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Transmitter:

Pin 1 of the MCU output the signal of the key and address which the MCU are detecting; This signal is added to the Base of Q2; and then modulates the RF circuit which is composed of Q1 and other related components.

The modulated signal is transmitted by the antenna.

Receiver:

The modulated RF signal, which is received from the antenna, goes to the demodulation circuit composed by RF007 for demodulation.

The demodulated signal is then sent to MCU for processing. And the processed result is then sent, via the MCU, to the iPod console for all the operations.

Antenna and Ground:

Antenna inside mounted. The out Ground is not provided. Powered from CR2032 (3V voltage).