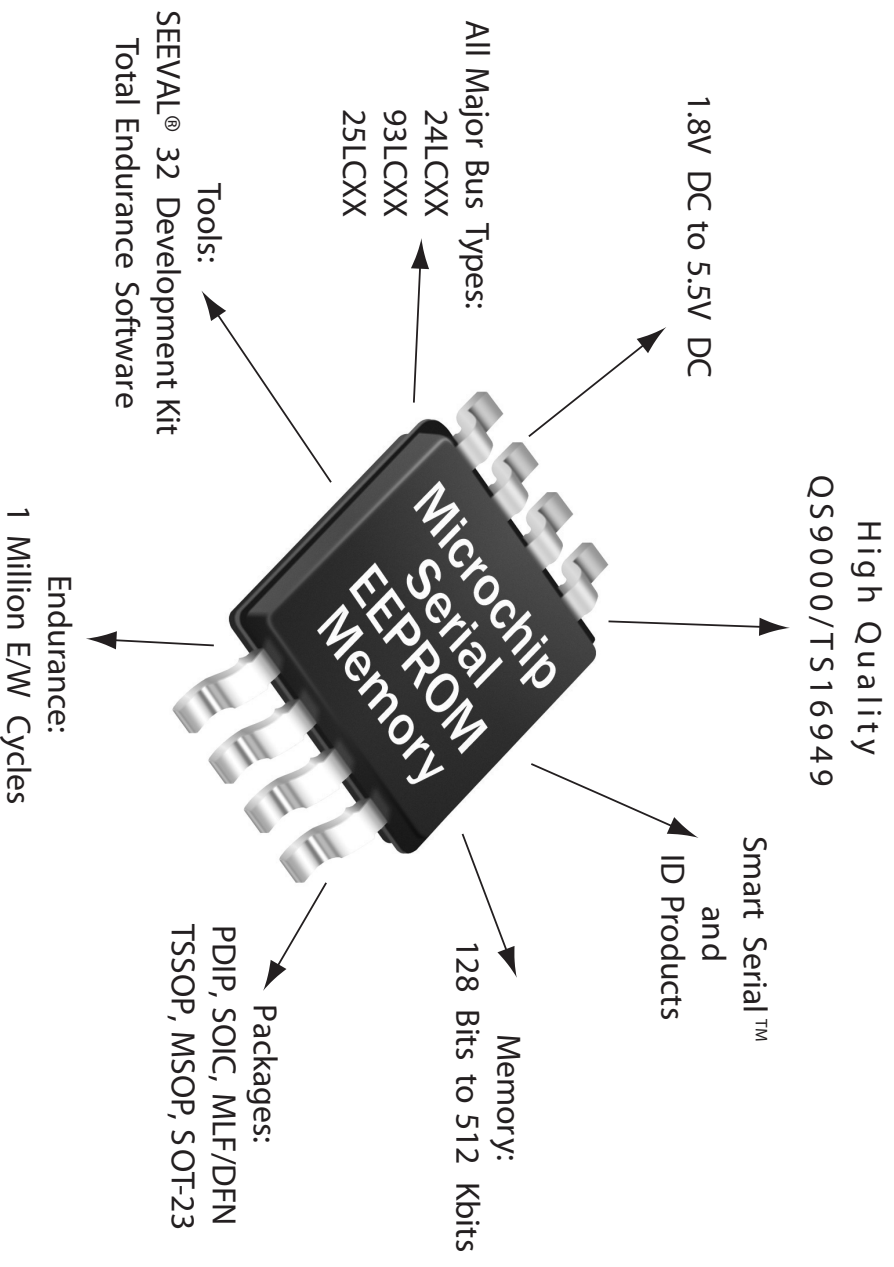




Serial EEPROM Cross Reference Guide



SERIAL EEPROM CROSS REFERENCE GUIDE

Size (bits)	MCHP Part #	Atmel Part #	Catalyst Part #	Fairchild Part #	Philips / Signetics Part #	Rohm Part #	ST Part #	Xicor Part #
128 to 1024K I²C™ Devices (Microchip's B revision devices do not use address pins A0, A1 and A2. These pins have no internal connection.)								
128	24AA00 T- t / p		CAT24C00 pt-v T					X24C00 pt-v
128	24C00 T- t / p							
128	24LC00 T- t / p							
1K	24AA01 T- t / p	AT24C01-10 pt-v T, AT24C11-10 pt-v T	CAT24C01B pt-v T			BR24C01A p-W T	M24C01-vptT	
1K	24LC01B T- t / p				PCA8581C p			X24C01 pt-v
1K	24C01C T- t / p	AT24C01A-10 pt-v T	CAT24WC01 pt-v T		PCA8581 p		M24C01-vptT	X24C01 pt-v
1K	24LC014 T- t / p	AT24C01A-10 pt-v T	CAT24WC01 pt-v T		PCA8581C p		M24C01-vptT	X24012 pt-v
1K	24LC21A T- t / p	AT24C21-10 pt-v T	CAT24C21 pt-v T		PCB2421C p	BR24C21 p-T	ST24FC21-ptT	
1K	24LCS21A T- t / p						ST24FW21-ptT	
2K	24AA02 T- t / p	AT24C02ad-10 pt-v T	CAT24aC02 pt-v T			BR24C02 p-WT	M24C02-vptT	
2K	24LC02B T- t / p			FM24C02U fvtp	PCF8582C-2 p			X24C02 pt-v
2K	24C02C T- t / p	AT24C02ad-10 pt-v T	CAT24WC03 pt-v T	FM24C03U fvtp	PCF8582C-2 p		M24C02-vptT	X24C02 pt-v
2K	24LC024 T- t / p	AT24C02ad-10 pt-v T			PCF8582C-2 p		M24C02-vptT	X24C02 pt-v
2K	24LC025 T- t / p							
2K	24LCS52 T- t / p	AT34C02ad-10 pt-v T	CAT34a02 pt-v T				M34C02-vptT	
4K	24AA04 T- t / p	AT24C04ad-10 pt-v T	CAT24WC04 pt-v T			BR24C04 p-T	M24C04-vptT	
4K	24LC04B T- t / p			FM24C04U fvtp	PCF8594C-2 p			X24C04 pt-v
8K	24AA08 T- t / p	AT24C08ad-10 pt-v T	CAT24WC08 pt-v T			BR24C08 p-WT	M24C08-vptT	
8K	24LC08B T- t / p			FM24C08U fvtp	PCF8598C-2 p			X24C08 pt-v
16K	24AA16 T- t / p	AT24C16ad-10 pt-v T	CAT24aC16 pt-v T			BR24C16 p-WT	M24C16-vptT	
16K	24LC16B T- t / p			FM24C16U fvxtp	PCF85116-3 p			X24C16a pt-v
32K	24AA32A T- t / p	AT24C32ad-10 pt-v T	CAT24aC32 pt-v T			BR24C32 p-WT	M24C32-vptT	
32K	24LC32A T- t / p							X24320 pt-v
64K	24AA64 T- t / p	AT24C64ad-10 pt-v T	CAT24aC64 pt-v T			BR24C64 p-WT	M24C64-vptT	
64K	24LC64 T- t / p			FM24C64 fvtp T				X24645 pt-v
64K	24AA65 T- t / p							
64K	24LC65 T- t / p							
128K	24AA128 T- t / p	AT24C128d-10 pt-v T	CAT24aC128 pt-v T				M24128-avptT	
128K	24LC128 T- t / p			FM24C128 fvtp T				X24128 pt-v
128K	24FC128 T- t / p	AT24C128d-10 pt-v T	CAT24aC128 pt-v T				M24128-avptT	X24128 pt-v
256K	24AA256 T- t / p	AT24C256ad-10 pt-v T	CAT24aC256 pt-v T				M24256-avptT	
256K	24LC256 T- t / p			FM24C256 fvtpT				X24C256 pt-v
256K	24FC256 T- t / p	AT24C256ad-10 pt-v T						
512K	24AA512 T- t / p	AT24C512ad-10 pt-v T						
512K	24LC512 T- t / p							
512K	24FC512 T- t / p	AT24C512ad-10 pt-v T						
512K	24AA515 T- t / p							
512K	24LC515 T- t / p							
512K	24FC515 T- t / p							
1024K	24AA1025 T- t / p	AT24C1024-10 pt-v T						
1024K	24LC1025 T- t / p							
1024K	24FC1025 T- t / p							

*Please check www.microchip.com for a full-size pdf of the most current data.

SERIAL EEPROM CROSS REFERENCE GUIDE

Size (bits)	MCHP Part #	Atmel Part #	Catalyst Part #	Fairchild Part #	Philips / Signetics Part #	Rohm Part #	ST Part #	Xicor Part #
1K to 256K SPI™ Devices								
1K	25AA010A T- t / p	AT25010ad-10 pt-v T	CAT25C01 pt-v T, CAT25010 pt-v T				M95010-vptT	
1K	25LC010A T-t / p							
2K	25AA020A T-t / p	AT25020ad-10 pt-v T	CAT25C02 pt-v T CAT25020 pt-v T				M95020-vptT	X25020 pt-v
2K	25LC020A T-t / p							
4K	25AA040A T- t / p	AT25040ad-10 pt-v T	CAT25C04 pt-v T CAT25040 pt-v T	FM25C040 vtp			M95040-vptT	X25040 pt-v X25057 pt-v (5 MHz)
4K	25LC040A T- t / p							
8K	25AA080A T- t / p							X25097 pt-v
8K	25LC080A T- t / p							
8K	25AA080B T- t / p	AT25080ad-10 pt-v T	CAT25C08 pt-v T				M95080-vptT	
8K	25LC080B T- t / p							
16K	25AA160B T- t / p	AT25160ad-10 pt-v T	CAT25C16 pt-v T	FM25C160 vtp			M95160-vptT	X25160 or X25170 pt-v
16K	25LC160B T- t / p							
16K	25AA320 T- t / p	AT25320ad-10 pt-v T	CAT25C32 pt-v T				M95320-vptT	X25320 pt-v
32K	25C320 T- t / p							
32K	25LC320 T- t / p	AT25640ad-10 pt-v T	CAT25C64 pt-v T	FM25C640 vtp			M95640-vptT	X25642 pt-v X25650 pt-v (5 MHz)
64K	25AA640 T- t / p							
64K	25C640 T- t / p							
64K	25LC640 T- t / p							
256K	25AA256 T- t / p	AT25256ad-10 pt-v T					M95256-vptT	X25256 pt-v
256K	25LC256 T- t / p							
1K to 16K Microwire Devices:								
Microchip supports 8-bit mode: 93XX46A/56A/66A (No ORG pin) 16-bit mode: 93XX46B/56B/66B (No ORG pin) 8-bit/16bit mode: 93XX46C/56C/76C/86C (ORG pin used to select mode)								
1K	93AA46C T- t / p	AT93C46d-10 pt-v T	CAT93C46 pt-v T	FM93C46A xvtp			M93C46-xvptT	
1K	93C46C T- t / p							
1K	93LC46C T- t / p							
1K	93AA46B T- t / p	AT93C46Ad-10 pt-v T, AT93C46Cd-10 pt-v T	CAT93C46 pt-v T	FM93C46 xvtp		BR93L46 xp-WT		
1K	93C46B T- t / p							
1K	93LC46B T- t / p	AT93C56ad-10 pt-v T	CAT93C56 pt-v T	FM93C56A xvtp			M93C56-xvptT	
2K	93AA56C T- t / p							
2K	93C56C T- t / p							
2K	93LC56C T- t / p							
2K	93AA56B T- t / p			FM93C56 xvtp		BR93LC56 xp-WT		
2K	93C56B T- t / p							
2K	93LC56B T- t / p							
4K	93AA66C T- t / p	AT93C66ad-10 pt-v T	CAT93C66 pt-v T	FM93C66A xvtp			M93C66-xvptT	
4K	93C66C T- t / p							
4K	93LC66C T- t / p							
4K	93AA66B T- t / p							
4K	93C66B T- t / p			FM93C66A xvtp		BR93LC66 xp-WT		
4K	93LC66B T- t / p							
4K								
8K	93AA76C T- t / p						M93C76-xvptT	
8K	93C76C T- t / p							
8K	93LC76C T- t / p							
16K	93AA86C T- t / p	AT93C86ad-10 pt-v T	CAT93C86 pt-v T	NM93C86A xvtp			M93C86-xvptT	
16K	93C86C T- t / p							
16K	93LC86C T- t / p							

*Please check www.microchip.com for a full-size pdf of the most current data.

LEGEND FOR SERIAL EEPROM CROSS REFERENCE GUIDE

(Optional Packages, Temperatures and Voltages Selected Below)

Ordering Parameters	MCHP Part #	Atmel Part #	Catalyst Part #	Fairchild Part #	Philips / Signetics Part #	Rohm Part #	ST Part #	Xicor Part #
Package Types	p = Package	p = Package (d = Alt pkg type)	p = Package	p = Package	p = Package	p = Package	p = Package	p = Package
5 or 6-SOT-23	OT	TS	TP (TB = lead free)					
8-PDIP	P	P	P (L = lead free)	N	P	Blank	BN or B	P
8-SOIC (.150)	SN	S (d = N or blank)	J (W = lead free)	M8	T	F = 8-SOP (Tight fit)	MN or M	S8 or Blank
8-SOIC (.208)	SM	S (d = W)	K (X = lead free)		T (8K only)	FJ = SOP J8	MW	A8
14-SOIC		S (d = blank)					MJ	
16-SOIC							MJ	
8-MSOP	MS	M	R (Z = lead free)			FVM	DS	M
8-TSSOP (4.4mm)	ST	T	U (Y = lead free)	MT8		FV	DW	
14-TSSOP (4.4mm)	ST14	T (d = T1)	U14				DL	V14
8-DFN (2x3 mm)	MC	Y (d = Y5 or Y6)	SP2 (VP2 = lead free)				MB	
8-MAP (4.9x3 mm)		Y (d = Y1)	RD2 (ZD2 = lead free)					
8-MLF-S								
8-LAP (6x5 mm)	MF	Y (d = Y4)						
8-Wide LAP								
8-LGA (8x5 mm)		C (d = C1)					LA	
8-dBGA		U (d = U2, U3 or U4)						
5-DBGA							EA	
Packages with Rotated Pinouts				X = Pinout Type		X = Pinout Type	X = Pinout Type	
Normal Pinout	Standard			Blank		Blank	Blank	
Rotated 90°	X in part number	d = R		R		R	T	
Tubes / Tape & Reel	T = optional T/R	T = optional T/R	T = optional T/R	T = optional T/R		T = optional T/R	T = optional T/R	T = optional T/R
Tubes	Blank	Blank	Blank	Blank		Blank	Blank	Blank
Tape & Reel	T	T or TR	TE13	TE13		E2	T or TR	T
Temperature Range	t = Temp Range	t = Temp Range	t = Temp Range	t = Temp Range	t = Temp Range	t = Temp Range	t = Temp Range	t = Temp Range
0°C to +70°C	C	C	Blank	Blank			1 or Blank	Blank
-40°C to +85°C	I	I (U + H = lead free)	I	E			6	I
-40°C to +125°C	E	E or A (Q = lead free)	E	V			3	
-20°C to +85°C					All Devices		5	
-40°C to +105°C			A				7	
Operating Voltage	Voltage	v = Voltage	v = Voltage	v = Voltage	Voltage	Voltage	v = Voltage	v = Voltage
4.5V to 5.5V	C	5.0C		H or Blank	Blank (1K only)		Blank	
2.5V to 5.5V	LC	2.5	Blank		C or Blank		W	2.5
2.7V to 5.5V		2.7 or 2.7C	Blank	L or LZ		LC		2.7 or AB or AD
2.7V to 3.6V							V	
2.2V to 5.5V							L	
1.8V to 3.6V						LL	R or S	
1.8V to 5.5V	AA	1.8	1.8				R	
1.65V to 5.5V							S	
1.7V to 3.6V							F	
Miscellaneous		a = Alternate product	a = Alternate product	f = Frequency			a = Alternate product	a = Alternate product
		Blank = std. product	A, F, W = alternate devices	Blank = 100 kHz			Blank = std. Product	4 = 3 address pins
		A, B, C = alternate devices		F = 400 kHz			A = 2 address pins	
		4 = 3 address pins					B = 3 address pins	

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MICROCHIP PACKAGE OPTIONS FOR SERIAL EEPROMS (Xmm x Ymm x Zmm)

PLASTIC SMALL OUTLINE



8-Lead SOIC (SN)
(4.9mm x 6mm x 1.5mm)
JEDEC 150-mil

8-Lead SOIC (SM)
(5.2mm x 8mm x 1.97mm)
EIAJ 207-mil

PLASTIC DUAL IN-LINE



8-Lead PDIP (P)
(9.5mm x 7.9mm x 3.94mm)

PLASTIC DUAL FLAT NO LEAD



8-Lead MLF/DFN (MF)
(6mm x 4.9mm x 0.91mm)

8-Lead DFN (MC)
(2mm x 3mm x 0.9mm)

SMALL OUTLINE TRANSISTOR



5- and 6-Lead SOT-23 (OT)
(2.8mm x 2.95mm x 1.2mm)

PLASTIC SHRINK SMALL OUTLINE



8-Lead MSOP (MS)
(4.9mm x 3mm x 1.1mm)

PLASTIC THIN SHRINK SMALL OUTLINE



8-Lead TSSOP (ST)
(6.38mm x 3mm x 1.1mm)



14-Lead TSSOP (ST14)
(5mm x 6.38mm x 1.1mm)

Note: Dimensions Include Leads

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