

NOR Flash Serial-SPI 3.3V 8M-bit 1M x 8 8ns 8-Pin SOIC Tube



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: SOP8

Product Type: Memory

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The SST25VF080B devices are enhanced with improved operating frequency for lower power consumption. SST25VF080B SPI serial flash memories are manufactured with SST's proprietary, high-performance CMOS SuperFlash technology. The split-gate cell design and thick-oxide tunneling injector attain better reliability and manufacturability compared with alternate approaches.

Key Features

Supports 50 MHz SPI clock (80 MHz no longer available see EOL NOTIFICATION)

Endurance: 100,000 Cycles (typical)

Greater than 100 years Data Retention

Program & Erase Current: 30mA (max)

Active Read Current: 10 mA (typical)

Standby Current: 5 μ A (typical)

Uniform 4 KByte sectors

Uniform 32 KByte & 64 KByte overlay blocks

Chip-Erase Time: 35 ms (typical)

Sector-/Block-Erase Time: 18 ms (typical)

Byte-Program Time: 7 μ s (typical)

Decrease total chip programming time over Byte-Program operations

Software polling the BUSY bit in Status Register

Busy Status readout on SO pin in AAI Mode

Suspends a serial sequence to the memory without deselecting the device

Enables/Disables the Lock-Down function of the status register

Write protection through Block-Protection bits in the status register

Commercial: 0°C to +70°C

Industrial: -40°C to +85°C

Recommended For You

SST39VF1602-70-4I-EKE

Microchip Technology, Inc

TSOP48

SST25VF080B-50-4C-S2AF

Microchip Technology, Inc

SOP8

AT24C64D-SSHMT

Microchip Technology, Inc

SOP8

AT25256B-SSHL-T

Microchip Technology, Inc

SOP8

AT24C08C-SSHMT

Microchip Technology, Inc

SOP8

AT24C256C-SSHL-T

Microchip Technology, Inc

SOP8

AT24C32D-SSHMT

Microchip Technology, Inc

SOP8

AT24C02C-SSHMT

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SOP8

AT24C16C-SSHMT-B

Microchip Technology, Inc

SOP-8

AT93C56B-SSHM-T

Microchip Technology, Inc
SOP8

AT25040B-SSHL-B

Microchip Technology, Inc
SOP-8

AT25128B-SSPDGV-T

Microchip Technology, Inc
SOP8

SST39SF040-70-4C-WHE

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TSOP

SST39SF010A-70-4C-NHE

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PLCC32

SST26VF016-80-5I-S2AE

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