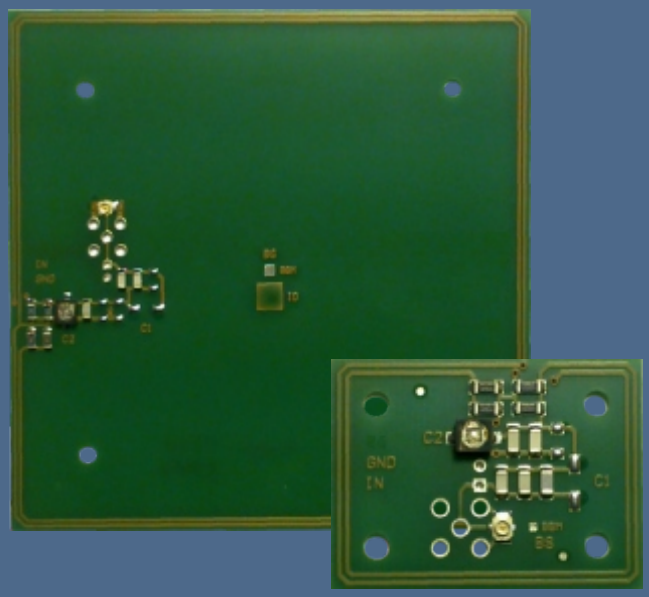
ID ISC.ANT40/30 & ID ISC.ANT100/100

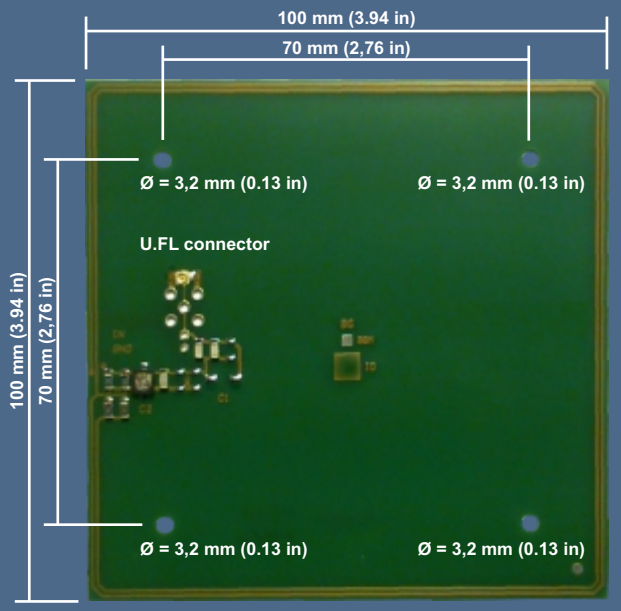
HF-Antenna for RFID proximity reader

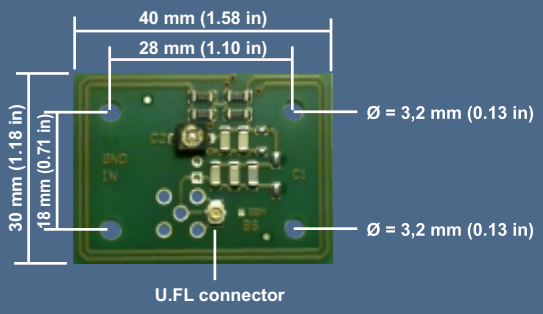


Pictures show layout with U.FL connector

- RFID antenna - Impedance: 50 Ω
- Frequency: 13.56 Mhz
- Transmitting power: 500 mW max.
- Data transfer rate up to 424 kbits/s
- Reading distance up to 14 cm (5.87 in) (ID ISC.ANT100.100)*
- 2 pin or U.FL connector option

- **Vending**
- **eTicketing**
- **eMobility**





Pictures show layout with U.FL connector

The external antennas ID ISC.ANT40/30 and ID ISC.ANT100/100 could be used with all supported HF reader modules of the OBID i-*scan*® *HF* und OBID® *classic-pro* series (ISO/IEC 14443-A / -B or ISO/IEC 15693).

* The reading ranges depends on the used transponder.
The ranges are based on an antenna inlay of 76 mm x 45 mm (2.99 in x 1.77 in).

Specifications

ID ISC.ANT40/30

Dimensions (W x H)	40 mm x 30 mm (1.58 in x 1.18 in)
Interface	
ID ISC.ANT40/30-A	2-pin connector
ID ISC.ANT40/30-U.FL-A	U.FL connector
Operating frequency	13.56 MHz
Impedance	50 Ω
Transmitting power	500 mW max.
Max. reading distance	up to 7 cm* (2.76 in)*
Data transfer rate	up to 424 kbit/s
Power supply	unneeded
Environmental conditions	
Operation	-25 °C to +70 °C (-13°F to +158°F)
Storage	-40 °C to +85 °C (-40°F to +185°F)
Relative humidity	0 % - 95 % (noncondensing)

ID ISC.ANT100/100

Dimensions (W x H)	100 mm x 100 mm (3.94 in x 3.94 in)
Interface	
ID ISC.ANT100/100-A	2-pin connector
ID ISC.ANT100/100-U.FL-A	U.FL connector
Operation frequency	13.56 MHz
Impedance	50 Ω
Transmitting power	500 mW max.
Max. reading distance	up to 14cm* (5.87 in)*
Data transfer rate	up to 212 kbit/s
Power supply	unneeded
Environmental conditions	
Operation	-25 °C to +70 °C (-13°F to +158°F)
Storage	-40 °C to +85 °C (-40°F to +185°F)
Relative humidity	0 % - 95 % (noncondensing)

Certifications of conformity

Environment	WEEE – 2002/96/EC
	RoHS – 2002/95/EC

Supported products

OBID i-*scan*® *HF*	ISC.M02-B
	ISC.M02.M8-B
OBID® *classic-pro*	CPR.M02.VP/AB-BA
	CPR.M02.VP/AB-CA
	CPR40.01-x
	CPR44.0x

Subject to modifications.
Rev. 2012 / 02

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