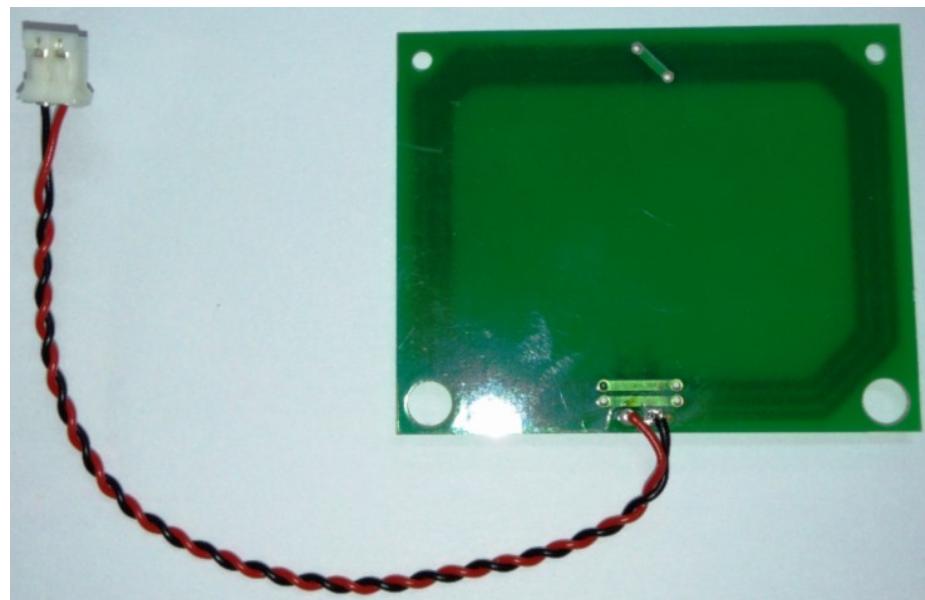
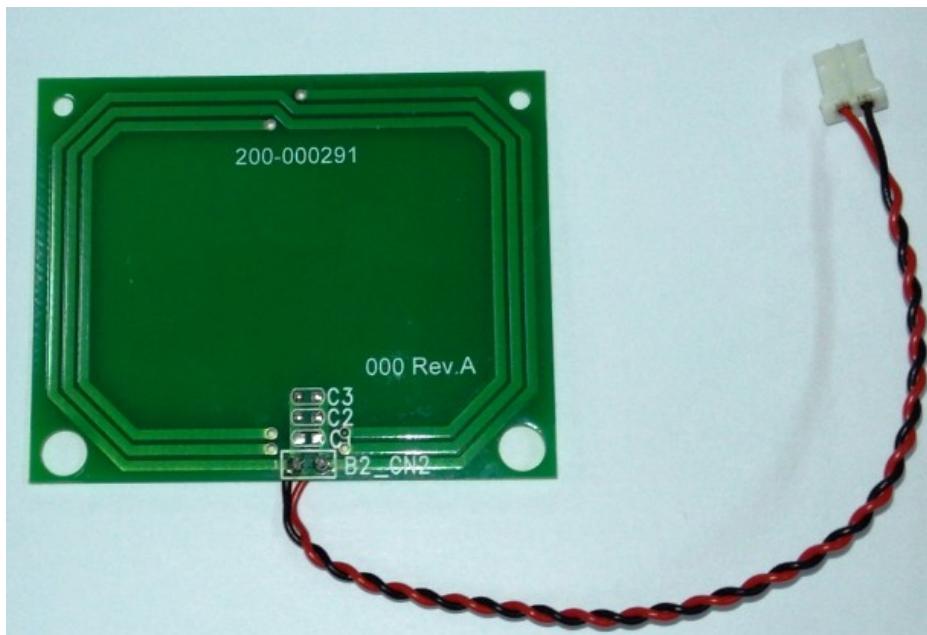
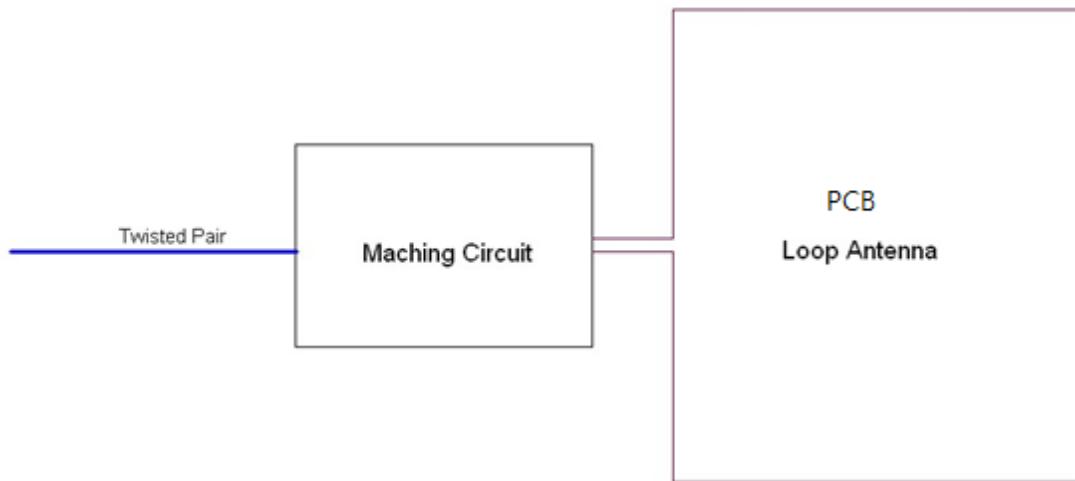


HF280 HF RFID Antenna Info

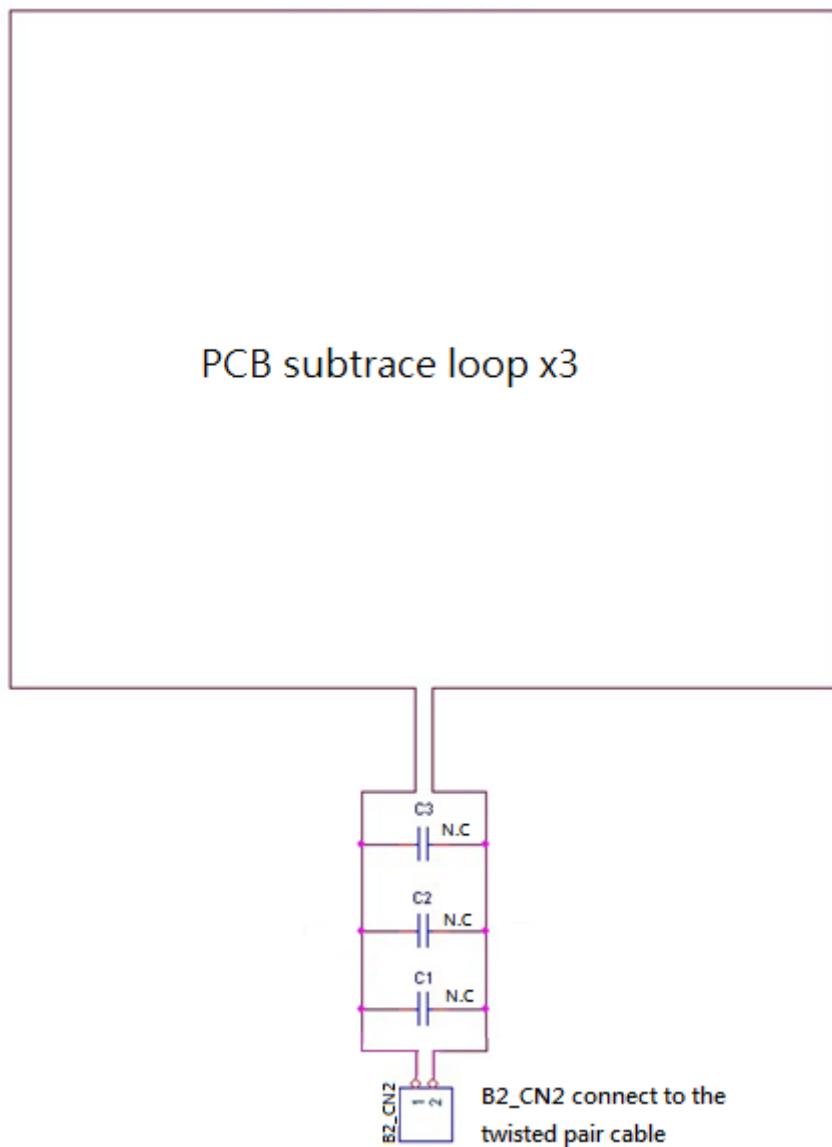
1. The antenna is work for ISM band in 13.56Mz frequency. It must work with the device Godex HF280 module. Its output power and working frequency are complied with licensing regulation FCC Part 15 section 15.225.
2. The antenna is made by Godex International Co., Ltd. It is the characteristic impedance 50 OHM loop type antenna, there is no antenna gain definition here, due to this antenna is only working on the near field inductive coupling system in accordance with ISO 15693.
3. The physical photo and drawing are shown as below:



4. Block Diagram



5. Circuit Schematic:



This antenna is a single-loop transmit/receive antenna with pre-set matching electronics for a transmitter frequency of 13.56MHz and impedance of 50Ω .

5. Spec:

Antenna type: PCB Low Frequency Loop Antenna

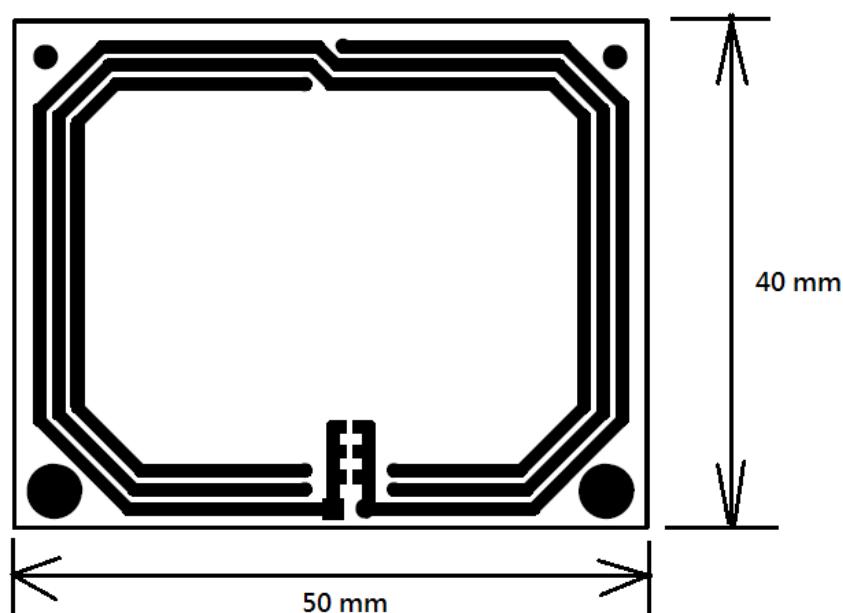
PCB: FR-4, 2 layer layout, 0.8mm thickness, 40mmx50mm

Working Frequency: 13.56MHz (ISM Band)

Impedance: 50Ω

Connector: 2.0 pitch male of Molex type for HF280

Cable: Twisted pair



Readout Pattern

- Tag orientation 1
- Tag orientation 2

