

# ATMEL Analog ICs

RoHS Compliant This product is RoHS compliant.



## TEMPERATURE SENSORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Full Temp. Accuracy (°C)	Bus Interface	Digital Output (bits)	ICC Max. (µA)	Clock Freq. Max (kHz)	Operating Voltage (V)	Operating Temperature (°C)	Price Each			
										1	10	25	100
556-AT30TS75-MA8-T	AT30TS75-MA8-T	uDFN-8	2	2-Wire, SMB, I2C	9-12	750	3400	2.7-5.5	-40 to +125	.99	.90	.621	.604
556-AT30TS75-SS8-T	AT30TS75-SS8-T	SOIC-8	2	2-Wire, SMB, I2C	9-12	750	3400	2.7-5.5	-40 to +125	.84	.78	.724	.65
556-AT30TS75-XM8-T	AT30TS75-XM8-T	MSOP-8	2	2-Wire, SMB, I2C	9-12	750	3400	2.7-5.5	-40 to +125	.84	.78	.724	.65
556-AT30TS750-MA8-T	AT30TS750-MA8-T	uDFN-8	2	2-Wire, SMB, I2C	9-12	230	400	2.7-5.5	-40 to +125	1.12	1.04	.97	.86
556-AT30TS750-SS8-T	AT30TS750-SS8-T	SOIC-8	2	2-Wire, SMB, I2C	9-12	230	400	2.7-5.5	-40 to +125	.96	.90	.837	.744
556-AT30TS750-XM8-T	AT30TS750-XM8-T	MSOP-8	2	2-Wire, SMB, I2C	9-12	230	400	2.7-5.5	-40 to +125	.96	.90	.837	.744

## TEMPERATURE SENSORS WITH EEPROM

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Full Temp. Accuracy (°C)	Bus Interface	Digital Output (bits)	EEPROM (kbits)	ICC Max. (µA)	Clock Freq. Max (kHz)	Operating Voltage (V)	Operating Temperature (°C)	Price Each			
											1	10	25	100
556-AT30TSE752-MA8-T	AT30TSE752-MA8-T	uDFN-8	2	2-Wire, SMB, I2C	9-12	2	230	400	2.7-5.5	-40 to +125	1.24	1.16	1.06	.959
556-AT30TSE752-SS8-T	AT30TSE752-SS8-T	SOIC-8	2	2-Wire, SMB, I2C	9-12	2	230	400	2.7-5.5	-40 to +125	1.09	.99	.918	.841
556-AT30TSE752-XM8-T	AT30TSE752-XM8-T	MSOP-8	2	2-Wire, SMB, I2C	9-12	2	230	400	2.7-5.5	-40 to +125	1.09	.99	.918	.841
556-AT30TSE754-MA8-T	AT30TSE754-MA8-T	uDFN-8	2	2-Wire, SMB, I2C	9-12	4	230	400	2.7-5.5	-40 to +125	1.29	1.20	1.11	.99
556-AT30TSE754-SS8-T	AT30TSE754-SS8-T	SOIC-8	2	2-Wire, SMB, I2C	9-12	4	230	400	2.7-5.5	-40 to +125	.89	.85	.81	.779
556-AT30TSE754-XM8-T	AT30TSE754-XM8-T	MSOP-8	2	2-Wire, SMB, I2C	9-12	4	230	400	2.7-5.5	-40 to +125	.89	.85	.81	.779
556-AT30TSE758-MA8-T	AT30TSE758-MA8-T	uDFN-8	2	2-Wire, SMB, I2C	9-12	8	230	400	2.7-5.5	-40 to +125	1.33	1.20	1.11	1.01
556-AT30TSE758-SS8-T	AT30TSE758-SS8-T	SOIC-8	2	2-Wire, SMB, I2C	9-12	8	230	400	2.7-5.5	-40 to +125	1.19	1.10	1.02	.91
556-AT30TSE758-XM8-T	AT30TSE758-XM8-T	MSOP-8	2	2-Wire, SMB, I2C	9-12	8	230	400	2.7-5.5	-40 to +125	1.19	1.10	1.02	.91

## TEMPERATURE SENSOR DEVELOPMENT KITS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Description	Price Each
556-AT30TK175STK	AT30TK175STK	Digital Temperature Sensors Evaluation Kit - for evaluation of AT30TSE002B, AT30TS75, AT30TS750, AT30TSE758	93.75

## LED DRIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	No. of Strings	LEDs/String	Max Current/String (mA)	String Match (%)	Price Each			
							1	10	25	100
556-MSL1060AW	MSL1060AW	QFN-24	6	12	25	1.5	4.32	3.89	3.64	3.56
556-MSL1061AV	MSL1061AV	QFN-28	6	12	25	1.5	4.93	4.44	4.15	3.94
556-MSL2100BR	MSL2100BR	QFN-48	8	-	1000	1	6.07	5.49	5.13	4.82
556-MSL2160DQ	MSL2160DQ	QFN-64	16	-	1000	1.5	8.10	7.31	6.84	6.44
556-MSL3082CS	MSL3082CS	QFN-44	8	-	1000	1	6.07	5.49	5.13	4.82
556-MSL3085BT	MSL3085BT	QFN-40	8	-	1000	1.5	6.07	5.49	5.13	4.82

## LED DRIVER BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	No. of Strings	LEDs/String	Max Current/String (mA)	String Match (%)	Price Each
556-MSLB9061	MSLB9061	6	12	30	1.5	69.11
556-MSLB9061FA	MSLB9061FA	6	12	30	1.5	44.63
556-MSLB9061FD	MSLB9061FD	6	12	30	1.5	44.63
556-MSLB9082	MSLB9082	8	10	160	3	91.23
556-MSLB9082DGB	MSLB9082DGB	8	10	160	3	66.30
556-MSLB9082FGB	MSLB9082FGB	8	10	160	3	51.00

## CRYPTO AUTHORIZATION ICs

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Type	Hash Algorithm	Key Length (bits)	Unique Serial Number (bits)	Interface	Supply Voltage (V)	Supply Current Max. (mA)	Price Each			
										1	10	25	100
556-AT88SA100SSH-T	AT88SA100S-SH-T	-	Battery Auth.	SHA-256	256	48	1-Wire	2.7-5.25	6	.72	.655	.609	.558
556-AT88SA102S-SH-T	AT88SA102S-SH-T	-	Product Auth.	SHA-256	256	48	1-Wire	2.5-5.5	10	.68	.588	.522	.472
556-AT88SA10HSSH-T	AT88SA10HS-SH-T	-	Battery Auth.	SHA-256	256	48	1-Wire	2.7-5.25	6	.72	.63	.563	.51
556-ATSHA204MAHADAT	ATSHA204-MAH-DA-T	UDFN-8	Client/Host Auth.	SHA-256	256	-	I2C	2-5.5	3	.68	.65	.614	.562
556-ATSHA204-SH-DA-B	ATSHA204-SH-DA-B	SOIC-8	Client/Host Auth.	SHA-256	256	-	Single-wire	2-5.5	3	.57	-	.52	.427
556-ATSHA204-TH-DA-T	ATSHA204-TH-DA-T	TSSOP-8	Client/Host Auth.	SHA-256	256	-	I2C	2-5.5	3	.57	-	.52	.427
556-ATSHA204-TSU-T	ATSHA204-TSU-T	SOT-23	Secure Auth.	SHA-256, HMAC	256	72	1-Wire, I2C	2-5.5	3	3.58	1.70	1.45	1.23
556-ATSHA204-SH-CZ-T	ATSHA204-SH-CZ-T	SOIC-8	Secure Auth.	SHA-256, HMAC	256	72	1-Wire, I2C	2-5.5	3	.75	.70	.655	.583
556-ATSHA204-SH-DA-T	ATSHA204-SH-DA-T	SOIC-8	Secure Auth.	SHA-256, HMAC	256	72	1-Wire, I2C	2-5.5	3	.75	.70	.655	.583

## TRUSTED PLATFORM MODULE

Features:

- True Random Number Generator: FIPS 140-2 Compliant
- Hardware asymmetric crypto engine
- Non-Volatile Storage: 1280bytes

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Package	Core	Type	Hash Algorithm	Key Length (bits)	Interface	Supply Voltage (V)	Price Each			
									1	10	25	100
556-A97SC3204TX1A180	AT97SC3204T-X1A180	TSSOP-28	AVR8	Embedded Sys.	TCG 1.5	2048 RSA	33MHz LPC	3.3	4.86	4.19	3.73	3.39
556-AT97SC3204X1A190	AT97SC3204-X1A190	TSSOP-28	AT97x	Embedded Sys.	TCG 1.5	2048 RSA	33MHz LPC	3.3	4.86	4.52	4.19	3.73

## CRYPTO AUTHORIZATION DEVELOPMENT BOARDS

Features:

- Microprocessor: AVR AT90USB1287
- In-system Self-programmable Flash: 128Kb
- EEPROM: 4Kb
- Internal SRAM: 8Kb
- CryptoCompanion IC: AT88SC018
- USB Software Interface for Device Firmware
- Interface: JTAG, USB, UART, SPI, TWI
- I/O Pins: 10
- System Clock: 16MHz Crystal

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Description	Price Each
556-AT88CK101STK3	AT88CK101STK3	AVR-based AT88CK109BSTK3 CryptoAuthentication Starter Kit	86.25
556-AT88CK9000-8SH	AT88CK9000-8SH	Secure Personalization Kit and Programmer for ATSHA204-SH-DA-B	518.70
556-AT88CK9000-TSU	AT88CK9000-TSU	Secure Personalization Kit and Programmer for ATSHA204-TSU-T	388.70



Analog ICs  
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