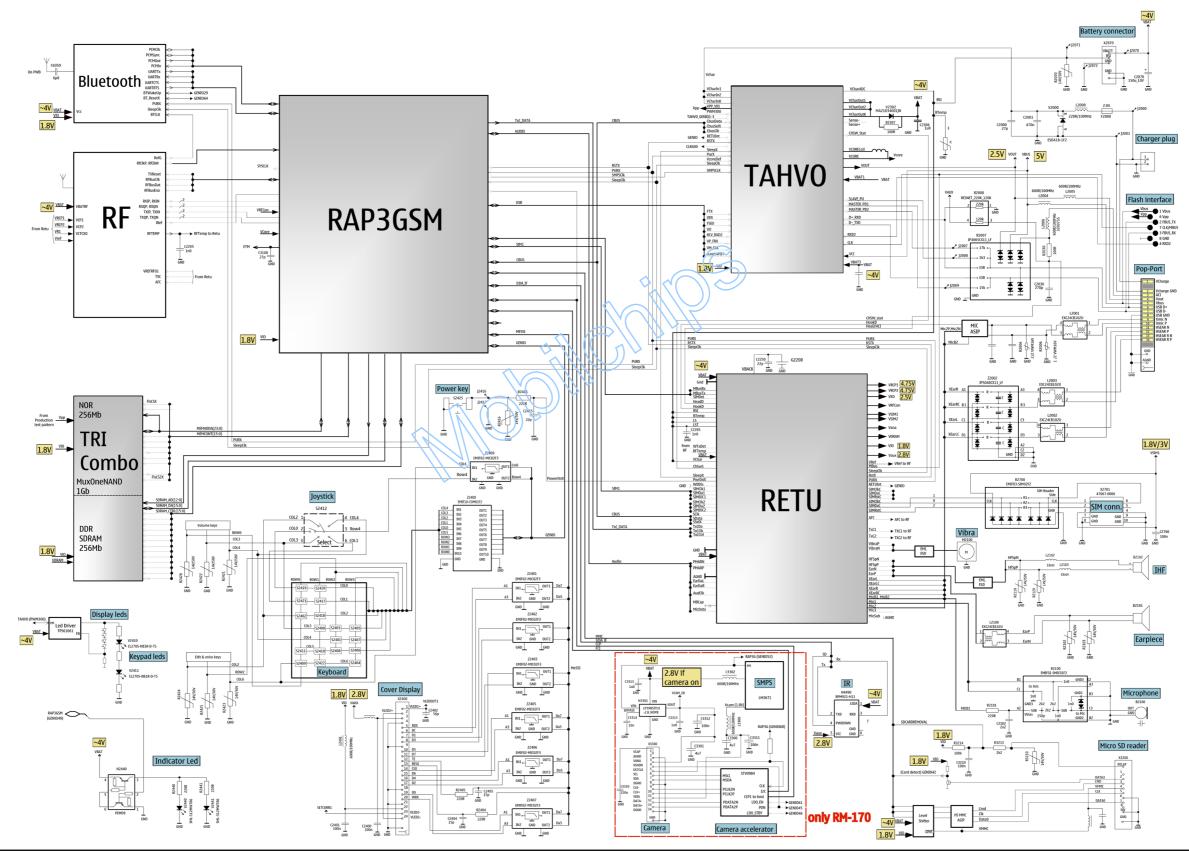
Schematics

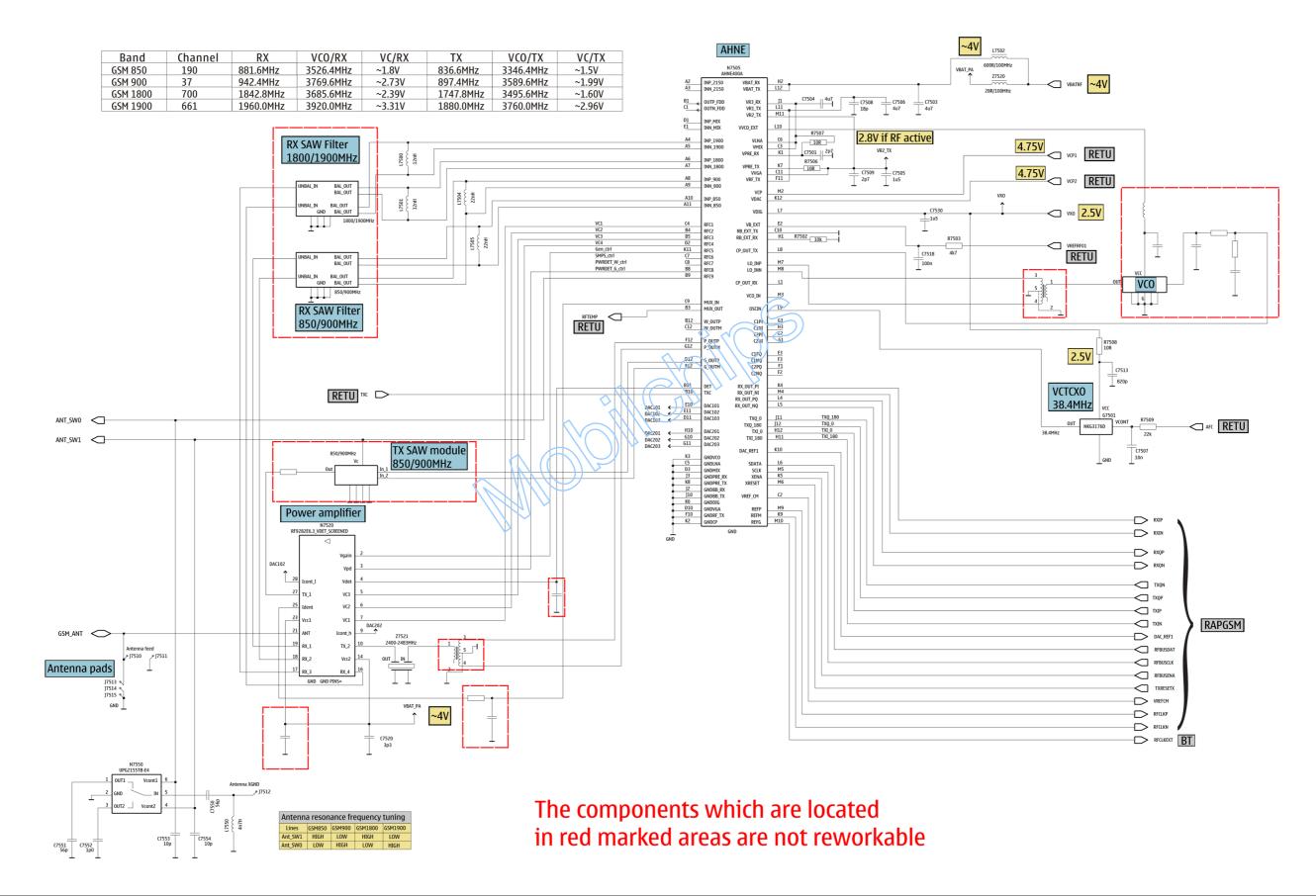
RF-BB connections



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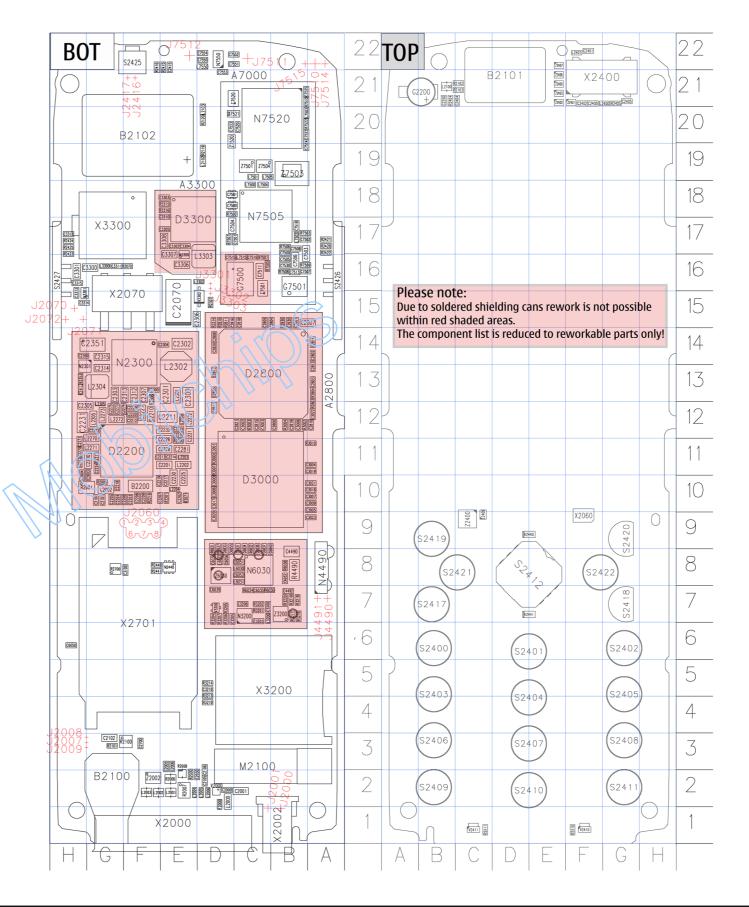
RF part





Component finder

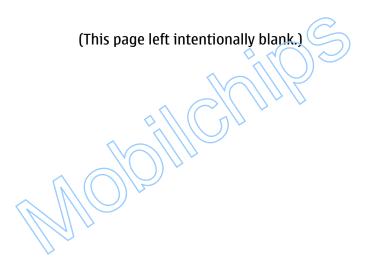
C		J2009	H3	R2119	D19
	D2	J2009 J2060	нз F9	R2119 R2120	D19
C2000	C2	J2060 J2070	<u>гэ</u> H15	R2307	D20
C2001 C2030	E2	J2070	H15	R2404	B21
C2030	E15	J2071	H15	R2404	G21
C2070	G3	J2072	F21	R2405	
C2205		J2410 J2417	F21	R2415	E22 F22
	G10				
C2206	F10	J3301	D16	R2420	A17
C2250	B21	J3302	D16	R2421	A17
C2306	E15	J3303	D15	R2422	A17
C2400	F21	J7510	A22	R2423	H17
C2401	F22	J7511	C22	R2424	H17
C2402	F21	J7512	E22	R2425	H17
C2404	C21	J7514	A22	R2440	F8
C2405	G21	J7515	B22	R2441	F8
C2415	E22	L		R2700	G8
C2700	F3	L2000	D2	R3210	D4
C3100	F8	L2001	E2	R3213	D5
C3210	D5	L2002	F2	R3214	D15
C3300	G16	L2003	F2	R7502	D18
C3301	H16	L2004	E2	R7503	B17
C3310	E18	L2005	D2	R7506	B17
C3311	G16	L2006	D2	R7507	D17
C3312	H17	L2100	B21	R7508	B16
C3313	H15	L2102	D19	R7509	B16
C3314	H15	L2103	D20	S	
C3315	H16	L2401	F22	S2412	E8
00050					
C6050	H6	L3300	G16	S2425	F22
C7501	H6 C17	L3300 L3302	D16	S2425 V	F22
C7501 C7503	C17 B17	L3302 L7500	D16 C18	∨ ∨2000	D2
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C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509	C17 B17 D17 B16 B16 B16 B16 B17 B17	L3302 L7500 L7501 L7502 L7503 L7504 L7505 L7515 L7550	D16 C18 C19 B17 B20 C18 C19 C16 D22	V2000 V2302 V2410 V2411 V2440 V2441 V2441 X	D2 D15 F1 C1 E9 E7
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C7501 C7503 C7504 C7505 C7506 C7506 C7507 C7508 C7509 C7513 C7518 C7518 C7520 C7530	C17 B17 D17 B16 B16 B16 B17 B17 B16 B17	L3302 L7500 L7501 L7502 L7503 L7504 L7505 L7515 L7550 M2100 N	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2070 X2070 X2400 X2701	D2 D15 F1 C1 E9 E7 E7 F15 F21 F6
C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509 C7513 C7518 C7520 C7520 C7530 C7550	C17 B17 D17 B16 B16 B17 B17 B17 B16 B17 C20 B16 D22	L3302 L7500 L7501 L7502 L7503 L7504 L7505 L7505 L7550 M2100 N2440	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3 C3 E8	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2070 X2070 X2400 X2701 X3200	D2 D15 F1 C1 E9 E7 E1 F15 F21
C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509 C7513 C7518 C7520 C7530 C7550 C7550 C7550 C7551	C17 B17 D17 B16 B16 B16 B17 B17 B16 B17 C20 B16 D22 D22	L3302 L7500 L7501 L7502 L7503 L7504 L7505 L7505 L7505 M2100 N2100 N2440 N3301	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3 C3 E8 H15	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2070 X2070 X2400 X2701	D2 D15 F1 C1 E9 E7 E7 F15 F21 F6
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C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509 C7513 C7518 C7520 C7530 C7550 C7550 C7551 C7552 C7553 C7554 F	C17 B17 D17 B16 B16 B16 B17 B17 B16 B17 C20 B16 D22 D22 D22 D22 D21 D22	L3302 L7500 L7501 L7502 L7503 L7504 L7505 L7505 L7550 M2100 N2440 N3301 N4490 N7505	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3 C3 E8 H15 A8 C18	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2070 X2070 X2070 X2200 X3200 X3300 Z2002 Z2400 Z7401	D2 D15 F1 C1 E9 E7 F15 F21 F6 B5 G17 F2 C9 F21
C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509 C7513 C7518 C7520 C7551 C7550 C7551 C7552 C7553 C7553 C7553 C7554	C17 B17 D17 B16 B16 B16 B17 B17 B16 B17 C20 B16 D22 D22 D22 D22 D21 D22	L3302 L7500 L7501 L7502 L7503 L7505 L7515 L7550 M2100 N2440 N3301 N4490 N7505 N7520 N7550 R	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3 C3 E8 H15 A8 C18 B20 D22	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2070 X2070 X2070 X2070 X3200 X3200 X3300 Z2002 Z2400 Z7401 Z2402	D2 D15 F1 C1 E9 E7 E1 F15 F21 F6 B5 G17 F2 C9 F21 E21
C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509 C7513 C7518 C7520 C7530 C7551 C7552 C7553 C7554 C7553 C7554 F2000	C17 B17 D17 B16 B16 B16 B17 B17 B16 B17 C20 B16 D22 D22 D22 D22 D22 D22 D22 D22	L3302 L7500 L7501 L7502 L7503 L7504 L7505 L7515 L7515 L7550 M2100 N2440 N3301 N4490 N7505 N7520 N7550 R2006	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3 C3 C3 C3 E8 H15 A8 C18 B20 D22 E2	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2070 X2070 X2070 X2070 X3200 X3300 Z2002 Z2400 Z7401 Z2402 Z2403	D2 D15 F1 C1 E9 E7 E1 F15 F21 F6 B5 G17 F2 G17 F2 C9 F21 E21 E21
C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509 C7513 C7518 C7520 C7551 C7552 C7553 C7552 C7553 C7554 F2000 G2200	C17 B17 D17 B16 B16 B16 B17 B17 B16 B17 C20 B16 D22 D22 D22 D22 D22 D22 D22 D22	L3302 L7500 L7501 L7502 L7503 L7505 L7515 L7550 M2100 N2440 N3301 N4490 N7505 N7520 N7550 R	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2070 X2070 X2070 X2070 X3200 X3200 X3300 Z2002 Z2400 Z7401 Z2402	D2 D15 F1 C1 E9 E7 F15 F21 F6 B5 G17 F2 C9 F21 E21 E21 E21
C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509 C7513 C7518 C7518 C7550 C7551 C7552 C7553 C7552 C7553 C7554 F2000 G2200	C17 B17 D17 B16 B16 B16 B17 B17 B16 B17 C20 B16 D22 D22 D22 D22 D22 D22 D22 D22	L3302 L7500 L7501 L7502 L7503 L7504 L7505 L7515 L7515 L7550 M2100 N2440 N3301 N4490 N7505 N7520 N7550 R2006	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3 C3 C3 C3 E8 H15 A8 C18 B20 D22 E2	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2070 X2070 X2070 X2070 X3200 X3300 Z2002 Z2400 Z7401 Z2402 Z2403	D2 D15 F1 C1 E9 E7 E1 F15 F21 F6 B5 G17 F2 G17 F2 C9 F21 E21 E21
C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509 C7513 C7518 C7518 C7550 C7551 C7552 C7553 C7552 C7553 C7554 F2000 G2200	C17 B17 D17 B16 B16 B17 B17 B17 B16 B17 C20 B16 D22 D22 D22 D22 D22 D22 D22 D22 D22 D2	L3302 L7500 L7501 L7502 L7503 L7504 L7505 L7505 L7550 M2100 N3301 N4490 N7505 N7520 N7550 R2006 R2007	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2000 X2200 X2701 X3200 X3300 Z22002 Z2400 Z7401 Z2402 Z2403 Z7405	D2 D15 F1 C1 E9 E7 F15 F21 F6 B5 G17 F2 C9 F21 E21 E21 E21
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C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509 C7513 C7518 C7518 C7550 C7551 C7552 C7553 C7555 C7553 C7554 F2000 G2200 G2200 G7501 J1490 J1491	C17 B17 D17 B16 B16 B17 B17 B17 B17 B16 B17 C20 B16 D22 D22 D22 D22 D22 D22 D22 D22 D22 D2	L3302 L7500 L7501 L7502 L7503 L7504 L7505 L7505 L7515 L7550 M2100 N3301 N2440 N3301 N4490 N7505 N7520 N7550 R2006 R2007 R2008 R2030 R2070	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2200 X2200 X2200 X3300 Z22002 Z2400 Z7401 Z2402 Z2403 Z7405 Z7406 Z7407 Z2409	D2 D15 F1 C1 E9 E7 F15 F21 F6 B5 G17 F2 G17 F2 C9 F21 E21 E21 E21 E21 E21 E22 C9
C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509 C7513 C7518 C7550 C7551 C7552 C7553 C7555 C7550 C7500	C17 B17 D17 B16 B16 B17 B17 B17 B17 B16 B17 C20 B16 D22 D22 D22 D22 D22 D22 D22 D22 D22 D2	L3302 L7500 L7501 L7502 L7503 L7505 L7505 L7515 L7550 M2100 N7500 N7520 N7550 N7520 N7550 R2006 R2007 R2008 R2000 R2000 R2010	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2070 X2400 X2200 X3300 Z22002 Z2400 Z7401 Z2402 Z2403 Z7405 Z7405 Z7406 Z7407 Z2409 Z7520	D2 D15 F1 C1 E9 E7 F15 F21 F6 B5 G17 F2 C9 F21 E21 E21 E21 E21 E21 E21 E22 C9 D20
C7501 C7503 C7504 C7505 C7506 C7507 C7508 C7509 C7513 C7518 C7520 C7551 C7552 C7552 C7555 C7550 C7500	C17 B17 D17 B16 B16 B17 B17 B17 B17 B16 B17 C20 B16 D22 D22 D22 D22 D22 D22 D22 D22 D22 D2	L3302 L7500 L7501 L7502 L7503 L7505 L7505 L7515 L7550 M2100 N7505 N7520 N7550 N7550 R2006 R2007 R2008 R2000 R2000 R2010 R2101	D16 C18 C19 B17 B20 C18 C19 C16 D22 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3 C3	V2000 V2302 V2410 V2411 V2440 V2441 X2000 X2070 X2400 X2200 X3300 Z22002 Z2400 Z7401 Z2402 Z2403 Z7405 Z7405 Z7406 Z7407 Z2409 Z7520	D2 D15 F1 C1 E9 E7 F15 F21 F6 B5 G17 F2 C9 F21 E21 E21 E21 E21 E21 E21 E22 C9 D20





Nokia Customer Care







A/D-converter	Analog-to-digital converter	
ACI	Accessory Control Interface	
ADC	Analog-to-digital converter	
ADSP	Application DPS (expected to run high level tasks)	
AGC	Automatic gain control (maintains volume)	
ALS	Ambient light sensor	
AMSL	After Market Service Leader	
ARM	Advanced RISC Machines	
ARPU	Average revenue per user (per month or per year)	
ASIC	Application Specific Integrated Circuit	
ASIP	Application Specific Interface Protector	
B2B	Board to board, connector between PWB and UI board	
BB	Baseband	
BCO2	Bluetooth module made by CSR	
BIQUAD	Bi-quadratic ,type of filter function)	
BSI	Battery Size Indicator	
BT	Bluetooth	
CBus	MCU controlled serial bus connected to UPP_WD2,UEME and Zocus	
ССР	Compact Camera Port	
CDSP	Cellular DSP (expected to run at low levels)	
CLDC	Connected limited device configuration	
CMOS	Complimentary metal-oxide semiconductor circuit (low power consumption)	
COF	Chip on Foil	
COG	Chip on Glass	
CPU	Central Processing Unit	
CSR	cambridge silicon radio	
CSTN	Color Super Twisted Nematic	
CTSI	Clock Timing Sleep and interrupt block of Tiku	
CW	Continuous wave	
D/A-converter	Digital-to-analouge converter	
DAC	Digital-to-analouge converter	
DBI	Digital Battery Interface	
DBus	DSP controlled serial bus connected between UPP_WD2 and Helgo	
DCT-4	Digital Core Technology	
DMA	Direct memory access	
DP	Data Package	

DPLL	Digital Phase Locked Loop	
DSP	Digital Signal Processor	
DtoS	Differential to Single ended	
EDGE	Enhanced data rates for global/GSM evaluation	
EGSM	Extended GSM	
EM	Energy management	
ЕМС	Electromagnetic compability	
EMI	Electromagnetic interference	
ESD	Electrostatic discharge	
FCI	Functional cover interface	
FPS	Flash Programming Tool	
FR	Full rate	
FSTN	Film compensated super twisted nematic	
GND	Ground, conductive mass	
GPIB	General-purpose interface bus	
GPRS	General Packet Radio Service	
GSM	Group Special Mobile/Global System for Mobile communication	
HF	Hands free	
HFCM	Handsfree Common	
HS	Handset	
HSCSD	High speed circuit switched data (data transmission connection faster than GSM)	
HW	Hardware	
I/0	Input/Output	
IBAT	Battery current	
IC	Integrated circuit	
ICHAR	Charger current	
IF	Interface	
IHF	Integrated hands free	
IMEI	International Mobile Equipment Identity	
IR	Infrared	
IrDA	Infrared Data Associasion	
ISA	Intelligent software architecture	
JPEG/JPG	Joint Photographic Experts Group	
LCD	Liquid Crystal Display	
LDO	Low Drop Out	
LED	Light-emitting diode	

MCUMicro Controller Unit (microprocessor)MCUMultiport control unitMIC, micMicrophoneMIDPMobile Information Device ProfileMINMobile Information Device ProfileMINMobile Information persecondMMCMultimedia cardMMSMultimedia messaging serviceNTCNegative temperature coefficient, temperature sensitive resistor used as a temperature sensorOMAObject management architechtureOMAPOperations, maintenance, and administartion partOpampOperational AmplifierPAPower amplifierPDAPocket Data ApplicationPDAPersonal digital assistantPDAPorgram/Data RAM (on chip in Tiku)PhoenixSoftware tool of DCT4.xPIMPersonal Information ManagementPLLPhase locked loopPM(Phone) Perimanent memoryPUPGeneral Purpose IO (PIO), USARTS and Pulse Width ModulatorsPURXPower-up resetPWMPulse width modulationRc-filterResistance-Capacitance filterRFRadio FrequencyRF Badio FrequencyRF Badio Serial control Bus For RFRSKRight Soft KeyRS-MMCReduced size Multi Media CardRSSIReectiving signal strength indicatorRSIReal Time Clock (provides date and time)RXRadio Receiver	LPRF	Low Power Radio Frequency	
MIC, micMicrophoneMIDPMobile Information Device ProfileMINMobile identification numberMIPSMillion instructions per secondMMCMultimedia cardMMSMultimedia messaging serviceNTCNegative temperature coefficient, temperature sensitive resistor used as a temperature sensorOMAObject management architechtureOMAOperations, maintenance, and administartion partOpampOperational AmplifierPAPower amplifierPDAPocket Data ApplicationPDAPorgram/Data RAM (on chip in Tiku)PhoenixSoftware tool of DCT4.xPIMPersonal Information ManagementPLLPhase locked loopPM(Phone) Permanent memoryPUPGeneral Purpose IO (PIO), USARTS and Pulse Width ModulatorsPURXPower-up resetPWMPulse width modulationRC-filterResistance-Capacitance filterRFRadio FrequencyRF PopPort TMReduced function PopPortTM interfaceRFSLReid control Bus For RFRSLRight Soft KeyRSLReceiving signal strength indicatorRSTReset SwitchRTCReal Time Clock (provides date and time)	МСИ	Micro Controller Unit (microprocessor)	
MIDPMobile Information Device ProfileMINMobile identification numberMIPSMillion instructions per secondMMCMultimedia cardMMSMultimedia messaging serviceNTCNegative temperature coefficient, temperature sensitive resistor used as a temperature sensorOMAObject management architechtureOMAPOperations, maintenance, and administartion partOpampOperational AmplifierPAPower amplifierPDAPocket Data ApplicationPDAPorgram/Data RAM (on chip in Tiku)PhoenixSoftware tool of OCT4.xPIMPrisse locked loopPM(Phone) Permanent memoryPUPGeneral Purpose IO (PIO), USARTS and Pulse Width ModulatorsPURXPower-up resetPWBPrinted Wiring BoardPWMPulse width modulationRC-filterRadio FrequencyRFRadio FrequencyRFRadio FrequencyRFRadio FrequencyRFSerial control Bus For RFRSKRight Soft KeyRSIReceiving signal strength indicatorRSTReest SwitchRTCReal Time Clock (provides date and time)	МСИ		
MINMobile identification numberMIPSMillion instructions per secondMMCMultimedia cardMMSMultimedia messaging serviceNTCNegative temperature coefficient, temperature sensitive resistor used as a temperature sensorOMAObject management architechtureOMAPOperational AmplifierPAPower amplifierPDAPocket Data ApplicationPDAPorgram/Data RAM (on chip in Tiku)PhoenixSoftware tool of OCT4.xPIMPersonal Information ManagementPLLPhase locked loopPM(Phone) Permanent memoryPUPGeneral Purpose 10 (PIO), USARTS and Pulse Width ModulatorsPURXPower-up resetPWBPrinted Wiring BoardPWMPulse width modulationRF PopPort TMReduced function PopPortTM interfaceRF PopPort TMReduced function PopPortTM interfaceRFSLRight Soft KeyRSKRight Soft KeyRSTReset SwitchRTCReal Time Clock (provides date and time)	MIC, mic	Microphone	
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PDAPersonal digital assistantPDRAMProgram/Data RAM (on chip in Tiku)PhoenixSoftware tool of DCT4.xPIMPersonal Information ManagementPLLPhase locked loopPM(Phone) Permanent memoryPUPGeneral Purpose IO (PIO), USARTS and Pulse Width ModulatorsPURXPower-up resetPWBPrinted Wiring BoardPWMPulse width modulationRC-filterResistance-Capacitance filterRFRadio FrequencyRF PopPort TMReduced function PopPortTM interfaceRFBUSSerial control Bus For RFRSKRight Soft KeyRSSIReceiving signal strength indicatorRSTReset SwitchRTCReal Time Clock (provides date and time)	РА	Power amplifier	
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PhoenixSoftware tool of DCT4.xPIMPersonal Information ManagementPLLPhase locked loopPM(Phone) Permanent memoryPUPGeneral Purpose IO (PIO), USARTS and Pulse Width ModulatorsPURXPower-up resetPWBPrinted Wiring BoardPWMPulse width modulationRC-filterResistance-Capacitance filterRFRadio FrequencyRF PopPort TMReduced function PopPortTM interfaceRFBUSSerial control Bus For RFRSKRight Soft KeyRS-MMCReceiving signal strength indicatorRSTReset SwitchRTCReal Time Clock (provides date and time)	PDA	Personal digital assistant	
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RF PopPort TMReduced function PopPortTM interfaceRFBUSSerial control Bus For RFRSKRight Soft KeyRS-MMCReduced size Multi Media CardRSSIReceiving signal strength indicatorRSTReset SwitchRTCReal Time Clock (provides date and time)	RC-filter	Resistance-Capacitance filter	
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RSKRight Soft KeyRS-MMCReduced size Multi Media CardRSSIReceiving signal strength indicatorRSTReset SwitchRTCReal Time Clock (provides date and time)	RF PopPort TM	Reduced function PopPortTM interface	
RS-MMCReduced size Multi Media CardRSSIReceiving signal strength indicatorRSTReset SwitchRTCReal Time Clock (provides date and time)	RFBUS	Serial control Bus For RF	
RSSIReceiving signal strength indicatorRSTReset SwitchRTCReal Time Clock (provides date and time)	RSK	Right Soft Key	
RST Reset Switch RTC Real Time Clock (provides date and time)	RS-MMC	Reduced size Multi Media Card	
RTC Real Time Clock (provides date and time)	RSSI	Receiving signal strength indicator	
	RST	Reset Switch	
RX Radio Receiver	RTC	Real Time Clock (provides date and time)	
	RX	Radio Receiver	

SARAM	Single Access RAM	
SAW filter	Surface Acoustic Wave filter	
SDRAM	Synchronous Dynamic Random Access Memory	
SID	Security ID	
SIM	Subscriber Identity Module	
SMPS	Switched Mode Power Supply	
SNR	Signal-to-noice ratio	
SPR	Standard Product requirements	
SRAM	Static random access memory	
STI	Serial Trace Interface	
SW	Software	
SWIM	Subscriber/Wallet Identification Module	
тсхо	Temperature controlled Oscillator	
Tiku	Finnish for Chip, Successor of the UPP, Official Tiku3G	
ТХ	Radio Transmitter	
UART	Universal asynchronous receiver/transmitter	
UEME	Universal Energy Management chip (Enhanced version)	
UEMEK	See UEME	
UI	User Interface	
UPP	Universal Phone Processor	
UPP_WD2	Communicator version of DCT4 system ASIC	
USB	Universal Serial Bus	
VBAT	Battery voltage	
VCHAR	Charger voltage	
VCO	Voltage controlled oscillator	
VCTCX0	Voltage Controlled Temperature Compensated Crystal Oscillator	
VCXO	Voltage Controlled Crystal Oscillator	
Ур-р	Peak-to-peak voltage	
VSIM	SIM voltage	
WAP	Wireless application protocol	
WD	Watchdog	
XHTML	Extensible hypertext markup language	
Zocus	Current sensor, (used to monitor the current flow to and from the battery)	