

RFID transponder with SPI master interface (ISO 14443A)

Advance Information D14BL01

Key features

- Provides RFID access to any SPI slave
- Fully compliant to ISO 14443A
- Anti-collision and selection
- Data transfer rate up to 848 kb/s
- Programmable UID (up to 10 bytes)
- 1 kb user accessible EEPROM
- Can supply 3.3 V (10 mA) to slave
- SPI transfer rate up to 6 MHz
- Transparent mode from reader to SPI
- Available in 10-lead SOIC, other packages on request
- Known Good Die on request
- Operation **up to 10 cm** from reader with credit card size antenna

Description

The DELTA Microelectronics D14BL01 is an ISO 14443A transponder (PICC) equipped with a master SPI interface. All anti-collision and selection are supported.

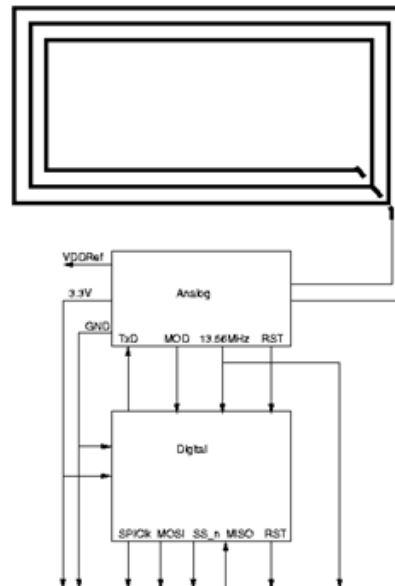
All frames at higher level than ISO 14443-3 or ISO 14443-4 are passed through to SPI port. Use of an ISO 14443A reader in pass through mode will allow wireless access to any SPI slave. The slave can even be powered by the D14BL01 with energy from the reader.

With credit card size antenna, operation up to 10 cm from reader is possible.

Reference design exists.

Applications

RF reading of temperature, acceleration, pressure, tilt, voltage, light etc.



For further information please contact us

asic@delta.dk