

# SPANSION Flash Memory

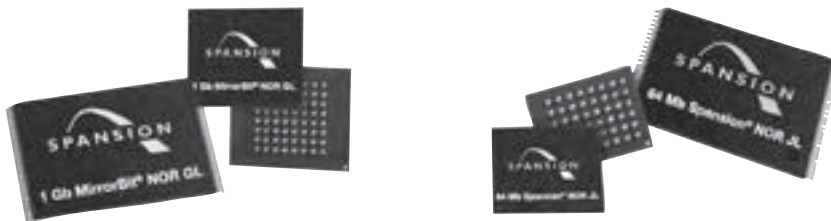
RoHS Compliant **This product is RoHS compliant.**



Spansion offers a wide range of NOR Flash memory solutions in multiple voltages, densities and packages expressly designed and optimized for embedded and mobile applications.

**Applications:**

- Automotive
- Consumer electronics
- Gaming
- Industrial equipment
- Machine-to-Machine
- Networking
- PC and peripherals
- Set-top box
- Telecom
- Wireless



Memory  
Spansion

## 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.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Spansion Stock No.	Package Type	Page Access Time (Max)(ns)	Speed (ns)	Density	Bus Width	Sector Type	Supply Voltage (V)	Price Each		
									1	25	100
797-S29GL128P90TFIR2	S29GL128P90TFIR20	TSOP-56	25	90	128 Mb	x8/x16	Uniform	3.0-3.6	9.26	8.23	7.51
797-S29GL128P90TFIR1	S29GL128P90TFIR10	TSOP-56	25	90	128 Mb	x8/x16	Uniform	3.0-3.6	8.81	8.37	8.28
797-S29GL128P10TFI01	S29GL128P10TFI010	TSOP-56	25	100	128 Mb	x8/x16	Uniform	2.7-3.6	8.54	7.58	6.92
797-S29GL128P11TFI01	S29GL128P11TFI010	TSOP-56	25	110	128 Mb	x8/x16	Uniform	2.7-3.6	7.60	6.90	6.85
797-S29GL128P11TFI02	S29GL128P11TFI020	TSOP-56	25	110	128 Mb	x8/x16	Uniform	2.7-3.6	8.77	7.80	7.10
797-S29GL256P10TFI01	S29GL256P10TFI010	TSOP-56	25	100	256 Mb	x8/x16	Uniform	2.7-3.6	12.82	11.39	10.39
797-S29GL256P10TFI02	S29GL256P10TFI020	TSOP-56	25	100	256 Mb	x8/x16	Uniform	2.7-3.6	12.24	10.87	9.91
797-S29GL256P11TFI02	S29GL256P11TFI020	TSOP-56	25	110	256 Mb	x8/x16	Uniform	2.7-3.6	12.64	11.23	10.24
797-S29GL256P11TFI01	S29GL256P11TFI010	TSOP-56	25	110	256 Mb	x8/x16	Uniform	2.7-3.6	10.80	9.89	9.77
797-S29GL512P11TFI02	S29GL512P11TFI020	TSOP-56	25	110	512 Mb	x8/x16	Uniform	2.7-3.6	17.50	15.80	14.88
797-S29GL512P11TFI01	S29GL512P11TFI010	TSOP-56	25	110	512 Mb	x8/x16	Uniform	2.7-3.6	17.16	15.24	13.91
797-S29GL01GP11TFIR1	S29GL01GP11TFIR10	TSOP-56	25	110	1 GB	x8/x16	Uniform	3.0-3.6	31.97	28.40	25.92
797-S29GL01GP12TFI01	S29GL01GP12TFI010	TSOP-56	25	120	1 GB	x8/x16	Uniform	2.7-3.6	32.96	29.28	26.72

## MIRRORBIT® ECLIPSE FLASH NON-VOLATILE MEMORY

The Spansion® S29GL01G/512/256/128S are MirrorBit Eclipse flash products fabricated on 65 nm process technology. These devices offer a fast page access time as fast as 15 ns with a corresponding random access time as a Write Buffer that allows a maximum of 256 words/512 bytes to be programmed in one 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.



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Spansion Stock No.	Package Type	Page Access Time (Min)(ns)	Speed (ns)	Density	Bus Width	Sector Type	Supply Voltage (V)	Price Each		
									1	25	100
797-29GL128S90TFI010	S29GL128S90TFI010	TSOP-56	15	90	128 Mb	x8/x16/x32	Uniform	2.7 - 3.6	6.31	5.77	5.40
797-29GL128S90TFI020	S29GL128S90TFI020	TSOP-56	15	90	128 Mb	x8/x16/x32	Uniform	2.7 - 3.6	6.31	5.77	5.40
797-29GL128S10TFI010	S29GL128S10TFI010	TSOP-56	25	100	128 Mb	x8/x16/x32	Uniform	2.7 - 3.6	6.00	5.49	5.16
797-29GL128S10TFI020	S29GL128S10TFI020	TSOP-56	25	100	128 Mb	x8/x16/x32	Uniform	2.7 - 3.6	6.00	5.49	5.16
797-29GL128S11TFIV10	S29GL128S11TFIV10	TSOP-56	25	110	128 Mb	x8/x16/x32	Uniform	2.7 - 3.6	6.31	5.77	5.40
797-29GL128S11TFIV20	S29GL128S11TFIV20	TSOP-56	25	110	128 Mb	x8/x16/x32	Uniform	2.7 - 3.6	6.31	5.77	5.40
797-29GL256S90TFI010	S29GL256S90TFI010	TSOP-56	15	90	256 Mb	x8/x16/x32	Uniform	2.7 - 3.6	8.93	7.81	6.94
797-29GL256S90TFI020	S29GL256S90TFI020	TSOP-56	15	90	256 Mb	x8/x16/x32	Uniform	2.7 - 3.6	8.93	7.81	6.94
797-29GL256S10TFI010	S29GL256S10TFI010	TSOP-56	25	100	256 Mb	x8/x16/x32	Uniform	2.7 - 3.6	8.62	7.89	7.40
797-29GL256S10TFI020	S29GL256S10TFI020	TSOP-56	25	100	256 Mb	x8/x16/x32	Uniform	2.7 - 3.6	8.62	7.89	7.40
797-29GL256S11TFIV10	S29GL256S11TFIV10	TSOP-56	25	110	256 Mb	x8/x16/x32	Uniform	2.7 - 3.6	8.93	7.81	6.94
797-29GL256S11TFIV20	S29GL256S11TFIV20	TSOP-56	25	110	256 Mb	x8/x16/x32	Uniform	2.7 - 3.6	8.93	7.81	6.94
797-S29GL512S10TFI01	S29GL512S10TFI010	TSOP-56	15	100	512 Mb	x8/x16/x32	Uniform	2.7-3.6	11.56	10.45	10.20
797-S29GL512S10TFI02	S29GL512S10TFI020	TSOP-56	15	100	512 Mb	x8/x16/x32	Uniform	2.7-3.6	11.56	10.45	10.20
797-S29GL01GS10TFI01	S29GL01GS10TFI010	TSOP-56	15	100	1 GB	x8/x16/x32	Uniform	2.7-3.6	15.20	14.88	14.30
797-S29GL01GS10TFI02	S29GL01GS10TFI020	TSOP-56	15	100	1 GB	x8/x16/x32	Uniform	2.7-3.6	15.20	14.88	14.30

## FLOATING GATE NOR FLASH MEMORY PRODUCTS

Spansion offers a broad line of 3V parallel NOR devices on a high-reliability technology node with an array of features to meet the needs of a wide variety of embedded applications. The 3.0V JL family devices offer two and four bank memory configurations to allow performance gains via simultaneous readwrite operations.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Spansion Stock No.	Package Type	Speed (ns)	Density	Bus Width	Sector Type	Boot Device	Price Each		
								1	25	100
797-S29JL032H70TFI32	S29JL032H70TFI320	TSOP-48	70	32 Mb	x8/x16	Boot	Bottom, 2 banks 8/24 Mb	4.53	4.03	3.67
797-S29JL032J70TFI32	S29JL032J70TFI320	TSOP-48	70	32 Mb	x8/x16	Boot	Bottom, 2 banks 8/24 Mb	5.11	4.48	3.98
797-S29JL032H90TFI32	S29JL032H90TFI320	TSOP-48	90	32 Mb	x8/x16	Boot	Bottom, 2 banks 8/24 Mb	4.40	3.90	3.57
797-S29JL064J70TFI00	S29JL064J70TFI000	TSOP-48	70	64 Mb	x8/x16	Boot	Top/Bottom, 4 banks 8/24/24/8 Mb	9.53	8.72	8.19
797-S29JL064H70TAI00	S29JL064H70TAI000	TSOP-48	70	64 Mb	x8/x16	Boot	Top/Bottom, 4 banks 8/24/24/8 Mb	8.00	7.10	6.48

## 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.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Spansion Stock No.	Package Type	Page Mode Access Times (ns)	Speed (ns)	Density	Bus Width	Sector Type	Supply Voltage (V)	Price Each		
									1	25	100
797-S29GL032N90TFI01	S29GL032N90TFI010	TSOP-56	25 ns	90	32 Mb	x8/x16	Uniform/Boot	2.7-3.6	2.85	2.53	2.31
797-S29GL032N90TFI03	S29GL032N90TFI030	TSOP-48	25 ns	90	32 Mb	x8/x16	Uniform/Boot	2.7-3.6	2.80	2.49	2.28
797-S29GL064N90TFI04	S29GL064N90TFI040	TSOP-48	25 ns	90	64 Mb	x8/x16	Uniform/Boot	2.7-3.6	4.73	4.19	3.85
797-S29GL064N90TFI01	S29GL064N90TFI010	TSOP-56	25 ns	90	64 Mb	x8/x16	Uniform/Boot	2.7-3.6	5.43	4.80	4.40
797-S29GL064N90TFI03	S29GL064N90TFI030	TSOP-48	25 ns	90	64 Mb	x8/x16	Uniform/Boot	2.7-3.6	4.73	4.19	3.85

## 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.

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

For quantities greater than listed, call for quote.

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®	7.38	7.02	6.94

