

ID-20-MF7-FV

Read Only Module

Datasheet



ID Innovations
Advanced Digital Reader Technology
-----Better by Design

Summary

The ID-20-MF7-FV series contactless card Read only module is based on Mifare reader IC. They come with the choice of internal antenna and are suitable and for embedded applications and general Electronic Devices.



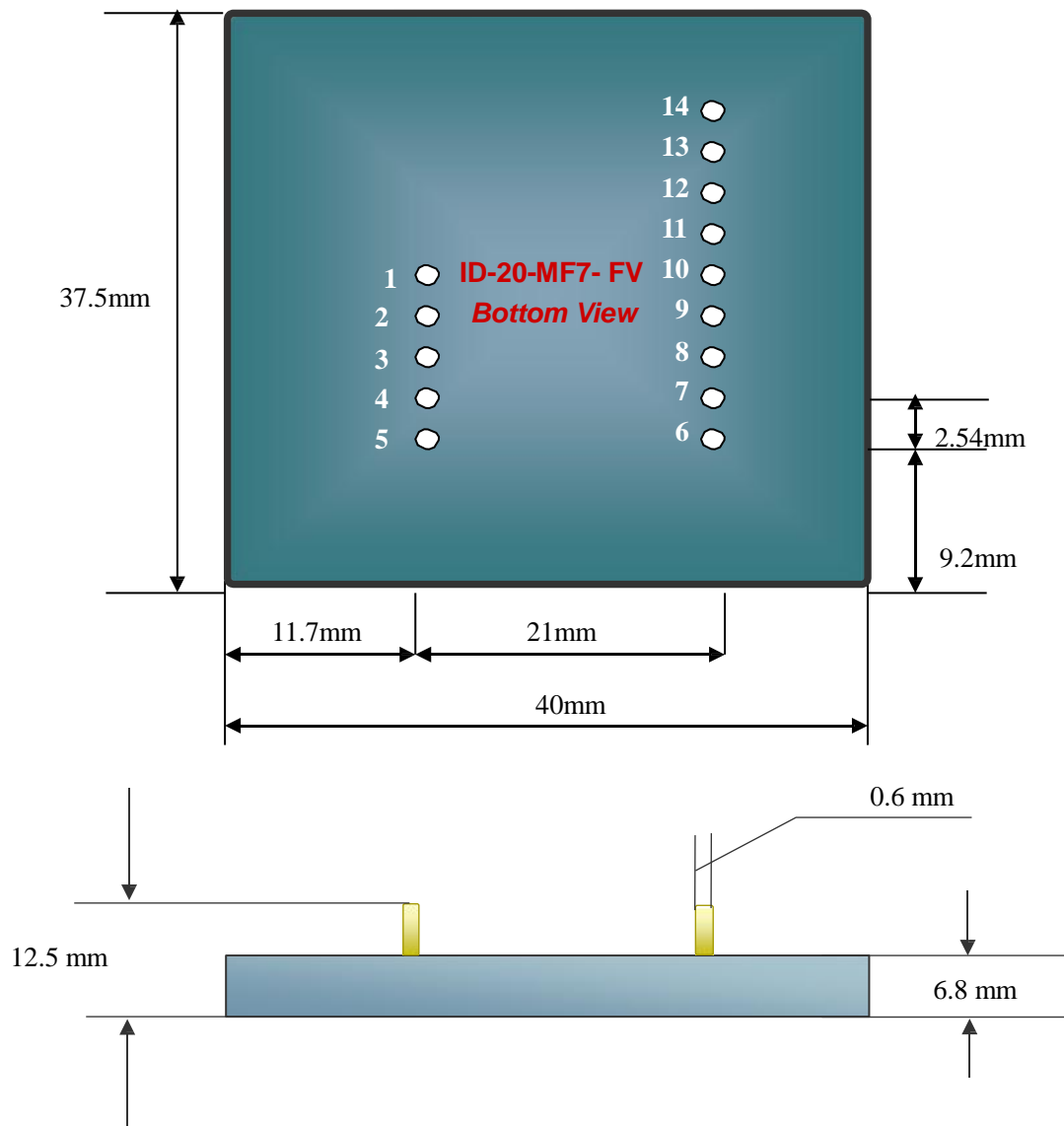
Characteristic

- internal antenna
- ISP(In System Program)function
- Small outline
- Low power consumption

Specification

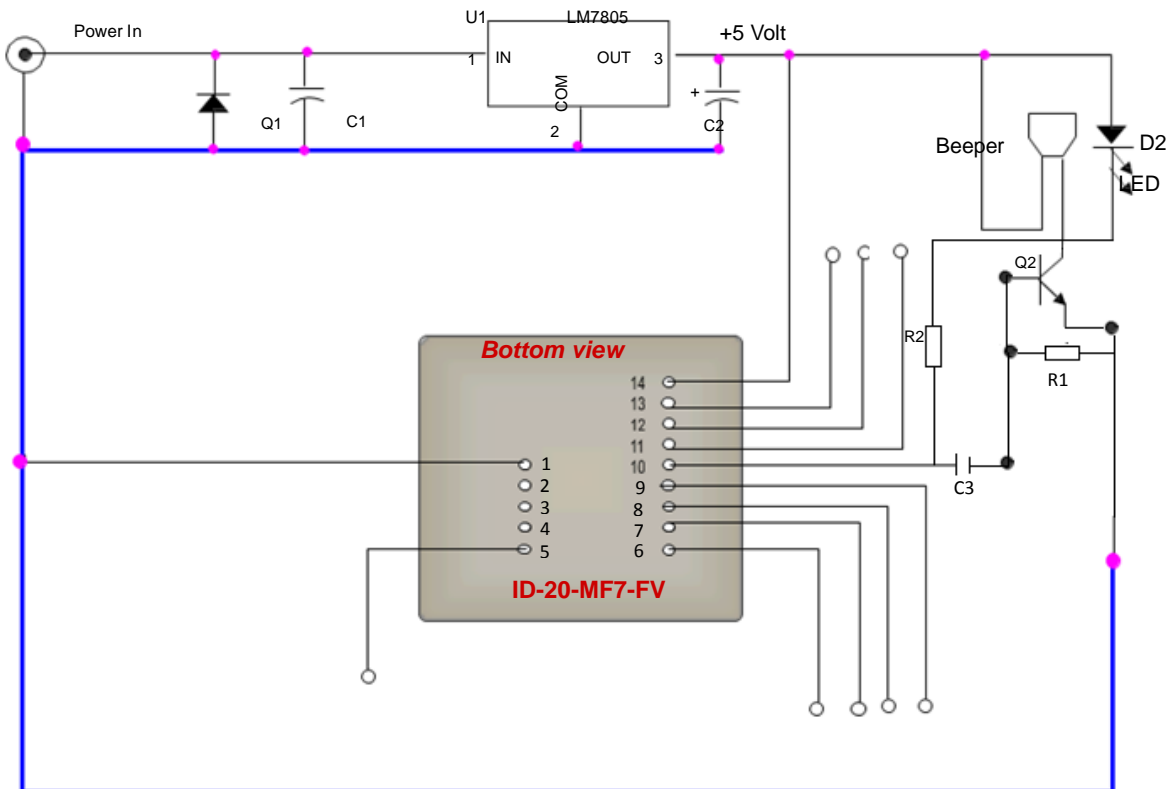
- Support card :ISO15693
- Model: ID-20-MF7-FV
- Frequency: 13.56 MHz
- Read distance: >6cm
- Fast read/write speed.
- Communication Port: (RS232) TTL 9600 N,8,1
- Power: 5V DC
- Current consumption: <60 mA PK<200MA
- weight: 80g
- Operating temperature: -20°C--- +50 °C
- Storage temperature : -20°C --- +75 °C
- ID-20MF7-FV model description:
- Certification: CE, C-TICK, ROHS, FCC:

Dimensions and Pins (bottom view)



- 1: GND
- 2: TX1
- 3: TX2
- 4: RX
- 5: NC
- 6: FUTUER
- 7: LED_IN
- 8: WG_DATA1
- 9: WG_DATA0
- 10: /LED_OUT
- 11: RESET
- 12: RxD
- 13: TxD
- 14: +5V

Circuit Diagram for the ID-20-MF7-FV



Pin Description & Output Data Formats

Pin.NO	Description	ASCII	Wiegand (optional)
1	Zero Volts and tuning Capacitor Ground	GND 0V	GND 0V
2	TX1	TX1	TX1
3	TX2	TX2	TX2
4	RX1	RX1	RX1
5	NC	NC	NC
6	FUTUER	FUTUER	FUTUER
7	Format Selector (+/-)	Format Selector (+/-)	Format Selector (+/-)
8	WG_DATA1	No function	One Output
9	WG_DATA0	No function	Zero Output
10	LED OUT	LED OUT	LED OUT
11	RESET	RESET	RESET
12	RXD	TTL RXD	No function
13	TXD	TTL TXD	No function
14	DC Voltage Supply	+5V	+5V

Output format:

For a Mifare card with SN: 12 34 AB CD

We name SN0=12 SN1=34 SN2=AB SN3=CD

1 About RS232 output

For RS232 output, the serial data is as below:

02 CD AB 34 12 0D 0A 03

CDAB3412(HEX)=3450549266(DEC)=33 34 35 30 35 34 39 32 36 36(ASCII)

The final serial data is as below:

0B 33 34 35 30 35 34 39 32 36