

NOR Flash part number decoder

S 2 5 H S 5 1 2 T F A B H M x x 0

Product family		S	Product / Interface	I/O architecture	Voltage	Density (Mb, Gb)		Process node			Bus speed / Access speed			Pkg / Matl	Temp grade	Packing type
Serial	SEMPER™ Secure Safety and security	S	35 = SPI 36 = HYPERBUS™ 38 = Octal	H High-performance serial	L 3.0 V	128 256 512	01G	T 45nm MB			DP = 133MHz SDR / 66MHz DDR FA = 166MHz SDR / 102MHz DDR FP = 166MHz DDR (3 V xSPI) GA = 200MHz DDR (1.8 V xSPI)			BH BGA	C Commercial 0 to 70 °C	0 Tray
	SEMPER™ Functional safety		25 = SPI 26 = HYPERBUS™ 28 = Octal		S 1.8 V	256 512	01G 02G 04G							MH SOIC	I Industrial -40 to 85 °C	
	SEMPER™ Nano Compact and low power		25 = SPI	F Serial (SPI)	S 1.8 V	256	T 45nm MB			DA = 80MHz SDR DP = 104MHz SDR	CH WLCSP	V Industrial Plus -40 to 105 °C	1 Tube			
	HYPERFLASH™ High performance		26 = HYPERBUS™	K HYPERBUS™ (Flash)	L 3.0 V	128 256 512	S 65nm MB			DA = 100MHz DDR DG = 133MHz DDR DP = 166MHz DDR	BH BGA	A Automotive Grade 3 -40 to 85 °C	2 7" Tape & Reel			
	Standard SPI Broad portfolio		25 = SPI 70 = Stacked die 79 = Dual Quad SPI	F Serial (SPI)	S 1.8 V	064 128 256	512 01G	S 65nm MB	L 65nm FG	AG = 133MHz SDR DP = 66MHz DDR DS = 80MHz DDR FA = 102MHz DDR	MF SOIC NF WSON	B Automotive Grade 2 -40 to 105 °C	3 13" Tape & Reel			
Parallel	Std. 16/8-bit wide Page mode	S	29 = Parallel 70 = Stacked die	G Page; No SRW	L 3.0 V	064 128 256	512 01G 02G	T 45nm MB	S 65nm MB	P 90nm MB	70 70 ns 100 ns	80 80 ns 110 ns	90 90 ns 120 ns	BH BGA	M Automotive Grade 1 -40 to 125 °C	Note: Available grades vary by family
	Legacy 8-bit wide Page mode		29 = Parallel	A Std; No SRW	J Std; SRW	P Page; SRW	L 3.0 V S 1.8 V	008 016 032	064 128	J 110nm FG			55 55 ns	70 70 ns	80 80 ns	