

Circuit Description

1. All sensor signals transfers to the MCU. The MCU transfers data to RF module.
X1 the 13.56 MHz crystal oscillator drives the RF module (TDK5110F).
2. The output of RF module has the matching network consisting of L1, L2, C1, C2 and C3 that limit the harmonic content and effect the proper coupling of the antenna to the output stage, and the transmitting frequency is 433.92MHz.
3. The ground is only that of the printed circuit board. Electric current is supplied by a 3.3 Volt Li-battery.