


# SPANSION Flash Memory

 This product is RoHS compliant.



## MIRRORBIT® NOR PRODUCTS

The Spansion S29GL01G/512/256/128P are 3.0 volt Mirrorbit™ Flash Products fabricated on 90 nm process technology with Page-Mode interface. These devices offer a fast page access time of 25ns with a corresponding random access time of 110ns. They feature a Writer 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.



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For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Spansion Stock No.	Package Type	Page Mode Access Times	Speed Option	Density	Bus Width	Sector Type	Model Number	Price Each		
									1	25	100
797-S29GL128P90TFIR2	S29GL128P90TFIR20	TSOP-56	25/30 ns	90 ns	128 Mb	x8/x16	Uniform	3.0 V-3.6 V, lowest	9.26	8.23	7.51
797-S29GL128P90TFIR1	S29GL128P90TFIR10	TSOP-56	25/30 ns	90 ns	128 Mb	x8/x16	Uniform	3.0 V-3.6 V, highest	9.26	8.23	7.51
797-S29GL128P10TFI01	S29GL128P10TFI010	TSOP-56	25/30 ns	100 ns	128 Mb	x8/x16	Uniform	2.7 V-3.6 V, highest	9.16	8.13	7.42
797-S29GL128P11TFI01	S29GL128P11TFI010	TSOP-56	25/30 ns	110 ns	128 Mb	x8/x16	Uniform	2.7 V-3.6 V, highest	8.77	7.80	7.10
797-S29GL128P11TFI02	S29GL128P11TFI020	TSOP-56	25/30 ns	110 ns	128 Mb	x8/x16	Uniform	2.7 V-3.6 V, lowest	8.77	7.80	7.10
797-S29GL256P10TFI01	S29GL256P10TFI010	TSOP-56	25/30 ns	100 ns	256 Mb	x8/x16	Uniform	2.7 V-3.6 V, highest	12.82	11.39	10.39
797-S29GL256P10TFI02	S29GL256P10TFI020	TSOP-56	25/30 ns	100 ns	256 Mb	x8/x16	Uniform	2.7 V-3.6 V, lowest	12.82	11.39	10.39
797-S29GL256P11TFI02	S29GL256P11TFI020	TSOP-56	25/30 ns	110 ns	256 Mb	x8/x16	Uniform	2.7 V-3.6 V, lowest	12.64	11.23	10.24
797-S29GL256P11TFI01	S29GL256P11TFI010	TSOP-56	25/30 ns	110 ns	256 Mb	x8/x16	Uniform	2.7 V-3.6 V, highest	12.64	11.23	10.24
797-S29GL512P11TFI02	S29GL512P11TFI020	TSOP-56	25/30 ns	110 ns	512 Mb	x8/x16	Uniform	2.7 V-3.6 V, lowest	18.08	16.06	14.66
797-S29GL512P11TFI01	S29GL512P11TFI010	TSOP-56	25/30 ns	110 ns	512 Mb	x8/x16	Uniform	2.7 V-3.6 V, highest	18.08	16.06	14.66
797-S29GL01GP11TFIR1	S29GL01GP11TFIR10	TSOP-56	25/30 ns	110 ns	1 GB	x8/x16	Uniform	3.0 V-3.6 V, highest	32.96	29.28	26.72
797-S29GL01GP12TFI01	S29GL01GP12TFI010	TSOP-56	25/30 ns	120 ns	1 GB	x8/x16	Uniform	2.7 V-3.6 V, highest	32.96	29.28	26.72

## FLOATING GATE NOR FLASH MEMORY PRODUCTS

The S29JL032H is a 32 megabit, 3.0 volt-only flash memory device, organized as 2,097,152 words of 16 bits each or 4,194,304 bytes of 8 bits each. Word mode data appears on DQ15-DQ0; byte mode data appears on DQ7-DQ0. The device is designed to be programmed in-system with the standard 3.0 volt Vcc supply, and can also be programmed in standard EPROM programmers.



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MOUSER STOCK NO.	Spansion Stock No.	Package Type	Speed Option	Density	Bus Width	Sector Type	Boot Device	Price Each		
								1	25	100
797-S29JL032H90TAI32	S29JL032H90TAI320	TSOP-48	90 ns	32 Mb	x8/x16	Boot	Bottom, 2 banks 8/24 Mb	4.43	3.93	3.59
797-S29JL032H90TFI31	S29JL032H90TFI310	TSOP-48	90 ns	32 Mb	x8/x16	Boot	Top, 2 banks 8/24 Mb	4.43	3.93	3.59
797-S29JL032H90TFI32	S29JL032H90TFI320	TSOP-48	90 ns	32 Mb	x8/x16	Boot	Bottom, 2 banks 8/24 Mb	4.43	3.93	3.59
797-S29JL032H90TAI31	S29JL032H90TAI310	TSOP-48	90 ns	32 Mb	x8/x16	Boot	Top, 2 banks 8/24 Mb	4.43	3.93	3.59
797-S29JL032H70TFI02	S29JL032H70TFI020	TSOP-48	70 ns	32 Mb	x8/x16	Boot	Bottom, 4 banks 4/12/12/4 Mb	4.53	4.03	3.67
797-S29JL032H70TFI32	S29JL032H70TFI320	TSOP-48	70 ns	32 Mb	x8/x16	Boot	Bottom, 2 banks 8/24 Mb	4.53	4.03	3.67
797-S29JL032H70TFI42	S29JL032H70TFI420	TSOP-48	70 ns	32 Mb	x8/x16	Boot	Bottom, 2 banks 16/16 Mb	4.53	4.03	3.67

## PAGE-MODE INTERFACE FLASH MEMORY

The S29GL-N family of devices are 3.0-Volt single-power Flash memory manufactured using 110 nm MirrorBit technology with Page-Mode interface. The S29GL032N is a 32-Mb device organized as 2,097,152 words or 4,194,304 bytes. Depending on the model number, the devices have an 8-bit wide data bus only, 16-bit wide data bus only, or a 16-bit wide data bus that can also function as an 8-bit wide data bus by using the BYTE# input. The devices can be programmed either in the host system or in standard EPROM programmers.



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MOUSER STOCK NO.	Spansion Stock No.	Package Type	Page Mode Access Times	Speed Option	Density	Bus Width	Sector Type	Model Number	Price Each		
									1	25	100
797-S29GL032N90TFI01	S29GL032N90TFI010	TSOP-48	25 ns	90 ns	32 Mb	x8/x16	Uniform/Boot	2.7 V - 3.6 V, Highest	2.85	2.53	2.31
797-S29GL032N90TFI03	S29GL032N90TFI030	TSOP-48	25 ns	90 ns	32 Mb	x8/x16	Uniform/Boot	2.7 V - 3.6 V, Lowest	2.88	2.56	2.34
797-S29GL064N90TFI04	S29GL064N90TFI040	TSOP-48	25 ns	90 ns	64 Mb	x8/x16	Uniform/Boot	2.7 V - 3.6 V, Bottom Two	5.58	4.95	4.53
797-S29GL064N90TFI01	S29GL064N90TFI010	TSOP-48	25 ns	90 ns	64 Mb	x8/x16	Uniform/Boot	2.7 V - 3.6 V, Highest	5.60	4.96	4.54
797-S29GL064N90TFI03	S29GL064N90TFI030	TSOP-48	25 ns	90 ns	64 Mb	x8/x16	Uniform/Boot	2.7 V - 3.6 V, Top Two	5.58	4.95	4.53

## CONVENTIONAL INTERFACE PRODUCTS

The S29JL064H is a 64 megabit, 3.0 volt-only flash memory device, organized as 4,194,304 words of 16 bits each or 8,388,608 bytes of 8 bits each with Conventional Simultaneous Read/Write Interface. Word mode data appears on DQ15-DQ0; byte mode data appears on DQ7-DQ0. The device is designed to be programmed in-system with the standard 3.0 volt VCC supply, and can also be programmed in standard EPROM programmers.



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MOUSER STOCK NO.	Spansion Stock No.	Package Type	Speed Option	Density	Bus Width	Sector Type	Technology	Price Each		
								1	25	100
797-S29JL064H70TAI00	S29JL064H70TAI000	TSOP	70 ns	64 Mb	x8/x16	Boot	130 nm Floating Gate	8.00	7.10	6.48
797-S29JL064H70TFI00	S29JL064H70TFI000	TSOP	70 ns	64 Mb	x8/x16	Boot	130 nm Floating Gate	8.00	7.10	6.48
797-S29JL064H90TFI00	S29JL064H90TFI000	TSOP	90 ns	64 Mb	x8/x16	Boot	130 nm Floating Gate	7.79	6.92	6.31
797-S29JL064H90TAI00	S29JL064H90TAI000	TSOP	90 ns	64 Mb	x8/x16	Boot	130 nm Floating Gate	7.79	6.92	6.31

## SERIAL PERIPHERAL INTERFACE (SPI) PRODUCTS

The new 3.0 volt Spansion® S25FL Flash memory family with Serial Interface is designed to reduce costs and dramatically simplify system design of consumer electronics and PC peripherals such as hard disk drives, optical drives, printers, cordless phones, DSL/cable modems, and DVD players and recorders. Spansion enables these improvements by using the Serial Peripheral Interface (SPI), an emerging serial communication standard.



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\* Industrial Temperature Range: -40°C to +85°C

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MOUSER STOCK NO.	Spansion Stock No.	Package Type	Clock Frequency	Density	Bus Width	Sector Type	Temperature Range*	Technology	Price Each		
									1	25	100
797-S25FL128P0XMF100	S25FL128P0XMF1001	SO-8	50 MHz	128 Mb	x1	Uniform	Industrial	200 nm MirrorBit®	9.37	8.33	7.60