

## OEM RFID PROXIMITY READERS

### Features

Compact size (82x52x14mm).  
 Communication with several 125Kz 64bit transponders with Manchester coding.  
 Fast and easy system integration.  
 Three interface options.  
 Integrated antenna.  
 5V power supply.  
 100 mA power consumption.  
 Communication distance of up to 100mm.

### Brief Description

This proximity reader module was created specifically for OEM use. It consists of a single small PCB board, approximately of the size of a standard ISO card.

The fact that it does not require an external antenna is what makes it stand out when compared with other RFID reader modules available in the market today. The antenna is incorporated in the PCB and the module comes fully calibrated from factory.

### RS232 TTL (9600bps) Interface Pin table (MRFIDSER)

Pin	Symbol	Description
1	VCC	5V supply
2	GND	Ground 0V
3	RESET	Reset signal (Activ High)
4		unused
5		unused
6	DATA	Data signal

### Keyboard Interface Pin table (MRFIDTEC)

Pin	Symbol	Description
1	VCC	5V supply
2	GND	Ground 0V
3	RESET	Reset signal (Activ High)
4		unused
5	CLK	Clock Signal
6	DATA	Data signal

### Magnetic Card Single Track Interface Pin table (MRFIDBM)

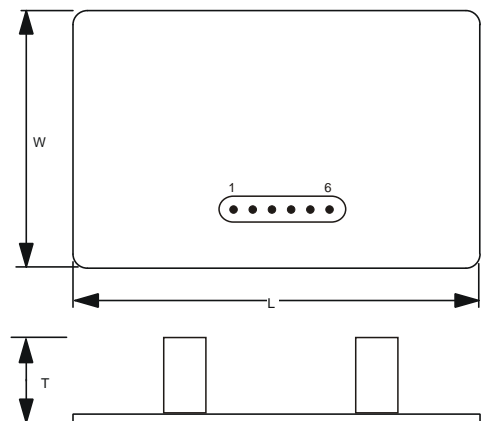
Pin	Symbol	Description
1	VCC	5V supply
2	GND	Ground 0V
3	RESET	Reset signal (Activ High)
4	CLS	Card Loading Signal
5	RCL	Read Clock
6	RDT	Read Data

Product Order Codes	
MRFIDTEC	OEM proximity RFID reader with keyboard interface
MRFIDSER	OEM proximity RFID reader with serial RS232 TTL interface
MRFIDBM	OEM proximity RFID reader with MSR TK2 interface

### Applications

Access Control.  
 Time and Attendance.  
 Membership Cards.  
 Electronic Keys.  
 Logistics.  
 Animal Live Stock ID.  
 Asset Tracking and Inventory.

### Dimensions



Description	Code	Dimension
Length	L	82 mm
Width	W	52 mm
Thickness	T	14 mm