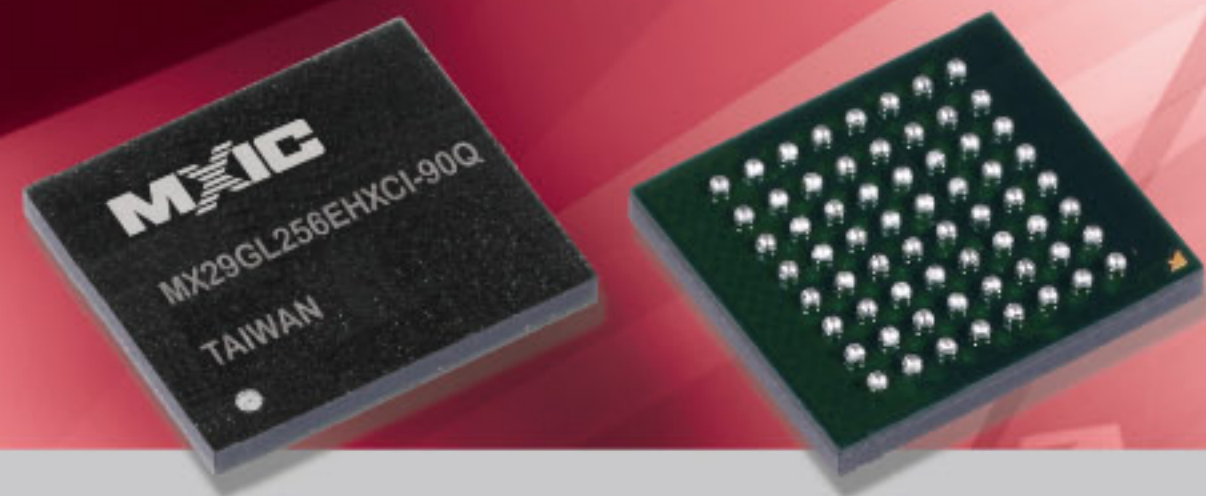
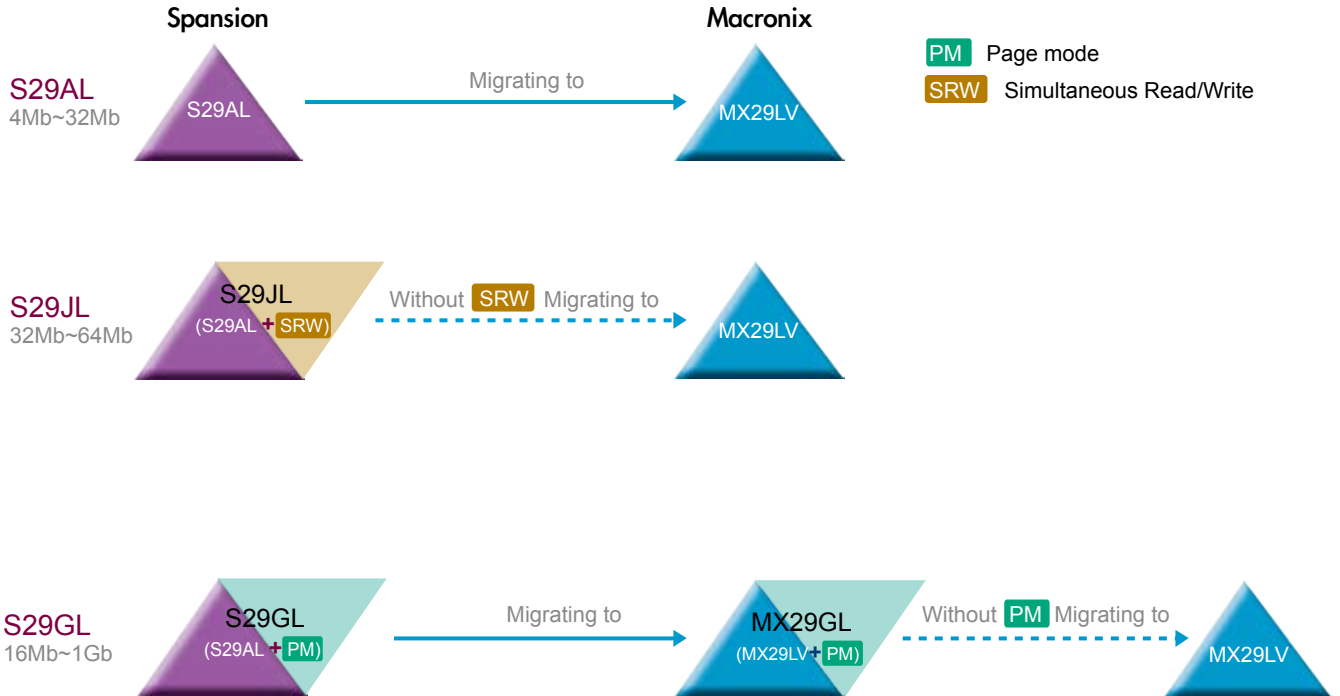


NOR Flash Cross Reference Guide

(5V, 3V, 1.8V)



Parallel Flash Migration Selection Guide



Parallel 29 Series Comparison Table

Company	Spansion		Macronix	Spansion		Macronix	Spansion	Macronix
	AM29F	AM29F	MX29F	S29AL	S29JL	MX29LV	S29GL	MX29GL
Density	1 ~ 32 Mb	2 ~ 16 Mb	2 ~ 8 Mb	4 ~ 32 Mb	32 ~ 64 Mb	4 ~ 128 Mb	16 Mb ~ 1Gb	32Mb ~ 512 Mb
3V				●	●	●	●	●
5V	●	●	●					
x8	●		●	●	●	●	●	●
x8 / x16		●	●	●	●	●	●	●
Page Mode							●	●
SRW					●			
Uniform Sector	●		●				●	●
Top/Bottom Boot	●	●	●	●	●	●	●	●
64KB sector	●	●	●	●	●	●	●	●
128KB Sector							●	●
Industrial Temp	●	●	●	●	●	●	●	●
PDIP	●							
PLCC	●		●			●		
TSOP	●	●	●	●	●	●	●	●
SOP	●	●	●	●	●	●		●
BGA (fine-pitch)				●	●	●	●	●
BGA (fortified)							●	●

Note1: Please review the appropriate datasheet for detailed features and specifications.

Parallel Flash

Vcc	Density	Package	Spansion	Macronix	Macronix Other Links	Macronix Datasheet Links
5V	2Mb	48 TSOP	Am29F200BT-(70/90)ED	MX29F200CTTI-(70/90)G	Migration Guide AN-034.00	MX29F200C T/B
		48 TSOP	Am29F200BT-(70/90)EF	MX29F200CTTI-(70/90)G		
		48 TSOP	Am29F200BB-(70/90)ED	MX29F200CBTI-(70/90)G		
		48 TSOP	Am29F200BB-(70/90)EF	MX29F200CBTI-(70/90)G		
		44 SOP	Am29F200BT-(70/90)SD	MX29F200CTMI-(70/90)G		
		44 SOP	Am29F200BT-(70/90)SF	MX29F200CTMI-(70/90)G		
		44 SOP	Am29F200BB-(70/90)SD	MX29F200CBMI-(70/90)G		
		44 SOP	Am29F200BB-(70/90)SF	MX29F200CBMI-(70/90)G		
	4Mb	32 TSOP	Am29F040B-(70/90)ED	MX29F040CTI-(70/90)G	---	MX29F040C
		32 TSOP	Am29F040B-(70/90)EF	MX29F040CTI-(70/90)G		
		32 PLCC	Am29F040B-(70/90)JD	MX29F040CQI-(70/90)G		
		32 PLCC	Am29F040B-(70/90)JF	MX29F040CQI-(70/90)G		

5V	4Mb	48 TSOP	Am29F400BT-(70/90)ED	MX29F400CTTI-(70/90)G	Migration Guide AN-034.00	MX29F400C T/B
		48 TSOP	Am29F400BT-(70/90)EF	MX29F400CTTI-(70/90)G		
		48 TSOP	Am29F400BB-(70/90)ED	MX29F400CBTI-(70/90)G		
		48 TSOP	Am29F400BB-(70/90)EF	MX29F400CBTI-(70/90)G		
		44 SOP	Am29F400BT-(70/90)SD	MX29F400CTMI-(70/90)G		
		44 SOP	Am29F400BT-(70/90)SF	MX29F400CTMI-(70/90)G		
		44 SOP	Am29F400BB-(70/90)SD	MX29F400CBMI-(70/90)G		
		44 SOP	Am29F400BB-(70/90)SF	MX29F400CBMI-(70/90)G		

Parallel Flash

Vcc	Density	Package	Spansion	Macronix	Macronix Datasheet Links
5V	8Mb	48 TFBGA - 6x8mm 0.3mm ball dia.	Am29F800BT-(70/90)WBD	MX29F800CTXBI-(70/90)G	MX29F800C T/B
		48 TFBGA - 6x8mm 0.3mm ball dia.	Am29F800BT-(70/90)WBF	MX29F800CTXBI-(70/90)G	
		48 TFBGA - 6x8mm 0.3mm ball dia.	Am29F800BB-(70/90)WBD	MX29F800CBXBI-(70/90)G	
		48 TFBGA - 6x8mm 0.3mm ball dia.	Am29F800BB-(70/90)WBF	MX29F800CBXBI-(70/90)G	
		48 TSOP	Am29F800BT-(70/90)ED	MX29F800CTTI-(70/90)G	
		48 TSOP	Am29F800BT-(70/90)EF	MX29F800CTTI-(70/90)G	
		48 TSOP	Am29F800BB-(70/90)ED	MX29F800CBTI-(70/90)G	
		48 TSOP	Am29F800BB-(70/90)EF	MX29F800CBTI-(70/90)G	
		44 SOP	Am29F800BT-(70/90)SD	MX29F800CTMI-(70/90)G	
		44 SOP	Am29F800BT-(70/90)SF	MX29F800CTMI-(70/90)G	
		44 SOP	Am29F800BB-(70/90)SD	MX29F800CBMI-(70/90)G	
		44 SOP	Am29F800BB-(70/90)SF	MX29F800CBMI-(70/90)G	

Parallel Flash

Vcc	Density	Package	Spansion	Macronix	Macronix Other Links	Macronix Datasheet Links
3V	4Mb	48 TSOP	S29AL004D(55/70/90)TFI01	MX29LV400CTTI-55Q/70G/90G	Migration Guide AN-035.00	MX29LV400C T/B
		48 TSOP	S29AL004D(55/70/90)TFI02	MX29LV400CBTI-55Q/70G/90G		
		48 TFBGA - 6x8mm, 0.4mm ball dia.	S29AL004D(55/70/90)BFI01	MX29LV400CTXEI-55Q/70G/90G		
		48 TFBGA - 6x8mm, 0.4mm ball dia.	S29AL004D(55/70/90)BFI02	MX29LV400CBXEI-55Q/70G/90G		
		44 SOP	S29AL004D(55/70/90)MFI01	MX29LV400CTMI-55Q/70G/90G		
		44 SOP	S29AL004D(55/70/90)MFI02	MX29LV400CBMI-55Q/70G/90G		
		32 PLCC	Am29LV040B-(60R/70/90)JD	MX29LV040CQI-55Q/70G/90G	---	MX29LV040C
		32 PLCC	Am29LV040B-(60R/70/90)JF	MX29LV040CQI-55Q/70G/90G		
		32 TSOP	Am29LV040B-(60R/70/90)ED	MX29LV040CTI-55Q/70G/90G		
		32 TSOP	Am29LV040B-(60R/70/90)EF	MX29LV040CTI-55Q/70G/90G		

3V	8Mb	48 TSOP	S29AL008D(55/60/70/90)TFI01 S29AL008J(55/70)TFI01	MX29LV800CTTI-55Q/70G/90G	Migration Guide AN-035.00	MX29LV800C T/B
		48 TSOP	S29AL008D(55/60/70/90)TFI02 S29AL008J(55/70)TFI02	MX29LV800CBTI-55Q/70G/90G		
		48 TFBGA - 6x8mm, 0.4mm ball dia.	S29AL008D(55/60/70/90)BFI01 S29AL008J(55/70)BFI01	MX29LV800CTXEI-55Q/70G/90G		
		48 TFBGA - 6x8mm, 0.4mm ball dia.	S29AL008D(55/60/70/90)BFI02 S29AL008J(55/70)BFI02	MX29LV800CBXEI-55Q/70G/90G		
		44 SOP	S29AL008D(55/60/70/90)MFI01	MX29LV800CTMI-55Q/70G/90G		
		44 SOP	S29AL008D(55/60/70/90)MFI02	MX29LV800CBMI-55Q/70G/90G		

Parallel Flash

Vcc	Density	Package	Spanion	Macronix	Macronix Other Links	Macronix Datasheet Links
3V	16Mb	48 TSOP	Am29LV160DT-(70/90)E(D/F) S29AL016D(70/90)TFI01 S29AL016J(55/70)TFI01	MX29LV160DTTI-70G	Migration Guide AN-035.00	MX29LV160D T/B
		48 TSOP	Am29LV160DB-(70/90)E(D/F) S29AL016D(70/90)TFI02 S29AL016J(55/70)TFI02	MX29LV160DBTI-70G		
		48 TFBGA - 6x8mm, 0.3mm ball dia.	Am29LV160DT-(70/90)WCD	MX29LV160DTXBI-70G		
		48 TFBGA - 6x8mm, 0.3mm ball dia.	Am29LV160DB-(70/90)WCD	MX29LV160DBXBI-70G		
		48 TFBGA - 6x8mm, 0.4mm ball dia.	S29AL016D(70/90)BFI01 S29AL016J(55/70)BFI01	MX29LV160DTXEI-70G		
		48 TFBGA - 6x8mm, 0.4mm ball dia.	S29AL016D(70/90)BFI02 S29AL016J(55/70)BFI02	MX29LV160DBXEI-70G		
	32Mb	48 TSOP	S29AL032D(70/90)TFI03 S29GL032N(90/11)TFI03 S29JL032H70TFI000	MX29LV320DTTI-70G MX29GL320ETTI-70G	Migration Guide AN-032.01	MX29LV320D T/B MX29GL320E T/B

3V	32Mb	48 TSOP	S29AL032D(70/90)TFI04 S29GL032N(90/11)TFI04 S29JL032H70TFI000	MX29LV320DBTI-70G MX29GL320EBTI-70G	Migration Guide AN-035.00 AN-032.01	MX29LV320D T/B MX29GL320E T/B
		48 TFBGA - 6x8mm, 0.4mm ball dia.	S29GL032N90BFI03	MX29LV320DTXEI-70G MX29GL320ETXEI-70G	Migration Guide AN-035.00	MX29LV320D T/B MX29GL320E T/B
		48 TFBGA - 6x8mm, 0.4mm ball dia.	S29GL032N90BFI04	MX29LV320DBXEI-70G MX29GL320DBXEI-70G		
		56 TSOP - RoHS	S29GL032N90TFI01	MX29GL320EHT2I-70G	Migration Guide AN-032.01	MX29GL320E H/L
		56 TSOP - RoHS	S29GL032N90TFI02	MX29GL320ELT2I-70G		
		64 FBGA - 11X13mm 0.6mm ball dia."	S29GL032N90FFI01	MX29GL320EHXF1-70G		
	64 FBGA - 11X13mm 0.6mm ball dia."	S29GL032N90FFI02	MX29GL320ELXF1-70G			

Parallel Flash

Vcc	Density	Package	Spansion	Macronix	Macronix Other Links	Macronix Datasheet Links
3V	64Mb	48 TSOP	S29GL064A(90/10/11)TFIR3 S29GL064N(90/11)TFI03 S29JL064H(70/90)TFI000	MX29LV640ETTI-70G	Migration Guide AN-032.01	MX29LV640E T/B
				MX29GL640ETTI-90G		MX29GL640E T/B
		48 TSOP	S29GL064A(90/10/11)TFIR4 S29GL064N(90/11)TFI04 S29JL064H(70/90)TFI000	MX29LV640EBTI-70G		MX29LV640E T/B
				MX29GL640EBTI-90G		MX29GL640E T/B
		56 TSOP	S29GL064N(90/11)TFI01	MX29GL640EHT2I-90G		MX29GL640E H/L
		56 TSOP	S29GL064N(90/11)TFI02	MX29GL640ELT2I-90G		MX29GL640E H/L
		48 TFBGA - 6x8mm 0.4mm ball dia.	S29GL064A(90/10/11)BFIR3 S29GL064N(90/11)BFI03	MX29LV640ETXEI-70G		MX29LV640E T/B
				MX29GL640ETXEI-90G		MX29GL640E T/B
		48 TFBGA - 6x8mm 0.4mm ball dia.	S29GL064A(90/10/11)BFIR4 S29GL064N(90/11)BFI04	MX29LV640EBXEI-70G		MX29LV640E T/B
MX29GL640EBXEI-90G	MX29GL640E T/B					
64 FBGA - 11x13mm 0.6mm ball dia.	S29GL064N(90/11)FFI01	MX29GL640EHXFI-90G	MX29GL640E H/L			
64 FBGA - 11x13mm 0.6mm ball dia.	S29GL064N(90/11)FFI02	MX29GL640ELXFI-90G	MX29GL640E H/L			

3V	128Mb	56 TSOP	S29GL128N(10/11)TFI01 S29GL128P(10/11)TFI01 S29GL128N(90/10/11)TFIR1 S29GL128P(90/10/11)TFIR1	MX29GL128EHT2I-90G	Migration Guide AN-032.01	MX29GL128E H/L
		56 TSOP	S29GL128N(10/11)TFI02 S29GL128P(10/11)TFI02 S29GL128N(90/10/11)TFIR2 S29GL128P(90/10/11)TFIR2	MX29GL128ELT2I-90G		
		64 FBGA - 11X13mm, 0.6mm ball dia.	S29GL128N(10/11)FFI01 S29GL128P(10/11)FFI01 S29GL128N(90/10/11)FFIR1 S29GL128P(90/10/11)FFIR1	MX29GL128EHXFI-90G		
		64 FBGA - 11X13mm, 0.6mm ball dia	S29GL128N(10/11)FFI02 S29GL128P(10/11)FFI02 S29GL128N(90/10/11)FFIR2 S29GL128P(90/10/11)FFIR2	MX29GL128ELXFI-90G		

Parallel Flash

Vcc	Density	Package	Spanion	Macronix	Macronix Other Links	Macronix Datasheet Links
3V	256Mb	56 TSOP	S29GL256N(90/10/11)TFIR1 S29GL256P(90/10/11)TFIR1	MX29GL256EHT2I-90Q	Migration Guide AN-032.01	MX29GL256E H/L
		56 TSOP	S29GL256N(90/10/11)TFIR2 S29GL256P(90/10/11)TFIR2	MX29GL256ELT2I-90Q		
		56 TSOP	S29GL256N(10/11)TFI01 S29GL256P(10/11)TFI01	MX29GL256EHT2I-90Q		
		56 TSOP	S29GL256N(10/11)TFI02 S29GL256P(10/11)TFI02	MX29GL256ELT2I-90Q		
		64 FBGA - 11X13mm, 0.6mm ball dia	S29GL256N(90/10/11)FFIR1 S29GL256P(90/10/11)FFIR1	MX29GL256EHXF1-90Q		
		64 FBGA - 11X13mm, 0.6mm ball dia	S29GL256N(90/10/11)FFIR2 S29GL256P(90/10/11)FFIR2	MX29GL256ELXF1-90Q		
		64 FBGA - 11X13mm, 0.6mm ball dia	S29GL256N(10/11)FFI01 S29GL256P(10/11)FFI01	MX29GL256EHXF1-90Q		
		64 FBGA - 11X13mm, 0.6mm ball dia	S29GL256N(10/11)FFI02 S29GL256P(10/11)FFI02	MX29GL256ELXF1-90Q		

3V	512Mb	56 TSOP	S29GL512N(10/11)TFIR1 S29GL512P(10/11)TFIR1	MX29GL512EHT2I-10Q	Migration Guide AN-032.01	MX29GL512E H/L
		56 TSOP	S29GL512N(10/11)TFIR2 S29GL512P(10/11)TFIR2	MX29GL512ELT2I-10Q		
		56 TSOP	S29GL512N(10/11)TFI01 S29GL512P(10/11)TFI01	MX29GL512EHT2I-10Q		
		56 TSOP	S29GL512N(10/11)TFI02 S29GL512P(10/11)TFI02	MX29GL512ELT2I-10Q		
		64 FBGA - 11X13mm, 0.6mm ball dia	S29GL512N(10/11)FFIR1 S29GL512P(10/11)FFIR1	MX29GL512EHXF1-10Q		
		64 FBGA - 11X13mm, 0.6mm ball dia	S29GL512N(10/11)FFIR2 S29GL512P(10/11)FFIR2	MX29GL512ELXF1-10Q		
		64 FBGA - 11X13mm, 0.6mm ball dia	S29GL512N(10/11)FFI01 S29GL512P(10/11)FFI01	MX29GL512EHXF1-10Q		
		64 FBGA - 11X13mm, 0.6mm ball dia	S29GL512N(10/11)FFI02 S29GL512P(10/11)FFI02	MX29GL512ELXF1-10Q		

Parallel Flash

Vcc	Density	Package	Spanion	Macronix	Macronix Other Links
1.8V	4Mb	48 TFBGA - 6x8mm, 0.3mm ball dia.	Am29SL400DT-90WAD	MX29SL402CTXBI-90G	MX29SL402C
		48 TFBGA - 6x8mm, 0.3mm ball dia.	Am29SL400DT-90WAF	MX29SL402CTXBI-90G	
		48 TFBGA - 6x8mm, 0.3mm ball dia.	Am29SL400DB-90WAD	MX29SL402CBXBI-90G	
		48 TFBGA - 6x8mm, 0.3mm ball dia.	Am29SL400DB-90WAF	MX29SL402CBXBI-90G	
	8Mb	48 TSOP - RoHS	Am29SL800DT-90ED	MX29SL800CTTI-90G	MX29SL800C
		48 TSOP - RoHS	S29AS008J-70TFI01 Am29SL800DT-90EF	MX29SL800CTTI-90G	
		48 TSOP - RoHS	Am29SL800DB-90ED	MX29SL800CBTI-90G	
		48 TSOP - RoHS	S29AS008J-70TFI02 Am29SL800DB-90EF	MX29SL800CBTI-90G	
		48 TFBGA - 6x8mm, 0.3mm ball dia.	Am29SL800DT-90WAD	MX29SL800CTXBI-90G	
		48 TFBGA - 6x8mm, 0.3mm ball dia.	Am29SL800DT-90WAF	MX29SL800CTXBI-90G	

1.8V	8Mb	48 TFBGA - 6x8mm, 0.3mm ball dia.	Am29SL800DT-90WAF	MX29SL800CTXBI-90G	MX29SL800C
		48 TFBGA - 6x8mm, 0.3mm ball dia.	Am29SL800DB-90WAD	MX29SL800CBXBI-90G	
		48 TFBGA - 6x8mm, 0.3mm ball dia.	Am29SL800DB-90WAF	MX29SL800CBXBI-90G	
		48 TFBGA - 6x8mm, 0.4mm ball dia.	Am29SL800DT-90VUD	MX29SL800CTXEI-90G	
		48 TFBGA - 6x8mm, 0.4mm ball dia.	Am29SL800DT-90VUF	MX29SL800CTXEI-90G	
		48 TFBGA - 6x8mm, 0.4mm ball dia.	Am29SL800DB-90VUD	MX29SL800CBXEI-90G	
		48 TFBGA - 6x8mm, 0.4mm ball dia.	Am29SL800DB-90VUF	MX29SL800CBXEI-90G	

Serial 25 Series Comparison Table

Company	Numonyx		Macronix	
	M25P	M25PX	MX25L	MX25U
Density	512Kb~128Mb	16Mb~64Mb	512Kb~128Mb	4Mb~16Mb
3V	●	●	●	
1.8V				●
Single I/O	●	●	●	●
Dual I/O		●	●	●
Quad I/O			●	●
Page Program	●		●	●
4KB sector	●	●	●	●
32KB sector			●	●
64KB block	●		●	●

Industrial Temp	●	●	●	●
SOP	●	●	●	●
TSSOP	●		●	●
SON	●	●	●	●
WSON	●	●	●	●
USON	Note2		Note1	
PDIP	●		●	●

Note1: Only for 512Kb~32Mb densities.

Note2: 512Kb density only.

Note3: Please review the appropriate datasheet for detailed features and specifications.

Serial Flash - Single I/O

Voltage	Density	Package	Numonyx	Macronix	Macronix Datasheet Links
3V	512Kb	8 SOP-150mil	M25P05-AVMN6(T/)(P/G)	MX25L512CMI-12G	MX25L512C
		8 USON-2x3mm, 0.6mm height	M25P05-AVMB6(T/)(P/G)	MX25L512CZUI-12G	
		8 TSSOP-173mil	M25P05-AVDW6(T/)(P/G)	MX25L512COI-12G	
	1Mb	8 SOP-150mil	M25P10-AVMN6(T/)(P/G)	MX25L1005CMI-12G	MX25L1005C
		8 USON-2x3mm, 0.6mm height	M25P10-AVMB6(T/)(P/G)	MX25L1005CZUI-12G	
	2Mb	8 SOP-150mil	M25P20-VMN6(T/)(P/G)	MX25L2005CMI-12G	MX25L2005C
		8 WSON-6x5mm, 0.8mm height	M25P20-VMP6(T/)(P/G)	MX25L2005CZNI-12G	
	4Mb	8 SOP-150mil	M25P40-VMN6(T/)(P/G)	MX25L4005CMI-12G	MX25L4005C
		8 SOP-200mil	M25P40-VMW6(T/)(P/G)	MX25L4005CM2I-12G	
		8 PDIP-300mil	M25P40-VBA6(T/)(P/G)	MX25L4005CPI-12G	
		8 WSON-6x5mm, 0.8mm height	M25P40-VMP6(T/)(P/G)	MX25L4005CZNI-12G	
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25L4005AZUI-12G	

3V	8Mb	8 SOP-150 mil	M25P80-VMN6(T/)(P/G)	MX25L8005MI-12G	MX25L8005
		8 SOP-200 mil	M25P80-VMW6(T/)(P/G)	MX25L8005M2I-12G	
		8 PDIP-300 mil	M25P80-VBA6(T/)(P/G)	MX25L8005PC-15G	
		8 SON-6x5mm, 1.0mm height	M25P80-VMP6(T/)(P/G)	MX25L8005ZMI-12G	
		8 WSON-6x5mm, 0.8mm height	Not Offered	MX25L8005ZNI-12G	
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25L8005ZUI-12G	

Serial Flash - Single I/O

Voltage	Density	Package	Numonyx	Macronix	Macronix Datasheet Links
3V	16Mb	16 SOP-300 mil	M25P16-VMF6(T/)(P/G)	MX25L1605DMI-12G	MX25L1605D
		8 SOP-200mil	M25P16-VMW6(T/)(P/G)	MX25L1605DM2I-12G	
		8 SOP-150mil	M25P16-VMN6(T/)(P/G)	MX25L1605DM1I-12G	
		8 PDIP-300mil	M25P16-VBA6(T/)(P/G)	MX25L1605DPI-12G	
		8 WSON-6x5mm, 0.8mm height	M25P16-VMP6(T/)(P/G)	MX25L1605DZNI-12G	
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25L1605DZUI-12G	
	32Mb	16 SOP-300mil	M25P32-VMF6(T/)(P/G)	MX25L3205DMI-12G	MX25L3205D
		8 SOP-200mil	M25P32-VMW6(T/)(P/G)	MX25L3205DM2I-12G	
		8 PDIP-300mil	Not Offered	MX25L3205DPI-12G	
		8 WSON-6x5mm, 0.8mm height	M25P32-VMP6(T/)(P/G)	MX25L3205DZNI-12G	
8 USON-4x4mm, 0.6mm height		Not Offered	MX25L3205DZUI-12G		

3V	64Mb	16 SOP-00mil	M25P64-VMF6G	MX25L6405DMI-12G	MX25L6405D
		8 SON-8x6mm, 1.0mm height	M25P64-VME6G	Not Offered	
		8-WSON-8x6mm, 0.8mm height	Not Offered	MX25L6405DZNI-12G	
	128Mb	16 SOP-300mil	M25P128-VMF6(T/)(P/G)	MX25L12805DMI-20G	MX25L12805D
1.8V	4Mb	8 SOP-150mil	Not Offered	MX25U4035MI-25G	MX25U4035D
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25U4035ZUI-25G	
	8Mb	8 SOP-150mil	Not Offered	MX25U8035MI-25G	MX25U8035
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25U8035ZUI-25G	
	16Mb	8 SOP-150mil	Not Offered	MX25U1635EMI-10G	MX25U1635E
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25U1635EZUI-10G	
32Mb	8 SOP-200mil	Not Offered	MX25U3235EMI-10G	MX25U3235E	
	8 USON-4x4mm, 0.6mm height	Not Offered	MX25U3235EZUI-10G		

Serial Flash - Dual I/O

Voltage	Density	Package	Numonyx	Macronix	Macronix Datasheet Links	
3V	16Mb	16 SOP-300mil	M25PX16-VMF6(E/F)/(B)/(A)	MX25L1636DMI-12G MX25L1605DMI-12G	MX25L1605D MX25L1636D	
		8 SOP-200mil	M25PX16-VMW6(E/F)/(B)/(A)	MX25L1636DM2I-10G MX25L1605DM2I-12G		
		8 WSON-6x5mm, 0.8mm height	M25PX16-VMP6(E/F)/(B)/(A)	MX25L1636DZNI-10G MX25L1605DZNI-12G		
	32Mb	16 SOP-300mil	M25PX32-VMF6(E/F)/(B)/(A)	MX25L3236DMI-10G MX25L3205DMI-12G	MX25L3205D MX25L3236D	
		8 SOP-200mil	M25PX32-VMW6(E/F)/(B)/(A)	MX25L3236DM2I-10G MX25L3205DM2I-12G		
		8 WSON-6x5mm, 0.8mm height	M25PX32-VMP6(E/F)/(B)/(A)	MX25L3236DZNI-10G MX25L3205DZNI-12G		
	64Mb	16 SOP-300mil		M25PX64-VMF6(T)(P/G)/(B)/(A)	MX25L6436EMI-10G MX25L6445EMI-10G	MX25L6445E MX25L6436E

3V	64Mb	8 SOP-200mil	Not Offered	MX25L6436EM2I-10G MX25L6445EM2I-10G	MX25L6445E MX25L6436E
		8 SON-8x6mm, 1.0mm height	M25PX64-VME6(T)(P/G)/(B)/(A)	-	
		8 WSON-8x6mm, 0.8mm height	Not Offered	MX25L6436EZNI-10G MX25L6445EZNI-10G	
128Mb	16 SOP-300mil		Not Offered	MX25L12836EMI-10G MX25L12845EMI-10G	MX25L12845E MX25L12836E
1.8V	4Mb	8 SOP 150 mil	Not Offered	MX25U4035MI-25G	MX25U4035
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25U4035ZUI-25G	
	8Mb	8 SOP-150mil	Not Offered	MX25U8035MI-25G	MX25U8035
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25U8035ZUI-25G	
	16Mb	8 SOP-150mil	Not Offered	MX25U1635EMI-10G	MX25U1635E
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25U1635EZUI-10G	
	32Mb	8 SOP-200mil	Not Offered	MX25U3235EMI-10G	MX25U3235E
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25U3235EZUI-10G	

Serial Flash - Quad I/O

Voltage	Density	Package	Numonyx	Macronix	Macronix Datasheet Links	
3V	16Mb	16 SOP-300mil	Not Offered	MX25L1635DMI-10G	MX25L1635D MX25L1636D	
				MX25L1636DMI-10G		
		8 SOP-200mil	Not Offered	MX25L1635DM2I-10G		
				MX25L1636DM2I-10G		
		8 WSON-6x5mm, 0.8mm height	Not Offered	MX25L1635DZNI-10G		
				MX25L1636DZNI-10G		
	32Mb	16 SOP-300mil	Not Offered	MX25L3235DMI-10G	MX25L3235D MX25L3236D	
				MX25L3236DMI-10G		
		8 SOP-200mil	Not Offered	MX25L3235DM2I-10G		
				MX25L3236DM2I-10G		
		8 WSON-6x5mm, 0.8mm height	Not Offered	MX25L3235DZNI-10G		
				MX25L3236DZNI-10G		
64Mb	16 SOP-300mil	Not Offered	MX25L6445EMI-10G	MX25L6445E MX25L6436E		
			MX25L6436EMI-10G			

3V	64Mb	8 SOP-200mil	Not Offered	MX25L6445EM2I-10G	MX25L6445E MX25L6436E	
				MX25L6436EM2I-10G		
		8 WSON-8x6mm, 0.8mm height	Not Offered	MX25L6445EZNI-10G		
				MX25L6436EZNI-10G		
	128Mb	16 SOP-300mil	Not Offered	MX25L12845EMI-10G	MX25L12845E MX25L12836E	
				MX25L12836EMI-10G		
1.8V	4Mb	8 SOP-150mil	Not Offered	MX25U4035MI-25G	MX25U4035	
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25U4035ZUI-25G		
	8Mb	8 SOP-150mil	Not Offered	MX25U8035MI-25G	MX25U8035	
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25U8035ZUI-25G		
	16Mb	8 SOP-150mil	Not Offered	MX25U1635EMI-10G	MX25U1635	
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25U1635EZUI-10G		
	32Mb	8 SOP-200mil	Not Offered	MX25U3235EMI-10G	MX25U3235	
		8 USON-4x4mm, 0.6mm height	Not Offered	MX25U3235EZUI-10G		

ORDERING INFORMATION

Parallel Flash Example

MX 29GL 256 E H XF I - 90 Q

DEVICE :

29F: 5V
29LV,29GL: 3V
29SL: 1.8V

DENSITY :

20x: 2Mb
40x: 4Mb
80x: 8Mb
16x: 16Mb
32x: 32Mb
64x: 64Mb
128/129: 128Mb
256: 256Mb

PROCESS REVISION :

C: 0.15um
D: 0.13um
E: 0.11um

BLOCK TYPE :

T: Top Boot
B: Bottom Boot
H: Uniform Sector, WP# at Highest Sector
L: Uniform Sector, WP# at Lowest Sector

SPEED :

55: 55ns
70: 70ns
90: 90ns
10: 100ns

OPTION :

G: RoHS Compliant
Q: Restricted
Vcc : (3.0V-3.6V),
RoHS Compliant

TEMPERATURE RANGE :

C: Commercial(0°C to 70°C)
I: Industrial(-40°C to 85°C)

PACKAGE TYPE :

P: PDIP
M: SOP
Q: PLCC
T: TSOP
X: BGA
XB - 0.8 mm Ball Pitch / 0.3 mm Ball Size
XE - 0.8 mm Ball Pitch / 0.4 mm Ball Size
XF - 1.0 mm Ball Pitch / 0.6 mm Ball Size
XH - 0.5 mm Ball Pitch / 0.3 mm Ball Size
GB: XFLGA With 0.5 mm Max. Height

Serial FLASH Example

MX 25L 128 45 E M I - 10 G

DEVICE :

25L: 3V, Serial Flash
25U: 1.8V, Serial Flash

DENSITY :

512: 512Kb
10: 1Mb
20: 2Mb
40: 4Mb
80: 8Mb
16: 16Mb
32: 32Mb
64: 64Mb
128: 128Mb

MODE :

O5: Standand single I/O
25/26: Block lock protection
35: MXSMIO - Multi-in, Multi - out
36: MXSMIO - Single-in, Multi - out
45: MXSMIO Duplex - Multi I/O with DTR

TEMPERATURE RANGE :
I: Industrial (-40°C to 85°C)

PACKAGE TYPE :

P: 300mil 8-PDIP
ZM: 8-SON
ZN: 8-WSON
ZU: 8-USON
M: 300mil 16-SOP
M1: 150mil 8-SOP
M2: 200mil 8-SOP
O: 173mil 8-TSSOP

PROCESS REVISION :

D: 0.13um
E: 0.11um

OPTION :

G: RoHS Compliant

SPEED :

10: 104MHz
12: 85MHz / 86MHz
20: 50MHz
25: 40MHz



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