



PIMF-MDAT-APS

RFID 13.56MHz DESFire Mifare Read Module

User manual

Ver.19.1

● Features

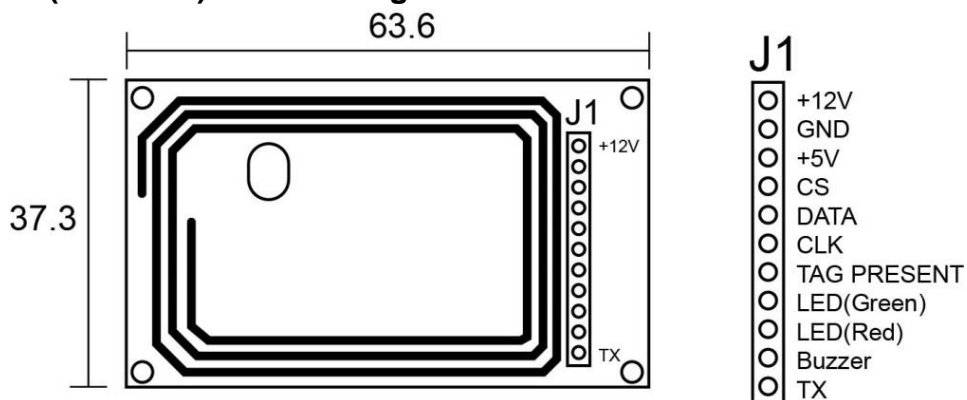
- ISO / IEC 14443A 1-4 compatible.
- High speed data transfer.
- Internal antenna.
- DES / 3DES / 3KDES / AES Encryption Algorithm.
- Anti-collision.



● Specification

RFID frequency		13.56MHz	
Reading range	Card (T:0.8mm)	Mifare	Max. 4cm
		DESFire	Max. 3cm
Output format		UART / ABA	
Power input		12V DC±10%	
Transmission spec.		9, 600 bps N, 8, 1	
Standby / Working current		82mA±10% @12V DC / 87mA±10% @ 12V DC	
Operating temperature		-10℃~70℃	
Storage temperature		-20℃~85℃	

● Dimensions(Unit: mm) / Wire configuration



● Data formats

(10 Digits Card ID)Magnetic stripe ABA Track2 output format

SS	CARD ID(10D)	ES	LRC
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SS is the start sentinel character of 11010

ES is the end character of 11111

LRC is the longitudinal redundancy check.

MIFARE DESFire is a registered trademark of NXP B.V.

Specifications subject to change without notice for further modification.

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