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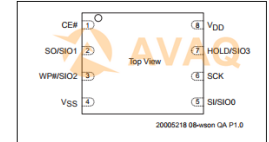

FIGURE 2-2: PIN DESCRIPTION FOR 8-CONTACT WDFN

Images are for reference only

Manufacturer:	Microchip Technology, Inc
Package/Case:	WDFN-8
Product Type:	Memory
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Active

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

Serial interface architecture - mode 0/3

Nibble-wide multiplexed I/O with SPI-like serial command structure

High speed clock frequency - 104MHz maximum

Burst modes - continuous linear burst

Superior reliability

Endurance - 100000 cycles minimum

Greater than 100 years data retention

Low power consumption

Fast erase time

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

Flexible erase capability

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

Software reset (RST) mode

Software write protection

Individual-block write protection with permanent lock-down capability

Read protection on top and bottom 8-Kbyte parameter blocks

Security ID

User-programmable area

Application

Computers & Computer Peripherals, Industrial, Communications & Networking, Consumer Electronics
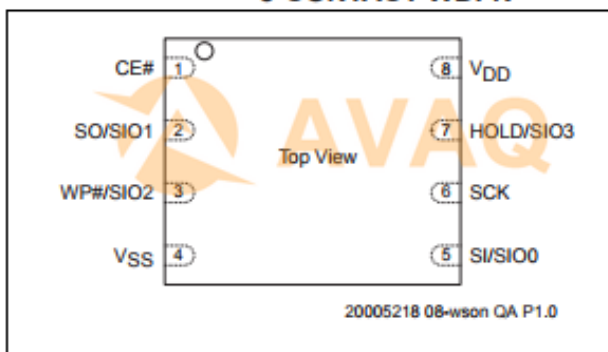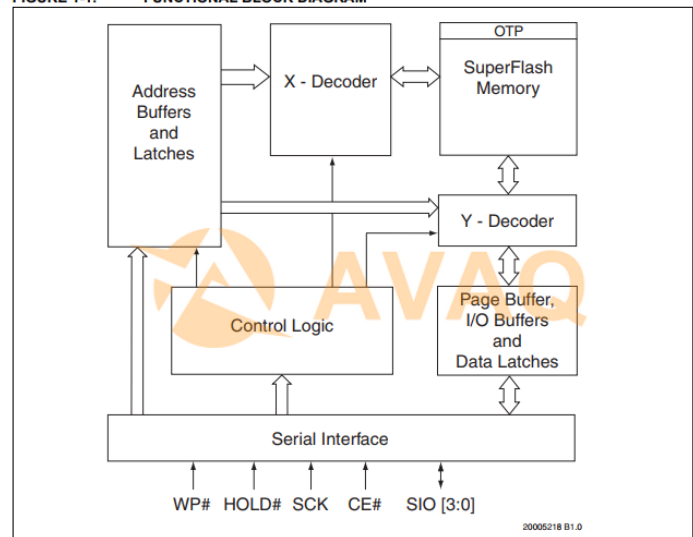

FIGURE 2-2: PIN DESCRIPTION FOR 8-CONTACT WDFN

FIGURE 1-1: FUNCTIONAL BLOCK DIAGRAM

Recommended For You

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SST39VF1602-70-4I-EKE

Microchip Technology, Inc

TSOP48

SST25VF080B-50-4C-S2AF

Microchip Technology, Inc

SOP8

AT24C64D-SSHM-T

Microchip Technology, Inc

SOP8

AT25256B-SSHL-T

Microchip Technology, Inc

SOP8

AT24C08C-SSHM-T

Microchip Technology, Inc

SOP8

AT24C256C-SSHL-T

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AT24C32D-SSHM-T

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AT24C16C-SSHM-B

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SOP-8

AT93C56B-SSHM-T

Microchip Technology, Inc

SOP8

AT25040B-SSHL-B

Microchip Technology, Inc

SOP-8

AT25128B-SSPDGV-T

Microchip Technology, Inc

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SST39SF040-70-4C-WHE

Microchip Technology, Inc

TSOP

SST39SF010A-70-4C-NHE

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SST26VF016-80-5I-S2AE

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SOP8