

Function of RF Semiconductors and Other Active Devices

Schematic Key	Device Type	Circuit Application	Operation Frequency
<u>BASE RADIO CONTROL MODULE</u>			
Y3800	Crystal Oscillator	Voltage Controlled Crystal Oscillator	16.8 MHz
U3803	MC145170	Synthesizer IC	5 / 16.8 MHz
U3805	MC74HC4066	Analog Switch for Steering Line Control	DC
U3807	MAX999	Comparator Center Slicer	16.8 MHz
Q3800	MMBT3904LT1	Single to Differential Amplifier	2.1 MHz
Q3801	MMBT3904LT1	Single to Differential Amplifier	2.1 MHz
Q3802	MMBT3904LT1	VCO Buffer Amplifier	16.8 MHz
U2400	AMI5G3	ASIC gate Array TISIC 2	2.1 MHz
<u>EXCITER MODULE</u>			
Q3002	MMBT3904	Digital Data Driver	4.8 MHz
Q3003	MMBT3904	Digital Data Driver	4.8 MHz
U3000	SN65176B	Digital Data Driver	4.8 MHz
U3001	SN65176B	Digital Data Clock Driver	4.8 MHz
Q3000	MMBT3904	Digital Data Clock Driver	4.8 MHz
Q3001	MMBT3904	Digital Data Clock Driver	4.8 MHz
U5001	M4A3_128	Programmable Logic Array	4.8 MHz
U3401	AD1859	Digital To Analog Converter	48 kHz
U3402	MC33072	Baseband Filter	12 kHz
U3403	MC33074A	Baseband Filter	12 kHz
U3800	XC390138	LNODCT/Modulator/Demodulator	851 - 870 MHz
Q3901	BFG135	Buffer Amplifier	851 - 870 MHz
Q3906	BFG135	Buffer Amplifier	851 - 870 MHz
Q3906	BFG135	Driver Amplifier	851 - 870 MHz
U3200	MC145202	Synthesizer	941.3 - 960.3 MHz
Q3201	MMBR901	Synthesizer Buffer	941.3 - 960.3 MHz
Q3200	MMBT3904	Synthesizer Reference Buffer	2.4 MHz
Q3700	MMBR901	Offset VCO	90.3 MHz
U3701	MSA0386	Offset VCO Buffer	90.3 MHz
U3702	MSA0386	Offset VCO Buffer	90.3 MHz
U3301	NE68519	VCO	941.3 - 960.3 MHz
U3302	MGA82563	VCO Buffer	941.3 - 960.3 MHz
CR3520	HSMS2812	Mixer Diode	851 - 870 MHz
CR3521	HSMS2812	Mixer Diode	851 - 870 MHz
U3560	INA02186	Injection Amplifier	851 - 870 MHz
U3603	MC332690	Regulator	DC
U3602	MC78M05	Regulator	DC
U3600	MC332690	Regulator	DC