

IDEM18-Mifare-13.56MhzMifare1module

1、 Summary

IDEM18-Mifare series 13.56MHZ contactless type RFID IC card reader module, is based on ISO/IEC14443 - 1, -2, -3 international standard protocol development of contactless smart card reader module. It uses high integration chip produced by NXP, advanced watchdog and voltage monitoring circuit scheme design; high integration, strong anti-jamming ability, small volume, more stable performance and can be provide Wiegand and TTL output. With high sensitivity, low operating current and have single DC power supply.

2、 Application:

Be applied to Access control, attendance system, Documents management, electronic tickets, security and Bus system...etc

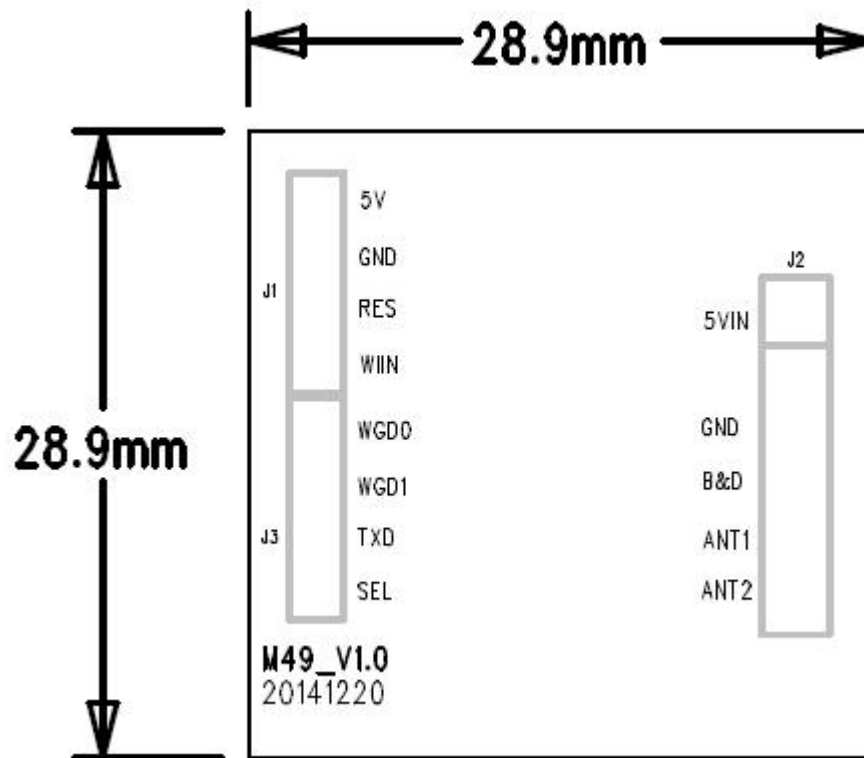
3、 Support

Provide the SDK and DEMO for customer further development.

4、 Technical Parameters

Item NO	<u>IDEM18-Mifare,</u>
ISO standard	ISO/IEC 14443A;
Support card	Mifare One S70; Mifare One UltraLight; Mifare One S50;
Frequency	13.56MHz
Power supply	DC 5V (±5%)
Current	Quiescent current 44 MA, card current 48MA when read
Distance	0--100mm depend on the reading environment and card
Interface	Wiegand , TTL
Port	TX serial port, Beep
Work Temmp	-10°C ~ +70°C
Storage Temp	-20°C ~ +80°C
Size	28.9mm×28.9mm×1.0mm (公差±1mm)

5、 Size



6、 Pin Definition

A. J1 Interface definition:
Reserved port

B. J2 Interface definition:
PIN 1 ---- VCC(5V)
PIN 2---- GND
PIN 3---- IO(output)
PIN 4---- Reserved
PIN 5---- Reserved

C. J3 Interface definition:
PIN 1 ---- VG (D0)
PIN 2 ---- VG (D1)
PIN 3 ---- TTL(TX)
PIN 4 ---- VG/TTL SELECT

* TTL OUTPUT FORMAT

example: 00 XX XX XX XX XOR

00 is state

XX is 4 byte UID code, hexadecimal

XOR is exclusive OR for preceding five bytes, 16 hexadecimal
Note: All the data is ASCII output

七、Figure

