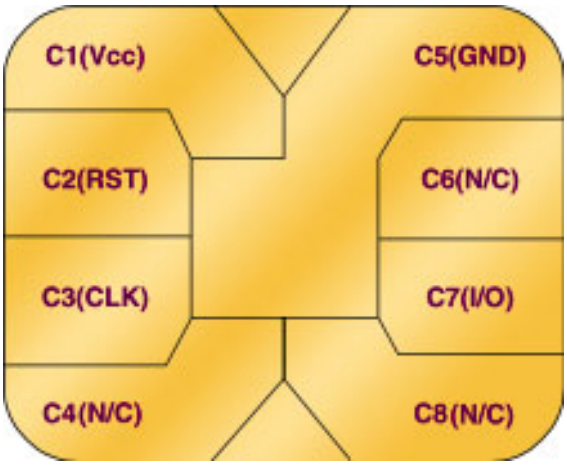
Smart Card

ISSI®

Integrated Silicon Solution, Inc.

IS23SC4428

Features



- 1024 x 8 bits serial EEPROM
- Byte-wise addressing
- Random read access to any memory location
- 2-byte programmable security code (PSC) protection
- Manufactured with low power CMOS technology
- Single 5V supply with Vpp internally generated
- 20KHz read access; 5mS programming time
- Operating temperature range from 0C to 70C
- Highly reliable 1,000,000 erase/write cycles; 10 years data retention

Security

- Write protected with 2-byte PSC
- Without entering PSC, only read access is possible
- Permanent blocking of PSC after a maximum of eight attempts on PSC
- Each byte is protected individually by its own protect bit
- Provides transportation code during device manufacturing

Description

IS23SC4428 contains 1024 x 8 bits serial EEPROM with programmable write protection for each byte. Random access to any byte except PSC is always possible. The memory can also be written/erased byte by byte after the two bytes PSC are verified successfully. Each byte in the memory is protected by an its individual protect bit. The protect bit is one-time programmable and cannot be erased. After the protect bit is enabled, the corresponding byte cannot be changed again.

To Order

ISSI Regional Sales Offices

Headquarters & West Coast Office
Santa Clara, California
PHONE: 408-588-0800
FAX: 408-588-0805
E-MAIL: sales@issi.com
www.issi.com

East Coast Office
Nashua, NH
PHONE: 603-594-4176
FAX: 603-594-4181
E-MAIL: gpolanec@msn.com

Central Office
Dallas, TX
PHONE: 972-488-9691
FAX: 877-716-5582
E-MAIL: lzastrow@flash.net

Europe Office
Devon, England
PHONE: 44-1752-764285
FAX: 44-1752-764289
E-MAIL: glouch@issi.com05

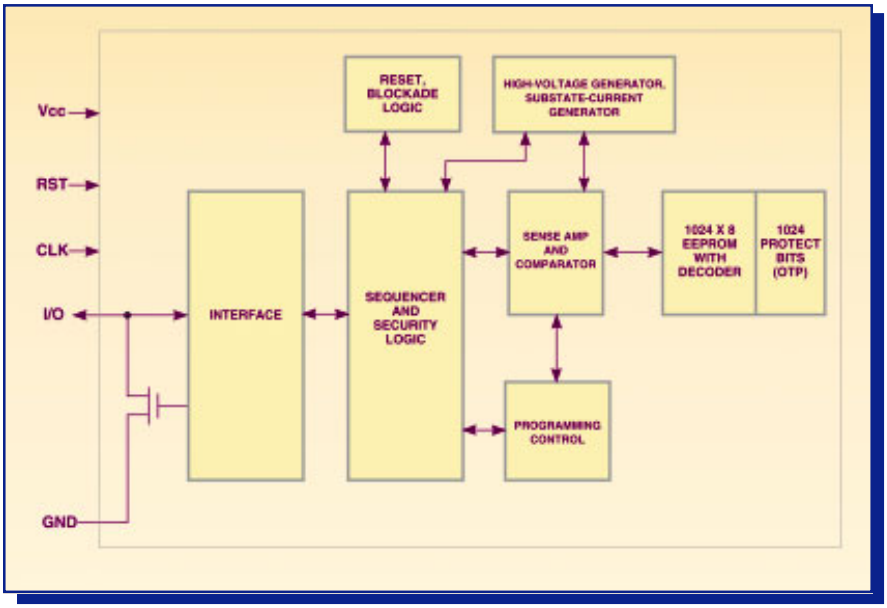
China Offices

Shanghai
PHONE: +86 21 5080 2288
FAX: +86 21 5080 2028
E-MAIL: issish@sh163c.sta.net.cn

Shenzhen
PHONE: 86755-663-3977
FAX: 86755-663-3984
E-MAIL: issi@public.szptt.net.cn

Suzhou
PHONE: 86512-725-0384
FAX: 86512-725-0536
E-MAIL: ississ@public1.sz.js.cn

Beijing
PHONE: 86-10-6824-3301
FAX: 86-10-6816-9097
E-MAIL: issibj@public.bta.net.cn

Hong Kong
PHONE: 852-2319-2211
FAX: 852-2319-2004

ISO contact	Pad	Description
C1	Vcc	5V power supply
C2	RST	Reset
C3	CLK	Serial clock
C4	N/C	No connect
C5	GND	Ground
C6	N/C	No connect
C7	I/O	Serial data I/O(Open drain)
C8	N/C	No connect