

Numonyx® NOR flash memory competitive cross-reference guide

Industry-standard parallel NOR for embedded applications

PARALLEL NOR CONSOLIDATED CROSS-REFERENCE GUIDE								
Density	Manufacturer	Part Number	Recommended Numonyx Device	Secure Version	Package	I/O Voltage (Vccq)	Architecture	Process Technology
1 Gb	Spansion	S29GL01GP	28F00AM29EW	Yes	56-pin TSOP (RoHS) 64-ball FBGA (Pb & RoHS)	1.65V - 3.6V	Uniform	65nm
512 Mb	Spansion	S29GL512N/P	28F512M29EW	Yes	56-pin TSOP (RoHS) 64-ball FBGA (Pb & RoHS)	1.65V - 3.6V	Uniform	65nm
256 Mb	Macronix	MX29GL256E	28F256M29EW	Yes	56-pin TSOP (RoHS) 64-ball FBGA (Pb & RoHS)	1.65V - 3.6V	Uniform	65nm
	Spansion	S29GL256N/P	28F256M29EW Migration guide (AN-918)	Yes	56-pin TSOP (RoHS) 64-ball FBGA (Pb & RoHS)	1.65V - 3.6V	Uniform	65nm
	Spansion	S29GL256N/P	M29W256G	Yes	56-pin TSOP (RoHS) 64-ball TBGA (RoHS) 64-ball LBGA (RoHS)	1.65V - 3.6V	Uniform	65nm
128 Mb	Macronix	MX29GL128E	M29W128G	Yes	56-pin TSOP (RoHS) 64-ball FBGA (RoHS)	1.65V - 3.6V	Uniform	90nm
	Spansion	S29GL128N/P	M29W128G Migration guide (AN-2685)	Yes	56-pin TSOP (RoHS) 64-ball FBGA (RoHS)	1.65V - 3.6V	Uniform	90nm
	Spansion	S29PL127J/N	M29DW128G	Yes	56-pin TSOP (RoHS) 64-ball TBGA (RoHS)	1.65V - 3.6V	Multi, Boot	90nm
64 Mb	Macronix	MX29GL640E	M29W640G	Yes	48-pin TSOP (RoHS) 56-pin TSOP (RoHS) 64-ball FBGA (RoHS) 48-ball Fine pitch BGA (RoHS)	2.7V - 3.6V	Uniform & Boot	110nm
	Spansion	S29GL064A/M/N	M29W640G	Yes	48-pin TSOP (RoHS) 56-pin TSOP (RoHS) 64-ball FBGA (RoHS) 48-ball Fine pitch BGA (RoHS)	2.7V - 3.6V	Uniform, Boot	110nm

product matrix

Industry-standard parallel NOR flash memory

Density	Manufacturer	Part Number	Recommended Numonyx Device	Secure Version	Package	I/O Voltage (Vccq)	Architecture	Process Technology
32 Mb	Macronix	MX29LV320C/D	M29W320E	N/A	48-pin TSOP (RoHS) 48-ball Fine Pitch BGA (RoHS)	2.7V - 3.6V	Boot	110nm
	Samsung	K8D3x16UT/BC	M29DW323D	N/A	48-pin TSOP (RoHS) 48-ball Fine Pitch BGA (RoHS)	2.7V - 3.6V	Dual, Boot	110nm
	Spansion	S29DL32xD S29JL032H	M29DW323D	No	48-pin TSOP (RoHS) 48-ball Fine Pitch BGA (RoHS)	2.7V - 3.6V	Dual, Boot	110nm
	Spansion	S29GL032A/M/N S29AL032D	M29W320E	No	48-pin TSOP (RoHS) 48-ball Fine Pitch BGA (RoHS)	2.7V - 3.6V	Boot	110nm
16 Mb	Macronix	MX29LV160C/D	M29W160E	N/A	48-pin TSOP (RoHS) 48-ball Fine Pitch BGA (RoHS)	2.7V - 3.6V	Boot	110nm
	Samsung	K8D1716UTC/BC	M29W160E	N/A	48-pin TSOP (RoHS) 48-ball Fine Pitch BGA (RoHS)	2.7V - 3.6V	Boot	110nm
	Spansion	S29AL016D/J	M29W160E Migration guide (AN309007)	No	48-pin TSOP (RoHS) 48-ball Fine Pitch BGA (RoHS)	2.7V - 3.6V	Boot	110nm
8 Mb	Macronix	MX29LV800C	M29W800D	N/A	48-pin TSOP (RoHS) 48-ball Fine pitch BGA (RoHS) 44-pin SO44 (RoHS)	2.7V - 3.6V	Boot	110nm
	Spansion	S29AL008D	M29W800D Migration guide (AN309006)	No	48-pin TSOP (RoHS) 48-ball Fine pitch BGA (RoHS) 44-pin SO44 (RoHS)	2.7V - 3.6V	Boot	110nm
4 Mb	Spansion	S29AL004D	M29W400D	No	48-pin TSOP (RoHS) 48-ball Fine pitch BGA (RoHS)	2.7V - 3.6V	Boot	110nm
	Macronix	MX29LV400C	M29W400D	N/A	48-pin TSOP (RoHS) 48-ball Fine pitch BGA (RoHS)	2.7V - 3.6V	Boot	110nm
2 Mb	Spansion	AM29F200D	M29F200F	N/A	48-pin TSOP (RoHS) 44-pin SO44 (RoHS, Pb)	5V	Boot	110nm

Please visit numonyx.com for competitive cross-reference guide updates.

numonyx.com

Copyright © 2010 Numonyx B.V. Numonyx, Axcell and the Numonyx logo are trademarks of Numonyx B.V. or its subsidiaries in other countries.

*Other names and brands may be claimed as the property of others. Information regarding third-party products is provided solely for educational purposes. Numonyx is not responsible for the performance or support of third-party products and does not make any representations or warranties whatsoever regarding quality, reliability, functionality or compatibility of these devices or products.