

MAGIC

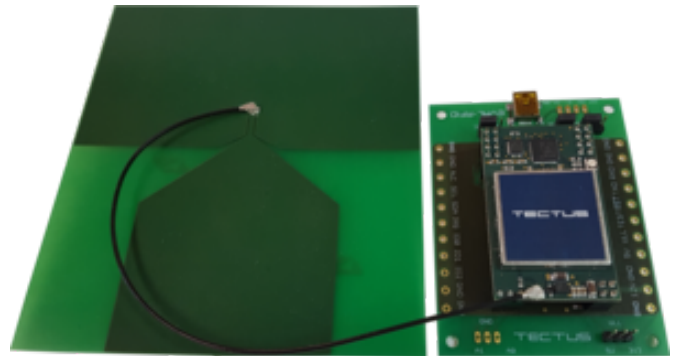
RFID Reader Industry Module

PART ID:
4047

TECTUS RFID Reader Modules make quick and cost-effective implementation of RFID technology possible in existing operational infrastructures, as well as in existing products and applications. Due to the low-level communication these modules can be used in all circuits. This evaluation board was developed for an easy start into engineering.

Main Specifications

| | |
|-----------------------|--|
| Frequencies | LF HF UHF |
| Material | FR4 |
| Operating Temperature | -20°C to 65°C |
| IP Class | Not Specified |
| Compliance | RoHs & Reach, CE |
| Key Features | Command Interpreter, Simple ASCII Protocol, LF, HF, UHF and NFC available, Plug-and-Play |



Full Specifications

| | |
|------------------|--|
| Product ID | 4047 |
| Name | MAGIC |
| Material | FR4 |
| Shape | Evaluation Kit |
| Long Description | TECTUS RFID Reader Modules make quick and cost-effective implementation of RFID technology possible in existing operational infrastructures, as well as in existing products and applications. Due to the low-level communication these modules can be used in all circuits. This evaluation board was developed for an easy start into engineering. |
| Key Features | Command Interpreter, Simple ASCII Protocol, LF, HF, UHF and NFC available, Plug-and-Play |
| Comments | incl.PCB antenna 126x11x1.2mm |
| Main Use | Development |
| Article Type | Module |
| Color | Green |
| Length [mm] | 80 |

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Where application information is given, it is only advisory and does not form part of the specification.

| | |
|----------------------------|----------------------|
| Width [mm] | 60 |
| Thickness [mm] | 20 |
| Weight [g] | 26 |
| Anticollision | yes |
| IP Class | Not Specified |
| PCB Material | FR4 |
| Chemical Resistance | Not Specified |
| Flame Resistance | Not Specified |
| Mechanical Resistance | Not Specified |
| Compliance | RoHs & Reach, CE |
| Read / Read Write | Read&Write |
| Typical Reading Range | short |
| Supported Standards / Tags | ISO 18000-6A/B,C |
| MTBF [h] | 500000 |
| Humidity % | 95 |
| Operating Temp °C (min) | -20 |
| Operating Temp °C (max) | 65 |
| Storage Temp °C (min) | -20 |
| Storage Temp °C (max) | 60 |
| Power Supply | USB |
| Battery Type | None |
| Battery Capacity | None |
| Operating Frequency | UHF |
| Frequency Range | 860~960MHz |
| Interfaces Physical | USB,I ² C |
| Interfaces Protocol | ASCII |
| Antenna Ports | 1 |
| Antenna ext. | 1 |
| Connection | USB, Pad |
| Status [Display,LED] | 1 RGB LED |
| Integrated RFID Reader | UHF |
| Mounting Method | Embed |

VARIANTS

| ID | Variant |
|----------------|-------------------|
| 4047-01-000-00 | EvaluationKit UHF |