

Function of RF Semiconductors & Other Active Devices

Schematic Key	Device Type	Circuit Application	Source
CR3301	Schottky Ring Quad Diode	Mixer	Hewlett Packard
CR3303	Diode	Limiter	Motorola
CR503	Dual LED	Operator Interface	Stanley
D3270	Varactor Diode	Oscillator Tuning 2nd LO	Toshiba
D3301	Varactor Diode	Bandpass Filter Tuning	Siemens
D3302	Varactor Diode	Bandpass Filter Tuning	Siemens
D3521	Pin Diode	RX/TX Switching	Macom
D3551	Pin Diode	RX/TX Switching	Macom
D3701	Diode	Voltage Multiplier	ROHM
D3702	Diode	Voltage Multiplier	ROHM
D3761	Varactor Diode	Oscillator Tuning	Sony
D3821	Varactor Diode	Oscillator Tuning	Toshiba
D3831	Varactor Diode	Oscillator Tuning	Toshiba
D3832	Varactor Diode	Oscillator Tuning	Toshiba
Q3200	BJT	IF Amplifier	Motorola
Q3201	BJT	AGC	Motorola
Q3270	BJT	2nd IF Oscillator	Phillips
Q3301	BJT	AGC	Motorola
Q3302	BJT	Preamplifier	Motorola
Q3501	MOSFET	RF Final Amplifier	Motorola
Q3561	BJT	DC Switching	Motorola
Q3721	Dual BJT	DC Switching	ROHM
Q3801	BJT	LO Buffer	Motorola
Q400	MOSFET	DC Switching	Phillips
Q403	BJT	DC Switching	Motorola
Q405	Dual BJT	DC Switching	ROHM
Q410	Dual BJT	DC Switching	ROHM
Q416	MOSFET	DC Switching	Phillips
Q502	DUAL BJT	LED Driver	ROHM
Q505	BJT	DC Switching	Motorola
U3201	IC	3.3V Regulator VDDA	Analog Devices
U3220	IC	Receiver backend IC	Motorola
U3501	IC	RF Driver Amplifier	Motorola
U3502	IC	RF Power Control IC	Motorola
U3503	IC	Temperature Sensor	National Semiconductor
U3701	IC	Frequency Synthesizer IC	Atmel
U3711	IC	Voltage Regulator 5V	Analog Devices
U3801	IC	VCO Buffer IC	Phillips
U400	IC	Voltage Regulator VDDD	National Semiconductor
U404	IC	Audio Processing	ATMEL
U405	IC	Static RAM	Mitsubishi
U406	IC	Flash ROM	ATMEL
U407	IC	EEPROM	ATMEL
U409	IC	Microprocessor	Motorola
U410	IC	Voltage Regulator	Impala Linear
U420	IC	Audio Power Amplifier	Phillips
Y3200	Crystal Filter	IF Filter	Motorola
Y3761	Crystal Oscillator	Reference Oscillator	Motorola

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

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