MAGIC
RFID Reader Industry Module

PART ID:
4074

The OEM RFID reader module MAGIC 4074 was developed for reading r/o and writing r/w LF 125/134 kHz transponders. It is compatible with the long-time approved module MAGIC 4001 (TLM-30) It is used by electronics development companies to integrate LF RFID technology into their own OEM hardware in the simplest way with low wiring effort. The flexible firmware enable the processing of almost all standard LF 125 kHz and 134 kHz transponders.

Main Specifications

Frequencies	**LF** HF UHF
Material	FR4
Operating Temperature	-20°C to 65°C
IP Class	IP20
Compliance	RoHs & Reach, CE
Key Features	Small Size, Ultra Thin, Cost-Effective

Full Specifications

Product ID	4074
Name	MAGIC
PEAK Physics	- Short-range reader, by connecting the Antenna direct to OUTDRIVE connectors at the MAGIC 4074 - Up to mid-range reader by using external amplifiers und demodulators - External demodulators to increase sensitivity via INLOW - No crystal needed (int. resonator)
Material	FR4
Shape	Short Range
Long Description	The OEM RFID reader module MAGIC 4074 was developed for reading r/o and writing r/w LF 125/134 kHz transponders. It is compatible with the long-time approved module MAGIC 4001 (TLM-30) It is used by electronics development companies to integrate LF RFID technology into their own OEM hardware in the simplest way with low wiring effort. The flexible firmware enable the processing of almost all standard LF 125 kHz and 134 kHz transponders.
Key Features	Small Size, Ultra Thin, Cost-Effective
Main Use	Embedded

Article Type	Module
Color	Black
Length [mm]	22.9
Width [mm]	15.2
Thickness [mm]	9.2
Weight [g]	5
IP Class	IP20
PCB Material	FR4
Chemical Resistance	Not Specified
Flame Resistance	Not Specified
Mechanical Resistance	Not Specified
Compliance	RoHs & Reach, CE
Read / Read Write	Read&Write
Operating Temp °C (min)	-20
Operating Temp °C (max)	65
Storage Temp °C (min)	-20
Storage Temp °C (max)	65
Power Supply	3.3-5V
Frequency Range	125/134kHz
Current Consumption	< 60mA antenna ON and < 3mA antenna OFF
Interfaces Physical	Serial TTL
Interfaces Protocol	ASCII
Antenna Ports	2
Antenna int.	1
Antenna ext.	1
GPIO	3
Connection	16 x PIN-OUT (DIL-16 /400mil)
Firmware Update User	yes
Accessories	yes
Mounting Method	Embedded / Socket

VARIANTS

ID	Variant
4074-01-000-00	LF Read/Write