

● Introduction

PIFC-18E is Felica & Mifare 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.

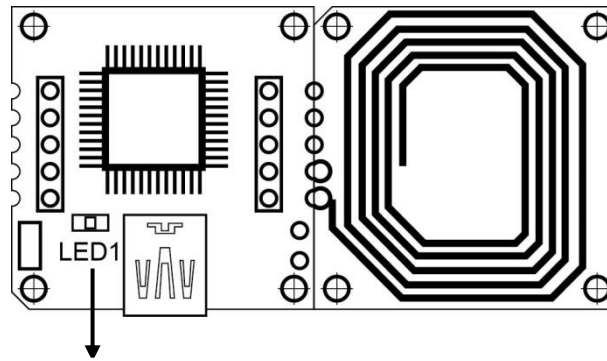
● Features

- Support Felica ISO18092 & Mifare ISO14443A.
- 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.



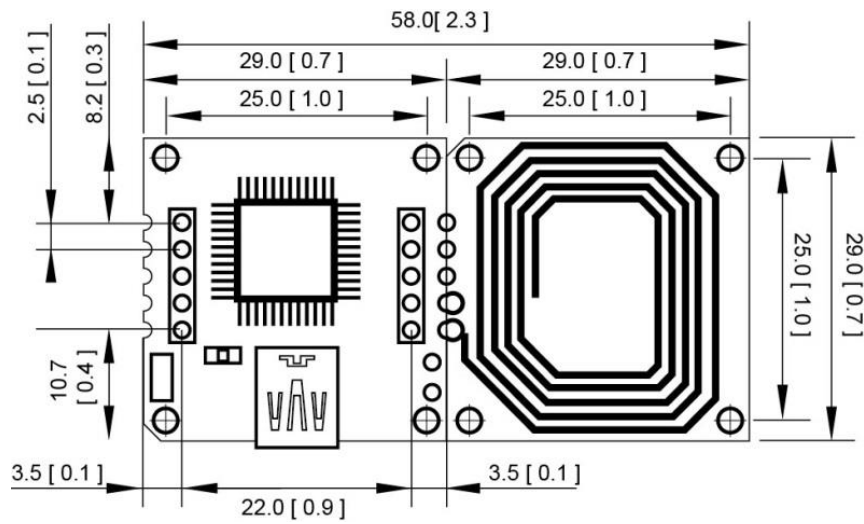
● Specification

RFID frequency		13.56MHz
Applicable cards		Mifare S50 / S70, Mifare Ultralight, Felica, NFC Tag or compatible
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℃

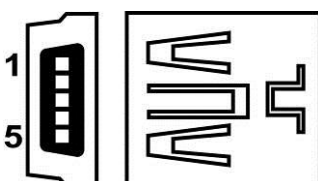


LED1:
Standby: Orange
Card(Tag) approach to the module: LED off for 0.5 Sec.

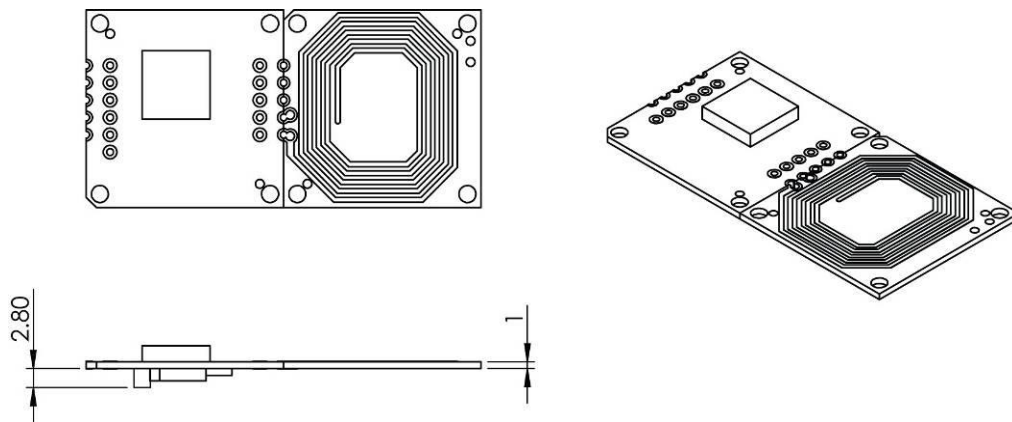
● Dimension: Unit: mm[inch]



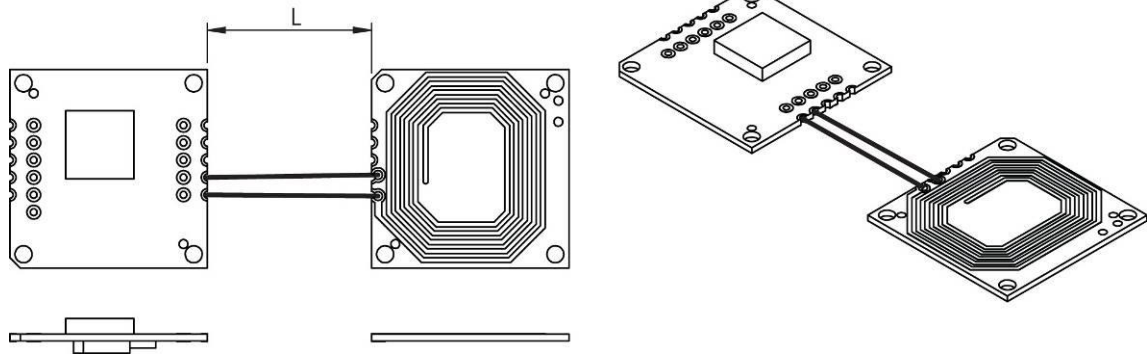
● Wire configuration

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

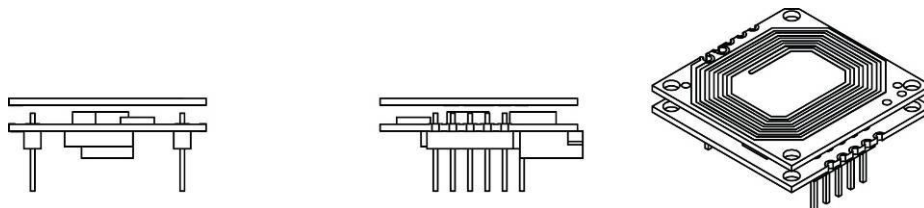
- **Application**
Type A



- Type B**



- Type C**



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

● **Ordering information**

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

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

※ Other customer request specifications are welcomed

FeliCa is a trademark of Sony Corporation.
Mifare is a registered trademark of NXP B.V.

Specifications subject to change without notice for further modification.

W-04-PIFC-18E/E