

## ● Introduction

PIMF-18E is MF 13.56MHz UID reading module. It is power supplied via USB cable. It can provide easy ID filing by USB keyboard emulator without any driver (plug & play) and no request of external power supply. Compact design with mounting holes suitable for various integrations such as portable products.

We provide complete software/Hardware support and shorten schedule of RFID product development, OEM/ODM service is available.

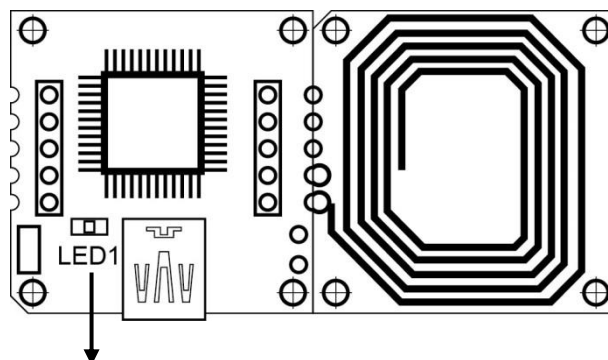
## ● Features

- Support Mifare ISO 14443A(UID)
- Antenna can be replaced upon request
- Supply firmware modification accords to request of special function
- High speed data transfer and high integrity
- Comply with ROHS
- With fixed holes around the corner.



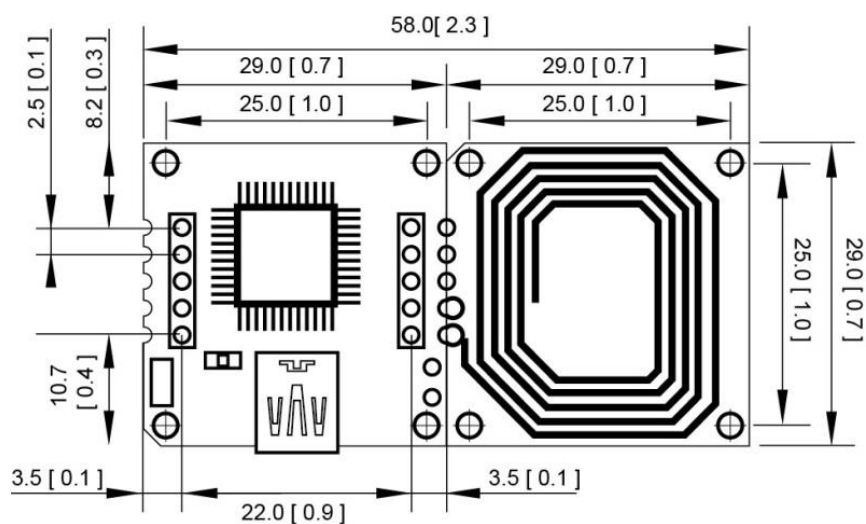
## ● Specification

RFID frequency		13.56MHz
Applicable cards		Mifare S50 / S70, Mifare Ultralight, Mifare DESFire, NFC Tag
Reading range	Card (T:0.8mm)	Max.4 cm
	Tag	Max.3 cm
Output interface		USB
Power input		By USB
Standby current		60mA±10% @5V DC
Working current		56mA±10% @ 5V DC
Dimensions(L) x(W) mm/inch		58 x 29 / 2.3 x 0.7
Operating temperature		-10℃~70℃
Storage temperature		-20℃~85℃



LED1:  
Standby: Orange  
Card(Tag) approach to the module: LED off for 0.5 Sec.

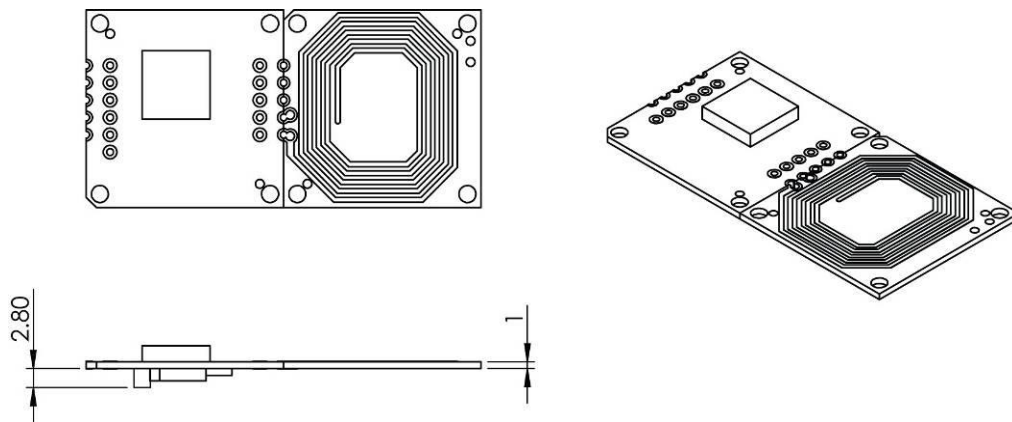
● Dimension: Unit: mm[inch]



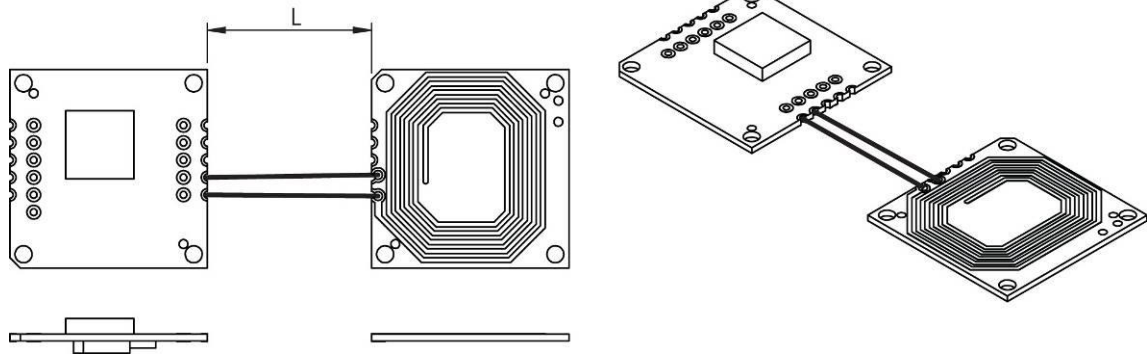
● Wire configuration

Mini USB Connector			
	Pin	Signal direction	Function
	1	←	+5 VDC
	2	→	D-
	3	→	D+
	4	X	X
	5	—	GND

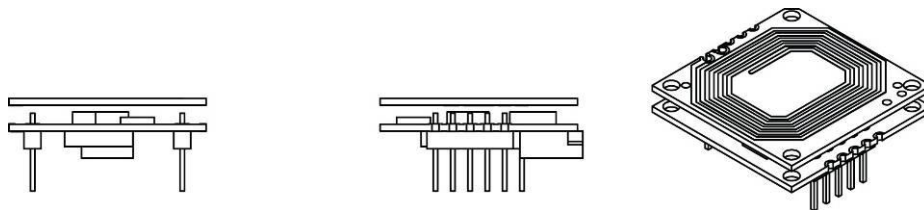
- **Application**  
**Type A**



- Type B**



- Type C**



- **Optional accessories:**  
30cm USB Cable (R-12-USB-MINI-300BU)

## ● Ordering information

<b>PIMF-18EU1D01</b>	: 8 digit, Decimal, 3bytes
<b>PIMF-18EU1D02</b>	: 10 digit, Decimal, 3bytes
<b>PIMF-18EU1D03</b>	: 8 digit, Decimal, 4bytes
<b>PIMF-18EU1D04</b>	: 10 digit, Decimal, 4bytes
<b>PIMF-18EU1D05</b>	: 8 digit, Decimal, 3bytes, card number: in positive
<b>PIMF-18EU1D06</b>	: 10 digit, Decimal, 3bytes, card number: in positive
<b>PIMF-18EU1D07</b>	: 8 digit, Decimal, 4bytes, card number: in positive
<b>PIMF-18EU1D08</b>	: 10 digit, Decimal, 4bytes, card number: in positive
<b>PIMF-18EU1H</b>	: Hexadecimal
<b>PIMF-18EU1HS</b>	: Hexadecimal, card number: in positive

<b>U1 Series</b>	: Plug & Play, USB interface, keyboard emulation(without any PC driver)
<b>U3 Series</b>	: Serial port emulator thru USB interface

※ Other customer request specifications are welcomed