



PRODUCT DATASHEET

Mifare® NRG SLE66R35

ISO 14443A

PAV Card

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Chip manufacturer: Infineon
Product: Mifare® NRG SLE66R35

Memory:

EEPROM size: 1024 bytes
Write endurance: 100,000 cycles
Data retention: 10 years
Organisation: 16 sectors with 4 blocks of 16 bytes each

RF-Interface:

According: ISO 14443A
Frequency: 13.56 MHz
Baudrate: up to 106 kbit/s
Anticollision: yes
Operating Distance: up to 10 cm

Please note: Max. reading range depends on used RF standard, the requirements of national spectrum management authorities, reader application, antenna, transponder and

Security:

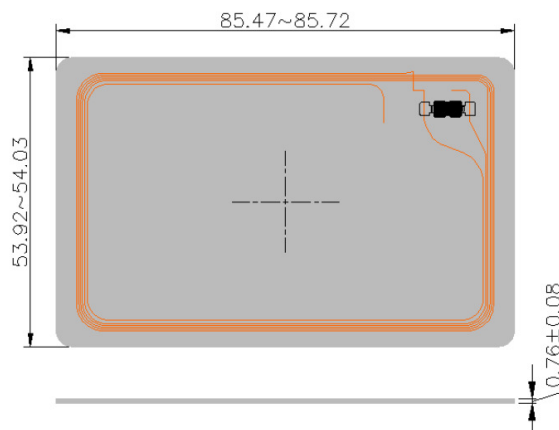
- Mutual three pass authentication between card and reader
- Data encryption for RF channel
- Data integrity supported by several mechanisms: anticollision, 16 bit CRC, parity check, bit count checking and channel monitoring
- Suited for multifunctional applications by individual key sets for each EEPROM sector
- Access protection to EEPROM by transport key on chip delivery

Special Features:

- EEPROM programming time 5 ms
- ESD protection typical 6 kV

subject to change without notice, errors excepted

Contactless cards in standard ISO format.
Produced according ISO 7810 / ISO 7816 - with advanced antenna and assembly technologies.



This picture shows a MCC2 module and its copper wire antenna. The contacting is realized by thermo compression-welding.

PVC is the standard material for contactless cards. Generally we can produce cards with other materials like PET, PEC, PC or composite. These alternative materials are on request.

We provide PVC cards with glossy or matt surface. The glossy surface allows the customer to personalise the cards by printing.

Additionally a microcontroller (contact chip) and/or magnetic strip (HiCo, LoCo) can be used for multiusage cards.

Additional Services:

Security:

- hologram
- signature panel
- magnetic stripe (incl. encoding)
- barcode
- UV printing

Chip encoding:

- encoding of contactless chip

Personalisation:

- thermo transfer / dye sublimation
- laser lettering
- embossing
- digital printing

Printing technologies:

- (UV-)offset printing
- silk-screen printing
- digital printing

Thermo rewrite function:

- thermo rewrite foil (optional one side covered or as stripe)