

Remote Keyfob Circuit Description

The Remote Keyfob 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 (type CR2032). 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 section. The transmitter section consists of a SAW resonator stabilized printed circuit LC tuned-tank transistor oscillator operating at a nominal frequency of 433.92Mhz.