NOR Flash Serial (SPI, Dual SPI, Quad SPI) 3V/3.3V 32M-bit 32M/16M/8M x 1/2-bit/4-bit 8-Pin SOIJ Tube

Manufacturer:	Microchip Technology, Inc
Package/Case:	SOIJ-8
Product Type:	Memory
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active
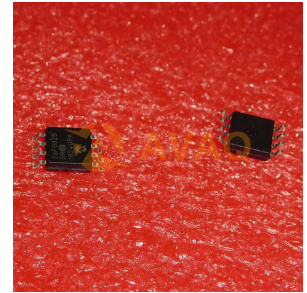
Images are for reference only

Inquiry

General Description

The SST26VF032B Serial Quad I/O (SQI) flash device utilizes a 4-bit multiplexed I/O serial interface to boost performance while maintaining the compact form factor of standard serial flash devices. SST26VF032B also support full command-set compatibility to traditional Serial Peripheral Interface (SPI) protocol. Operating at frequencies reaching 104 MHz, the SST26VF032B enables minimum latency execute-in-place (XIP) capability without the need for code shadowing on an SRAM. The device's high performance and reliability make it the ideal choice for Network Appliance, DSL and Cable Modems, Wireless Lan, Computing, Digital TV, Smart Meter, Server, Set Top Box, Automotive and other Industrial applications. Further benefits are achieved with SST's proprietary, high-performance CMOS SuperFlash® technology, which significantly improves performance and reliability, and lowers power consumption for high bandwidth, compact designs.

The **SST26VF032B** default at power up is with **WP# and HOLD pins enable and SIO2 and SIO3 pins disable** allowing for SPI protocol operations without register configuration.
The **SST26VF032BA** default at power up with **WP# and HOLD pins disable and SIO2 and SIO3 pins enable** allowing for Quad I/O operations without register configuration.

Key Features

Single voltage read and write operations

Serial interface architecture

High speed clock frequency

Burst modes - Continuous linear burst and 8/16/32/64 Byte linear burst with wrap-around

Superior reliability - 100000 cycles endurance and greater than 100-year data retention

Low power consumption

Fast erase time

Page-program - 256 bytes per page in x1 or x4 mode

End-of-write detection - Software polling the BUSY bit in status register

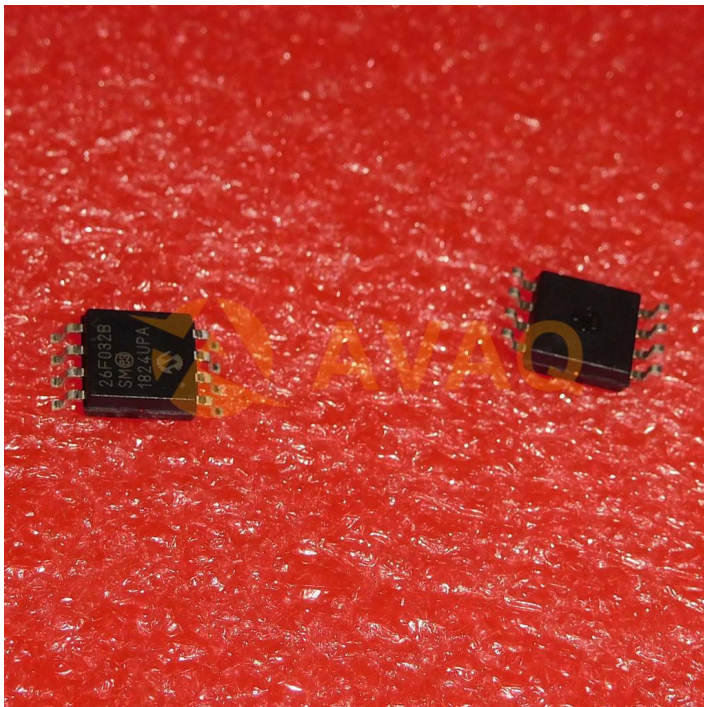Flexible erase capability - Uniform 64kB overlay blocks and uniform 4kB sectors

Write-suspend - Suspend program or erase operation to access another block/sector

Software reset (RST) mode

Software write protection

Application

Industrial

Recommended For You

SST39VF1602-70-4I-EKE	SST25VF080B-50-4C-S2AF	AT24C64D-SSHM-T
Microchip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
TSOP48	SOP8	SOP8

AT25256B-SSHL-T	**AT24C08C-SSHM-T**	**AT24C256C-SSHL-T**
Microchip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
SOP8	SOP8	SOP8

AT24C32D-SSHM-T	**AT24C02C-SSHM-T**	**AT24C16C-SSHM-B**
Microchip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
SOP8	SOP8	SOP-8

AT93C56B-SSHM-T	**AT25040B-SSHL-B**	**AT25128B-SSPDGV-T**
Microchip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
SOP8	SOP-8	SOP8

SST39SF040-70-4C-WHE	**SST39SF010A-70-4C-NHE**	**SST26VF016-80-5I-S2AE**
Microchip Technology, Inc	Microchip Technology, Inc	Microchip Technology, Inc
TSOP	PLCC32	SOP8