

DESCRIPTION OF ACTIVE DEVICES

COMPONENT
DESIGNATION

FUNCTION OF DEVICE

TRANSMITTER

Z111	1900 MHz Circulator
N113	GAAS FET RF Switch
Z101	800 MHz Duplexer Filter
N500	GAAS FET RF Switch
Z500	800 MHz Transmit SAW Filter
Z501	SAW Filter
N501	Amplifier and Mixer IC
Z502	1900 MHz Saw Filter
V1309	Switching Transistor
V601	Switching Transistor
N601	Dual Band Power Amplifier
V111	Detector Diode
V113	Detector Diode
Z110	Isolator, 800 MHz
Z100	Diplexer

RECEIVER

Z802	1900 MHz Ceramic Filter
N200	Dual band LNA/Mixer ASIC
Z200	1900 SAW Filter
V1313	Switching Transistor
Z201	800 MHz SAW Filter
Z803	Crystal Filter
V300	Tuning Diode
N300	Receiver IF IC
Z300	Filter, 600 kHz
Z301	Filter, 600 kHz

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SYNTHESIZER

N401	Synthesizer/ Modulator IC
N400	VCO Module
V400, V401	FET Amplifier
V402	Tuning Diode
N1302	19.44MHz Oscillator Module

COMPONENT
DESIGNATION

FUNCTION OF DEVICE

BASEBAND

N700,N701,N702,N1000	Voltage Regulators
V1314, V1315	Transmit Protection transistors
V702, V701	Transmit Bias switching transistors
D801	OR Gate
V802, V1310	Mixer Bias switching transistors
V801, V803	RF bias switching transistors
Z800, Z801	Filters
D900	Microprocessor
V1317	Clock buffer
D904	Digital Signal Processor
D1000	Audio Processor
V1000	Switching transistors
V1002	Diode clipper
V1308	Diode OR gate
H1314	Liquid Crystal Display
V1306	Hall Effect Bias switching transistor
N1300	Hall Effect Device
V1302	Light Emitting Diodes (LED)
V1307	Vibrator bias switching transistor
V1301	LED bias switching transistor
H1300-1313	LEDs
V1200, V1201	Diode Clippers
N1100	Battery Charging ASIC
V1100	Charging FET
V1316, V1318	Charging switching transistors
D901, D903, D905	Memories