



## IS23SC1604

### Features

- 16K bits (2K x 8) serial EEPROM with security logic
- Independent Security Codes for Data access after validation operations
- Provides transportation code security
- Manufactured with low power CMOS technology
- Single 5V supply with Vpp internally generated
- 2μs Read access time; 5mS Write/Erase time
- Operating temperature range from 0C to 70C
- Highly reliable 1,000,000 erase/write cycles; 10 years data retention

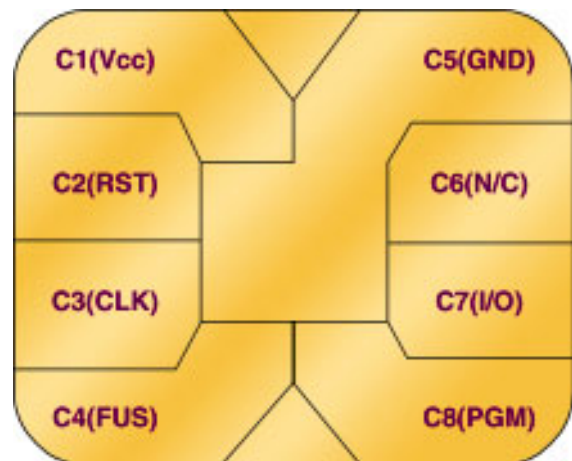
### Security

- Data access only after validation of Security Codes
- Independent Read/Write protection of memory zones
- Permanent invalidation of Security Codes after eight false attempts
- Two security levels for Card Issuer and End User
- Permanent fuse protection on passwords and personal data

### Description

IS23SC1604 is a low-cost and low power, highly secured 16K bits (2Kx8) serial EEPROM. It is fabricated using ISSI's advanced CMOS technology.

The IS23SC1604 provides 15704 bits of memory in four application zones. Each application zone is protected by multiple security codes independently from unauthorized read/write/erase access. An internal security fuse protects the personalized data written by card issuer.



**Integrated Silicon Solution, Inc.**



## To Order

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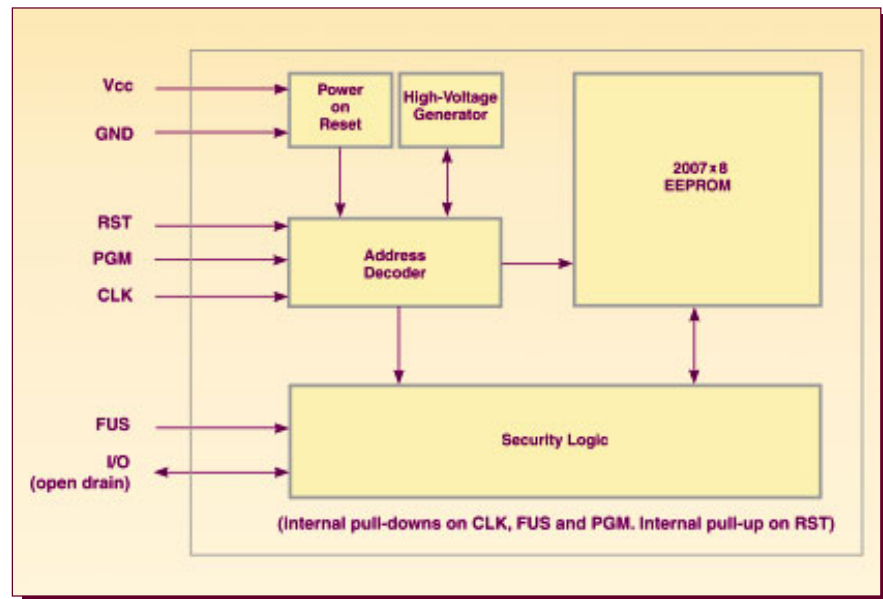
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| SIO contact number | PAD name | Description                          |
|--------------------|----------|--------------------------------------|
| C1                 | Vcc      | 5V power Supply                      |
| C2                 | RST      | Reset                                |
| C3                 | CLK      | Serial Clock and Address Control     |
| C4                 | FUS      | Security fuse Pin                    |
| C5                 | GND      | Ground                               |
| C6                 | N/C      | No connec                            |
| C7                 | I/O      | Bi-direction data input/output       |
| C8                 | PGM      | Programming control for(write/erase) |



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