

27791 Circuit Description

The microcontroller emits a pulse stream whose content depends on which of the buttons was pushed, and contains a code unique to the transmitter. The pulses key an oscillator on and off. The tank coil of the oscillator radiates a small amount of signal power.

The RF portion of the TX4 is a radiating oscillator, frequency stabilized by a surface acoustic wave (SAW) resonator in the feedback loop.