I2C™ COMPATIBLE SERIAL EEPROMS (CONT.)

Mfg. Part No.	Packaging	Memory Size	Frequency	Supply Voltage	Stock No.	Price Each 1-24+
I2C, 4K x 8bit						
24LC32A/SN	SOIC-8	32Kbit	400kHz	2.5V-5.5V	33C2976	---
24LC32AT-I/SN	SOIC-8	32Kbit	400kHz	2.5V-5.5V	92C7191	---
24LC32AF-I/SN	SOIC-8	32Kbit	400kHz	2.5V-5.5V	08P0097	---
24LC32A-I/SM	SOIJ-8	32Kbit	400kHz	2.5V-5.5V	92C7182	---
24AA32AT-I/OT	SOT-23-5	32Kbit	400kHz	1.7V-5.5V	84R4149	---
24LC32AT-I/OT	SOT-23-5	32Kbit	400kHz	2.5V-5.5V	08P0113	0.32
24AA32A-I/ST	TSSOP-8	32Kbit	400kHz	1.7V-5.5V	40C2563	---
24LC32A-I/ST	TSSOP-8	32Kbit	400kHz	2.5V-5.5V	96K4079	---
I2C, 64K x 8bit						
24FC512-I/MF	DFN-8	512Kbit	1MHz	1.7V-5.5V	92C7011	---
24AA512-I/MF	DFN-8	512Kbit	400kHz	1.7V-5.5V	92C6898	---
24FC512-I/P	DIP-8	512Kbit	1MHz	1.7V-5.5V	54K2862	1.34
24FC515-I/P	DIP-8	512Kbit	1MHz	2.5V-5.5V	69K7666	---
24AA512-I/P	DIP-8	512Kbit	400kHz	1.7V-5.5V	92C6899	---
24LC515-I/P	DIP-8	512Kbit	400kHz	2.5V-5.5V	92C7213	---
24LC512-I/P	DIP-8	512Kbit	400kHz	2.5V-5.5V	62K0581	1.34
24LC512-E/P	DIP-8	512Kbit	400kHz	2.5V-5.5V	92C7201	---
24LC512-I/SN	SOIC-8	512Kbit	400kHz	2.5V-5.5V	08R2186	---
24FC515-I/SM	SOIJ-8	512Kbit	1MHz	2.5V-5.5V	92C7019	---
24LC512-I/SM	SOIJ-8	512Kbit	400kHz	2.5V-5.5V	62K0582	---
24LC512T-I/SM	SOIJ-8	512Kbit	400kHz	2.5V-5.5V	92C7211	---
24LC512-E/SM	SOIJ-8	512Kbit	400kHz	2.5V-5.5V	92C7202	---
24LC512-I/SMG	SOIJ-8	512Kbit	400kHz	2.5V-5.5V	30H1539	1.30
24AA512-I/ST	TSSOP-8	512Kbit	400kHz	1.7V-5.5V	08R2173	---
24LC512-I/ST	TSSOP-8	512Kbit	400kHz	2.5V-5.5V	08R2187	---
I2C, 8 BLK (256K x 8bit)						
24LC16BT-I/MC	DFN-8	16Kbit	400kHz	2.5V-5.5V	84R4153	---
24LC16B-I/P	DIP-8	16Kbit	400kHz	2.5V-5.5V	62K0579	---
24LC16B/P	DIP-8	16Kbit	400kHz	2.5V-5.5V	69K7671	---
24LC16BH-I/P	DIP-8	16Kbit	400kHz	2.5V-5.5V	98M5322	---
24LC16B-I/MS	MSOP-8	16Kbit	400kHz	2.5V-5.5V	96K4075	---
24AA16-I/SN	SOIC-8	16Kbit	400kHz	1.7V-5.5V	96K4056	---
24LC16B/SN	SOIC-8	16Kbit	400kHz	2.5V-5.5V	12C2012	---
24LC16B-I/SN	SOIC-8	16Kbit	400kHz	2.5V-5.5V	69K7670	---
24LC16BT-I/SN	SOIC-8	16Kbit	400kHz	2.5V-5.5V	12C2013	---
24LC16B-E/SN	SOIC-8	16Kbit	400kHz	2.5V-5.5V	92C7144	---
24LC16B-I/SNG	SOIC-8	16Kbit	400kHz	2.5V-5.5V	03H7541	0.27
24AA16T-I/OT	SOT-23-5	16Kbit	400kHz	1.7V-5.5V	92C6865	---
24LC16BT-I/OT	SOT-23-5	16Kbit	400kHz	2.5V-5.5V	62K0580	0.20
24LC16B-I/ST	TSSOP-8	16Kbit	400kHz	2.5V-5.5V	96K4076	---
I2C, 8K x 8bit						
24AA64T-I/MC	DFN-8	64Kbit	400kHz	1.7V-5.5V	31K5809	---
24AA64-I/P	DIP-8	64Kbit	400kHz	1.7V-5.5V	92C6909	---
24AA64F-I/P	DIP-8	64Kbit	400kHz	1.7V-5.5V	08P0051	---
24LC64-I/P	DIP-8	64Kbit	400kHz	2.5V-5.5V	62K0584	---
24LC64F-I/P	DIP-8	64Kbit	400kHz	2.5V-5.5V	08P0124	---
24LC65-I/P	DIP-8	64Kbit	400kHz	2.5V-6V	59K0361	---
24LC65/P	DIP-8	64Kbit	400kHz	2.5V-6V	88K1357	---
24C65/P	DIP-8	64Kbit	400kHz	4.5V-6V	89C9798	---
24AA64-I/MS	MSOP-8	64Kbit	400kHz	1.7V-5.5V	40C2573	---
24LC64-I/SN	SOIC-8	64Kbit	400kHz	2.5V-5.5V	12C2020	0.40
24LC64-E/SN	SOIC-8	64Kbit	400kHz	2.5V-5.5V	92C7217	---
24LC64T-I/SN	SOIC-8	64Kbit	400kHz	2.5V-5.5V	12C2021	0.40
24LC64F-I/SN	SOIC-8	64Kbit	400kHz	2.5V-5.5V	08P0126	---
24AA64-I/SM	SOIJ-8	64Kbit	400kHz	1.7V-5.5V	92C6910	---
24LC64-I/SM	SOIJ-8	64Kbit	400kHz	2.5V-5.5V	12C2019	---
24LC65-I/SM	SOIJ-8	64Kbit	400kHz	2.5V-6V	89C9816	---
24C65-I/SM	SOIJ-8	64Kbit	400kHz	4.5V-6V	60K7101	---
24C65/SM	SOIJ-8	64Kbit	400kHz	4.5V-6V	96K4066	1.25
24AA64T-I/OT	SOT-23-5	64Kbit	400kHz	1.7V-5.5V	08P0062	---
24AA64FT-I/OT	SOT-23-5	64Kbit	400kHz	1.7V-5.5V	84R4151	0.36
24LC64T-I/OT	SOT-23-5	64Kbit	400kHz	2.5V-5.5V	08P0142	---
24AA64T-I/MNY	TDFN-8	64Kbit	400kHz	1.7V-5.5V	84R4152	---
24AA64-I/ST	TSSOP-8	64Kbit	400kHz	1.7V-5.5V	40C2574	---
24LC64X-I/ST	TSSOP-8	64Kbit	400kHz	2.5V-5.5V	96K4081	---

PIM_60678

SPI™ COMPATIBLE SERIAL EEPROMS

RoHS Compliant Available

 MICROCHIP

Microchip Technology Inc. supports the **Serial Peripheral Interface (SPI)** compatible serial bus architecture with low-voltage serial Electrically Erasable PROMs (EEPROM) that range in density from 1 Kbits up to 1 Mbits. Byte-

SPI™ COMPATIBLE SERIAL EEPROMS (CONT.)

level and page-level functions are supported, but the higher density 512 Kbit and 1 Mbit devices also feature Sector and Chip erase functions typically associated with Flash-based products.

The bus signals required are a clock input (SCK) plus separate data in (SI) and data out (SO) lines. Access to the device is controlled through a Chip Select (CS) input.

Product Identification System

Device	Density	Temperature Range:	Packaging Medium	Package
EEPROM Series – 25 Voltage – AA = 1.8V-5.5V LC = 2.5V-5.5V	010A = 1 Kbit 020A = 2 Kbit 040A = 4 Kbit 080A = 8 Kbit 080B = 8 Kbit 160A = 16 Kbit 160B = 16 Kbit 320A = 32 Kbit 640A = 64 Kbit 128 = 128 Kbit 256 = 256 Kbit 512 = 512 Kbit 1024 = 1024 Kbit (1Mbit)	I = -40°C to +85°C E = -40°C to +125°C	T = Tape and Reel Blank = Std. Pkg.	P = Plastic DIP SN = Plastic SOIC SM = Plastic SOIC ST = Plastic TSSOP MS = Plastic Micro Small Outline (MSOP) MC = 2x3 mm DFN MF = 6x5 mm DFN OT = SOT-23

Mfg. Part No.	Packaging	Memory Size	Frequency	Supply Voltage	Stock No.	Price Each 1-24+
SPI, 128K x 8bit						
25AA1024-I/MF	DFN-8	1Mbit	20MHz	1.8V-5.5V	89H3143	---
25AA1024-I/P	DIP-8	1Mbit	20MHz	1.8V-5.5V	89H3144	---
25LC1024-I/P	DIP-8	1Mbit	20MHz	2.5V-5.5V	89H3176	---
25LC1024-E/P	DIP-8	1Mbit	20MHz	2.5V-5.5V	89H3173	2.49
25AA1024-I/SM	SOIJ-8	1Mbit	20MHz	1.8V-5.5V	89H3146	---
25LC1024-I/SM	SOIJ-8	1Mbit	20MHz	2.5V-5.5V	89H3178	---
25LC1024-E/SM	SOIJ-8	1Mbit	20MHz	2.5V-5.5V	89H3174	3.00
SPI, 128 x 8bit						
25AA010A-I/SN	SOIC-8	1Kbit	10MHz	1.8V-5.5V	72J3618	---
25LC010A-I/SN	SOIC-8	1Kbit	10MHz	2.5V-5.5V	72J3649	---
25LC010AT-I/SN	SOIC-8	1Kbit	10MHz	2.5V-5.5V	99M0829	---
25AA010AT-I/OT	SOT-23-6	1Kbit	10MHz	1.8V-5.5V	72J3622	---
25LC010AT-I/OT	SOT-23-6	1Kbit	10MHz	2.5V-5.5V	72J3657	---
SPI, 16K x 8bit						
25AA128-I/P	DIP-8	128Kbit	10MHz	1.8V-5.5V	17M3481	---
25LC128-I/P	DIP-8	128Kbit	10MHz	2.5V-5.5V	17M3507	---
25AA128-I/SN	SOIC-8	128Kbit	10MHz	1.8V-5.5V	17M3483	---
25AA128T-I/ST	TSSOP-8	128Kbit	10MHz	1.8V-5.5V	84R4156	---
25LC128-I/ST	TSSOP-8	128Kbit	10MHz	2.5V-5.5V	17M3510	---
SPI, 1K x 8bit						
25C080-I/P	DIP-8	8Kbit	3MHz	4.5V-5.5V	92C7398	---
25LC080B-I/P	DIP-8	8Kbit	10MHz	2.5V-5.5V	30H1589	---
25AA080/SN	SOIC-8	8Kbit	1MHz	1.8V-5.5V	92C7351	---
25AA080-I/SN	SOIC-8	8Kbit	1MHz	1.8V-5.5V	92C7347	---
25LC080-I/SN	SOIC-8	8Kbit	2MHz	2.5V-5.5V	92C7437	---
25C080-I/SN	SOIC-8	8Kbit	3MHz	4.5V-5.5V	96K4085	---
25C080/SN	SOIC-8	8Kbit	3MHz	4.5V-5.5V	96K4086	---
25AA080A-I/SN	SOIC-8	8Kbit	10MHz	1.8V-5.5V	30H1550	---
25LC080B-I/SN	SOIC-8	8Kbit	10MHz	2.5V-5.5V	30H1590	---
25LC080A-I/SN	SOIC-8	8Kbit	10MHz	2.5V-5.5V	30H1580	---
25LC080A-E/SN	SOIC-8	8Kbit	10MHz	2.5V-5.5V	30H1577	---
25AA080A-I/ST	TSSOP-8	8Kbit	10MHz	1.8V-5.5V	30H1551	---
SPI, 256K x 8bit						
25AA020A-I/SN	SOIC-8	2Kbit	10MHz	1.8V-5.5V	72J3627	---
25AA02E48-I/SN	SOIC-8	2Kbit	10MHz	1.8V-5.5V	45P4904	---
25AA02E48T-I/SN	SOIC-8	2Kbit	10MHz	1.8V-5.5V	84R4155	0.40
25LC020A-I/SN	SOIC-8	2Kbit	10MHz	2.5V-5.5V	72J3666	---
25AA02E48T-I/OT	SOT-23-6	2Kbit	10MHz	1.8V-5.5V	45P4905	0.30
25LC020AT-I/OT	SOT-23-6	2Kbit	10MHz	2.5V-5.5V	72J3674	---
SPI, 2K x 8bit						
25LC160/P	DIP-8	16Kbit	2MHz	2.5V-5.5V	96K4094	---
25C160/P	DIP-8	16Kbit	3MHz	4.5V-5.5V	96K4088	---
25C160-I/SN	SOIC-8	16Kbit	3MHz	4.5V-5.5V	96K4087	---
25C160/SN	SOIC-8	16Kbit	3MHz	4.5V-5.5V	96K4089	---
25AA160B-I/SN	SOIC-8	16Kbit	10MHz	1.8V-5.5V	30H1571	---
25LC160B-I/SN	SOIC-8	16Kbit	10MHz	2.5V-5.5V	30H1610	---
25AA160A-I/ST	TSSOP-8	16Kbit	10MHz	1.8V-5.5V	30H1565	---
25LC160A-I/ST	TSSOP-8	16Kbit	10MHz	2.5V-5.5V	30H1601	---
SPI, 32K x 8bit						
25AA256-I/MF	DFN-8	256Kbit	10MHz	1.8V-5.5V	61H6045	---
25LC256-I/MF	DFN-8	256Kbit	10MHz	2.5V-5.5V	61H6098	---
25AA256-I/P	DIP-8	256Kbit	10MHz	1.8V-5.5V	92C7369	---
25LC256-I/P	DIP-8	256Kbit	10MHz	2.5V-5.5V	92C7459	---
25LC256-I/SN	SOIC-8	256Kbit	10MHz	2.5V-5.5V	92C7460	---
25LC256-E/SN	SOIC-8	256Kbit	10MHz	2.5V-5.5V	92C7458	---