

RFID 13.56MHz Felica / Mifare Module(UID)



PXFC-13SN



PXFC-01SN



PIFC-18SN



PIFC-18SN/U



PIFC-HSN

Introduction

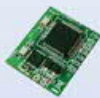
This is designed in accordance with Felica ISO 18092(UID) & Mifare ISO 14443A(UID) standard to read the contact less smart card. Only requests DC4.5~5.4V input, USB type module supplies power via USB cable. It is designed for low cost and high security as well as convenience and reliability.

Compact design with mounting holes, the module is suitable for various integration such as portable product. We provide complete hardware support and shorten schedule of RFID product development, OEM/ODM service is available.

Features

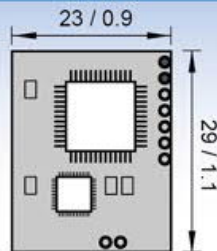
- Support Felica ISO 18092(UID) & Mifare ISO 14443A(UID).
- Support Wiegand 26/34 bits, USB, UART(TTL), RS-232 output.
- Supply firmware upon customer's request.
- High data integrity.
- High speed data transfer.
- Comply with ROHS.

Specifications

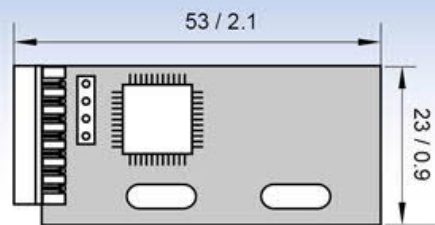
Appearance					
Model No.	PXFC-13SN	PXFC-01SN	PIFC-18SN	PIFC-18SN/U	PIFC-HSN
RFID frequency	13.56MHz				
Applicable cards	Mifare S50 / S70, Ultra Light, Felica or compatible				
With internal antenna	NO		YES		
Reading range	Card(T:0.8mm)	Depending on tag size, tag type and antenna size		Max.4 cm	
	Tag			Max.3 cm	
Output format	Wiegand 26/34 bits, UART(TTL), RS-232(Optional)		Wiegand 26/34 bits,UART(TTL)	Wiegand 26/34 bits, UART(TTL), USB	Wiegand 26/34 bits,UART(TTL)
Power input	5V DC±10%				
Transmission spec.	9,600 bps N, 8, 1				
Material	PCB				ABS
Dimensions(mm/inch)	29 x 23 / 1.1 x 0.9	53 x 23 / 2.1 x 0.9	58 x 29 / 2.3 x 0.7		32 x 32 x 8 / 1.3 x 1.3 x 0.3
Operating temperature	-10°C~70°C				
Storage temperature	-20°C~85°C				

Dimension:

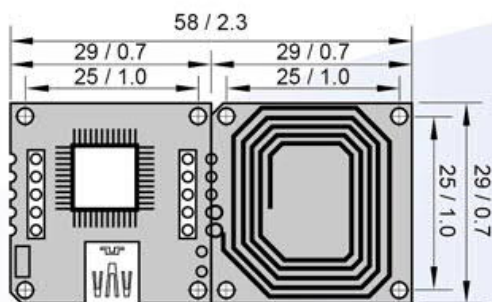
Unit: mm / inch



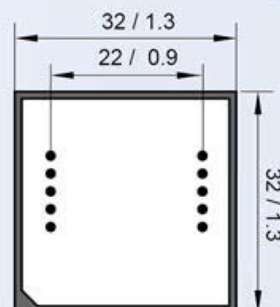
PXFC-13SN



PXFC-01SN



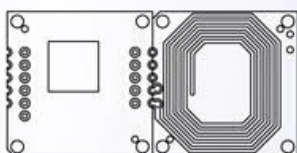
PIFC-18SN



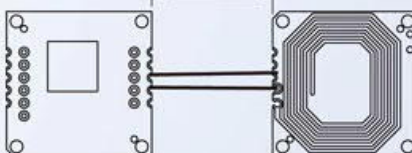
PIFC-HSN

Application (Just for PIFC-18SN):

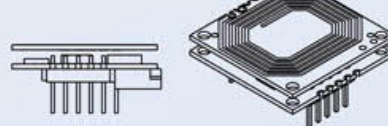
Type A



Type B



Type C



Optional Antenna

Antenna Model No.	Dimension	Reading Range(Depending on tag size, tag type)
R-17-PP87/1.2UH-COIL	68 x 96MM	5CM
R-17-PUA310M2/COIL	58.5 x 69.5MM	6CM
R-17-PP3702/M COIL	79 x 103MM	7CM
R-17-PM6750/COIL	51.3 x 65.5MM	4.5CM
R-17-PZ85/COIL/M	53 x 78MM	3CM
R-17-PP110M2/COIL	33 x 81MM	4CM

Ordering information

PXFC-13SN/W26	: RFID 13.56MHz Felica / Mifare UID Module, Without internal antenna, Wiegand 26 bits
PXFC-13SN/W34	: RFID 13.56MHz Felica / Mifare UID Module, Without internal antenna, Wiegand 34 bits
PXFC-13SN/T	: RFID 13.56MHz Felica / Mifare UID Module, Without internal antenna, UART(TTL)
PXFC-13SN/R2	: RFID 13.56MHz Felica / Mifare UID Module, Without internal antenna, RS-232
PXFC-01SN/W26	: RFID 13.56MHz Felica / Mifare UID Module, Without internal antenna, Wiegand 26 bits
PXFC-01SN/W34	: RFID 13.56MHz Felica / Mifare UID Module, Without internal antenna, Wiegand 34 bits
PXFC-01SN/T	: RFID 13.56MHz Felica / Mifare UID Module, Without internal antenna, UART(TTL)
PXFC-01SN/R2	: RFID 13.56MHz Felica / Mifare UID Module, Without internal antenna, RS-232
PIFC-18SN/U1W26T	: RFID 13.56MHz Felica / Mifare UID Module, With internal antenna, USB, Wiegand 26 bits, UART(TTL)
PIFC-18SN/U1W34T	: RFID 13.56MHz Felica / Mifare UID Module, With internal antenna, USB, Wiegand 34 bits, UART(TTL)
PIFC-18SN/W26T	: RFID 13.56MHz Felica / Mifare UID Module, With internal antenna, Wiegand 26 bits, UART(TTL)
PIFC-18SN/W34T	: RFID 13.56MHz Felica / Mifare UID Module, With internal antenna, Wiegand 34 bits, UART(TTL)
PIFC-HSN/W26T	: Epoxy, RFID 13.56MHz Felica / Mifare UID Module, With internal antenna, Wiegand 26 bits, UART(TTL)
PIFC-HSN/W34T	: Epoxy, RFID 13.56MHz Felica / Mifare UID Module, With internal antenna, Wiegand 34 bits, UART(TTL)

※ Other customer request specifications are welcomed.

Mifare is a registered trademark of NXP B.V.

FeliCa is a trademark of Sony Corporation.

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We reserve the right to change the specification without prior notice or obligation!



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