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Service Repair Documentation
Level 2.5 – AX75

Release	Date	Department	Notes to change
1.0	17.05.2005	ICM MP CC GRM T	New document

Introduction

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

The level 2.5light (former Level 2.5) partners are obliged to repair boards, up to their repair level, under consideration of the information given by level 2.5Light (former level 2.5) repair instruction.

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 AX75 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 AX75 related Customer Care Information

AX75 Partnumber on IMEI label: S30880-S7800-#xxx

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

Scrap Handling: All Scrap information given in this manual are related to the SCRAP-Rules and instructions.

Attention: Consider the new "LEAD-FREE" soldering rules (available in the communication market), avoid excessive heat.

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:

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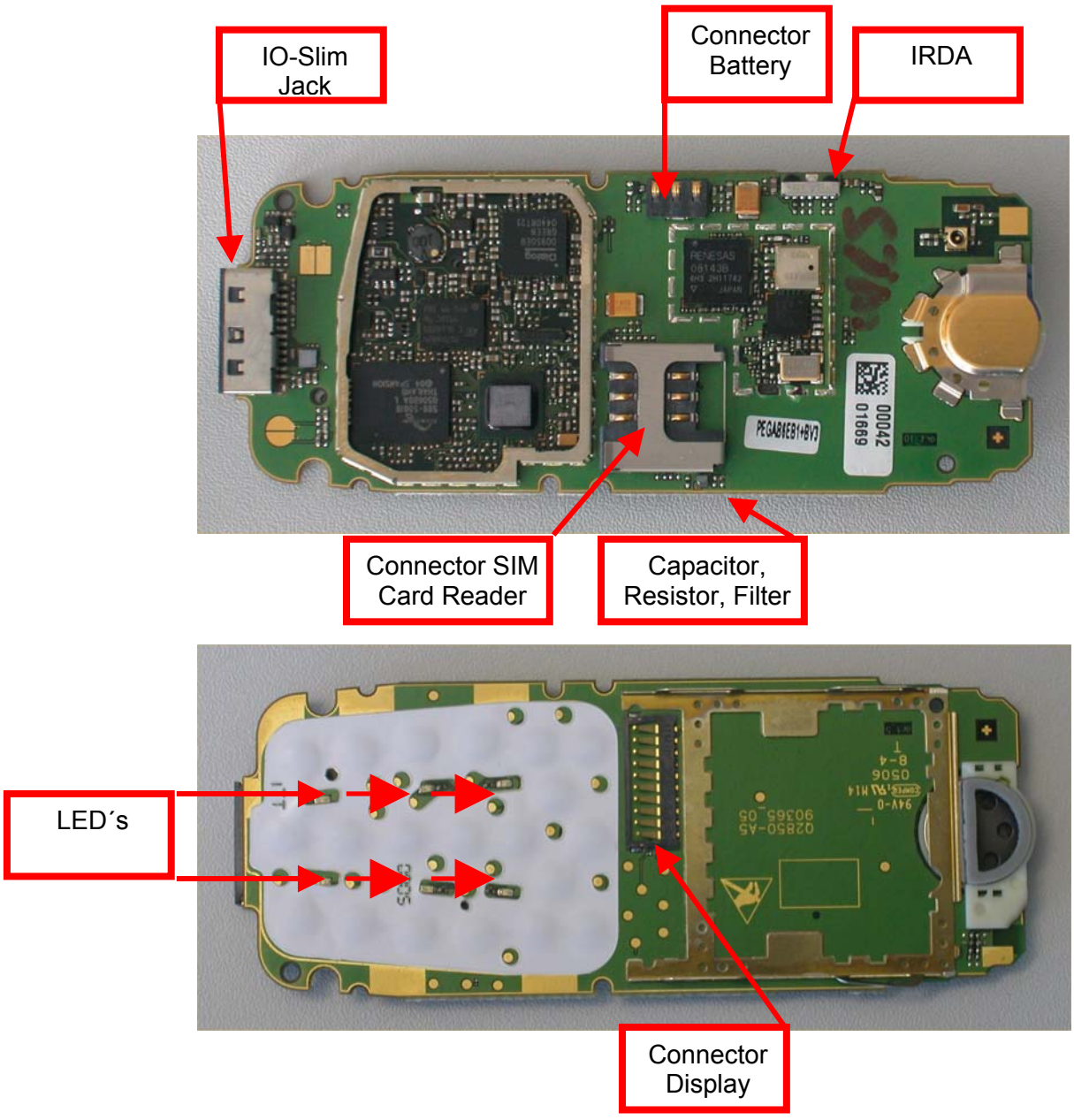
1 AX75 board layout

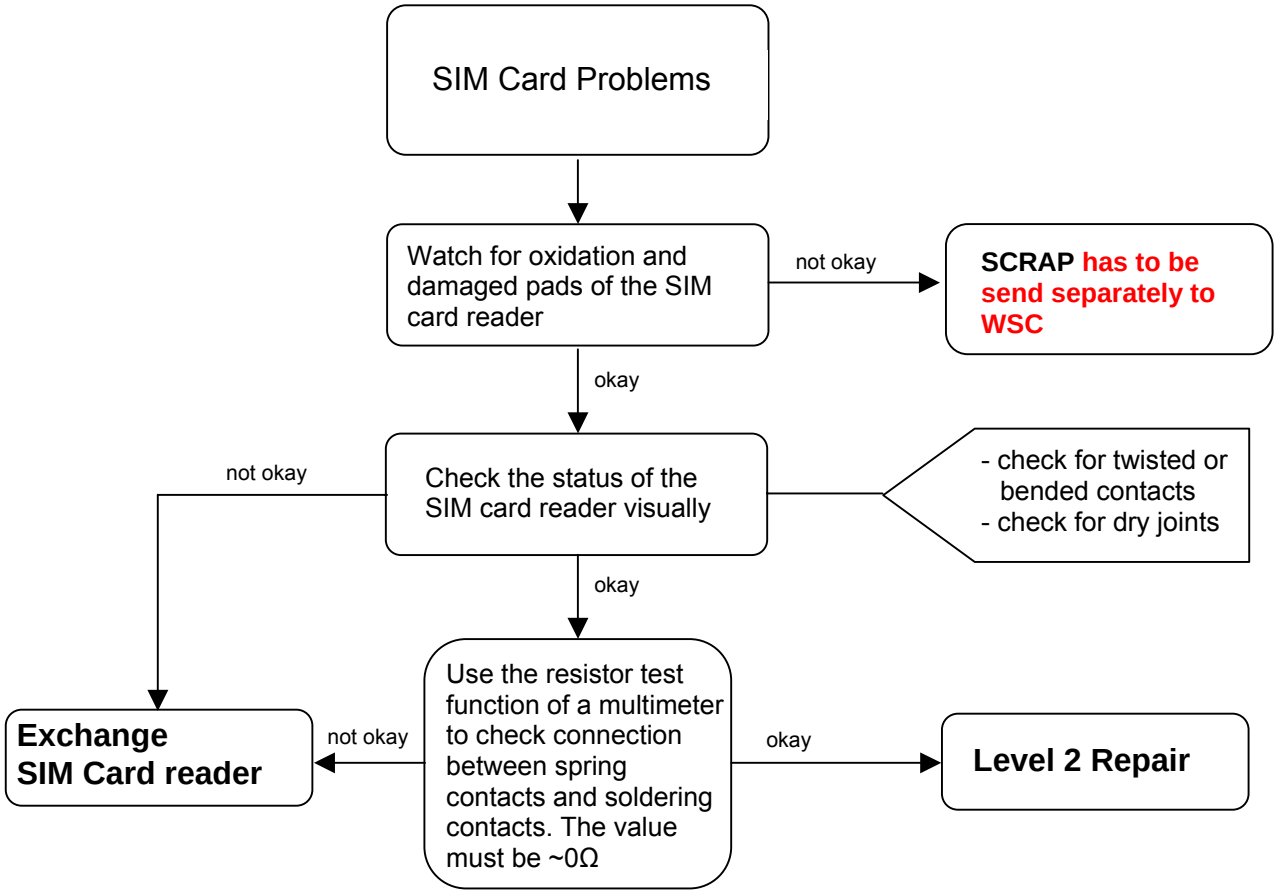
Jigs, Tools and Working materials for all described repairs:

- 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

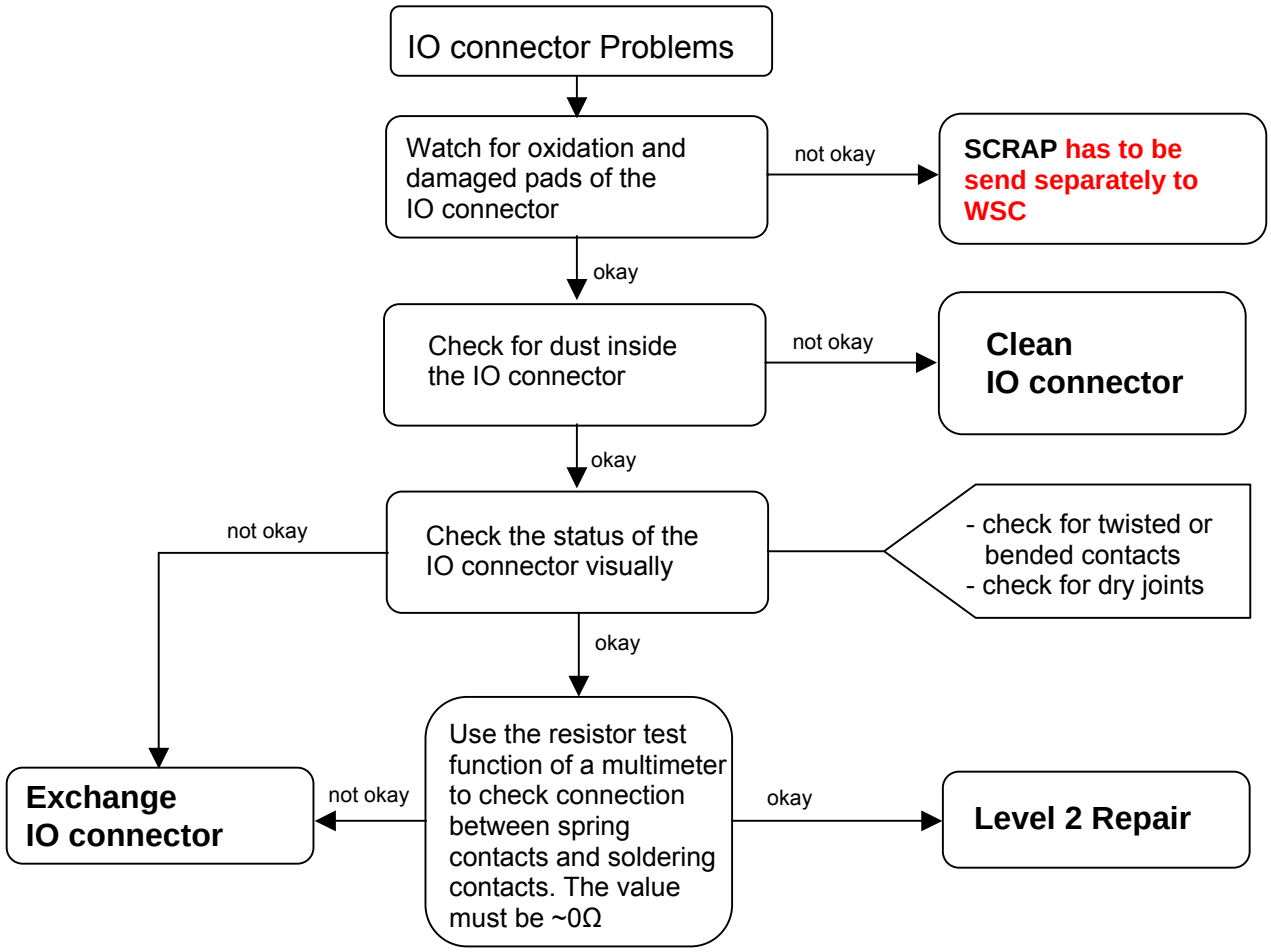


Connector SIM Card Reader
Use soldering iron to remove defective component. Avoid excessive heat! Watch surrounding components! Resolder new component afterwards.

E-commerce order number:	L36334-Z97-C337
E-commerce order name:	CONNECTOR SIM CARD READER K1
Soldering temperature:	~ 360°C Tip Temp.
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.

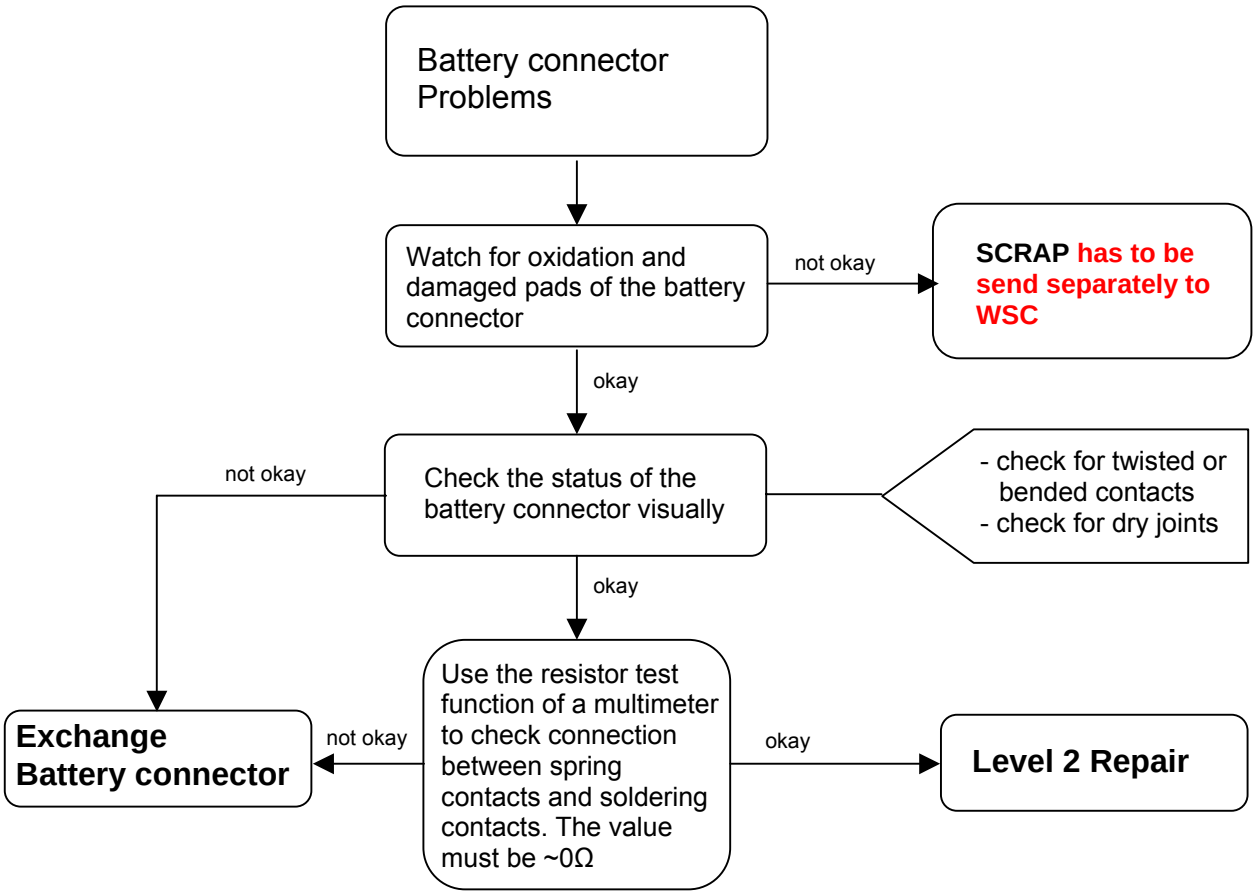


Connector IO Jack
Use soldering iron to remove defective component. Avoid excessive heat! Watch surrounding components! Resolder new component afterwards.

E-commerce order number:	L36334-Z93-C303
E-commerce order name:	IO-JACK SLIM 12-POL
Soldering temperature:	~ 360°C Tip Temp.
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

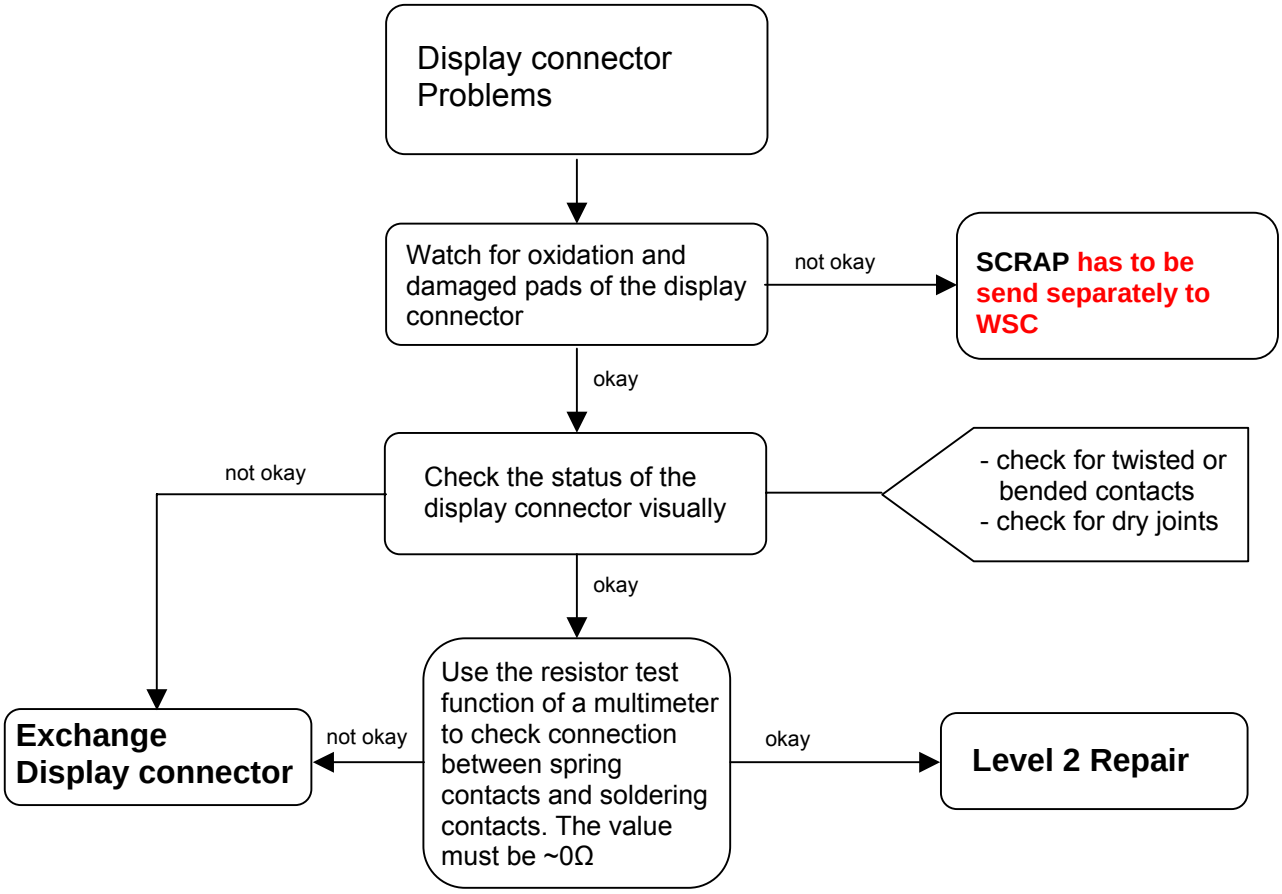


Connector BATTERY
Use hot air blower to remove defective component. Avoid excessive heat! Watch surrounding components! Resolder new component afterwards.

E-commerce order number:	L36334-Z97-C213
E-commerce order name:	CONNECTOR BATTERY 3-POL
Soldering temperature:	~ 360°C Tip Temp.
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

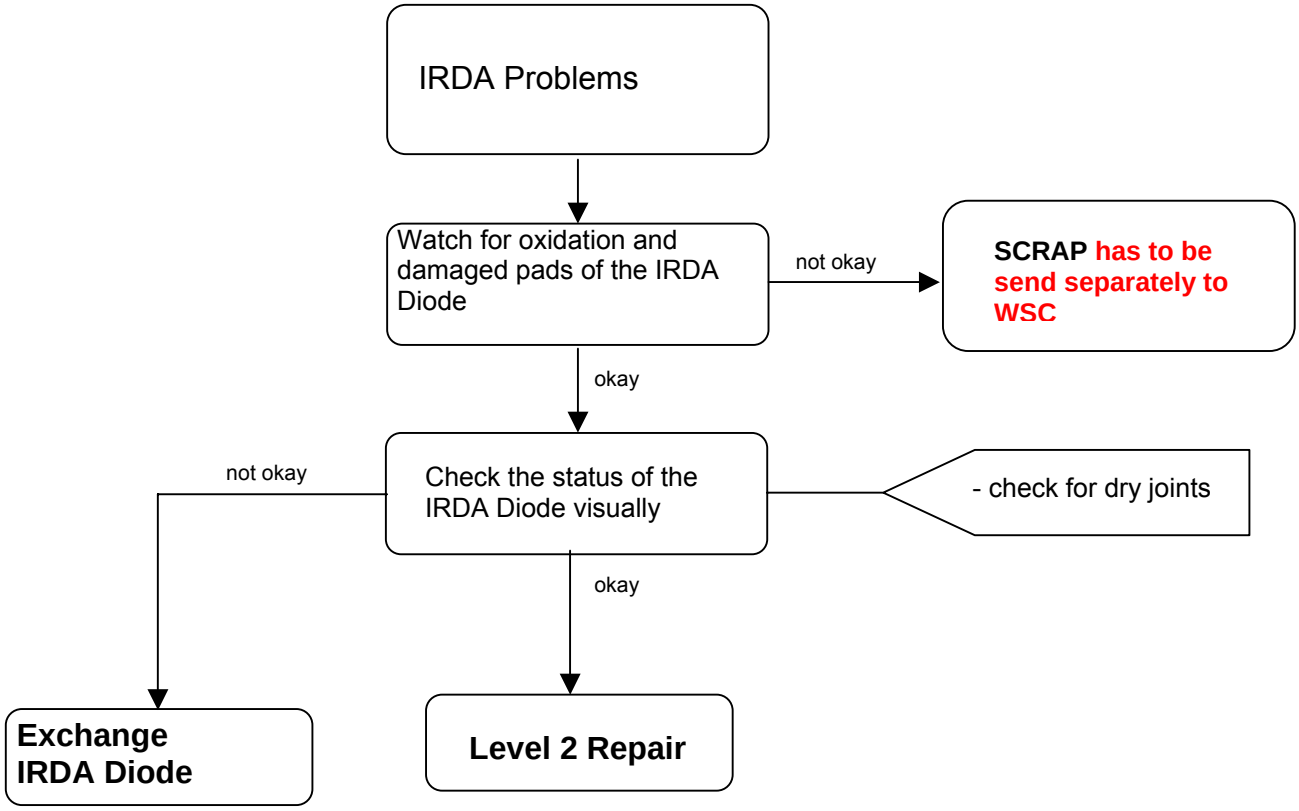


Connector DISPLAY
Use hot air blower to remove defective component. Avoid excessive heat! Watch surrounding components! Resolder new component afterwards.

E-commerce order number:	L36334-Z97-C205
E-commerce order name:	CONNECTOR DISPLAY 10POL
Soldering temperature:	~ 360°C Tip Temp.
IRIS Diagnose Code:	21000 Display / Performance 22000 Display / Background Illumination

6 IRDA Diode

Fault Symptoms	
Customer: IRDA does not work	GRT: Tbd.

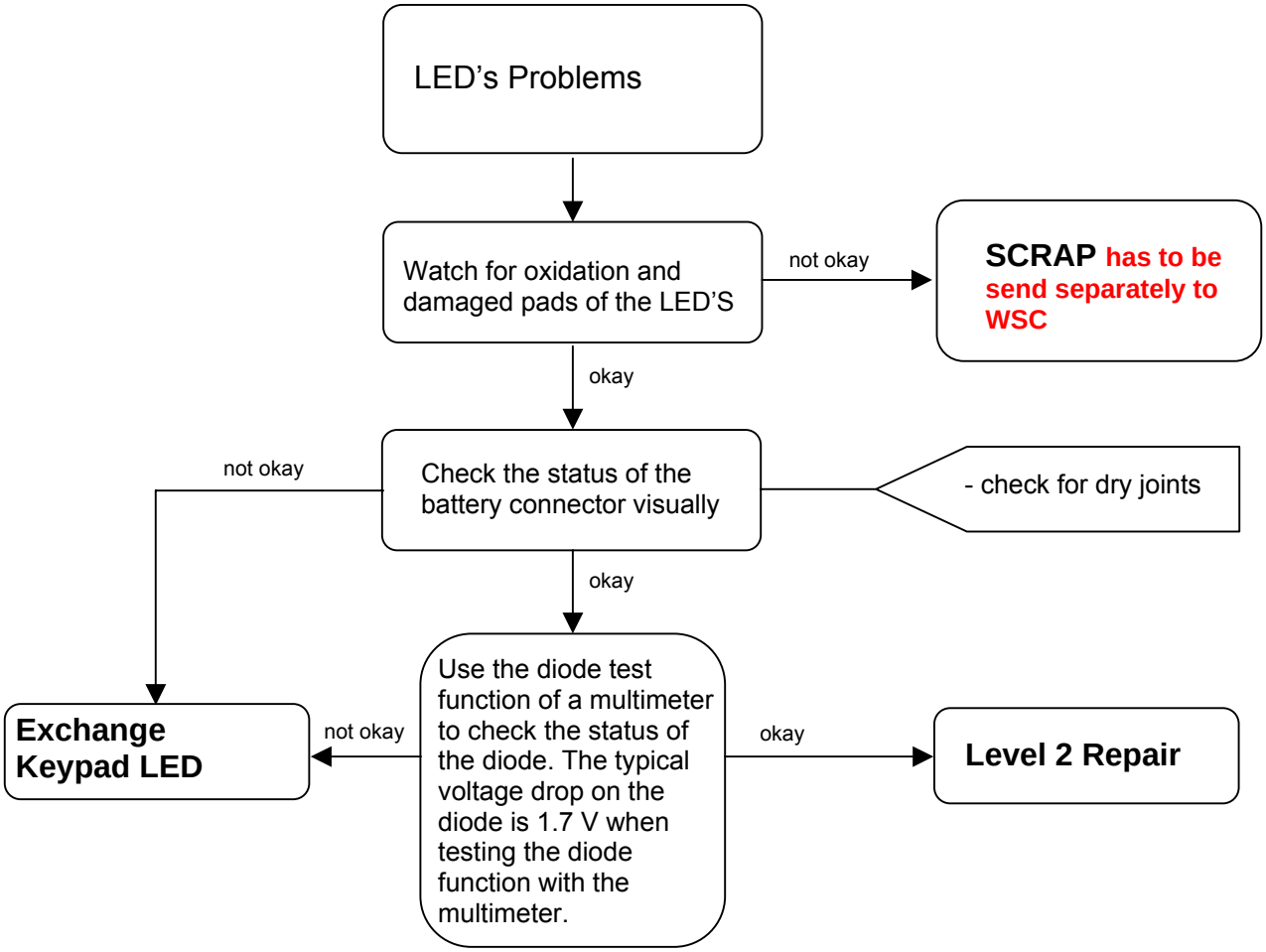


Irda Diode
Use hot air blower to remove defective component. Avoid excessive heat! Watch surrounding components!
Resolder new component afterwards.

E-commerce order number:	L36197-F5008-F492
E-commerce order name:	IRDA 115.2 KBIT
Soldering temperature:	~ 360°C Tip Temp.
IRIS Diagnose Code:	41100 Interfaces / IRDA / No Function
	41300 Interfaces / IRDA / Mechanical Damage

7 LED_ KEYPAD

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



LED_ KEYPAD
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: L36840-L2056-D670
E-commerce order name: LED AMBER
Soldering temperature: ~ 360°C Tip Temp.
IRIS Diagnose Code: 22000 Display / Background Illumination