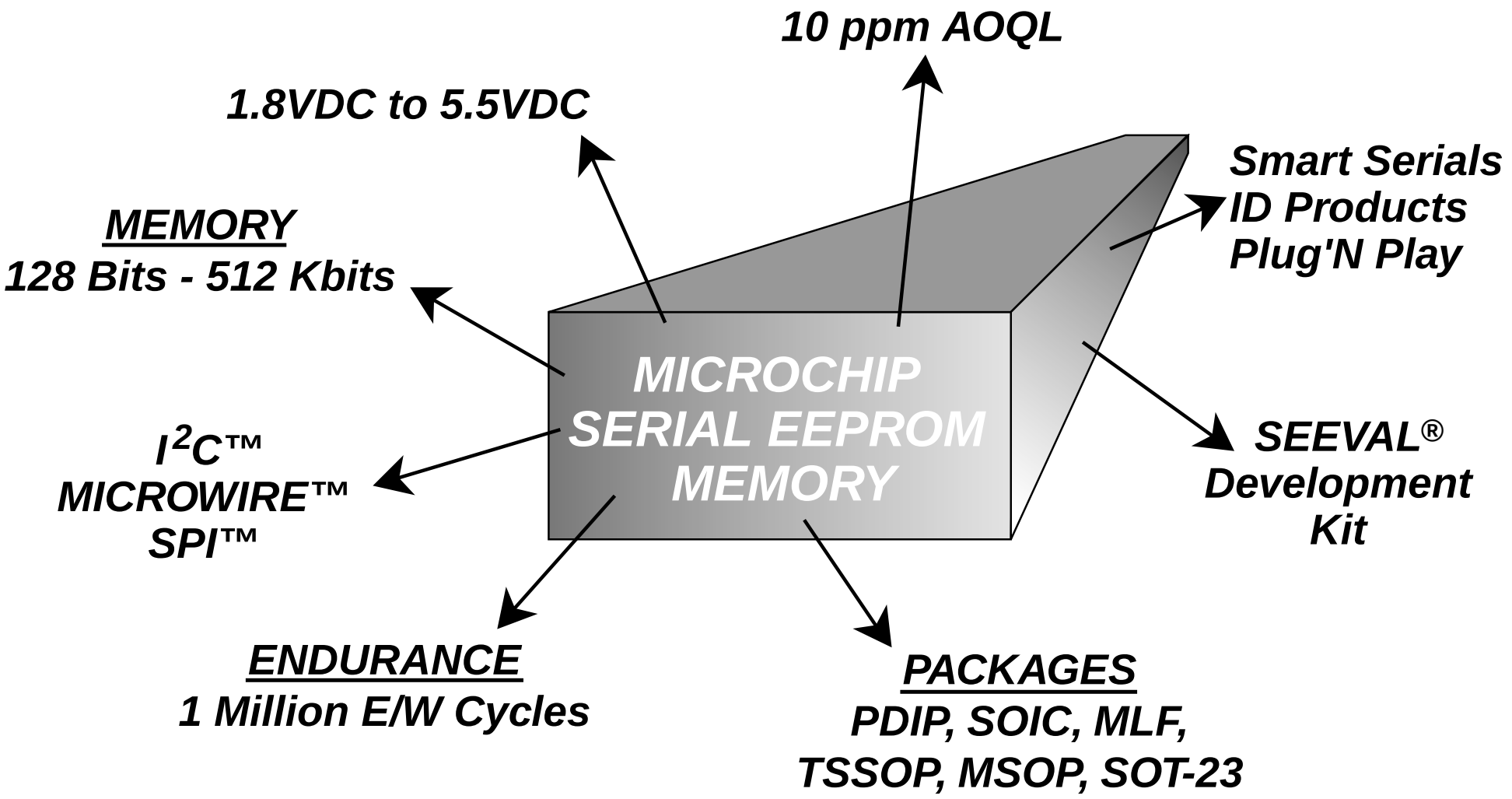
SERIAL EEPROM CROSS REFERENCE GUIDE

1st. Edition 2002



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Size (bits)	MCHP Part #	Atmel Part #	Catalyst Part #	Fairchild Part #	Philips / Signetics Part #	Rohm Part #	ST Part #	Xicor Part #
128 to 512K I²C Devices (Microchip's I²C, B revision devices do not use address pins A0, A1 and A2. These pins have no internal connection.)								
128	24C00 **T- t / p**							
128	24LC00 **T- t / p**							X24C00 **pt-v**
1K	24AA01 **T- t / p**	AT24C01-10-**pt-v T**	CAT24WC01-**pt-v T**				M24C01-**vptT**	
1K	24C01B **T- t / p**				PCA8581-**p**	BR24C01A-**p**-W **T**		
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
1K	24LC21 **T- t / p**	AT24C21-10-**pt-v T**			PCB2421C-**p**		ST24LC21B-**ptT**	
1K	24LC21A **T- t / p**					BR24C21-**p-T**	ST24FC21-**ptT**	
1K	24LCS21 **T- t / p**						ST24LW21-**ptT**	
1K	24LCS21A **T- t / p**						ST24FW21-**ptT**	
2K	24AA02 **T- t / p**	AT24C02d-10-**pt-v T**	CAT24WC02-**pt-v T**				M24C02-**vptT**	
2K	24C02B **T- t / p**			FM24C02U-**fvtp**	PCF8582C-2-**p**	BR24C02-**p-T**		
2K	24LC02B **T- t / p**							
2K	24C02C **T- t / p**	AT24C02d-10-**pt-v T**	CAT24WC02-**pt-v T**	FM24C02U-**fvtp**	PCF8582C-2-**p**		M24C02-**vptT**	X24C02-**pt-v**
2K	24LC024 **T- t / p**	AT24C02d-10-**pt-v T**	CAT24WC02-**pt-v T**		PCF8582C-2-**p**		M24C02-**vptT**	X24C02-**pt-v**
2K	24LC025 **T- t / p**							
2K	24LCS52 **T- t / p**						M34C02, M34C02-W	
4K	24AA04 **T- t / p**	AT24C04d-10-**pt-v T**	CAT24WC04-**pt-v T**				M24C04-**vptT**	
4K	24C04B **T- t / p**			FM24C04U-**fvtp**	PCF8594C-2-**p**	BR24C04-**p-T**		X24C04-**pt-v**
4K	24LC04B **T- t / p**							
8K	24AA08 **T- t / p**	AT24C08d-10-**pt-v T**	CAT24WC08-**pt-v T**				M24C08-**vptT**	
8K	24C08B **T- t / p**			FM24C08U-**fvtp**	PCF8598C-2-**p**	BR24C08-**p-T**		X24C08-**pt-v**
8K	24LC08B **T- t / p**							
16K	24AA16 **T- t / p**	AT24C164d-10-**pt-v T**	CAT24WC16-**pt-v T**				M24C16-**vptT**	
16K	24C16B **T- t / p**			FM24C16U-**fxvtp**	PCF85116-3-**p**	BR24C16-**p-T**		X24C16-**pt-v**
16K	24LC16B **T- t / p**							X24C164-**pt-v**
32K	24AA32A **T- t / p**	AT24C32d-10-**pt-v T**	CAT24WC32-**pt-v T**				M24C32-**vptT**	X24320-**pt-v**
32K	24C32A **T- t / p**					BR24C32-**p-T**		
32K	24LC32A **T- t / p**							
64K	24AA64 **T- t / p**	AT24C64d-10-**pt-v T**	CAT24WC64-**pt-v T**				M24C64-**vptT**	
64K	24C64 **T- t / p**			NM24C65U-**fxvtp**		BR24C64-**p-T**		X24645-**pt-v**
64K	24LC64 **T- t / p**							
64K	24C65 **T- t / p**							
64K	24LC65 **T- t / p**							
128K	24AA128 **T- t / p**	AT24C128d-10-**pt-v T**	CAT24WC128-**pt-v T**				M24C128-B-**vptT**	
128K	24C128 **T- t / p**							X24128-**pt-v**
128K	24LC128 **T- t / p**							
256K	24AA256 **T- t / p**	AT24C256d-10-**pt-v T**	CAT24WC256-**pt-v T**				M24C256-A-**vptT**	
256K	24C256 **T- t / p**			FM24C256-**fvtpT**				X24C256-**pt-v**
256K	24LC256 **T- t / p**							
512K	24AA515 **T- t / p**	AT24C512d-10-**pt-v T**					M24512-**vptT**	
512K	24LC515 **T- t / p**							

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Size (bits)	MCHP Part #	Atmel Part #	Catalyst Part #	Fairchild Part #	Philips / Signetics Part #	Rohm Part #	ST Part #	Xicor Part #
4K to 64K SPI Devices								
4K	25AA040 **T- t / p**	AT25040d-10-**pt-v T**	CAT25WC04-**pt-v T**				ST95040-**vptTR**	
4K	25C040 **T- t / p**			NM25C040-**vtp**			M95040-**vptT**	X25040-**pt-v**
4K	25LC040 **T- t / p**							X25057-**pt-v** (5 MHz)
8K	25AA080 **T- t / p**	AT25080d-10-**pt-v T**	CAT25WC08-**pt-v T**				ST95080-**vptTR**	
8K	25C080 **T- t / p**	AT25080d-10-**pt-v T**	CAT25WC08-**pt-v T**				M95080-**vptT**	
8K	25LC080 **T- t / p**							X25097-**pt-v** (5 MHz)
16K	25AA160 **T- t / p**	AT25160d-10-**pt-v T**	CAT25WC16-**pt-v T**				M95160-**vptT**	
16K	25C0160 **T- t / p**			NM25C160-**vtp**				X25160-**pt-v**
16K	25LC160 **T- t / p**							X25170-**pt-v** (5 MHz)
16K	25AA320 **T- t / p**	AT25320d-10-**pt-v T**	CAT25WC32-**pt-v T**				M95320-**vptT**	
32K	25C320 **T- t / p**							
32K	25LC320 **T- t / p**							X25320-**pt-v**
64K	25AA640 **T- t / p**	AT25640d-10-**pt-v T**	CAT25WC64-**pt-v T**				M95640-**vptT**	
64K	25C640 **T- t / p**			NM25C640-**vtp**				X25642-**pt-v**
64K	25LC640 **T- t / p**							X25650-**pt-v** (5 MHz)
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/16-bit mode: 93XX46/56/76/86 (ORG pin used to select mode)								
1K	93AA46 **T- t / p**	AT93C46d-10-**pt-v T** (X8 / X16 bit)	CAT93C46-**pt-v T** (X8 / X16 bit)				M93C46-**xvptT** (X8 / X16 bit)	
1K	93C46 **T- t / p**			FM93C46A-**xvtp** (X8 / X16 bit)				
1K	93LC46 **T- t / p**							
1K	93LC46A **T- t / p**		CAT93C46-**pt-v T** (set to 8-bit mode)	FM93C46A-**xvtp** (set to 8-bit mode)			M93C46-**xvptT** (set to 8-bit mode)	
1K	93C46B **T- t / p**	AT93C46A-10-**pt-v T** (X16 bit)	CAT93C46-**pt-v T** (set to 16-bit mode)	FM93C46-**xvtp** (X16 bit)			M93C46-**xvptT** (set to 16-bit mode)	
1K	93LC46B **T- t / p**					BR93LL46-**p-T**		
2K	93AA56 **T- t / p**	AT93C56-10-**pt-v T** (X8 / X16 bit)	CAT93C56-**pt-v T** (X8 / X16 bit)				M93C56-**xvptT** (X8 / X16 bit)	
2K	93C56 **T- t / p**			FM93C56A-**xvtp** (X8 / X16 bit)				
2K	93LC56 **T- t / p**							
2K	93C56A **T- t / p**	AT93C56-10-**pt-v T** (set to 8-bit mode)	CAT93C56-**pt-v T** (set to 8-bit mode)	FM93C56A-**xvtp** (set to 8-bit mode)			M93C56-**xvptT** (set to 8-bit mode)	
2K	93LC56A **T- t / p**							
2K	93C56B **T- t / p**	AT93C56-10-**pt-v T** (set to 16-bit mode)	CAT93C56-**pt-v T** (set to 16-bit mode)	FM93C56-**xvtp** (X16 bit)			M93C56-**xvptT** (set to 16-bit mode)	
2K	93LC56B **T- t / p**					BR93LC56-**p-T**		
4K	93AA66 **T- t / p**	AT93C66-10-**pt-v T** (X8 / X16 bit)	CAT93C66-**pt-v T** (X8 / X16 bit)				M93C66-**xvptT** (X8 / X16 bit)	
4K	93C66 **T- t / p**			FM93C66A-**xvtp** (X8 / X16 bit)				
4K	93LC66**T- t / p**							
4K	93C66A **T- t / p**	AT93C66-10-**pt-v T** (set to 8-bit mode)	CAT93C66-**pt-v T** (set to 8-bit mode)	FM93C66A-**xvtp** (set to 8-bit mode)			M93C66-**xvptT** (set to 8-bit mode)	
4K	93LC66A **T- t / p**							
4K	93C66B **T- t / p**	AT93C66-10-**pt-v T** (set to 16-bit mode)	CAT93C66-**pt-v T** (set to 16-bit mode)	FM93C66-**xvtp** (X16 bit)			M93C66-**xvptT** (set to 16-bit mode)	
4K	93LC66B **T- t / p**					BR93LC66-**p-T**		
8K	93AA76 **T- t / p**						M93C76-**xvptT** (X8 / X16 bit)	
8K	93C76 **T- t / p**							
8K	93LC76 **T- t / p**							
16K	93AA86 **T- t / p**	AT93C86-10-**pt-v T** (X8 / X16 bit)	CAT93C86-**pt-v T** (X8 / X16 bit)				M93C86-**xvptT** (X8 / X16 bit)	
16K	93C86 **T- t / p**			NM93C86A-**xvtp** (X8 / X16 bit)				
16K	93LC86 **T- t / p**							

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-SOT-23	OT							
8-PDIP	P	P	P	N	P	Blank	BN or B	P
8-SOIC (.150)	SN	S (**d** = N)	J	M8	T	F = 8-SOP (Tight fit)	MN or M	S8 or Blank
8-SOIC (.208)	SM	S (**d** = W)			T (8K only)	FJ = SOP J8	MW	A8
14-SOIC		S (**d** =)					MJ	
16-SOIC							MJ	
8-MSOP	MS	M						M
8-TSSOP (4.4mm)	ST	T	U	MT8		FV	DW	
14-TSSOP (4.4mm)	ST14	T (**d** = T1)	U14				DL	V14
8-MLF-S 8-LAP	MF	C						
8-Wide LAP 8-LGA		C1					ZL	
8-dBGA		U3, U4						
5-DBGA							EA	
Packages with Rotated Pinouts				**X = Pinout Type**			**X = Pinout Type**	
Normal Pinout	Standard			Blank			Blank	
Rotated 90^{o}	X in part number			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^{o}C to +70^{o}C	C	C	Blank	Blank			Blank	Blank
-40^{o}C to +85^{o}C	I	I	I	E			6	I
-40^{o}C to +125^{o}C	E			V			3	
-20^{o}C to +85^{o}C					All Devices		5	
-40^{o}C to +105^{o}C			A					
Operating Voltage	**Voltage**	**v = Voltage**	**v = Voltage**	**v = Voltage**	**Voltage**	**Voltage**	**v = Voltage**	**v = Voltage**
4.5V to 5.5V	C			H or Blank	Blank (1K only)		Blank	
2.5V to 5.5V	LC	2.5	2.5		C or Blank		W	2.5
2.7V to 5.5V		2.7	2.7	L or LZ		LC		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					R	
Miscellaneous				**f = Frequency**				
				Blank = 100 kHz F = 400 kHz				

MICROCHIP PACKAGE OPTIONS FOR SEEPROMS

(Xmm x Ymm x Zmm)

PLASTIC SMALL OUTLINE

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

8-Lead SOIC (SM)
(5.2mm x 8mm x 1.97mm)

PLASTIC DUAL IN-LINE

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

MICRO LEAD FRAME

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

SMALL OUTLINE TRANSISTOR

5-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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