

## SEDNA - 13.56 MHz RFID IC 120 bits compatible ISO 15693/18000-3

### Features

- 120 bits EEPROM (ST LRI64)
- Memory organized in 15 blocks of 8 bits (1 byte)
- 64 bits UID Unique Identification
- 56 bits WORM (Write Once – Read Many)
- AFI register (Application Family Identifier)
- DSFID register (Data Storage Format Identifier)
- Typical operating frequency : 13.56MHz
- Anticollision
- ISO 15693 compatible with the following configuration
  - To the tag: 10% ASK modulation using ¼ pulse coding (26kbit/s)
  - From the tag: Manchester coding with 423kHz single sub-carrier (26kbit/s)

### Memory Organisation

- 1 Byte -	
Block 0	UID 0
Block 1	UID 1
Block 2	UID 2
Block 3	UID 3
Block 4	UID 4
Block 5	UID 5 = IC ID
Block 6	UID 6 = 02h
Block 7	UID 7 = E0h
Block 8	WORM area (AFI register)
Block 9	WORM area (DSFID register)
Block 10	WORM area
Block 11	WORM area
Block 12	WORM area
Block 13	WORM area
Block 14	WORM area

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