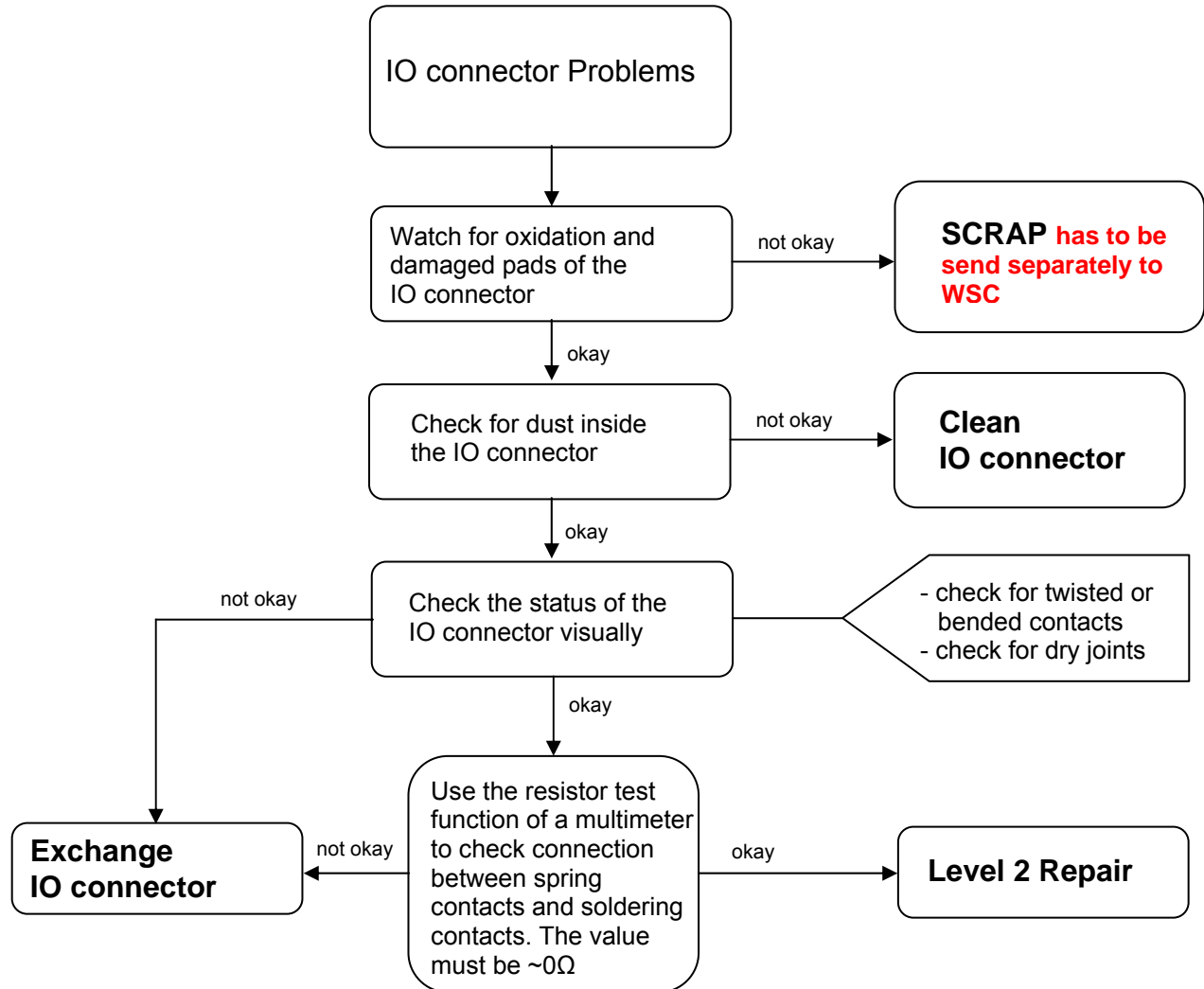
Connector SIM Card Reader

Use soldering iron to remove defective component. Avoid excessive heat! Watch surrounding components! Resolder new component afterwards.

E-commerce order number: L36334-Z97-C291
 Soldering temperature: 240 - 255°C
 IRIS Diagnose Code: 43300 Interface/SIM Cardreader/Mechanical Damage

3 Connector IO Jack

Fault Symptoms	
Customer: Charging Problems Problems with external loudspeaker or microphone when using a car kit Problems with accessories connected at the IO connector	GRT: No connection to GRT Tbd.



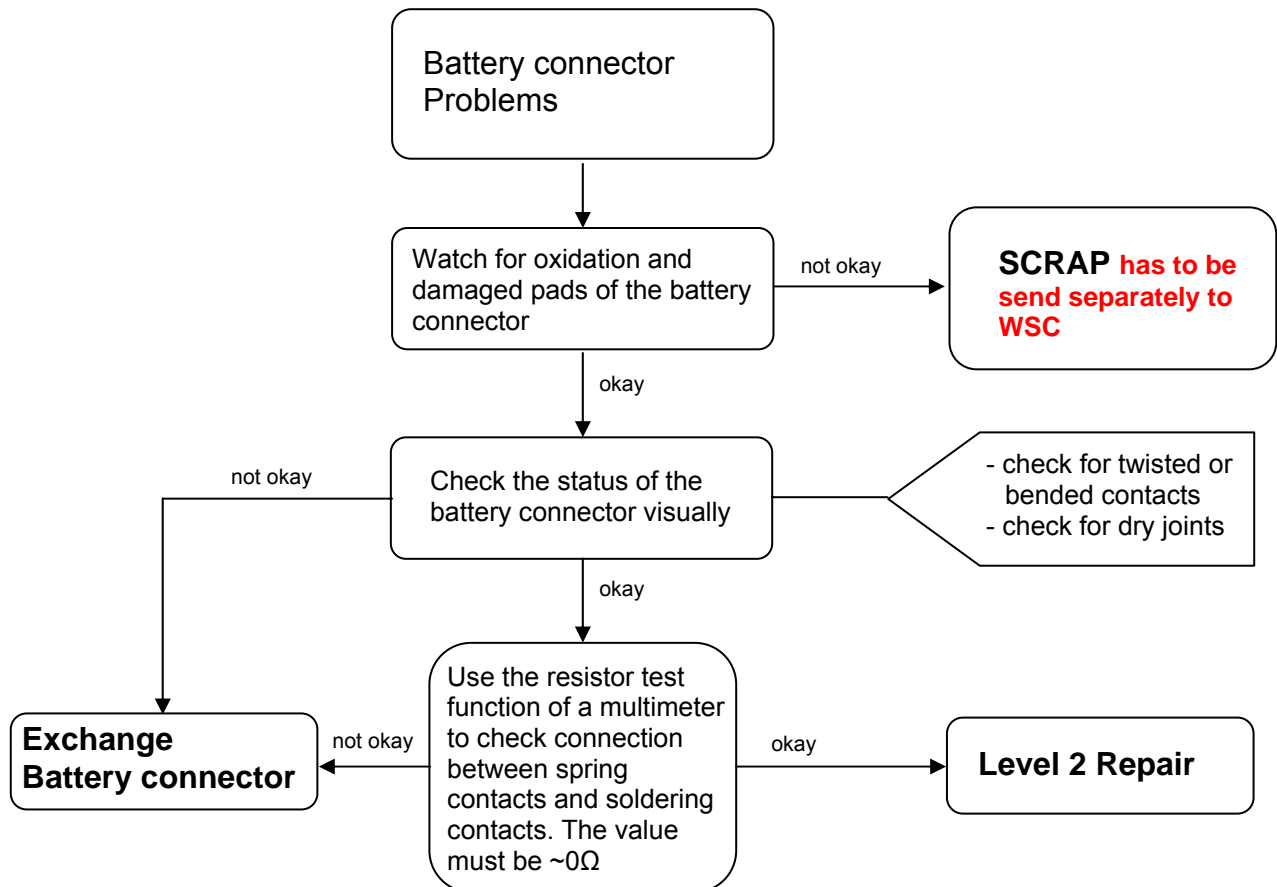
Connector IO Jack

Use soldering iron to remove defective component. Avoid excessive heat! Watch surrounding components! Resolder new component afterwards.

E-commerce order number: L36334-Z93-C303
 Soldering temperature: 240 - 255°C
 IRIS Diagnose Code: 46100 Interface/Charging Connector/Mechanical Damage
 47300 Interface/Data Interface/Mechanical Damage
 4B100 Interface/Headset Connector/Mechanical Damage

4 Connector Battery

Fault Symptoms	
Customer: Mobile does not switch on	GRT: No connection to GRT



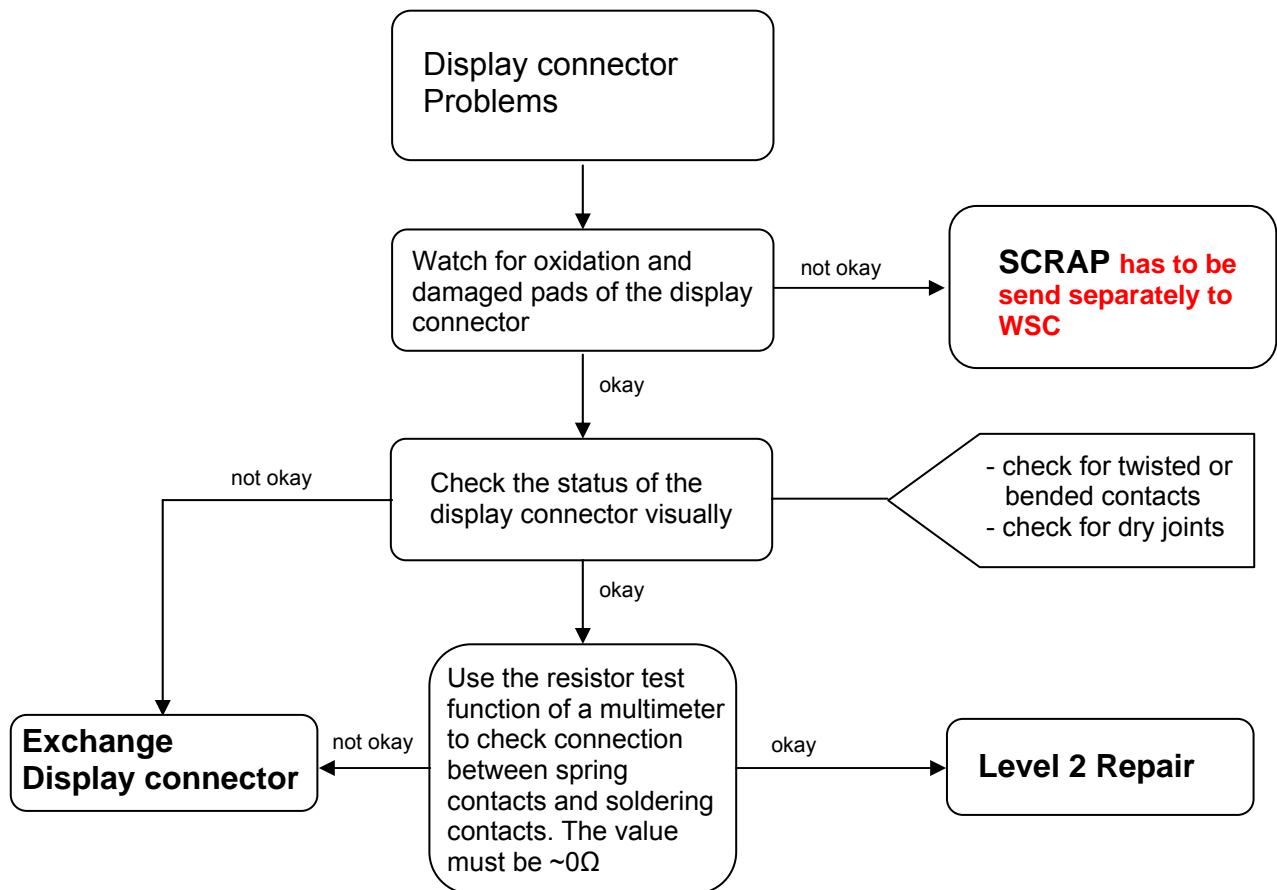
Connector BATTERY

Use hot air blower to remove defective component. Avoid excessive heat! Watch surrounding components! Resolder new component afterwards.

E-commerce order number: L36334-Z97-C213
 Soldering temperature: 240 - 255°C
 IRIS Diagnose Code: 13000 Battery/Mechanical Damage

5 Connector Display

Fault Symptoms	
Customer: Display problems, like missing lines or columns on the LCD or display contrast problems or illumination problems	GRT: Display problems



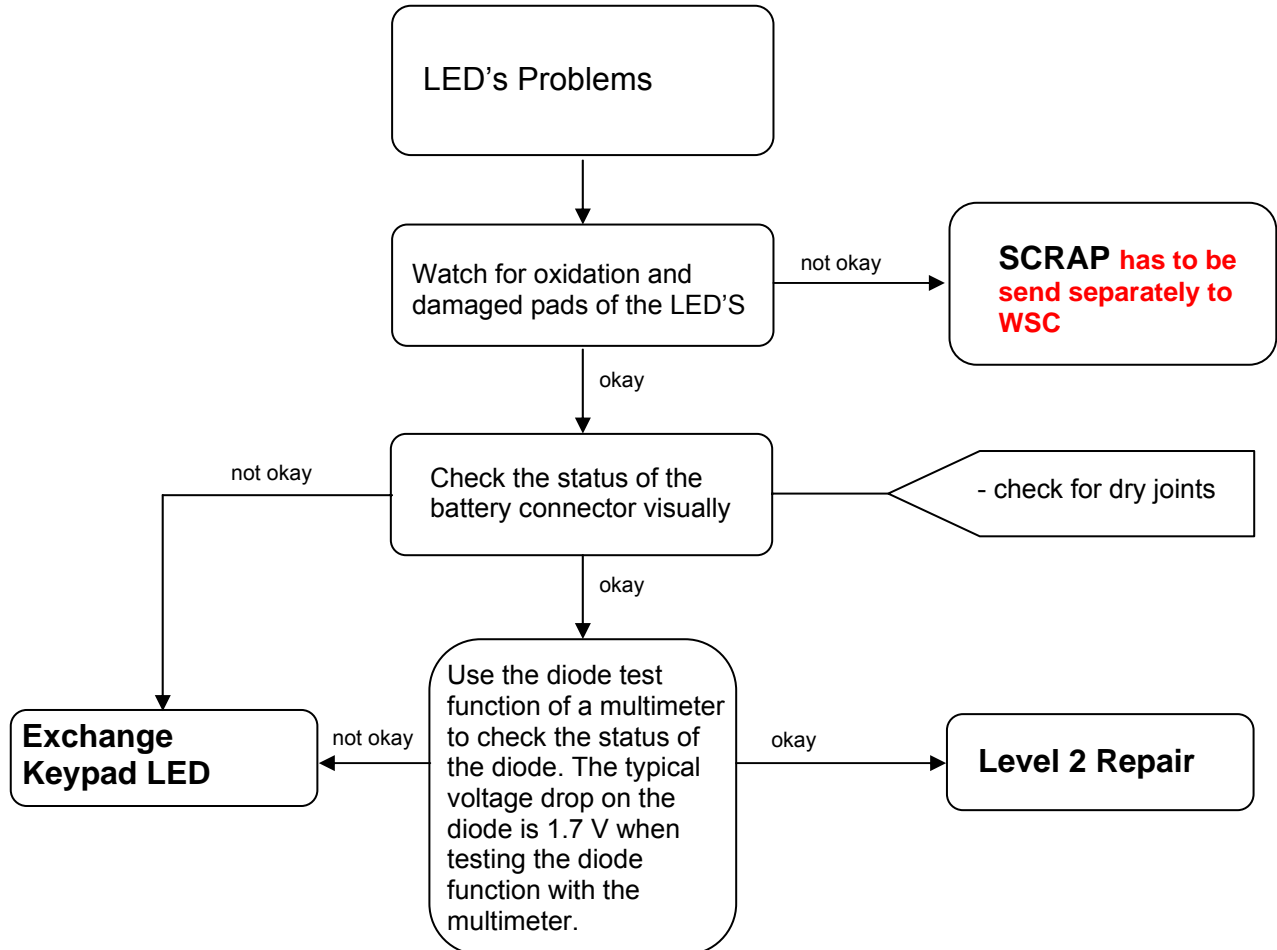
Connector DISPLAY

Use hot air blower to remove defective component. Avoid excessive heat! Watch surrounding components! Resolder new component afterwards.

E-commerce order number: L36334-Z97-C205
 Soldering temperature: 240 - 255°C
 IRIS Diagnose Code: 21000 Display / Performance
 22000 Display / Background Illumination

6 LED_ KEYPAD_ BACKLIGHT

Fault Symptoms	
Customer: Keypad BACKLIGHT illumination does not work	GRT: Tbd.



LED_ KEYPAD_ BACKLIGHT

Remove metal dome sheet before replace LED's Use soldering iron to remove defective component. Avoid excessive heat! Watch surrounding components! Resolder new component afterwards. The metal dome jip must be used to place the metal dome sheet.

E-commerce order number: L36 840-L2056-D670
 Soldering temperature: 240 - 255°C
 IRIS Diagnose Code: 22000 Display / Background Illumination