

SST39VF512Status: In ProductionBuy it Now

DocumentationPricing & SamplesDevelopment ToolsRoHS Information

The SST39VF512 is a 64K x8CMOS Multi-Purpose Flash (MPF) manufactured with 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. The SST39VF512 device writes (Program or Erase) with a 2.7-3.6V power supply. The device conforms to JEDEC standard pinouts for x8 memories.



Parameter Name	Value	Features
Density	512 Kbit	- Organized as 64K x8 / 128K x8 / 256K x8 / 512K x8 - Low Power Consumption - Active Current: 5 mA (typical) - Standby Current: 1 µA (typical) - Sector-Erase Capability - Uniform 4 KByte sectors - Fast Erase and Byte-Program: - Sector-Erase Time: 18 ms (typical) - Chip-Erase Time: 70 ms (typical) - Byte-Program Time: 14 µs (typical) - Chip Rewrite Time: 1 second (typical) for SST39LF/VF512 - Packages Available 32-lead PLCC 32-lead TSOP (8mm x 14mm) 48-ball TFBGA (6mm x 8mm) All non-Pb(lead-free) devices are RoHS compliant
Op. Volt Range (V)	2.7 to 3.6	
Max. Clock Freq.	1 kHz	
Read Access Time	70ns	
Endurance	100,000	

Documentation

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English	中文	日本語
Application Notes		
S72005-03-000 - Million Cycle Endurance		Last Updated: 09/23/2010
S72014-04-000 - Designing In SST Multi-Purpose Flash (39 Series) Byte-wide Products		Last Updated: 09/23/2010
S72015-02-000 - Recommended Land Pattern for SST TSOP Devices		Last Updated: 09/23/2010
S72049-00-000 - Multi-Purpose Flash Power Ratings		Last Updated: 09/23/2010
Brochures		
Utility Metering Brochure		Last Updated: 04/27/2011
Device Documentation		
SST39VF512_Driver		Last Updated: 09/29/2010
SST39VF512n_IBIS		Last Updated: 09/29/2010
SST39VF512w_IBIS		Last Updated: 09/29/2010
Product Brief		
39 Series_MPF and MPF+_Product Brief		Last Updated: 10/20/2010
Product Selection Tools		
SST Product Selection Guide Fall 2010		Last Updated: 10/20/2010

Pricing & Samples Information

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 = Sample a part  = Buy a part Click on any of the underlined column headers to sort by that column. All pricing shown in USD only.

Sample	Buy	Part Number	Leads	Package Type	Temp Range	Packing	1-25	26-99	100+	1000-4999	5000+
		SST39VF512-70-4C-NHE	32	PLCC	0C to +70C	TUBE	1.18	1.05	0.98	0.91 *	0.83 *
		SST39VF512-70-4C-NHE-T	32	PLCC	0C to +70C	T/R	1.26	1.13	1.05	0.97 *	0.89 *
		SST39VF512-70-4C-WHE	32	TSOP	0C to +70C	TRAY	1.31	1.17	1.09	1.01 *	0.92 *
		SST39VF512-70-4C-WHE-T	32	TSOP	0C to +70C	T/R	1.40	1.25	1.16	1.08 *	0.98 *
		SST39VF512-70-4I-NHE	32	PLCC	-40C to +85C	TUBE	1.18	1.05	0.98	0.91 *	0.83 *
											

		SST39VF512-70-4I-NHE-T	32	PLCC	-40C to +85C	T/R	1.26	1.13	1.05	0.97 *	0.89 *
		SST39VF512-70-4I-WHE	32	TSOP	-40C to +85C	TRAY	1.31	1.17	1.09	1.01 *	0.92 *
		SST39VF512-70-4I-WHE-T	32	TSOP	-40C to +85C	T/R	1.40	1.25	1.16	1.08 *	0.98 *

* microchipDIRECT "business" account and approved quote required. Open a microchipDIRECT account today!

** Device not available to purchase online. Please contact a sales office for pricing information.

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 RoHS Information

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To see a complete listing of RoHS data for this device, please click [here](#).

Microchip Technology Inc Full Part Number	Lead Count	Package Type	Package Width	Solder Composition	JEDEC Indicator	RoHS	China EUIP
SST39VF512-70-4I-WHE-T	32	TSOP	8x14 mm	Matte Sn	e3		
SST39VF512-70-4C-WHE-T	32	TSOP	8x14 mm	Matte Sn	e3		
SST39VF512-70-4I-WHE	32	TSOP	8x14 mm	Matte Sn	e3		
SST39VF512-70-4C-WHE	32	TSOP	8x14 mm	Matte Sn	e3		
SST39VF512-70-4C-NHE-T	32	PLCC		Matte Sn	e3		
SST39VF512-70-4C-NHE	32	PLCC		Matte Sn	e3		
SST39VF512-70-4I-NHE	32	PLCC		Matte Sn	e3		
SST39VF512-70-4I-NHE-T	32	PLCC		Matte Sn	e3		

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