

# Analog ICs

RoHS Compliant This page of product is RoHS compliant.

## AKUSTIKA MEMS MICROPHONES

Bosch Group  
 Akustika Microphones consist of HD voice quality, top/bottom port, digital output silicon MEMS IC microphones. They are microphones consisting of a MEMS acoustic sensor, and an integrated circuit (IC) with a pre-amplifier, analog-to-digital converter, charge pump, and supporting circuitry in a small 4.0 x 3.0 x 1.0mm package.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Akustika Part No.	Package	Output Type	Supply Voltage (V)	SNR (dB)	Sensitivity (dB)	Tolerance (dB)	Port	Frequency Range	Operating Temperature (°C)	Price Each			
											1	10	100	500
<a href="#">487-AKU142</a>	AKU142	LGA-4	Analog	3.6	63	-38	±2	Top	60Hz to 11.5kHz	-40 to +85	1.78	1.38	1.11	1.00
<a href="#">487-AKU241</a>	AKU241	LGA-8	Digital	3.6	63	-26	±1	Top	50Hz to 11kHz	-40 to +85	2.35	1.82	1.40	1.28
<a href="#">487-AKU242</a>	AKU242	LGA-8	Digital	3.6	63	-26	±1.5	Top	50Hz to 11kHz	-40 to +85	2.20	1.71	1.28	1.10
<a href="#">487-AKU340</a>	AKU340	LGA-4	Analog	3.6	62	-38	±2	Bottom	60Hz to 12.5kHz	-40 to +85	1.46	1.23	.95	.81
<a href="#">487-AKU441</a>	AKU441	LGA-5	Digital	3.6	63	-26	±1	Bottom	50Hz to 10kHz	-40 to +85	2.24	1.72	1.37	1.24
<a href="#">487-AKU442</a>	AKU442	LGA-5	Digital	3.6	63	-26	±1.5	Bottom	50Hz to 10kHz	-40 to +85	1.99	1.54	1.18	1.08

## Atmel 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
<a href="#">556-MSL1060AW</a>	MSL1060AW	QFN-24	6	12	25	1.5	6.31	5.68	5.18	4.67
<a href="#">556-MSL1061AV</a>	MSL1061AV	QFN-28	6	12	25	1.5	7.21	6.48	5.91	5.33

## Atmel LED DRIVER BOARD

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
<a href="#">556-MSLB9061FD</a>	MSLB9061FD	6	12	30	1.5	36.26

## Atmel BOARD MOUNT TEMPERATURE SENSOR

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. (uA)	Clock Freq. Max. (kHz)	Operating Voltage (V)	Operating Temp. (°C)	Price Each			
											1	10	25	100
<a href="#">556-30TSE004AMA5MT</a>	AT30TSE004A-MAA5M-T	WDFN-8	3	2-Wire, SMB, I2C	8	4	1000	100	3.6	-20 to 125	1.13	1.00	.91	.796

## Atmel CRYPTO AUTHORIZATION DEVELOPMENT BOARDS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Atmel Part No.	Description	Price Each
<a href="#">556-AT88CK9000-8SH</a>	AT88CK9000-8SH	Secure Personalization Kit and Programmer for ATSHA204-SH-DA-B	498.75
<a href="#">556-AT88CK9000-TSU</a>	AT88CK9000-TSU	Secure Personalization Kit and Programmer for ATSHA204-TSU-T	373.75

## CIRRUS LOGIC AUDIO COMPONENTS

### A/D Converters (ADCs)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Resolution (Bits)	Dynamic Range (dB)	THD + N (dB)	Sample Rate (kHz)	Analog Inputs	Power Supply (V)	Price Each		
									1	10	100
<a href="#">777-CS5340-CZZ</a>	CS5340-CZZ	TSSOP-16	24	101	-94	192	Single-ended	3.3 or 5	7.50	6.75	5.55
<a href="#">777-CS5341-CZZ</a>	CS5341-CZZ	TSSOP-16	24	105	-98	192	Single-ended	3.3 or 5	9.22	8.30	6.82
<a href="#">777-CS5343-CZZ</a>	CS5343-CZZ	TSSOP-16	24	98	-92	96	Single-ended	3.3 or 5	4.19	3.37	3.07
<a href="#">777-CS5344-CZZ</a>	CS5344-CZZ	TSSOP-10	24	98	-92	96	Single-ended	3.3 or 5	4.19	3.37	3.07
<a href="#">777-CS5351-KZZ</a>	CS5351-KZZ	TSSOP-24	24	108	-98	192	Single-ended	5	11.45	10.30	8.47
<a href="#">777-CS5361-DZZ</a>	CS5361-DZZ	TSSOP-24	24	114	-105	192	Differential	5	14.63	13.30	11.22
<a href="#">777-CS5361-KSZ</a>	CS5361-KSZ	SOIC-24	24	114	-105	192	Differential	5	12.19	11.08	9.35
<a href="#">777-CS5361-KZZ</a>	CS5361-KZZ	TSSOP-24	24	114	-105	192	Differential	5	12.19	11.08	9.35
<a href="#">777-CS5364-CQZ</a>	CS5364-CQZ	LQFP-48	24	114	-105	192	Differential	5	12.67	11.52	9.72
<a href="#">777-CS5368-CQZ</a>	CS5368-CQZ	LQFP48	24	114	-105	192	Differential	5	22.09	20.44	17.35
<a href="#">777-CS5381-KSZ</a>	CS5381-KSZ	SOIC-24	24	120	-110	192	Differential	5	28.75	26.60	22.59
<a href="#">777-CS5381-KZZ</a>	CS5381-KZZ	TSSOP-24	24	120	-110	192	Differential	5	28.75	26.60	22.59
<a href="#">777-CS53L30-CNZ</a>	CS53L30-CNZ	QFN-32	24	91	-84	48	Differential	5.25	4.50	3.62	3.30

### D/A Converters (DACs)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Channels	Resolution (Bits)	Dynamic Range (dB)	THD + N (dB)	Sample Rate (kHz)	Analog Outputs	Power Supply (V)	Price Each		
										1	10	100
<a href="#">777-CS4334-KSZ</a>	CS4334-KSZ	SOIC-8	2	24	96	-88	96	Single-ended	5	2.96	2.38	2.17
<a href="#">777-CS4335-KSZ</a>	CS4335-KSZ	SOIC-8	2	24	96	-88	96	Single-ended	5	2.96	2.38	2.17
<a href="#">777-CS4338-KSZ</a>	CS4338-KSZ	SOIC-8	2	24	96	-88	96	Single-ended	5	2.96	2.38	2.17
<a href="#">777-CS4344-CZZ</a>	CS4344-CZZ	TSSOP-10	2	24	96	-88	96	Single-ended	3.3 or 5	3.02	2.43	2.21
<a href="#">777-CS4344-DZZ</a>	CS4344-DZZ	TSSOP-10	2	24	105	-90	192	Single-ended	3.3 or 5.5	3.63	2.92	2.66
<a href="#">777-CS4345-CZZ</a>	CS4345-CZZ	TSSOP-10	2	24	96	-88	96	Single-ended	3.3 or 5	3.02	2.43	2.21
<a href="#">777-CS4348-CZZ</a>	CS4348-CZZ	TSSOP-10	2	24	105	-90	192	Single-ended	3.3 or 5	3.02	2.43	2.21
<a href="#">777-CS4350-CZZ</a>	CS4350-CZZ	TSSOP-24	2	24	109	-91	192	Single-ended or Differential	3.3 or 5	6.71	5.39	4.92
<a href="#">777-CS4354-CSZ</a>	CS4354-CSZ	SOIC-14	2	24	101	-86	192	Single-ended	5	4.03	3.24	2.95
<a href="#">777-CS4362A-CQZ</a>	CS4362A-CQZ	LQFP-48	6/8	24	114	-100	192	Differential	5	6.24	5.01	4.57
<a href="#">777-CS4382A-CQZ</a>	CS4382A-CQZ	LQFP-48	6/8	24	114	-100	192	Differential	5	7.20	6.48	5.32
<a href="#">777-CS4385-CQZ</a>	CS4385-CQZ	LQFP-48	6/8	24	114	-100	192	Differential	5	7.20	6.48	5.32
<a href="#">777-CS4392-KZZ</a>	CS4392-KZZ	TSSOP-20	2	24	114	-100	192	Differential	5	10.40	9.36	7.69
<a href="#">777-CS4398-CZZ</a>	CS4398-CZZ	TSSOP-28	2	24	120	-107	192	Differential	5	11.09	10.08	8.50

### Mixed-Signal Portable Audio Converters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Dynamic Range (dB)	THD + N (dB)	Sample Rate (kHz)	Analog I/O	Power Supply (V)	Price Each		
								1	10	100
<a href="#">777-CS42L51-CNZ</a>	CS42L51-CNZ	QFN-32	98 ADC/98 DAC	-88 ADC/-88 DAC	96	Single-ended	1.8 to 2.5	6.32	5.08	4.63
<a href="#">777-CS42L52-CNZ</a>	CS42L52-CNZ	QFN-40	98 ADC/98 DAC	-88	96	Single-ended	1.65 to 2.83	6.60	5.30	4.83
<a href="#">777-CS43L21-CNZ</a>	CS43L21-CNZ	QFN-32	98	-86	96	Single-ended	1.8 to 2.5	5.65	4.54	4.14
<a href="#">777-CS43L22-CNZ</a>	CS43L22-CNZ	QFN-40	98	-86	96	Single-ended	1.65 to 2.83	5.96	4.79	4.36
<a href="#">777-CS53L21-CNZ</a>	CS53L21-CNZ	QFN-32	98	-88	96	Single-ended	1.8 to 2.5	5.99	4.81	4.38