



EN29PL032 V.S. S29JL032H Specification Comparison

32Mbit (4 x 16-Bit) CMOS 3.0 Volt- only, Simultaneous-Read/Write Flash Memory

Part No. :	EN29PL032
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Prepared by :	FAE Engineer : <u>Brian Hsieh</u>
Approval by :	FAE Manager : <u>Jason Tseng</u>



1. Part No.

Eon : **EN29PL032**
Spanion : **S29JL032H**

2. Basic Features:

The following features are identical with each other.

- JEDEC standard compatible pin-out and command sets.
- 2.7 – 3.6 Voltage Simultaneous Read/Write Operation.
- CFI (Common Flash Interface) compliant
- Erase Suspend / Resume
- Unlock Bypass Program
- WP# / ACC (Write Protect/Acceleration)
- High Voltage Sector Protection and Temporary Sector Unprotect



3. Difference Comparison Table:

	S29JL032H		EN29PL032
VID	11.5 to 12.5		8.5 - 9.5
Pin to Pin	Yes for Word mode		Yes
Byte mode	Yes (PIN47: Byte/word mode select)		No (PIN47:NC)
Page read	No		4-words
Secure sector	256 bytes		64 words
FlexBank Architecture	01,02	4 Banks: 4M, 12M, 12M, 4M	4 Banks: 4M, 12M, 12M, 4M
	21,22	2 Banks: 4M, 28M	
	31,32	2 Banks: 8M, 24M	
	41,42	2 Banks: 16M, 16M	
Boot Sectors	01,02	4 Kword x 8 and 32 Kword x 7 boot sectors at the top and bottom	4 Kword x 8 and 32 Kword x 7 boot sectors at the top and bottom
	21,22	4 Kword x 8 and 32 Kword x 7 boot sectors at the top or bottom	
	31,32	4 Kword x 8 and 32 Kword x 15 boot sectors at the top or bottom	
	41,42	4 Kword x 8 and 32 Kword x 31 boot sectors at the top or bottom	
CFI	Yes. Spansion's CFI table		Yes. EoN's CFI table
Program Suspend/Resume	No		Yes
Multi sector erase	Yes		No
Write Buffer Programming	No		32-word Write Buffer
PPB Lock Bit	No		Yes
Available package	48-pin TSOP		48-pin TSOP 48 ball FBGA

Note: S29JL032H 60 T A I 00 0

↳ Model number: 01, 02, 21, 22, 31, 32, 41, 42



4. Conclusion

It is no problem to replace S29JL032H by EN29PL032, if customer uses S29JL032H in Word mode. A matter needing attention is Bank structure and Multi erase function. S29JL032H has 4 kinds of bank structure. The 01/02 are the same with EN29PL032, but 21/22, 31/32 and 41/42 are two bank design and different with EN29PL032. Another one the Multi erase function, customer must issue another sector erase command for the next sector to be erased after the previous one is completed for EN29PL032.

The 4 banks structure, Page mode and 32 word programming write buffer will enhance flash performance. So EN29PL032 device is a good choice to fully replace S29JL032H.