

Component Replacement - electrical -



Xperia™ XA Ultra

F3211, F3212, F3213, F3215, F3216

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**For general information about electrical repair related issues, refer to
1220-1336: Generic Repair Manual – electrical**

**PWB package opening. Too long exposure time increase the level of moisture in PWB and the PWB could delaminate during repair process and result in direct or latent failures and reduce reliability.
The boards shall be baked in 125°C ±5°C for 4 hours.**

Test after electrical replacement: refer to 1273-1772 Mechanical Test Instruction

All Electrical components are RLC level C, Reversed Logistic Classification; See the Spare Part Handling chapter in Mechanical/Generic Repair Manual 1220-1333.

Do not remove shield can lids (Heat pasta are added and RF performance will be damaged)

1 Replaceable Components

EXPLANATION OF ABBREVIATIONS USED IN THE COLUMN 'COMMENTS' BELOW

COMPONENT LOCATION

P = Primary side

S = Secondary side

REPAIR METHOD

HA = Hot Air (removal & mounting)

ST = Soldering Tool (removal & mounting)

HA/ST = Hot Air for removal - Soldering Tool for mounting

BGA = BGA Station

BH = Bottom Heater

ADDITIONAL INFORMATION

⇒ **1** (2,3,4, etc.) = Proceed to 'Additional Repair Info' for further instructions in the indicated section(s).

Component Replacement Repair Drawing Electrical/
Primary Side

Position	Component	Part no.	Comments
ANT7002	Spring Connector	A/314-0000-01023	P HA ⇨1
ANT7003	Spring Connector	A/314-0000-01023	P HA ⇨1
ANT7004	Spring Connector	A/314-0000-01023	P HA ⇨1
ANT7011	Spring Connector	A/314-0000-01023	P HA ⇨1
CON2102	Battery Connector	A/314-0000-00884	P HA+BH / ST+BH
CON6103	LCM connector	A/314-0000-01031	P HA+BH / ST+BH
CON6202	BtB Connector Camera	A/314-0000-0098	P HA+BH / ST+BH⇨2
J6002	Audio Jack connector	A/314-0000-01007	P HA/ST⇨3
J6006	Spring connector	A/415-58880-0010	P HA+BH / ST+BH
J6007	Spring connector	A/415-58880-0010	P HA+BH / ST+BH
J6502	Vibrator connector	A/314-0000-00927	P HA/ST
J6601	Spring Connector	A/314-0000-01023	P HA
J6602	Spring Connector	A/314-0000-01023	P HA
J7001	RF CONNECTOR WITH SWITCH _4 pin	A/314-0000-00933	P HA/ST
J9301	RF Coax connector	A/314-0000-00282	P HA/ST⇨4
J9302	RF CONNECTOR WITH SWITCH _4 pin	A/314-0000-00933	P HA/ST⇨5
J9401	RF Coax connector	A/314-0000-00282	P HA/ST⇨6
J9402	RF CONNECTOR WITH SWITCH _4 pin	A/314-0000-00933	P HA/ST⇨7
J9403	RF CONNECTOR WITH SWITCH _4 pin	A/314-0000-00933	P HA/ST⇨8
J9703	RF Coax connector	A/314-0000-00282	P HA/ST
LED2303	LED Flash	A/309-0000-00276	P HA
Z9401	Spring Connector	A/314-0000-01023	P HA
Z9402	Spring Connector	A/314-0000-01023	P HA
Z9403	Spring Connector	A/314-0000-01023	P HA
Z9701	Spring Connector	A/314-0000-01023	P HA⇨9
Z9702	Spring Connector	A/314-0000-01023	P HA⇨9
Z9704	Spring Connector	A/314-0000-01023	P HA⇨9

Component Replacement Repair Drawing Electrical/
Secondary Side

Position	Component	Part no.	Comments
ANT7005	Spring Connector	A/314-0000-00924	S HA ⇨10
ANT7006	Spring Connector	A/314-0000-00924	S HA ⇨11
ANT7007	Spring Connector	A/314-0000-00924	S HA ⇨12
ANT7008	Spring Connector	A/314-0000-00924	S HA
ANT7009	Spring Connector	A/314-0000-00924	S HA ⇨13
ANT7010	Spring Connector	A/314-0000-00924	S HA
CON6201	BtB Connector Camera	A/314-0000-00986	S HA+BH / ST+BH
J2301	Spring Connector	A/314-0000-01023	S HA
J2302	Spring Connector	A/314-0000-01023	S HA
J4001	Micro SD Connector	A/314-0000-00930	S HA+BH⇨14
J6401	Mirco USB connector	A/314-0000-01008	S HA/ST
J6501	Nano SIM Card Connector Single (Single SIM)	A/314-0000-00941	S HA+BH⇨15
J6501	Nano SIM Card Connector Dual (Dual SIM)	A/314-0000-00942	S HA+BH⇨15
LED2301	LED Full Color	A/309-0000-00236	P HA
MIC6002	Microphone	A/312-0000-00046	S HA+BH
MIC6003	Microphone	A/312-0000-00046	S HA+BH
SW6502	Input Switch	A/315-0000-00086	S HA+BH / ST+BH
SW6503	Input Switch	A/315-0000-00086	S HA+BH / ST+BH
SW6504	Input Switch	A/315-0000-00086	S HA+BH / ST+BH
SW6505	Camera Switch	A/315-0000-00092	S HA+BH / ST+BH

2 Component Placing

Primary side



Secondary Side



3 Revision History

Rev.	Date	Changes / Comments
1	2016-06-10	Release