

SERIAL EEPROM ICs (CONT.)

Mfg. Part No.	Packaging	Memory Size	Frequency	Supply Voltage	Stock No.	Price Each 1-249+
SPI, 256K x 8bit						
● AT25020B-SSHL-B	SOIC-8	2Kbit	20MHz	1.8V-5.5V	68T4213	---
SPI, 512K x 8bit						
● AT25040B-SSHL-T	SOIC-8	4Kbit	20MHz	1.8V-5.5V	68T4219	---
● AT25040B-SSHL-B	SOIC-8	4Kbit	20MHz	1.8V-5.5V	68T4218	---
SPI, 8K x 8bit						
● AT25640B-SSHL-T	SOIC-8	64Kbit	20MHz	1.8V-5.5V	68T4254	---
● AT25640B-XHL-B	TSSOP-8	64Kbit	20MHz	1.8V-5.5V	68T4255	---

PIM_197986

I2C SERIAL EEPROMS



ON Semiconductor



Serial EEPROM products are used in many applications to store user reconfigurable data. Common applications are disk drives, modems, cellular phones, VCRs, CD players, hearing aids, PCMCIA cards, cordless phones, laser printers, computers and pagers. These serial EEPROMs are compatible with I²C™ bus protocol and are offered in high density, 1K to 256K, and wide voltage, 1.8V to 6V, ranges. These EEPROM products also meet the automotive specifications for both inside-the-cabin and under-the-hood applications and are specified over the entire voltage range of 1.8V to 6.0V at the automotive temperature extremes.

Suffix: G: Shipping Tube, 50 Units / Tube; GT3: Tape & Reel, 3,000 Units / Reel

Mfg. Part No.	Packaging	Memory Size	Frequency	Supply Voltage	Stock No.	Price Each 1-24+
I2C						
● CAT24C04YI-GT3	TSSOP-8	4Kbit	400kHz	1.7V-5.5V	08R5405	0.07
I2C, 128K x 8bit						
● CAT24M01LI-G	DIP-8	1Mbit	1MHz	1.8V-5.5V	52T7614	---
● CAT24M01WI-GT3	SOIC-8	1Mbit	1MHz	1.8V-5.5V	52T7615	---
I2C, 128 x 8bit						
● CAT24C01LI-G	DIP-8	1Kbit	400kHz	1.7V-5.5V	06R0484	---
● CAT24C01WI-G	SOIC-8	1Kbit	400kHz	1.7V-5.5V	06R0486	---
● CAT24C01WI-GT3	SOIC-8	1Kbit	400kHz	1.7V-5.5V	08R5400	---
● CAT24C01YI-GT3	TSSOP-8	1Kbit	400kHz	1.7V-5.5V	08R5401	---
I2C, 16K x 8bit						
● CAT24C128LI-G	DIP-8	128Kbit	400kHz	1.8V-5.5V	06R0528	---
● CAT24C128WI-G	SOIC-8	128Kbit	400kHz	1.8V-5.5V	06R0529	---
● CAT24C128WI-GT3	SOIC-8	128Kbit	400kHz	1.8V-5.5V	08R5409	0.18
I2C, 1K x 8bit						
● CAT24C08LI-G	DIP-8	8Kbit	400kHz	1.7V-5.5V	06R0519	---
● CAT24C08WI-G	SOIC-8	8Kbit	400kHz	1.7V-5.5V	06R0521	---
● CAT24C08WI-GT3	SOIC-8	8Kbit	400kHz	1.7V-5.5V	08R5408	0.14
● CAT24C208WI-G	SOIC-8	8Kbit	400kHz	2.5V-5.5V	06R0547	---
● CAT24C208WI-GT3	SOIC-8	8Kbit	400kHz	2.5V-5.5V	08R5411	---
I2C, 256K x 8bit						
● CAT24AA02TDI-GT3	TSOT-23-5	2Kbit	400kHz	1.7V-5.5V	08R5399	---
● CAT34C02YI-G	TSSOP-8	2Kbit	400kHz	1.7V-5.5V	06R0958	---
I2C, 2K x 8bit						
● CAT24C16LI-G	DIP-8	16Kbit	400kHz	1.7V-5.5V	06R0533	---
● CAT24C164LI-G	DIP-8	16Kbit	400kHz	1.8V-5.5V	06R0541	---
● CAT24C164WI-G	SOIC-8	16Kbit	400kHz	1.8V-5.5V	06R0543	---
● CAT24C164WI-GT3	SOIC-8	16Kbit	400kHz	1.8V-5.5V	08R5410	---
● CAT24AA16TDI-GT3	TSOT-23-5	16Kbit	400kHz	1.7V-5.5V	10R6862	---
I2C, 32K x 8bit						
● CAT24C256LI-G	DIP-8	256Kbit	400kHz	1.8V-5.5V	06R0551	---
● CAT24C256WI-G	SOIC-8	256Kbit	400kHz	1.8V-5.5V	06R0552	0.84
● CAT24C256WI-GT3	SOIC-8	256Kbit	400kHz	1.8V-5.5V	08R5412	0.27
● CAT24C256XI	SOIC-8	256Kbit	400kHz	1.8V-5.5V	06R0554	---
● CAT24C256XI-T2	SOIC-8	256Kbit	400kHz	1.8V-5.5V	08R5413	---
I2C, 4K x 8bit						
● CAT24C32LI-G	DIP-8	32Kbit	400kHz	1.7V-5.5V	06R0558	---
● CAT24C32WI-G	SOIC-8	32Kbit	400kHz	1.7V-5.5V	06R0560	0.22
● CAT24C32WI-GT3	SOIC-8	32Kbit	400kHz	1.7V-5.5V	08R5414	0.18
● CAT24C32YI-GT3	TSSOP-8	32Kbit	400kHz	1.7V-5.5V	08R5415	---
I2C, 512K x 8bit						
● CAT24C04WI-G	SOIC-8	4Kbit	400kHz	1.7V-5.5V	06R0507	0.17
● CAT24C05WI-GT3	SOIC-8	4Kbit	400kHz	1.8V-5.5V	08R5406	---
I2C, 64K x 8bit						
● CAT24C512WI-GT3	SOIC-8	512Kbit	1MHz	1.8V-5.5V	52T7610	---
● CAT24C512YI-GT3	TSSOP-8	512Kbit	1MHz	1.8V-5.5V	52T7612	---
I2C, 8K x 8bit						
● CAT24C64LI-G	DIP-8	64Kbit	400kHz	1.7V-5.5V	06R0570	---
● CAT24C64WI-G	SOIC-8	64Kbit	400kHz	1.7V-5.5V	06R0572	---
● CAT24C64WI-GT3	SOIC-8	64Kbit	400kHz	1.7V-5.5V	08R5417	---
● CAT24C64YI-GT3	TSSOP-8	64Kbit	400kHz	1.7V-5.5V	08R5418	---

PIM_147902

MICROWIRE® COMPATIBLE SERIAL EEPROMS



MICROCHIP

Microwire family is available in 1-16kb devices as limited by the Microwire protocol. The part numbering scheme starts with a 93 prefix and ends with 46 for 1 kb, 56 for 2 kb, and so forth. Although it has a narrower density range, Microwire is faster than I²C and UNI/O parts at 3 MHz. And remember, this family has 4 signals, so it requires 4 micro I/Os as opposed to the 2-wire I²C bus and the single wire UNI/O bus.

Full Name: Microwire, also known as "3 wires". Security options: Software only. Number of signals: 4 (CLK, CS, DI, DO)

Product Identification system	
Device:	93AA56A: 2K 1.8V 93AA56B: 2K 1.8V 93AA56C: 2K 1.8V w/ORG 93LC56A: 2K 2.5V 93LC56B: 2K 2.5V 93LC56C: 2K 2.5V w/ORG 93C56A: 2K 5.0V 93C56B: 2K 5.0V 93C56C: 2K 5.0 w/ORG
Pinout:	Blank = Standard pinout X = Rotated pinout
Tape & Reel	Blank = Standard packaging T = Tape & Reel
Temperature Range	I = -40°C to +85°C E = -40°C to +125°C
Package	MS = Plastic MSOP OT = Plastic SOT-23 (Tape & Reel only) P = Plastic DIP SN = Plastic SOIC ST = Plastic TSSOP MC = Plastic DFN MNY = Plastic TDFN (Tape & Reel only)

Mfg. Part No.	Packaging	Memory Size	Frequency	Supply Voltage	Stock No.	Price Each 1-24+
Microwire, 128K x 16bit						
● 93AA56B-I/P	DIP-8	2Kbit	3MHz	1.8V-5.5V	30H4502	---
● 93LC56B-I/P	DIP-8	2Kbit	3MHz	2.5V-5.5V	62K2084	---
● 93C56B-I/P	DIP-8	2Kbit	3MHz	4.5V-5.5V	61H6567	---
● 93LC56B-I/SN	SOIC-8	2Kbit	3MHz	2.5V-5.5V	62K2085	---
● 93LC56B/SN	SOIC-8	2Kbit	3MHz	2.5V-5.5V	96K4109	---
● 93C56B-I/SN	SOIC-8	2Kbit	3MHz	4.5V-5.5V	61H6569	---
● 93AA56BT-I/OT	SOT-23-6	2Kbit	3MHz	1.8V-5.5V	30H4510	---
● 93LC56BT-I/OT	SOT-23-6	2Kbit	3MHz	2.5V-5.5V	30H4760	0.21
● 93LC56B-I/ST	TSSOP-8	2Kbit	3MHz	2.5V-5.5V	92C7687	---

Microwire, 128K x 8bit						
● 93C46A-I/SN	SOIC-8	1Kbit	3MHz	4.5V-5.5V	92C7592	---
Microwire, 128K x 8bit / 64K x 16bit						
● 93LC46C-I/MS	MSOP-8	1Kbit	3MHz	2.5V-5.5V	30H4710	---
● 93AA46/SN	SOIC-8	1Kbit	2MHz	1.8V-5.5V	96K4100	---
● 93LC46-I/SN	SOIC-8	1Kbit	2MHz	2.5V-5.5V	12C2029	---
● 93C46C-I/SN	SOIC-8	1Kbit	3MHz	4.5V-5.5V	30H4622	---
● 93LC46C-I/ST	TSSOP-8	1Kbit	3MHz	2.5V-5.5V	30H4716	---

Microwire, 128 x 8bit						
● 93LC46A-I/MS	MSOP-8	1Kbit	3MHz	2.5V-5.5V	92C7643	---
● 93LC46A/SN	SOIC-8	1Kbit	2MHz	2.5V-5.5V	33C3015	---
● 93LC46A-I/SN	SOIC-8	1Kbit	3MHz	2.5V-5.5V	90C0040	---
● 93LC46AT-I/SN	SOIC-8	1Kbit	3MHz	2.5V-5.5V	12C2031	---
● 93LC46AT-I/SN	SOIC-8	1Kbit	3MHz	2.5V-5.5V	14M8295	---
● 93AA46AT-I/OT	SOT-23-6	1Kbit	3MHz	1.8V-5.5V	92C7542	---
● 93LC46AT-I/OT	SOT-23-6	1Kbit	3MHz	2.5V-5.5V	92C7650	---
● 93LC46A-I/ST	TSSOP-8	1Kbit	3MHz	2.5V-5.5V	92C7645	---

Microwire, 1K x 16bit						
● 93AA86BT-I/OT	SOT-23-6	16Kbit	3MHz	1.8V-5.5V	61H6495	---
● 93LC86BT-I/OT	SOT-23-6	16Kbit	3MHz	2.5V-5.5V	61H6917	---

Microwire, 1K x 8bit						
● 93AA76AT-I/OT	SOT-23-6	8Kbit	3MHz	1.8V-5.5V	61H6433	---

Microwire, 1K x 8bit / 512 x 16bit						
● 93C76C-I/SN	SOIC-8	8Kbit	3MHz	4.5V-5.5V	61H6698	---

Microwire, 256K x 8bit						
● 93LC56A-I/P	DIP-8	2Kbit	3MHz	2.5V-5.5V	96K4106	---
● 93C56A-I/SN	SOIC-8	2Kbit	3MHz	4.5V-5.5V	61H6540	0.23
● 93AA56AT-I/OT	SOT-23-6	2Kbit	3MHz	1.8V-5.5V	30H4490	0.22
● 93LC56AT-I/OT	SOT-23-6	2Kbit	3MHz	2.5V-5.5V	61H6804	---

Microwire, 256K x 8bit / 128K x 16bit						
● 93LC56C-I/MS	MSOP-8	2Kbit	3MHz	2.5V-5.5V	30H4771	---
● 93AA56/SN	SOIC-8	2Kbit	2MHz	1.8V-5.5V	92C7564	---
● 93LC56-I/SN	SOIC-8	2Kbit	2MHz	2.5V-5.5V	96K4104	---
● 93LC56T/SN	SOIC-8	2Kbit	2MHz	2.5V-5.5V	92C7699	---
● 93AA56C-I/SN	SOIC-8	2Kbit	3MHz	1.8V-5.5V	30H4524	---
● 93LC56C-I/SN	SOIC-8	2Kbit	3MHz	2.5V-5.5V	30H4775	---

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