

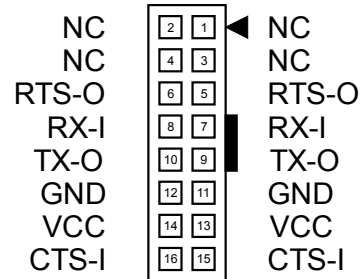
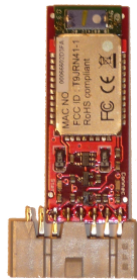
FireFly

Bluetooth Modem - BlueSMiRF Gold

Specifications

- * Class 1 Bluetooth Radio Modem
- * Built in antenna
- * Low power consumption: 25mA avg
- * Operating Voltage: 3.3V-6V
- * Serial communications: 2400-115200bps
- * Frequency 2.4~2.524 GHz
- * Hardy frequency hopping scheme
- * Encrypted connection

Modem & Connector



Description

This modem works as a serial (RX/TX) pipe. Any serial stream from 2400 to 115200bps can be passed seamlessly from computer to target. The modem can be powered from 3.3v up to 6V and all signal pins are 3V-6V tolerant. No level shifting is required. However, connecting the modem to the serial port of a computer requires an RS232 to TTL converter circuit.

The modem has two LEDs, one red and one green. A flashing red LED means the modem is waiting for a bluetooth connection. A steady green LED means the modem has an active bluetooth connection.

The modem has duplicated signals on both sides of its connector. Only one of each signal should be used, however both of the ground (GND) pins and both power (VCC) pins should be connected for proper power supply.

Pin	Signal	Dir	Description
1, 2	NC	--	No Connection
3, 4	NC	--	No Connection
5, 6	RTS-O	Out	Request To Send (for hand shaking)
7, 8	RX-I	In	Receive, serial data input
9, 10	TX-O	Out	Transmit, serial data output
11, 12	GND	--	Ground, 0V
13, 14	VCC	--	Power supply, 3.3V-6V
15, 16	CTS-I	In	Clear To Send (for hand shaking)