Handson Technology

M1 S50 ISO/IEC14443A Contactless RFID Keychain

This is blank 13.56MHz RFID/NFC ISO/IEC 14443A keychain - often use in systems where a proximity identification is desired. The tag contains a small RFID chip and an antenna, and is passively powered by the reader/writer station when placed a couple inches away. This key chain cab be read/write by almost any 13.56MHz RFID/NFC reader like RC522 RFID Reader Module. This key chain can be written to and store up to 1KB of data in writable EEPROM divided into banks, and can handle over 100,000 re-writes cycles.

RFID chip specification:

- Standard: ISO/IEC 14443A.
- Storage type: 1024x8bit EEPROM memory.
- Working Frequency: 13.56MHz.
- RF Communication Speed: 106Kbits/s.
- Built in encryption engine with 48-bit key.
- High data integrity: 16 Bit CRC, parity, bit coding, bit counting.
- 4 Byte unique identifier burned into the chip
- Endurance: 100,000 cycles.
- Data Retention: 10 Years.
- Material: ABS.
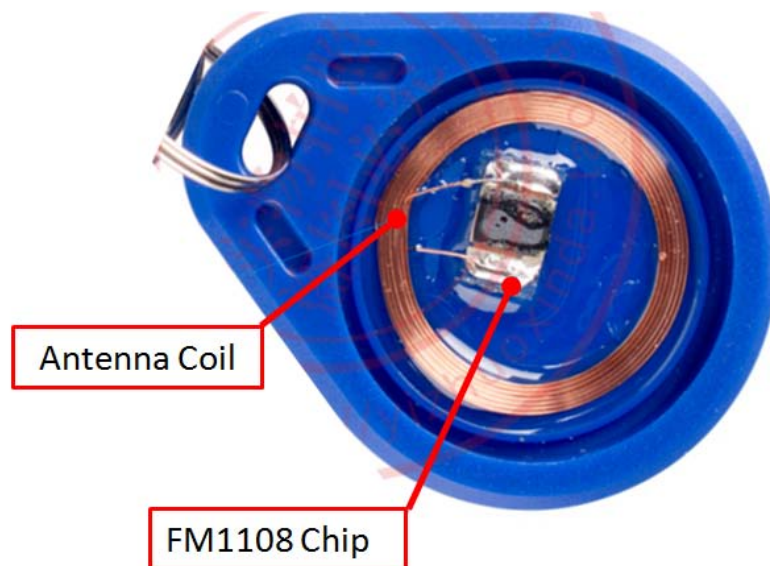
Tag specification:

- Card Size: 40mm x 32mm x 4mm.
- Weight: 10 grams.
- Working Distance: 10~20mm away from reader.

Mechanical Dimension:

Key Chain Size #3 (mm)

Internal Structure:

Web Resources:

- RC522 RFID Reader Module
- Contactless RFID Card