



Part List, Electrical

Applicable for F500 and K500 family

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1 Part list Main Board

Contains components that are possible to replace on the main board.

Pos. number refers to the components position number on the board, please see ***Component Placing, Electrical***.

F and B are designations for different soldering techniques. "F" means that you need to make a fence modification and "B" that BGA equipment is required for replacement. The SERP column indicates if the phone needs to be re-calibrated or not after replacement of the component.

Parts available to order will be found in the Web Shop.

NOTE! RF Calibration by using SERP can only be done by authorized repair locations.
Fence modification according to ***Working Instruction Electrical***.

Pos.	Description	Part Number	F,B	SERP	Comments
C2606	Backup capacitor	RJE 379 1335/7			
X2510	Board to Board Connector (male)	RNV 799 23	B		
N2300	Prod. Adapt. Circuit/Asic Tjatte2	ROP 101 3059/1	B		
N2400	Prod. Adapt. Circuit/Asic Knatte2	ROP 101 3037/1	B		
V2610	Transistor	RYN 122 684/1			Transistor/P-ch. Mosfet
N2310	Microcircuit/1W Opamp	RYT 101 947/1			
B2200	Quartz Crystal Unit	RTM 501 908/1			Crystal 32768Hz
V2210	Transistor/NPN	RYN 121 902/1			Transistor/NPN. Right side of D2220
V2400	Transistor/NPN	RYN 121 902/1			
V2402					
Z2450	Diode bridge/Esd Emi filter	RKZ 923 909/1			Close to J2402
H2410	Microcircuit/Infrared Transceiver	RYT 909 6002/1			
N2500	Microcircuit /Dc/Dc Converter	RYT 113 934/1			
V2550	Transistor/NPN SS 32V 100mA SOT23 hFE120-	RYN 121 6086/1			Transistor/NPN SS. Close to J2402
R2550	Resistor/1.8kohm 5% 0402 0.063W	REP 622 454/18			Close to V2550
R1310	Resistor/1.0kohm 5% 0402 0.063W	REP 622 454/1		X	
R1450					
R1451					
R2323	Resistor/1.0kohm 5% 0402 0.063W	REP 622 454/1			
R2442					
R2551					
R2730					
D2500	LED Red Side fire	RKZ 433 924/1			
J2404		RNV 799 31			
J2406	FPC connector 4pu (*2)				
X2500	FPC Connector 23pu 085	RNV 799 20			
X2600	Battery connector	SND 106 20	B		
J2401	SIM holder	RNK 860 118			
S0101	Shield can fence Radio	SXA 134 1929			
S0105	Shield can fence Baseband	SXA 134 1930			
S0102	Shield can fence PA	SXA 134 1964			
S0101 Lid	Shield can lid radio	SXA 109 4472			
S0105 Lid	Shield can lid baseband	SXA 109 4473			
S0102 Lid	Shield can lid PA	SXA 109 4500			
X1100	External Antenna Connector	RPT 799 24			
J2400	System connector	RNV 799 28			



Pos.	Description	Part Number	F,B	SERP	Comments
S2410	On off switch	RMD 101 16/2			
S2420	Joystick switch	SXA 109 2476			
X1101	Antenna connector	RPT 799 18			
N1200	Prod. Adapt. Circuit/Asic Ingela (Philips)	ROP 101 3050/1	F,B	X	
N1202	Microcircuit/Front end module GSM/DCS/PCS	RYT 901 921/1	F,B	X	
N1400	Microcircuit/MMIC PA GSM/DCS/PCS	RYT 101 930/1	F,B	X	
D1201	Herta	ROP 1013065/1	F,B	X	
N2600	Vincenne	ROP 1013057/1	F,B	X	
B1300	Quartz Crystal Unit/Crystal 13MHz 5*3,2mm	RTM 501 907/1		X	
W1400	Transformer/Balun 897MHz	REG 735 63/12		X	Close to N1200
W1410	Transformer/Balun 1810MHz	REG 735 63/22		X	Close to N1200
C1311 C1314	Capacitor/1.0nF 10% 0402 50V X/R	RJC 464 3024/1		X	Close to B1300.
C1330	Capacitor/1.0nF 10% 0402 50V X/R	RJC 464 3024/1		X	
C2211 C2400 C2401 C2432	Capacitor/1.0nF 10% 0402 50V X/R	RJC 464 3024/1			
V1300	Diode/Tuning diodeLead free	RKZ 323 905/1		X	Close to B1300.

2 Revision History

Rev.	Date	Changes / Comments
A	2004-06-30	Initial release
B	2004-07-13	Revision update due to publishing problems
C	2004-08-19	K500 Added
D	2004-09-15	Duplicate off C2606 deleted