

Wireless Networks Falcon Packet Radio

List of Active Devices

Rev 1.2

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1.0 Introduction and Scope:

This document lists the active devices used in the Wireless Networks Falcon Packet Radio.

2.0 List of Active Devices on Digital PC Board

Quantity	Manufacturer	Part Number	Description
2	FAIRCHILD	FDS6930A	N-channel MOSFET
2	NSC	LM78L05ACM	Voltage regulator
1	LINEAR TECH	LTC1438CG-ADJ	Dual Switching Regulator
1	IMI	FS781BTB	Spread Spectrum Clock Generator
1	AMI	FS6370-01	Clock Generator
1	FAIRCHILD	NC7S14M5	Schmitt Trigger Inverter
2	TI	TLV2442CD	Dual Op Amp
1	DALLAS SEMI	DS1305E	Real Time Clock
1	MAXIM	MAX1111CEE	Analog-to-Digital Converter
2	PANASONIC	XN4214	NPN transistor, dual
1	SMI	LAN91C96_TQFP100	Ethernet Controller
1		74HCT14	Schmitt Trigger Inverter
1	MXCOM	MX919BDW	Modem Data Pump, 4-level FSK
4	NSC	DS481M	RS-485/RS-422 transceiver
1		74HC126	Non-inverting buffer, tri-state
1	NSC	DS1489M	Quad line receiver
1	NSC	DS1488M	Quad line driver
1	MICROCHIP	PIC12C509A-04/SM	8-bit Microcontroller
1	TI	TLC16C752BPT	Dual UART
1	ATMEL	AT49LV1614-90TI	Flash Memory
1	CYPRESS	CY62136VLL-70ZI	Static RAM
1	MAXIM	MAX793SCSE	Microprocessor Supervisory Circuit
1	ATMEL	AT91R40807-33AC	CPU
1	GENERIC	74AC139	1-of-4 Decoder/Demultiplexer
1	MAXIM	MAX917ESA	Comparator
1	TOSHIBA	TC74HC595AFN	8-bit Shift Register
1	MAXIM	MAX931CUA	Comparator

3.0 List of Active Devices in Johnson DataRadio RF Module

Quantity	Manufacturer	Part Number	Description
4	Motorola	MUN5114T1	Transistor
6	Motorola	MUN5213T1	Transistor
5	NEC	NE85619	Transistor, NPN, 1 GHz
1	NEC	NE25139	Transistor, FET, 900 MHz
2	NEC	NE85633	Transistor, NPN, 1 GHz
1	Motorola	MSD1819A	Transistor
1	Motorola	MJD42C	Transistor
1	General Semi	2N3904	Transistor, NPN
1	Motorola	MC33174D	IC, Op Amp, Quad
1	Semi Lab	02231UK.01	Transistor, N-channel MOSFET
1	RF Microdevices	RF2104	IC, Medium Power Amplifier
1	Phillips	SA676DK	IC, Mixer FM IF System
1	Phillips	SA7025DK	IC, Synthesizer, Fractional-N, 1 GHz