



FEBRUARY 1998

SMART CARD IC PRODUCT GUIDE

Contact Card ICs - Standard Products

	Part Number	Organization	Voltage	Description	Availability	
Serial E ² PROMS	AT24C01A	128 x 8	1.8 - 6V	2-Wire, 1K Serial E ² PROM	NOW	
	AT24C02	256 x 8	1.8 - 6V	2-Wire, 2K Serial E ² PROM	NOW	
	AT24C04	512 x 8	1.8 - 6V	2-Wire, 4K Serial E ² PROM	NOW	
	AT24C08	1024 x 8	1.8 - 6V	2-Wire, 8K Serial E ² PROM	NOW	
	AT24C16	2048 x 8	1.8 - 6V	2-Wire, 16K Serial E ² PROM	NOW	
	AT24C32	4096 x 8	1.8 - 6V	2-Wire, 32K Serial E ² PROM	NOW	
	AT24C64	8192 x 8	1.8 - 6V	2-Wire, 64K Serial E ² PROM	NOW	
	AT24C128	16384 x 8	1.8 - 6V	2-Wire, 128K Serial E ² PROM	NOW	
	AT24C256	32768 x 8	1.8 - 6V	2-Wire, 256K Serial E ² PROM	NOW	
	AT25010	128 x 8	1.8 - 6V	SPI, 1K Serial E ² PROM	NOW	
	AT25020	256 x 8	1.8 - 6V	SPI, 2K Serial E ² PROM	NOW	
	AT25040	512 x 8	1.8 - 6V	SPI, 4K Serial E ² PROM	NOW	
	AT25080	1024 x 8	1.8 - 6V	SPI, 8K Serial E ² PROM	NOW	
	AT25160	2048 x 8	1.8 - 6V	SPI, 16K Serial E ² PROM	NOW	
	AT25320	4096 x 8	1.8 - 6V	SPI, 32K Serial E ² PROM	NOW	
	AT25640	8192 x 8	1.8 - 6V	SPI, 64K Serial E ² PROM	NOW	
	AT25128	16384 x 8	1.8 - 6V	SPI, 128K Serial E ² PROM	NOW	
	AT25256	32768 x 8	1.8 - 6V	SPI, 256K Serial E ² PROM	NOW	
	AT251024	131072 x 8	1.8 - 6V	SPI, 1M Serial E ² PROM	Q198	
	Serial Data Flash	AT45D021	1024 x 264 x 8	4.5 - 5.5V	SPI, 2M bit, Serial Flash	Q298
		AT45D041	2048 x 264 x 8	4.5 - 5.5V	SPI, 4M bit, Serial Flash	Q298
Secure Memory ICs	AT88SC101	1024 x 1	3.0 - 6.0V	1K E ² PROM with Security One 1024 - Bit Zone	NOW	
	AT88SC102	2 (512 x 1)	3.0 - 6.0V	1K E ² PROM with Security Two 512 - Bit Zone	NOW	
	AT88SC103	3 (512 x 1)	3.0 - 6.0V	1.5K E ² PROM with Security Three 512 - Bit Zone	NOW	
	AT88SC153	3 (512 x 1)	3.0 - 6.0V	1.5K E ² PROM with Authentication Three 512 - Bit Zone	Q298	
	AT88SC1601	1 (16K x 1)	3.0 - 6.0V	16K E ² PROM with Security One 16K - Bit Zone	NOW	
	AT88SC1604	4 (4K x 1)	3.0 - 6.0V	16K E ² PROM with Security Four 4K - Bit Zone	NOW	
	AT88SC1608	8 (2K x 1)	3.0 - 6.0V	16K E ² PROM with Authentication Eight 2K - Bit Zone	NOW	

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	Part Number	Flash	E ² PROM	RAM Bytes	T = 0 Hardware	Power Supply	Availability	
Secure Microcontrollers	AT89SC168	16K Bytes	8K Bytes	256 Bytes	Yes	5.0V	NOW	
	AT89SC168A	16K Bytes	8K Bytes	512 Bytes	No	2.7 - 5.5V	1Q98	
	AT89SC1616A	16K Bytes	16K Bytes	512 Bytes	No	2.7 - 5.5V	2Q98	
	AT89SC248A	24K Bytes	8K Bytes	512 Bytes	No	2.7 - 5.5V	2Q98	
	Part Number	Program Memory	User Memory Flash/E ² PROM	RAM Bytes	Power Supply	Crypto Engine	RF Interface	Availability
Secure Cryptocontrollers	AT90SC1616C	16K Flash	16K Bytes	1K Bytes	2.7 - 5.5V	Yes	No	2Q98
	AT90SC3232CR	32K ROM	32K Bytes	1K Bytes	2.7 - 5.5V	Yes	No	2Q98

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Contactless (RFID) Card ICs

	Part Number	E ² PROM Memory	Features	Availability
RFID	AT88RF256	256 x 1	Read/Write RFID Transponder with passwords and locking	1Q98
	AT88RF8714	2K x 8	Contactless Card IC with AVR Microprocessor, 8K byte ROM, 256 byte SRAM	2Q98

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