
DESCRIPTION OF ACTIVE DEVICES

COMPONENT
DESIGNATIONFUNCTION OF DEVICE**TRANSMITTER**

N100	GAAS FET RF Switch (not placed)
N101	GAAS FET RF Switch
N102	GAAS FET RF Switch
N500	GAAS FET RF Switch (not placed)
N501	Amplifier and Mixer IC (not placed)
N601	Dual Band Power Amplifier
U2063	Switching Transistor
V111	Detector Diode
V113	Detector Diode (not placed)
V100	LDMOS 900MHz Power Amplifier
V1309	Switching Transistor (not placed)
Z100	Diplexer (not placed)
Z101	800 MHz Duplexer Filter
Z110	Isolator, 800 MHz
Z111	1900 MHz Circulator (not placed)
Z500	800 MHz Transmit SAW Filter
Z501	SAW Filter (not placed)
Z502	1900 MHz Saw Filter (not placed)

RECEIVER

N200	Dual band LNA/Mixer ASIC (not placed)
N551	Receiver IF IC
N854	LNA/Mixer ASIC
U2063	Switching Transistor
V551	Tuning Diode
V1313	Switching Transistor (not placed)
Z200	1900 SAW Filter (not placed)
Z201	800 MHz SAW Filter
Z802	1900 MHz Ceramic Filter (not placed)
Z803	Crystal Filter

SYNTHESIZER

N400	VCO Module
N401	Synthesizer/ Modulator IC
U4	19.44MHz Oscillator Module
V400	FET Amplifier (not placed)
V401	FET Amplifier
V402	Tuning Diode

DESCRIPTION OF ACTIVE DEVICES

<u>COMPONENT DESIGNATION</u>	<u>FUNCTION OF DEVICE</u>
<u>BASEBAND</u>	
D1	Hex Inverter
D151, D152, D153	Memories
D201	Digital Signal Processor
D251	Audio Processor
D451, D452, D454	Inverter gate (not placed)
D453	NAND gate (not placed)
D455	OR gate (not placed)
D855	Microprocessor
D856, D857	OR Gate
N51	Battery Charging ASIC
N52, N251, N851, N852, N853	Voltage Regulators
N855 (a.k.a. V1323)	Voltage Regulator
V1, V2, V3, V302, V303	Diode Clippers
V4, V301, V452, V453, V491	switching transistors
V492, V902, V903, V904	switching transistors
V1316, V1320, U2062	switching transistors
V451	switching transistor (not placed)
U2061, U2068, V901	Switching FET
V905	diode
V1321	zener diode
V1322	Impedance buffer transistor