

RemoteKeyfob Circuit Description

The RemoteKeyfob is a simple On/Off Keyed keyfob-style transmitter with an internal, integrated patch antenna. The keyfob receives its power from a small 3v Lithium button cell battery. The keyfob is normally in sleep mode until the user presses one of 5 buttons, which wakes the microcontroller (MC68HC908QT1 - operating at 3.2Mhz), and sends out manchester encoded data to the transmitter. The transmitter portion of the device is a simple printed circuit LC tuned-tank transistor oscillator operating at a nominal frequency of 315Mhz.