

Datasheet PRDCRS/PRDCWS

RFID ISO card, LF 134kHz, HDX, Read Only/Read Write ISO 11785 Read Only Industrial Number format

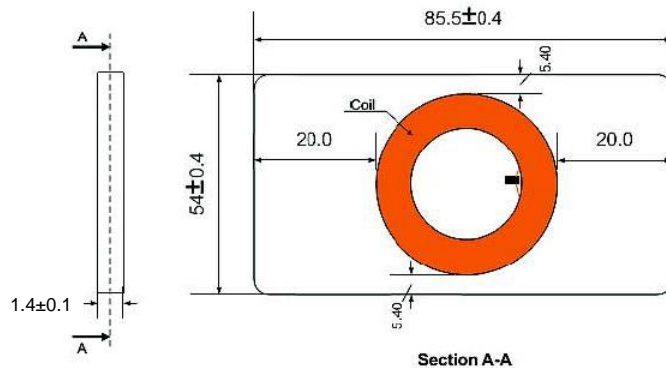
Characteristics

(at ambient temperature unless noted otherwise)

| | PRDCRS | PRDCWS |
|------------------------|---|---------------------|
| Physical | | |
| Dimensions | 85.5mm ± 0.4mm x 54 mm ± 0.4mm x 1.4mm ± 0.1mm | |
| Material | Polyvinyl Chloride (PVC) | |
| Color | White, without print | |
| Weight | 12g | |
| Protection Class | Per ISO 7810 | |
| Electrical | | |
| Operating Frequency | 134.2kHz | |
| Memory | 64bits (Read Only) | 80bits (Read Write) |
| Transmission Principle | Half Duplex (HDX), Downlink ASK, Uplink FSK | |
| Write Cycles | -- | 100,000 |
| Memory Retention | > 20years | |
| EMC | Memory is not affected by normal electromagnetic interference or x-rays | |
| Thermal | | |
| Operating Temperature | -25°C to +85 °C | |
| Storage Temperature | -25°C to +85 °C | |

Drawing

(Dimensions in mm)



The TEXAS INSTRUMENTS terminated manufacturing the RI-TRP-R4FF and RI-TRP-W4FF cards, wedge transponders, glass transponders and RI-TRP-RFOB-01, RI-TRP-WFOB-01 Keyring Transponders in October 2014. These original products are no longer available, became obsolete.

These products are a perfect replacements for these. We provide read only and read and write type too. The TIRIS card is typically used in STP, Nexon access control, gas station systems, etc. in Hungary, for example.

So far, this subsidiary replaces 100% successfully the original Tiris card. It is possible to test samples before ordering cards though.

Important note:

The replacement RW transponder is 100% Read compatible to the obsolete Texas Instruments RW transponder.

However, programming of this replacement RW transponders follows a different scheme. That means that commercial TI readers cannot write these replacement tags, because they are not programming compatible to the original TIRIS tags.

Solution #1: We can offer an MRD2EVM+ reader/writer device plus a GUI. This will allow programming the tags. It has an USB connection. Please note that it has a modified FW, you cannot use the TI version of it.

Solution #2:

You can also change the existing eg. TW4 Mifare – Elatec reader's software. We can provide a specification under NDA that describes the needed SW modifications.

Interested in the solutions mentioned above? Please contact us for quotation.

Sales contact:

Procontrol Electronics Ltd.
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