

Description

The SST39SF010A / SST39SF020A / SST39SF040 are CMOS Multi-Purpose Flash (MPF) devices manufactured with SST 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 SST39SF010A / SST39SF020A / SST39SF040 write (Program or Erase) with a 4.5-5.5V power supply, and conforms to JEDEC standard pinouts for x8 memories.

This document provides supplemental information about the 45 ns SST39SF010A / SST39SF020A / SST39SF040 parts which are End-of-Life (EOL). Except for the information provided herein, the 45 ns parts behave as described in the SST39SF010A / SST39SF020A / SST39SF040 data sheet DS-25002. See page 3 for specific part numbers.

AC Characteristics

Table 1: AC Conditions of Test

Input Rise/Fall Time	Output Load
5ns	$C_L = 30 \text{ pF}$ for 45 ns

T1.1 25162

Table 2: Read Cycle Timing Parameters $V_{DD} = 4.5\text{-}5.5\text{V}$

Symbol	Parameter	SST39SF010A/020A/040-45		Units
		Min	Max	
T_{RC}	Read Cycle Time	45		ns
T_{CE}	Chip Enable Access Time		45	ns
T_{AA}	Address Access Time		45	ns
T_{OE}	Output Enable Access Time		30	ns
T_{CLZ}^1	CE# Low to Active Output	0		ns
T_{OLZ}^1	OE# Low to Active Output	0		ns
T_{CHZ}^1	CE# High to High-Z Output		15	ns
T_{OHZ}^1	OE# High to High-Z Output		15	ns
T_{OH}^1	Output Hold from Address Change	0		ns

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1. This parameter is measured only for initial qualification and after a design or process change that could affect this parameter.

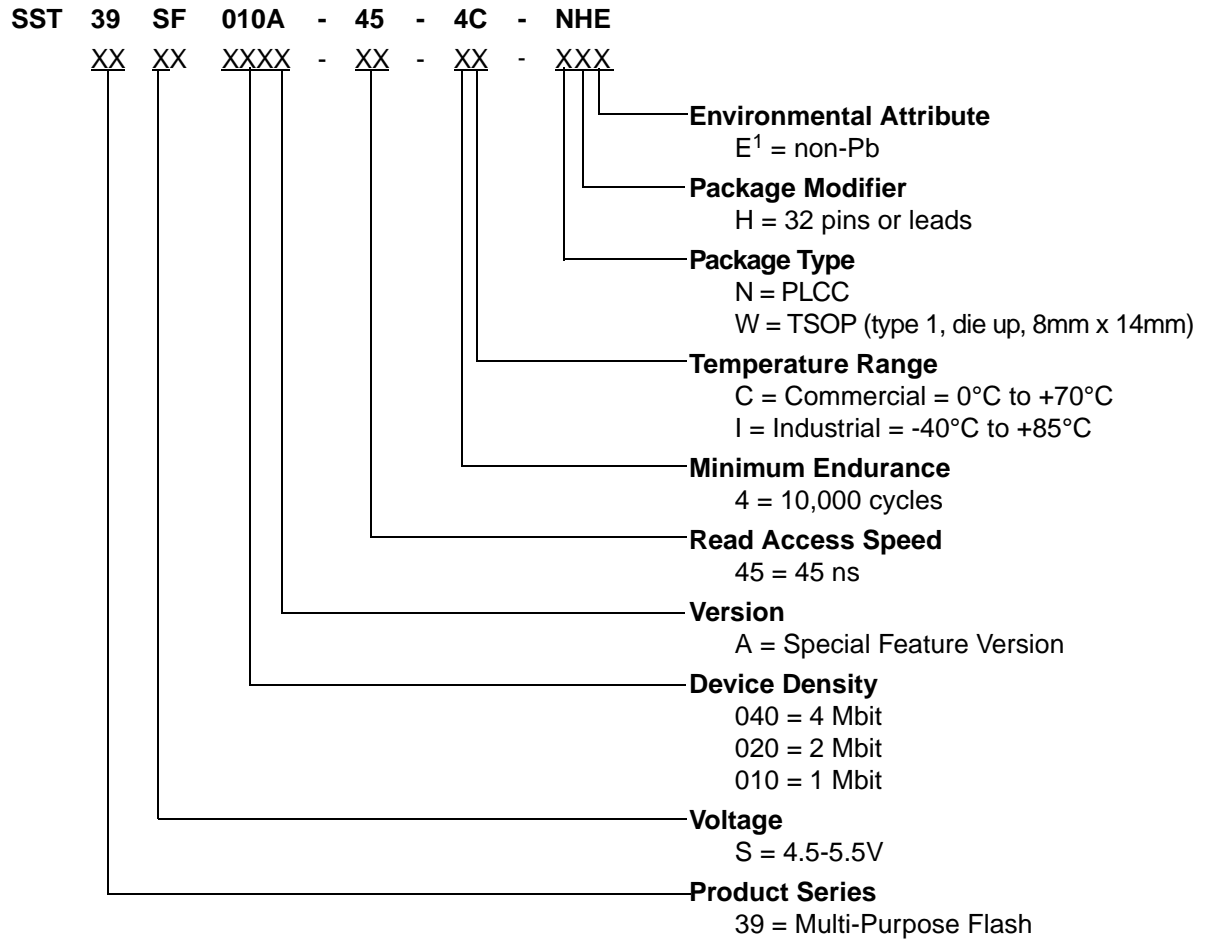


SST39SF010A / SST39SF020A / SST39SF040

45 ns EOL Supplemental Information

EOL Data Sheet

Product Ordering Information



1. Environmental suffix "E" denotes non-Pb solder. SST non-Pb solder devices are "RoHS Compliant".



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EOL Data Sheet

Valid combinations for SST39SF010A

SST39SF010A-45-4C-NHE	SST39SF010A-45-4C-WHE
SST39SF010A-45-4I-NHE	SST39SF010A-45-4I-WHE

Valid combinations for SST39SF020A

SST39SF020A-45-4C-NHE	SST39SF020A-45-4C-WHE
SST39SF020A-45-4I-NHE	SST39SF020A-45-5I-WHE

Valid combinations for SST39SF040

SST39SF040-45-4C-NHE	SST39SF040-45-4C-WHE
SST39SF040-45-4I-NHE	SST39SF040-45-4I-WHE

Note: Valid combinations are those products in mass production or will be in mass production. Consult your SST sales representative to confirm availability of valid combinations and to determine availability of new combinations.



SST39SF010A / SST39SF020A / SST39SF040

45 ns EOL Supplemental Information

EOL Data Sheet

Table 3: Revision History

Revision	Description	Date
A	<ul style="list-style-type: none">EOL document for 45 ns parts	Mar 2013

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Specifications are subject to change without notice. Refer to www.microchip.com for the most recent documentation. For the most current package drawings, please see the Packaging Specification located at <http://www.microchip.com/packaging>.

Memory sizes denote raw storage capacity; actual usable capacity may be less.

SST makes no warranty for the use of its products other than those expressly contained in the Standard Terms and Conditions of Sale.

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