

**TRANSCEIVER ADJUSTMENTS / TUNE-UP PROCEDURE**

There are no user accessible adjustments or tuning in this portable cellular transceiver. All necessary adjustments and tuning are performed during manufacture of the product. Any adjustments or tuning after service or repair are done as part of that process, as special equipment is required to perform such adjustments.

**PARTS LIST**

Reference Symbol	Part Number	Description
C326 C329 C625 C632 C638	SC510K04950	CER CAP,100pF_NPO_0402,50V+-5%
C105 C122 C202 C205 C206 C207 C208 C209 C501 C502 C505	SC210H045A0	CER CAP_100nF_X5R_0402_10V+-10%
C108 C636 C637 C640 C217 C601 C602	SC301I049A0	CER CAP,1nF_X7R_0402,50V+-10%
C110 C113 C211	SC410F084C0	CER CAP,10uF_Y5V_0805,6.3V_-20%~+80%
C109 C111 C112 C123 C214 C215	SC401F041C0	CER CAP,1uF_Y5V_0402,4V_-20%~+80%
C116 C117 C120 C124 C203 C204 C322 C324 C325 C327 C328 C402 C404 C406 C613 C614 C617 C629 C634 C642	SC533L04950	CER CAP,33pF_NPO_0402,50V+-5%
C114 C115 C125 C201 C603 C639	SC310I046A0	CER CAP,10nF_X7R_0402,16V+-10%
C210	SC422G064C0	CER CAP_2.2uF_Y5V_0603_6.3V_-20%~+80%
C304 C323 C615 C616 C630 C631 C641	SC510L04930	CER CAP,10pF_NPO_0402,50V+-0.5pF
C306 C307	SC133L059A0	CAPACITOR_33pF_NPO_0508_50V±10%
C605 C606	SC568N04910	CER CAP,0.68pF_NPO_0402,50V+-0.25pF
C611 C612	SC333K04950	CER CAP,330pF_0402,50V_+-5%
C618	SC539L04950	CER CAP_39pF_NPO_0402_50V±5%
C316 C317 C320 C321 C628	SC333I045A0	CER CAP,33nF_X7R_0402,10V+-10%
C635	ST622E0G5B0	TAN CAP_220uF_LESR_ESR30mΩ3
CON301	SN051248240	CONN_I/O Connector
CON302	SN0SB669040	CONN_BATTERY
CON303	SN074014400	CONN_40 pins board to board
CON401	SN0FH199090	CONN_FPC CONN_9PIN
CON601	SN0M8430060	CONNECTOR_RF Connector_6PIN
D301	SD5ZS62B260	DIODE_Zener_6.2V
ESD103 ESD104 ESD105 ESD106 ESD107 ESD201 ESD202 ESD314	SG0AVL5M040	ESD_Multiplayer chip varistor
L101 L102 L103 L104 L105 L106	SI40620607C	INDUCTOR,600Ω_Bead_0603
L601	SI227I0465B	INDUCTOR_27nH_Coil
L606 L607 L608	SI122J0452A	INDUCTOR,2.2nH_Multilayer
R103	SR003430430	PRECISE RES_34K_0402_±1%
R104	SR003320450	RES,3.3K_0402_+-5%
R107 R116	SR004710450	RES,470Ω_0402_±5%
R108 R110	SR001520450	RES,1.5K_0402_+-5%
R117	SR059030430	PRECISE RES_590K_0402_±1%
R118	SR000160450	RES,1M_0402_+-5%
R607	SR000000450	RES_0Ω_0402_±5%
R203	SR010030430	PRECISE RES_100K_0402_±1%_1/16W
R112 R205 R206 R208 R209 R311 R402 R608 R609	SR010030450	RES,100K_0402,1/16W+-5%
R207 R309 R312	SR002030450	RES_20K_0402_1/16W±5%
R403	SR007520450	RES,7.5K_0402_+-5%

R601	SR100138450	ROW RES,1K 8P4R +-5%
R602 R603	SR300061620	ATTENUATOR RES 6dB
R604	SR003030450	RSE,30K_0402,+5%
U101	SA0YM76C440	IC_Melody IC
U103	SA0ADG77220	IC_CMOS Switch-2:1 Mux0
U104	SA0T1G86220	IC-Logic gate_ Exclusive OR gate:
U202	SA0L3014130	IC_TI_IOTA
U203	S0BML414010	LITHIUM BACKUP BATTERY
U303	SN0SB069060	CONN_SIM SOCKET_6PIN
U401	SA0PS851000	IC_PHOTO IC_VCC:2.7 TO 5.5V_TPS851
U602	SA087828300	IC_Linear LDO
U603	SA004205020	IC_FOR GSM AND GPRS WIRELESS
U604	SV00026M06K	VCTCXO_26MHz_Supply Voltage
U605	SF20000210L	SAW FILTER
U606	SF20000310L	SAW FILTER
U607	SF20000410L	SAW FILTER
U608	SA0P54CA070	IC_Antenna switch module(RF\T-R SWITCH)
U609	SA01G08D030	SN74LVC1G08DCK,SOP AND GATE
R305 R306 R404 R405	SR004700430	PRECISE RES_47Ω_0402_±1%_1/16W
R307	SR002730450	RES_27K_0402_±5%_1/16W
R123	SR002230450	RES,22K_0402_+-5%,RM04JT223
L602	SI268J0475B	INDUCTOR_6.8nH
U611	SA0F31460A0	IC_Quad-Band Power AMP Module_-
X201	SX00032K080	CRYSTAL_32.768KHz
C607 C608 C609	SC512M04600	CER CAP_NPO_1.2pF_0402_16V±0.1pF
C101	SC547L04950	CER CAP,47pF_NPO_0402,50V+-5%
R114 R115 R124	SR000330450	RES_3K_0402_±5%_1/16W
R201	SR005120450	RES_5.1K_0402_±5%_1/16W
U309	SA044ANN470	IC_Super-Small Package High precision voltage
U310	SA01G32Y130	IC_Single 2 input Exclusive-OR Gate
U311 U502	SA01G08Y010	IC_Single 2 Input Positive-And Gate_-
U503	SA01G04Y010	IC_Single Inverter Gate
U504	SA0X8511220	IC_Ultra-Low Noise High PSRR_Low-Dropout
U316 U610	SA02G125010	IC_Dual Bus Buffer Gate with 3-State
C503	SC222G064A0	CER CAP_2.2uF_X5R_0603_6.3V_±10%
U201	SA051992130	IC_CALYPSO C035_wiht AMR Network DSP
L605	SI236J0675B	INDUCTOR_3.6nH_Coil_0603_700mA_±5%_D C
L603	SI262J0476C	INDUCTOR_6.2nH
LED402 403 405 406 407 408 409 411 412 413 414	SE0KP060330	LED_PURPLE/WHITE
C102 C212 C213 C216	SC247G064B0	CER CAP_4.7uF_X5R_0603_6.3V_±20%
R210	SR203330450	THERMISTOR RES_33K_0402_±5%
U304 U305	SG0MIF10130	ESD_EMI Filter
U107	SA05XR22220	Ultra-Low-Power SC70 Voltage Detector_-
U501	SA03834T130	IC_128Mbit Flash+32Mbit PSRAM
J102	MEROS42001 A	CONN_Earphone Jack_5 PIN
C104 C129	SC347J047A0	CER CAP,4700pF_0402,25V+-10%

U315	SA0M27500A0	5V Switched Capacitor voltage converter
C315 C318 C319	SC201F044B0	CER CAP_1uF_X5R_0402_6.3V_±20%
R101 R102	SR015030450	PRECISE RES_150K_0402_±5%
L604	SI168J0445A	INDUCTOR_6.8nH
C121	SC201F065A0	CER CAP_1uF_X5R_0603_10V_±10%
C624	SC575N04900	CER CAP_NPO_0.75pF_0402_50V±0.1p
U102	SA0A3212240	Micro-power_Ultra-Sensitive Hall-Effect Switch
U308	SA0400T1250	IC_Small Signal MOSFET
U301	SA04102P140	IC_Power MOSFET Dual P-Channel
C623	SI156I0425A	INDUCTOR_Multilayer_56nH
C627	SI139I0425A	INDUCTOR_Multilayer_39nH
C626	SC539M04910	CER CAP_3.9pF_NPO_0402_50V±0.25pF
C102 C103 C105	SC533L04950	CER CAP_33pF_NPO_0402_50V±5%
C106	SC510L04930	CER CAP_10pF_NPO_0402_50V±0.5pF
C107 C121 C132	SC422G064C0	CER CAP_2.2uF_6.3V_-20%~+80%
C120	SC310I046A0	CER CAP_10nF_X7R_0402_16V±10%
C123	SC347J047A0	CER CAP_4700pF_0402_25V±10%
CON101	SN062490050	CONN_BOTTOM CONN_ZIF
CON104	SN074014400	CONN_40 pins board to board
CON105	SN021FLH210	CONN_FPC CONN_21FLH-SM1-TB
L103 L104 L106 L107 L108 L109	SI40620607C	INDUCTOR_600Ω_Bead_0603_100mA±25%
L105	SI215D000AG	INDUCTOR_Coil_1.5mH_29mA±10%
R104	SR003320450	RES_3.3K_0402_+5%
R108	SR010030450	RES_100K_0402_1/16W±5%
R106 R107 R112	SR001030450	RES_10K_0402_+5%
T101	SS02114K110	TRANSISTOR_High-Current Gain Medium
D1	SE06470S3X0	LED_WHITE_3.5*3.5*1mm_-25°C~+80°C
C118 C119 C126 C127	SC201F064A0	CER CAP_1uF_X5R_0603_6.3V±10%
CON102	SN062490240	CONN_FPC CONN_24PIN
CON103	SN0FH23S390	CONN_FPC
U107	SA0D356B050	IC_Electroluminescent Lamp (EL) Driver_-
U109	SA01GT50220	IC_Single 1-Input Noninverting Buffer
ESD101 ESD102	SG0AVL5M040	ESD_Multiplayer chip varistor
L101 L102	SR000000650	RES_0Ω_0603_±5%
SPRING01	MEROS22001 A	Spring ESD_2.0*5.5*3.0mm_SD-30G
R120	SR047030450	RES_470K_0402_±5%
U102	SA013714010	IC_Mobile Graphics Engine
C112 C131	SC201F044B0	CER CAP_1uF_X5R_0402_6.3V_±20%
L110 L111	SI4221043DC	INDUCTOR_Bead_220Ω_0402_200mA±25%
C122 C134 C142 C144	SC247G064B0	CER CAP_4.7uF_X5R_0603_6.3V_±20%
R101	SR003330450	RES_33K_0402_±5%
U110	SA09328D300	IC_LDO_Ultralow-noise/high psrr/fas
C141	SC210H04550	CER CAP_100nF_0402_10V±5%
L112 R123	SR000000450	RES_0Ω_0402_±5%
U101	SA03113T050	High Efficiency 1.5X Fractional Charge Pump
U103	SA03110I220	IC_Micropower regulated charge pump
C128 C129	SC201F045B0	CER CAP_1uF_X5R_0402_10V_±20%
C143	SC247H044A0	CER CAP_470nF_X5R_0402_6.3V_±10%

R118	SR003900430	Precise Resistor, 39Ω,0402,+/-1%
R111	SR0619B0430	RES_6.19Ω_0402_±1%
	MEROS31001 A	Mylar Cap Screw
	W6401163320	SCREW_M Type_Cross Pit_W/O Washer_Pan
	MEROS11001 A	VIBRATOR_17*6*4.1mm
	MEROS16001 A	Metal Dome
	MEROS14002 A	FPC Side Key_Career
	SLT12816060	LCD Module_LCD Type:TFT_Driver
	S0C86103000	CAMERA MODULE_MB86S03 VGA CMOS
	S0M23427020	MICROPHONE
	SLF09601650	LCD Module_LCD Type:FSTN_Driver
	MEROS33007 A	Sponge Flash
	PKROS15001A	Label Water Indication
	MEROS61009 B	Assembly Rear Housing Flip-Titanium
	MEROS01006 B	Housing Flip Rear-Titanium
	MEROS04002 B	Lens Sub LCD Decoration
	MEROS33002 A	Sponge Sub LCD
	MEROS25001 A	Nut Insert
	MEROS08001 B	Lens CCD Decoration
	MEROS84002 A	Adhesive CCD Decoration Tape
	MEROS33005 A	Sponge Filp Rear
	MEROS33008 A	Sponge FPC
	METCH05001B	LOGO_Hologram Effect
	MEROS61010 B	Assembly Rear Housing Base-Titanium
	MEROS01007 B	Housing Base Rear-Titanium
	MEBAC52001A	CLIP_SIM_CARD_MATERIAL
	MEROS51006 B	Latch Battery- Titanium
	MEROS21001 A	Spring Latch
	PKROS15001A	Label Water Indication
	MEROS33009 A	Sponge RCT
	MEROS61004 B	Assembly Front Housing Base
	MEROS01001 B	Housing Base Front
	MEROS51004	Knuckle Hinge

	B	
	MEROS05001 A	Plate Nav AL
	MEROS84005 A	Adhesive Nav AL Plate
	MEROS24001 A	Hinge
	MEROS31003 A	Mylar LED Conceal
	MEROS84006 A	Adhesive Microphone
	MEROS25001 A	Nut Insert
	MEROS61002 B	Assembly Front Housing Flip
	MEROS03001 B	Housing Flip Front
	MEROS05002 A	Cover Receiver
	MEROS13001 A	Magent
	MEROS33001 A	Sponge Main Lens
	MEROS84004 A	Adhesive Main Lens
	MEROS84003 A	Adhesive Receiver Cover
	MEROS33003 A	Sponge CCD
	MEROS38001 A	Nonwoven Receiver
	MEROS61006 B	Assembly Secondary Frame
	MEROS33006 A	Sponge Secondary Frame
	MEROS62001 B	Frame Secondary LCD
	MEROS07001 B	Keypad English
	MEROS51001 B	Key Side
	MEROS51002 B	Frame Main LCD
	MEROS36001 B	Cover Audio Jack
	MEROS36002 B	Stopper Base
	MEROS14003 A	FPC Upper to Lower_AF
	MEROS33010 A	Sponge Camera
	MEROS39001 A	Conductive Gasket_EMI
	S0AROS00001	Rossini Antenna Designed by INTENNA
	MEROS04001 A	Main Lens

