Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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13.56MHz RFID/NFC Plastic Nail

PRODUCT ID: 1483

Description

- This is a blank 13.56MHz RFID/NFC 'nail'- often used to 'hammer' in a 13.56MHz RFID/NFC tag. The nail contains a small RFID chip and an antenna, and is passively powered by the reader/writer when placed a couple inches away.

  These can be read by almost any 13.56MHz RFID/NFC reader but make sure it can handle ISO/IEC 14443 Type A cards as there are a few other encoding standards (like FeLica) They are tested and work great with both our PN532 NFC/RFID breakout board and Adafruit NFC/RFID Shield for Arduino!

  These chips can be written to & store up to 1 KB of data in writable EEPROM divided into banks, and can handle over 100,000 re-writes. You can use our PN532 NFC/RFID breakout board or Adafruit NFC/RFID Shield for Arduino to read and write data to the EEPROM inside the tag. There is also a permanent 4-byte ID burned into the chip that you can use to identify one tag from another - the ID number cannot be changed.

These use a ISO/IEC 14443 Type A chipset, which used to be the 'classic' NFC chipset. In ~2014, the NFC forum decided not to support this chipset anymore, so newer phones do not support it. This only matters if you're trying to use this tag with a phone/tablet.

Technical Details

- RFID chip specification:
    - 1 KiloByte (8 KiloBit) non-volatile EEPROM storage
    - Built in encryption engine with 48-bit key
    - 4 Byte unique identifier burned into the chip
    - 13.56 MHz frequency

  Tag specification:

    - Max Dimensions: 22.11mm / 0.87" round x 41.37" / 1.62" long
    - Head Dimensions: 22.11mm / 0.87" round x 4.06mm / 0.16" thick
    - Shaft Dimensions: 6mm / 0.23" round x 38.23mm / 1.5" long
    - 2.32g
    - Works about 2" away from reader