

Function of RF Semiconductors & Other Active Devices

Schematic Key	Device Type	Circuit Application	Source
D100	PIN diode	RF Switch	MACOM
D101	PIN diode	RF Switch	Motorola
Q100	MOSFET	RF Final Amplifier	C-MAC America
U101	IC	RF Driver Amplifier	Motorola
U102	IC	RF Power Control IC	Motorola
VR101	IC	Temperature Sensor	National
Semiconductor			
CR201	Varactor	Oscillator Tuning	Toshiba
CR202	Varactor	Oscillator Tuning	Toshiba
CR211	Varactor	Oscillator Tuning	Toshiba
D201	Diode	Voltage Multiplier	Motorola
Q201	BJT	Buffer Amplifier	Hewlett Packard
Q202	JFET	Oscillator	Philips
Q203	JFET	Oscillator	Philips
Q204	JFET	Oscillator	Philips
U203	Varactor	Oscillator Tuning	Toshiba
U204	IC	Voltage regulator	Analog Devices
U205	IC	Frequency Synthesizer IC	Atmel
U207	Dual BJT	DC Switching	Rohm
CR301	Varactor	Oscillator tuning	Toshiba
Q301	BJT	Oscillator	Hewlett Packard
U301	Dual gate MOSFET	IF amplifier	Philips
U302	IC	Inverter	Toshiba
U303	IC	Receiver Backend IC	Motorola
Q400	MOSFET	DC switching	Philips
Q403	BJT	DC switching	Motorola
Q405	Dual BJT	DC switching	Rohm
Q410	Dual BJT	DC switching	Rohm
Q416	MOSFET	DC switching	Philips
U400	IC	Voltage Regulator	National
Semiconductor			
U404	IC	Audio Processing	Atmel
U407	IC	EEPROM	Atmel
U405	IC	Static RAM	Mitsubishi
U406	IC	Flash ROM	Atmel
U409	IC	Microprocessor	Motorola
U410	IC	Voltage regulator	Impala Linear
U420	IC	Audio Power Amplifier	Philips
CR502	Dual BJT	LED Driver	Rohm
CR503	Dual LED	Operator Interface	Stanley
D501	Schottky ring quad diode	Mixer	Hewlett Packard
D502	Dual Schottky diode	Amplitude Limiter	Motorola
Q509	BJT	Preamp	Hewlett Packard
Q601	BJT	DC Switching	Motorola
Q602	BJT	DC Switching	Motorola
Q603	BJT	DC Switching	Motorola
Q604	BJT	DC Switching	Motorola
U602	IC	Comparator	Motorola
U604	Dual BJT	DC Switching	Rohm
	Display Module	User Interface	Optrex

COMMENTS: The Motorola designators are special code numbers for active devices used in Motorola radios. These devices are either identical or derived from the device family listed under Source, by the manufacturer or are proprietary to Motorola. Service people do not have access to any cross-references or given any information on proprietary devices and are prevented from making unauthorized substitution.

EXHIBIT 5