

## SERIAL EEPROM MEMORY ICS

## MICROWIRE® COMPATIBLE SERIAL EEPROMS (CONT.)

Mfg. Part No.	Packaging	Memory Size	Frequency	Supply Voltage	Stock No.	Price Each 1-24+
<b>Microwire, 256 x 16bit</b>						
● 93LC66B/P	DIP-8	4Kbit	2MHz	2.5V-5.5V	33C3024	---
● 93C66B-I/P	DIP-8	4Kbit	3MHz	4.5V-5.5V	61H6625	0.32
● 93LC66B-I/MS	MSOP-8	4Kbit	2MHz	2.5V-5.5V	30H4819	---
● 93LC66B-I/SN	SOIC-8	4Kbit	2MHz	2.5V-5.5V	88K1505	---
● 93LC66B/SN	SOIC-8	4Kbit	2MHz	2.5V-5.5V	69K7678	---
● 93C66B-I/SN	SOIC-8	4Kbit	3MHz	4.5V-5.5V	61H6627	---
● 93AA66BT-I/OT	SOT-23-6	4Kbit	2MHz	1.8V-5.5V	30H4568	---
● 93LC66BT-I/OT	SOT-23-6	4Kbit	2MHz	2.5V-5.5V	30H4829	---
● 93LC66B-I/ST	TSSOP-8	4Kbit	3MHz	2.5V-5.5V	92C7718	---
<b>Microwire, 2K x 8bit</b>						
● 93LC86AT-I/OT	SOT-23-6	16Kbit	3MHz	2.5V-5.5V	61H6893	---
<b>Microwire, 2K x 8bit / 1K x 16bit</b>						
● 93LC86C-I/P	DIP-8	16Kbit	3MHz	2.5V-5.5V	96K4116	---
● 93LC86/P	DIP-8	16Kbit	3MHz	2.5V-6V	62K2087	---
● 93AA86C-I/SN	SOIC-8	16Kbit	3MHz	1.8V-5.5V	61H6505	---
● 93LC86/SN	SOIC-8	16Kbit	3MHz	2.5V-6V	62K2088	---
● 93C86C-I/SN	SOIC-8	16Kbit	3MHz	4.5V-5.5V	61H6767	---
<b>Microwire, 512K x 8bit</b>						
● 93LC66A-I/P	DIP-8	4Kbit	2MHz	2.5V-5.5V	69K7677	---
● 93C66A-I/P	DIP-8	4Kbit	3MHz	4.5V-5.5V	61H6596	---
● 93AA66AT-I/OT	SOT-23-6	4Kbit	2MHz	1.8V-5.5V	30H4548	---
● 93LC66A-I/ST	TSSOP-8	4Kbit	3MHz	2.5V-5.5V	92C7707	---
<b>Microwire, 512 x 8bit</b>						
● 93LC66A-I/MS	MSOP-8	4Kbit	2MHz	2.5V-5.5V	30H4798	---
<b>Microwire, 512 x 8bit / 256 x 16bit</b>						
● 93LC66/P	DIP-8	4Kbit	2MHz	2.5V-5.5V	62K2086	---
● 93LC66-I/P	DIP-8	4Kbit	2MHz	2.5V-5.5V	92C7704	---
● 93C66C-I/P	DIP-8	4Kbit	3MHz	4.5V-5.5V	30H4674	---
● 93LC66-I/SN	SOIC-8	4Kbit	2MHz	2.5V-5.5V	92C7705	---
● 93AA66C-I/SN	SOIC-8	4Kbit	3MHz	1.8V-5.5V	30H4582	---
● 93LC66C-I/SN	SOIC-8	4Kbit	3MHz	2.5V-5.5V	30H4844	---
<b>Microwire, 64 x 16bit</b>						
● 93AA46B-I/P	DIP-8	1Kbit	2MHz	1.8V-5.5V	92C7546	---
● 93C46B/P	DIP-8	1Kbit	2MHz	4.5V-5.5V	69K7676	0.28
● 93LC46B/P	DIP-8	1Kbit	3MHz	2.5V-5.5V	33C3016	---
● 93LC46B-I/P	DIP-8	1Kbit	3MHz	2.5V-5.5V	62K2083	---
● 93C46B-I/P	DIP-8	1Kbit	3MHz	4.5V-5.5V	54K2866	0.28
● 93LC46B-I/SN	SOIC-8	1Kbit	2MHz	4.5V-5.5V	12C2023	---
● 93C46BT-I/SN	SOIC-8	1Kbit	2MHz	4.5V-5.5V	62K2082	---
● 93AA46B-I/SN	SOIC-8	1Kbit	3MHz	1.8V-5.5V	92C7547	---
● 93LC46B/SN	SOIC-8	1Kbit	3MHz	2.5V-5.5V	65K1153	0.21
● 93LC46BX/SN	SOIC-8	1Kbit	3MHz	2.5V-5.5V	92C7666	---
● 93C46BT/SN	SOIC-8	1Kbit	3MHz	4.5V-5.5V	12C2027	---
● 93AA46BT-I/OT	SOT-23-6	1Kbit	3MHz	1.8V-5.5V	92C7551	---
● 93LC46BT-I/OT	SOT-23-6	1Kbit	3MHz	2.5V-5.5V	75M3689	0.19
● 93LC46BT-I/OT	SOT-23-6	1Kbit	3MHz	2.5V-5.5V	92C7662	---
● 93C46BT-I/OT	SOT-23-6	1Kbit	3MHz	4.5V-5.5V	92C7609	---
● 93LC46B/ST	TSSOP-8	1Kbit	3MHz	2.5V-5.5V	90C0041	---
● 93LC46B-I/ST	TSSOP-8	1Kbit	3MHz	2.5V-5.5V	92C7658	---
● 93LC46BT-I/ST	TSSOP-8	1Kbit	3MHz	2.5V-5.5V	92C7663	---
● 93C46B-I/ST	TSSOP-8	1Kbit	3MHz	4.5V-5.5V	92C7602	---

PIM\_108738

## SPI SERIAL EEPROMS



ON Semiconductor



Serial EEPROM products are used in many applications to store user reconfigurable data. Common applications are disk drives, modems, cellular phones, VCRs, CD players, hearing aids, PCMCIA cards, cordless phones, laser printers, computers and pagers. These serial EEPROMs are compatible with SPI™ bus protocol and are offered in high density, 1K to 256K, and wide voltage, 1.8V to 6V, ranges. These EEPROM products also meet the automotive specifications for both inside-the-cabin and under-the-hood applications and are specified over the entire voltage range of 1.8V to 6.0V at the automotive temperature extremes.

Mfg. Part No.	Packaging	Memory Size	Frequency	Supply Voltage	Stock No.	Price Each 1-9+
<b>I2C, 128 x 8bit</b>						
● CAT25010LI-G	DIP-8	1Kbit	10MHz	1.8V-5.5V	06R0576	---
<b>SPI, 128 x 8bit</b>						
● CAT25010VI-G	SOIC-8	1Kbit	10MHz	1.8V-5.5V	06R0577	---
● CAT25010VI-GT3	SOIC-8	1Kbit	10MHz	1.8V-5.5V	08R5419	---
● CAT25010YI-G	TSSOP-8	1Kbit	10MHz	1.8V-5.5V	06R0580	---

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## SPI SERIAL EEPROMS (CONT.)

Mfg. Part No.	Packaging	Memory Size	Frequency	Supply Voltage	Stock No.	Price Each 1-9+
<b>SPI, 16K x 8bit</b>						
● CAT25128LI-G	DIP-8	128Kbit	10MHz	1.8V-5.5V	06R0600	---
● CAT25128VI-G	SOIC-8	128Kbit	10MHz	1.8V-5.5V	06R0601	---
● CAT25128VI-GT3	SOIC-8	128Kbit	10MHz	1.8V-5.5V	08R5426	---
<b>SPI, 1K x 8bit</b>						
● CAT25080LI-G	DIP-8	8Kbit	10MHz	1.8V-5.5V	06R0594	---
● CAT25080VI-G	SOIC-8	8Kbit	5MHz	1.8V-5.5V	06R0595	---
● CAT25080VI-GT3	SOIC-8	8Kbit	10MHz	1.8V-5.5V	08R5424	---
● CAT25080YI-GT3	TSSOP-8	8Kbit	10MHz	1.8V-5.5V	08R5425	---
<b>SPI, 256K x 8bit</b>						
● CAT25020LI-G	DIP-8	2Kbit	10MHz	1.8V-5.5V	06R0582	---
● CAT25020VI-G	SOIC-8	2Kbit	10MHz	1.8V-5.5V	06R0583	---
● CAT25020VI-GT3	SOIC-8	2Kbit	10MHz	1.8V-5.5V	08R5421	0.14
<b>SPI, 2K x 8bit</b>						
● CAT25160LI-G	DIP-8	16Kbit	10MHz	1.8V-5.5V	06R0608	---
● CAT25160VI-G	SOIC-8	16Kbit	10MHz	1.8V-5.5V	06R0609	0.21
● CAT25160YI-G	TSSOP-8	16Kbit	5MHz	1.8V-5.5V	06R0612	0.38
● CAT25160YI-GT3	TSSOP-8	16Kbit	10MHz	1.8V-5.5V	08R5428	0.11
<b>SPI, 32K x 8bit</b>						
● CAT25256LI-G	DIP-8	256Kbit	10MHz	1.8V-5.5V	06R0614	---
● CAT25256VI-G	SOIC-8	256Kbit	5MHz	1.8V-5.5V	06R0615	0.84
● CAT25256XI	SOIC-8	256Kbit	5MHz	1.8V-5.5V	06R0617	1.01
● CAT25256XI-T2	SOIC-8	256Kbit	10MHz	1.8V-5.5V	08R5429	0.39
<b>SPI, 4K x 8bit</b>						
● CAT25320LI-G	DIP-8	32Kbit	10MHz	1.8V-5.5V	06R0621	---
● CAT25320VI-G	SOIC-8	32Kbit	10MHz	1.8V-5.5V	06R0622	---
● CAT25320VI-GT3	SOIC-8	32Kbit	10MHz	1.8V-5.5V	08R5430	---
<b>SPI, 512K x 8bit</b>						
● CAT25040LI-G	DIP-8	4Kbit	10MHz	1.8V-5.5V	06R0588	---
● CAT25040VI-G	SOIC-8	4Kbit	10MHz	1.8V-5.5V	06R0589	---
● CAT25040VI-GT3	SOIC-8	4Kbit	10MHz	1.8V-5.5V	08R5422	---
● CAT25040YI-GT3	TSSOP-8	4Kbit	10MHz	1.8V-5.5V	08R5423	---
<b>SPI, 8K x 8bit</b>						
● CAT25640LI-G	DIP-8	64Kbit	10MHz	1.8V-5.5V	06R0627	---
● CAT25640VI-G	SOIC-8	64Kbit	10MHz	1.8V-5.5V	06R0628	0.39
● CAT25640VI-GT3	SOIC-8	64Kbit	20MHz	1.8V-5.5V	08R5431	---

PIM\_147905

## S29GL SERIES MIRRORBIT FLASH MEMORY



## Features:

- Fast Page Access Time: 25ns
- 100,000 Erase Cycles (Typ.) per Sector
- 20 yr. Data Retention (Typ.)
- Hardware Reset Input Resets Device
- Support for CFI (Common Flash Interface)
- Single 3V Read/Program/Erase

S29GL01G/512/256/128P are MirrorBit® Flash products fabricated on 90 nm process technology. These devices offer a fast page access time of 25 ns with a corresponding random access time as fast as 90 ns. They feature a Write Buffer that allows a maximum of 32 words/64 bytes to be programmed in one operation, resulting in faster effective programming time than standard programming algorithms. This makes these devices ideal for today's embedded applications that require higher density, better performance and lower power consumption.

## Distinctive Characteristics:

Uniform 64 Kword/128 Kbyte Sector Architecture

- S29GL01GP: One thousand twenty-four sectors; S29GL512P: Five hundred twelve sectors
- S29GL256P: Two hundred fifty-six sectors; – S29GL128P: One hundred twenty-eight sectors

WP#/ACC input

- Accelerates programming time (when VHH is applied) for greater throughput during system production

- Protects first or last sector regardless of sector protection settings

<b>MPN is formed by a valid combination of the following:</b>	
DEVICE NUMBER/DESCRIPTION	S29GL01GP; S29GL512P; S29GL256P; S29GL128P 3.0 Volt-only 1024, 512, 256 and 128 Megabit Page-Mode Flash Memory manufactured on 90 nm MirrorBit® process technology.
SPEED OPTION	90 = 90 ns 10 = 100 ns 11 = 110 ns 12 = 120 ns 13 = 130 ns
PACKAGE TYPE	A = Pb F = Pb-free
TEMPERATURE RANGE	I = Industrial (–40°C to +85°C) C = Commercial (0°C to +85°C)

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