

# Memory and Programmable Logic

RoHS Compliant This product is RoHS compliant.

## Atmel SERIAL EEPROMS

MOUSER STOCK NO.	Atmel Part No.	Package	Density	Organization	Interface Type	Temperature Range (°C)	Vcc (V)	Price Each			
								1	10	25	100
556-AT24C02C-PUM	AT24C02C-PUM	PDIP-8	2KB	256Bx8	I2C	-40 to +85	1.7 - 5.5	.30	.298	.277	.259
556-AT24C02C-SSHMB-B	AT24C02C-SSHMB-B	SOIC-8	2KB	256Bx8	I2C	-40 to +85	1.7 - 5.5	.30	.29	.268	.239
556-A24HC02BNSH-B	AT24HC02BN-SH-B	SOIC-8	2KB	256Bx8	I2C	-40 to +85	1.8 - 5.5	.36	.34	.32	.30
556-A24C64BN10SU.2.7	AT24C64BN-10SU-2.7	SOIC-8	64KB	8192Bx8	I2C	-40 to +85	2.7 - 5.5	.76	.746	.694	.649
556-AT24C64D-SSHMT	AT24C64D-SSHMT	SOIC-8	64KB	8192Bx8	I2C	-40 to +85	1.7 - 5.5	1.37	1.25	1.09	.472
556-AT24C256C-SSHL-B	AT24C256C-SSHL-B	SOIC-8	256KB	32,768Bx8	I2C	-40 to +85	1.7 - 5.5	.72	.69	.687	.68
556-A24C1024BTH-B	AT24C1024B-TH-B	TSSOP-8	1MB	131,072Bx8	I2C	-40 to +85	1.8 - 5.5	3.04	2.91	2.77	2.48
556-A24C1024BWSH25-B	AT24C1024BW-SH25-B	SOIC-8	1MB	131,072Bx8	I2C	-40 to +85	2.5 - 5.5	3.83	3.65	3.40	2.78
556-AT25020B-SSHL-B	AT25020B-SSHL-B	SOIC-8	2KB	256Bx8	SPI	-40 to +85	1.8 - 5.5	.60	.56	.52	.469
556-AT25040B-SSHL-B	AT25040B-SSHL-B	SOIC-8	4KB	512Bx8	SPI	-40 to +85	1.8 - 5.5	.47	.44	.413	.366
556-AT25256B-SSHL-B	AT25256B-SSHL-B	SOIC-8	256KB	32,768Bx8	SPI	-40 to +85	1.8 - 5.5	2.14	1.84	1.64	1.49
556-AT25256B-XHL-B	AT25256B-XHL-B	TSSOP-8	256KB	32,768Bx8	SPI	-40 to +85	1.8 - 5.5	2.40	2.07	1.84	1.68
556-AT25512N-SH-B	AT25512N-SH-B	SOIC-8	512KB	65,536Bx8	SPI	-40 to +85	1.8 - 5.5	4.15	3.59	3.28	3.04
556-A93C46DTH-B	AT93C46D-TH-B	TSSOP-8	1KB	128Bx8	Microwire	-40 to +85	1.8 - 5.5	.23	.224	.214	.196
556-A93C46DNSH-B	AT93C46DN-SH-B	SOIC-8	1KB	128Bx8	Microwire	-40 to +85	1.8 - 5.5	.26	.251	.216	.19
556-A93C46E-PU	AT93C46E-PU	PDIP-8	1KB	64Bx16	Microwire	-40 to +85	1.8 - 5.5	.34	.32	.29	.24
556-A93C46ENSH-B	AT93C46EN-SH-B	SOIC-8	1KB	64Bx16	Microwire	-40 to +85	1.8 - 5.5	.29	.242	.214	.197
556-A93C86A10SU.2.7	AT93C86A-10SU-2.7	SOIC-8	16KB	2KBx8 or 1Kx16	Microwire	-40 to +85	2.7 - 5.5	.55	.50	.48	.468

## Atmel PARALLEL EEPROMS

MOUSER STOCK NO.	Atmel Part No.	Package	Density	Organization	Speed	Vcc (V)	Price Each			
							1	10	25	100
556-AT28C64B15PU	AT28C64B-15PU	PDIP	64KB	8KBx8	150ns	4.5 - 5.5	6.64	6.53	5.85	5.26
556-AT28HC64B70SU	AT28HC64B-70SU	SOIC	64KB	8KBx8	70ns, 90ns, 120ns	4.5 - 5.5	6.92	6.67	6.43	6.00
556-AT28HC256-70SU	AT28HC256-70SU	SOIC	256KB	32KBx8	70ns, 90ns, 120ns	4.5 - 5.5	12.16	9.72	8.71	8.68
556-AT28C25615PU	AT28C256-15PU	PDIP	256KB	32KBx8	150ns	4.5 - 5.5	5.37	5.21	4.99	4.65

## Atmel OTP EPROM

MOUSER STOCK NO.	Atmel Part No.	Package	Density	Organization	Speed	Vcc (V)	Price Each			
							1	10	25	100
556-AT27C256R70PU	AT27C256R-70PU	PDIP	256KB	32KBx8	70ns	5	2.05	1.88	1.71	1.56
556-AT27C256R45PU	AT27C256R-45PU	PDIP	256KB	32KBx8	45ns, 70ns	4.5 - 5.5	1.20	1.14	1.11	1.04
556-AT27C512R45PU	AT27C512R-45PU	PDIP	512KB	64KBx8	45ns, 70ns	4.5 - 5.5	2.95	2.35	2.20	2.00
556-AT27C512R70PU	AT27C512R-70PU	PDIP	512KB	64KBx8	70ns	5	2.34	2.17	2.01	1.77
556-AT27C512R70JU	AT27C512R-70JU	PLCC	512KB	64KBx8	70ns	5	2.34	2.17	2.01	1.77
556-AT27C102470PU	AT27C1024-70PU	PDIP	1MB	64KBx16	70ns	5	3.56	3.27	2.98	2.70
556-AT27C2048-55JU	AT27C2048-55JU	PLCC	2MB	128KBx16	55ns, 90ns	4.5 - 5.5	3.08	2.91	2.86	2.67
556-AT27C4096-90JU	AT27C4096-90JU	PLCC	4MB	256KBx16	55ns, 90ns	4.5 - 5.5	6.68	6.15	5.62	5.13

## Atmel ELECTRONICALLY ERASABLE PROGRAMMABLE LOGIC DEVICES - EEPPLDS

MOUSER STOCK NO.	Atmel Part No.	Package	Tpd	I/O Pins	Macrocells	Power Options	Registers	Usable Gates	Vcc (V)	Price Each			
										1	10	25	100
556-AF16V8C7PU	ATF16V8C-7PU	PDIP	5ns, 7ns	8	8	Standard	8	150	5	2.50	2.20	2.02	1.56
556-AF16V8B15PU	ATF16V8B-15PU	PDIP-20	15	20	8	Standard	8	150	5	.55	.537	.50	.467
556-AF22V10C15PU	ATF22V10C-15PU	PDIP	15ns	24	10	Standard	10	350	5	1.74	1.68	1.61	1.46
556-AF16V8BQL15PU	ATF16V8BQL-15PU	PDIP	15ns	20	8	Quarter	8	150	5	1.13	1.10	1.02	.96

## maxim integrated. EEPROM

MOUSER STOCK NO.	Maxim Part No.	Package Type	Memory Size	Organization	Interface Type	Supply Voltage (V)		Price Each		
						Min.	Max.	1	25	100
700-DS2431GA-U	DS2431GA-U	SFN-2	1024bit	4 pagesx256K	1-Wire	2.5	5.25	1.98	1.33	.948
700-DS24B33G+T&R	DS24B33G+T&R	TO-92	4KB	256Kx16	1-Wire	-0.5	6	3.45	3.25	1.72
700-DS2431X-S	DS2431X-S+	UCSP-6	1024bit	4 pagesx256bits	1-Wire	2.8	5.25	1.59	1.06	.76
700-DS2431PT&R	DS2431P+T&R	TSOC-6	1024bit	4 pagesx256bits	1-Wire	2.8	5.25	1.57	1.16	.96
700-DS2431Q&R	DS2431Q+T&R	TDFN-6	1024bit	4 pagesx256bits	1-Wire	2.8	5.25	1.80	1.70	.84

## maxim integrated. NVRAM

MOUSER STOCK NO.	Maxim Part No.	Package Type	Memory Size	Organization	Interface Type	Access Time (ns)	Supply Voltage (V)		Operating Current (mA)	Price Each		
							Min.	Max.		1	25	100
700-DS1245AB-100	DS1245AB-100+	EDIP-32	1Mbit	128Kx8	Parallel	100	4.75	5.25	85	18.28	17.65	17.31

## ON Semiconductor ON CATALYST LOW POWER 5.0 VOLT PARALLEL EEPROMS

These are fast, low power, 5V-only CMOS Parallel EEPROMs organized as 2K x 8-bits, 8K x 8-bits, 32K x 8-bits or 64K x 8-bits. They require a simple interface for in-system programming. On-chip address and data latches, self-timed write cycle with auto-clear and VCC power up/down write protection eliminate additional timing and protection hardware. DATA Polling signals the start and end of the self-timed write cycle. They also feature hardware write protection. They are manufactured using Catalyst's advanced CMOS floating gate technology. They are designed to endure 10,000 program/erase cycles and has a data retention of 10 years.

### Features:

- Fast read access times
- Low power CMOS dissipation
- Simple write operation: On-chip address and data latches Self-timed write cycle with auto-clear
- Fast write cycle time: 5ms max.
- CMOS and TTL compatible I/O
- Hardware and software write protection
- Automatic page write operation
- End of write detection
- 100,000 program/erase cycles
- 100 year data retention

### Surface Mount Device

MOUSER STOCK NO.	Catalyst Part No.	Case Type	Density	Organization	Access Time (ns)	Temperature Range (°C)	Operating Voltage (V)	Price Each			
								1	25	100	250
◆ 698-CAT28C16AGI-90	CAT28C16AGI-90	PLCC-32	16K	2K x 8	90	-40 to +85	4.5 to 5.5	11.85	9.49	8.88	8.28
◆ 698-CAT28C16AWI-90	CAT28C16AWI-90	SOIC-24	16K	2K x 8	90	-40 to +85	4.5 to 5.5	6.84	5.48	5.14	4.78
◆ 698-CAT28C64BGI-90	CAT28C64BGI-90	PLCC-32	64K	8K x 8	90	-40 to +85	4.5 to 5.5	8.72	6.99	6.55	6.11
◆ 698-CAT28C64BGI-12	CAT28C64BGI-12	PLCC-32	64K	8K x 8	120	-40 to +85	4.5 to 5.5	8.41	6.75	6.31	5.89
◆ 698-CAT28C64BXI-12	CAT28C64BXI-12	SOIC-28	64K	8K x 8	120	-40 to +85	4.5 to 5.5	8.56	6.85	6.43	6.00