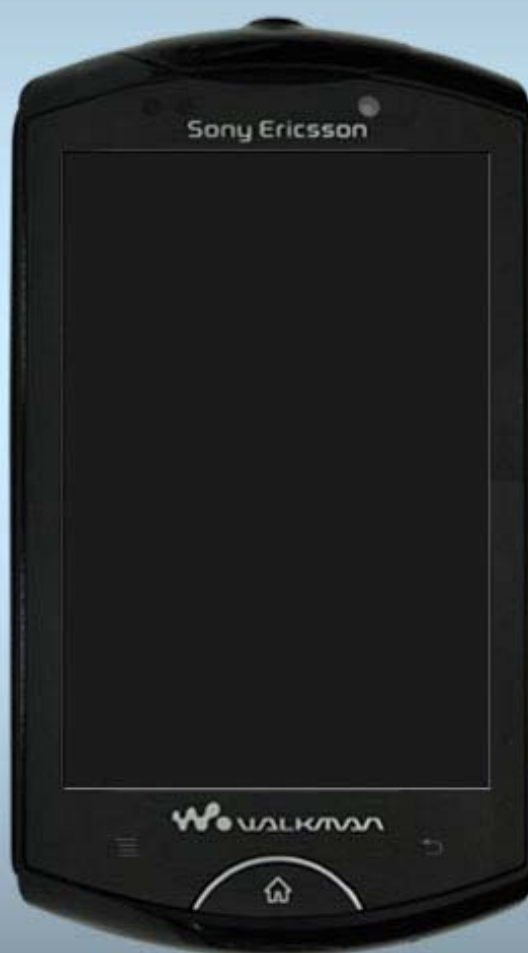




Sony Ericsson

Troubleshooting Guide

- electrical -



WT18i

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1 Troubleshooting Flow

1.1 Display

Symptom:	No display but backlight ok
Replace:	ESD1505 or ESD1506 or ESD1507 or ESD1508 or ESD1509 or ESD1510 or ESD1511 or CON1502 if damaged

Troubleshooting Flow

1.2 Illumination

Symptom:	PHF Ring LED doesn't work
Replace:	LED601 or LED602 if damaged
Symptom:	No Soft key backlight
Replace:	CON1501 if damaged
Symptom:	No Charge LED
Replace:	LED301 if damaged
Symptom:	Display ok but no backlight
Replace:	U1501 or CON1502 if damaged

Troubleshooting Flow

1.3 Keys & Sensors

Symptom: Volume key doesn't work

Replace: **CON1901** if damaged

Symptom: Walkman key doesn't work

Replace: **SW1903** if the resistance of pin1-2 is higher than 1 ohm

Symptom: Camera key doesn't work

Replace: **SW1907** if the resistance of pin1-2 is higher than 1 ohm

Symptom: On/off key doesn't work

Replace: **SW1901** if the resistance of pin1-2 is higher than 1 ohm

Symptom: Touch screen doesn't work

Replace: **CON1501** if damaged.

Symptom: Acceleration Sensor doesn't work

Replace: **U1402** if damaged

Symptom: Proximity and Light Sensor no function

Replace: **U101 or LED101 on sensor PCB** if damaged

Symptom: E-compass doesn't work

Replace: **U1403** if damaged

Troubleshooting Flow**1.4 Alert****Symptom:** Vibrator doesn't work**Replace:** **D1101** if damaged



Troubleshooting Flow

1.5 Audio

Symptom:	No or bad PHF earphone
Replace:	ESD1705 or U702 if damaged

Symptom:	No or bad PHF microphone
Replace:	ESD1709 or U702 if damaged

Symptom:	PHF can't be detected
Replace:	ESD1703 or U702 if damaged

Symptom:	MIC doesn't work
Replace:	ESD703 or ESD1710 or MIC701 or U702 if damaged

Symptom:	Upper Speaker doesn't work
Replace:	ESD705 or U704 or U702 or SP703 or SP704 if damaged

Symptom:	Lower Speaker doesn't work
Replace:	ESD704 or U703 or U702 or SP701 or SP702 if damaged

Symptom:	No or bad earphone
Replace:	ESD706 or U702 if damaged

Troubleshooting Flow

1.6 On/Off

Symptom:	Current draws greater than 300mAmps
Replace:	CON901 or U703 or U704 or U201(on main PBA) if damaged

Symptom:	Current hang when pressing power key
Replace:	L901 or L902 or L903 if damaged

Symptom:	No current draws when pressing on/off key
Replace:	CON901 if damaged

Troubleshooting Flow**1.7 Charging & Capacity**

Symptom:	Cannot charge
Replace:	ESD1601 or U1601 or CON1601 or D901 if damaged

Troubleshooting Flow**1.8 SIM**

Symptom:	SIM not detected
Replace:	CON1302 if damaged

Troubleshooting Flow**1.9 Camera****Symptom:** Main Camera preview abnormal**Replace:** **ESD1801 or ESD1802 or ESD1803 or U1501 or CON1801** if damaged**Symptom:** VGA Camera no function or Picture abnormal**Replace:** **U1501** if damaged

Troubleshooting Flow

1.10 Data Communication

Symptom:	No communication via the USB Connector, charging via USB connector is working
Replace:	ESD1604 or CON1601 if damaged
Symptom:	FM no function
Replace:	U2303 or U2304 or L2304 if damaged
Symptom:	BT / WiFi no function
Replace:	ANT2301 or U2303 or U2304 if damaged
Symptom:	GPS no function
Replace:	ANT2201 or U2201 or U2202 or U2205 or U2207 if damaged
Symptom:	CMMB no function
Replace:	U2401 or U2402 or U2403 or U2404 or ANT2401 if damaged

Troubleshooting Flow**1.11 Memory Stick / Card****Symptom:** Memory stick / Card (micro SD) not detected**Replace:** **U1501 or CON1301** if damaged

Troubleshooting Flow**1.12 Network & Signal**

Symptom:	GSM / TD-SCDMA no function
Replace:	ANT2101 or ANT2102 or ANT2103 if damaged CON2101 if the resistance between pin 1 and 2 is higher than 1 ohm



2 Revision History

Rev.	Date	Changes / Comments
1	2011-06-22	Initial release