



# Serial Quad I/O™ (SQI™) Flash Memory

Shifting Serial Memory Into High Gear

26 Series

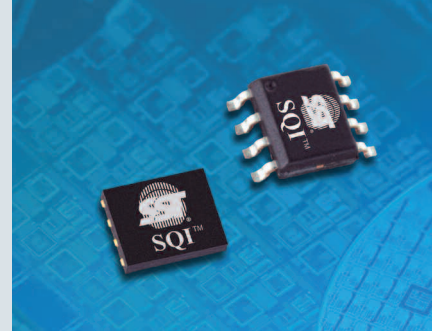
Product Brief

April 2008

## Product Description

SST 26 Series boosts performance while maintaining the compact form factor of standard serial devices. Utilizing Serial Quad Interface (SQI) and operating at frequencies reaching 80 MHz, SST 26 Series is a perfect choice for Bluetooth headsets, optical disk drives and GPS applications.

SST 26 Series SQI flash memories are manufactured with SST's proprietary, high performance CMOS SuperFlash® Technology, significantly improving performance and reliability while lowering power consumption. For cutting edge designs requiring high bandwidth and compact layout, SST 26 Series is an ideal solution.



## Key Features

### High Speed Clock Frequency

- 80 MHz Max

### Serial Interface Architecture

- 4-bit multiplexed I/O's with SPI-like serial command structure (mode 3 and mode 1)
- SPI protocol support for Read, High Speed Read & Jedec ID Read

### Burst Read

- 8, 16, 32, 64 byte burst with wrap around

### Index Jump

- Reduce number of input clocks for faster data access

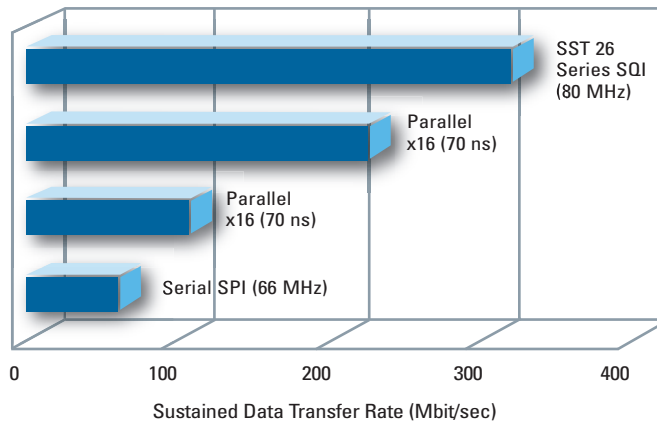
### Write Suspend and Resume

- Suspend Program or Erase operation

### Protection / Security

- Individual Block Locking (64 KB blocks with 8x8 KB parameter blocks)
- Write protection through Block-Protection bits in status register
- One Time Programmable (OTP) 256-bit Secure ID

## Flash Performance Comparison



## Applications

- Bluetooth Headsets
- Optical Disk Drives
- GPS
- Portable Media Devices
- Digital Video Recorder
- Blu-Ray
- Hard Disk Drives



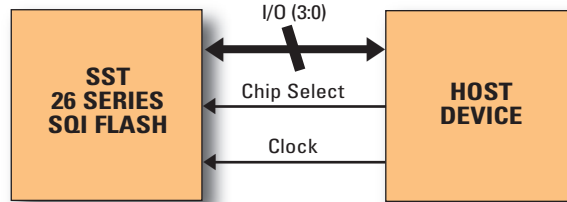
### Silicon Storage Technology, Inc.

1171 Sonora Court  
 Sunnyvale, CA 94086-5308  
 Tel: (408) 735-9110  
 Fax: (408) 735-9036

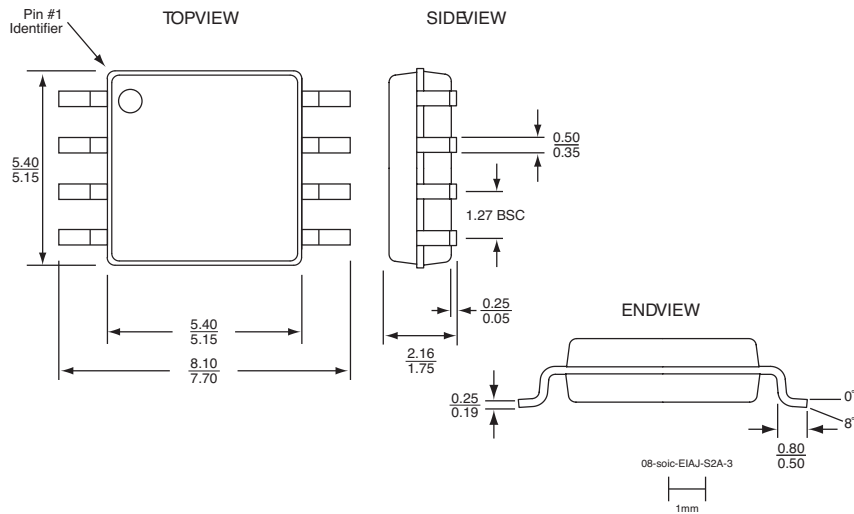
[www.SST.com](http://www.SST.com)  
[www.SuperFlash.com](http://www.SuperFlash.com)

26 Series					
Product	Density	Voltage	Clock Frequency	Temperature	Packages
SST26VF016	16 Mbit	2.7-3.6V	80 MHz	Commercial / Industrial	8-SOIC, 8-WSON
SST26VF032	32 Mbit	2.7-3.6V	80 MHz	Commercial / Industrial	8-SOIC, 8-WSON
SST26VF064	64 Mbit	2.7-3.6V	80 MHz	Commercial / Industrial	16-SOIC

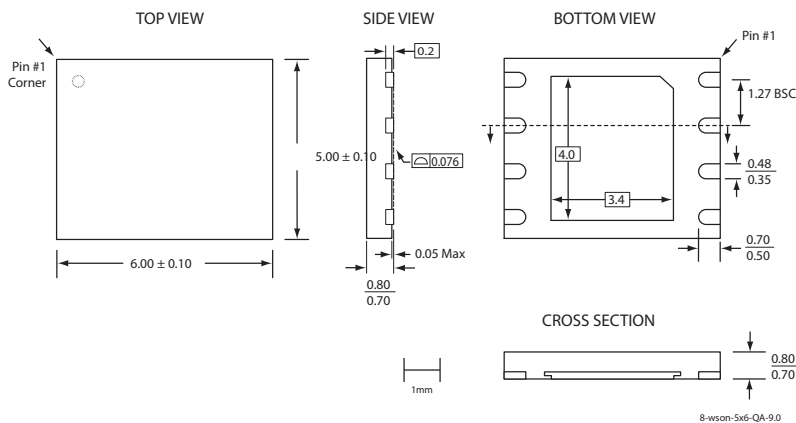
### Interface



### Package Diagram (8-SOIC)



### Package Diagram (8-WSON)



Silicon Storage Technology, Inc.  
 1171 Sonora Court,  
 Sunnyvale, CA 94086-5308  
 Tel: (408) 735-9110  
 Fax: (408) 735-9036

[www.sst.com](http://www.sst.com)  
[www.superflash.com](http://www.superflash.com)

For more information please contact your local SST Sales Representative. See the "Sales" page of [www.sst.com](http://www.sst.com) for complete listings.

© 2008 Silicon Storage Technology, Inc. The SST logo, SST and SuperFlash are registered trademarks of Silicon Storage Technology, Inc. These specifications are subject to change without notice.

615-01 04/08 Litho in U.S.A.