

# CIRRUS LOGIC Analog ICs

RoHS Compliant This product is RoHS compliant.



Analogue ICs

Cirrus Logic

## AUDIO COMPONENTS

Cirrus Logic enjoys a long-standing reputation as a leader in innovative audio ICs. Cirrus Logic's portfolio of products includes audio converters such as analog-to-digital converter ICs (ADCs), digital-to-analog converter ICs (DACs), CODECs, S/PDIF receivers, Class-D amplifier solutions as well as audio-optimized digital signal processors (DSPs).

### 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	25	100
<a href="#">777-CS5340-CZZ</a>	CS5340-CZZ	TSSOP-16	24	101	-94	192	Single-ended	3.3 or 5	7.50	6.15	5.55
<a href="#">777-CS5341-CZZ</a>	CS5341-CZZ	TSSOP-16	24	105	-98	192	Single-ended	3.3 or 5	9.23	7.56	6.82
<a href="#">777-CS5343-CZZ</a>	CS5343-CZZ	TSSOP-16	24	98	-92	96	Single-ended	3.3 or 5	4.15	3.37	3.07
<a href="#">777-CS5351-KZZ</a>	CS5351-KZZ	TSSOP-24	24	108	-98	192	Single-ended	5	12.37	10.99	8.70
<a href="#">777-CS5361-KSZ</a>	CS5361-KSZ	SOIC-24	24	114	-105	192	Differential	5	13.85	12.46	9.69
<a href="#">777-CS5361-KZZ</a>	CS5361-KZZ	TSSOP-24	24	114	-105	192	Differential	5	13.85	12.46	9.69
<a href="#">777-CS5364-CQZ</a>	CS5364-CQZ	LQFP-48	24	114	-105	192	Differential	5	12.67	10.65	9.79
<a href="#">777-CS5366-CQZ</a>	CS5366-CQZ	LQFP-48	24	114	-105	192	Differential	5	18.63	15.66	14.39
<a href="#">777-CS5368-CQZ</a>	CS5368-CQZ	LQFP-48	24	114	-105	192	Differential	5	22.10	18.78	17.40
<a href="#">777-CS5381-KSZ</a>	CS5381-KSZ	SOIC-24	24	120	-110	192	Differential	5	32.22	27.20	22.91
<a href="#">777-CS5381-KZZ</a>	CS5381-KZZ	TSSOP-24	24	120	-110	192	Differential	5	32.22	27.20	22.91

### 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	25	100
<a href="#">777-CS4334-KSZ</a>	CS4334-KSZ	SOIC-8	2	24	96	-88	96	Single-ended	5	2.99	2.38	2.17
<a href="#">777-CS4335-KSZ</a>	CS4335-KSZ	SOIC-8	2	24	96	-88	96	Single-ended	5	2.97	2.38	2.17
<a href="#">777-CS4338-KSZ</a>	CS4338-KSZ	SOIC-8	2	24	96	-88	96	Single-ended	5	2.97	2.38	2.17
<a href="#">777-CS4341A-KSZ</a>	CS4341A-KSZ	SOIC-16	2	24	101	-91	192	Single-ended	3.3 or 5	3.21	3.03	2.91
<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-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	7.20	6.00	5.04
<a href="#">777-CS4351-CZZ</a>	CS4351-CZZ	TSSOP-20	2	24	112	-100	192	Single-ended	9 or 12	4.62	3.71	3.38
<a href="#">777-CS4352-CZZ</a>	CS4352-CZZ	TSSOP-20	2	24	106	-93	192	Single-ended	9 or 12	3.22	2.58	2.35
<a href="#">777-CS4361-CZZ</a>	CS4361-CZZ	TSSOP-20	2	24	105	-95	192	Single-ended	5	5.26	4.23	3.85
<a href="#">777-CS4353-CNZ</a>	CS4353-CNZ	QFN-24	2	24	106	-93	192	Single-ended	3.3	3.78	3.03	2.76
<a href="#">777-CS4354-CSZ</a>	CS4354-CSZ	SOIC-14	2	24	101	-86	192	Single-ended	5	4.03	3.23	2.94
<a href="#">777-CS4362A-CQZ</a>	CS4362A-CQZ	LQFP-48	6/8	24	114	-100	192	Differential	5	13.75	12.37	9.62
<a href="#">777-CS4365-CQZ</a>	CS4365-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	5.04
<a href="#">777-CS4385-CQZ</a>	CS4385-CQZ	LQFP-48	6/8	24	114	-100	192	Differential	5	7.20	5.90	5.32
<a href="#">777-CS4392-KZZ</a>	CS4392-KZZ	TSSOP-20	2	24	114	-100	192	Differential	5	11.23	9.98	7.90
<a href="#">777-CS4398-CZZ</a>	CS4398-CZZ	TSSOP-28	2	24	120	-107	192	Differential	5	12.60	11.34	8.82

### 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	25	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	6.78	5.65	4.74
<a href="#">777-CS42L52-CNZ</a>	CS42L52-CNZ	QFN-40	98 ADC/98 DAC	-88	96	Single-ended	1.65 to 2.83	7.08	5.90	4.95
<a href="#">777-CS43L21-CNZ</a>	CS43L21-CNZ	QFN-32	98	-86	96	Single-ended	1.8 to 2.5	6.06	5.05	4.24
<a href="#">777-CS43L22-CNZ</a>	CS43L22-CNZ	QFN-40	98	-86	96	Single-ended	1.65 to 2.83	6.39	5.32	4.47
<a href="#">777-CS53L21-CNZ</a>	CS53L21-CNZ	QFN-32	98	-88	96	Single-ended	1.8 to 2.5	6.42	5.35	4.49

### Sample-Rate Converters

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Description	Sample Rate (kHz)	Price Each		
					1	25	100
<a href="#">777-CS8420-CSZ</a>	CS8420-CSZ	SOIC-28	24-Bit Sample Rate Converter and Transceiver with AES3 type and serial digital inputs/outputs	96	31.86	26.90	22.65
<a href="#">777-CS8421-CZZ</a>	CS8421-CZZ	TSSOP-20	32-Bit Asynchronous Stereo Sample-Rate Converter with digital inputs/outputs	192	12.26	10.89	8.62
<a href="#">777-CS8421-CNZ</a>	CS8421-CNZ	QFN-20	32-Bit Asynchronous Stereo Sample-Rate Converter with digital inputs/outputs	192	12.26	10.89	8.62

### Audio CODECs

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	25	100
<b>AC '97 CODECs</b>										
<a href="#">777-CS4202-JQZ</a>	CS4202-JQZ	LQFP-48	90DAC/90ADC	-87DAC/-84ADC	-	-	3.3 or 5	9.02	8.01	6.34
<a href="#">777-CS4299-JQZ</a>	CS4299-JQZ	LQFP-48	87DAC/85ADC	-74DAC/-74ADC	-	-	3.3 or 5	7.61	6.76	5.35
<b>Multi-Channel CODECs</b>										
<a href="#">777-CS42416-CQZ</a>	CS42416-CQZ	LQFP-64	110/114DAC/114ADC	-100DAC/-100ADC	192	Differential DACs/Single-ended or Differential ADCs	5	7.80	6.39	5.77
<a href="#">777-CS42432-CMZ</a>	CS42432-CMZ	MQFP-52	108DAC/105ADC	-98DAC/-98ADC	192	Single-ended or Differential	3.3 or 5	10.72	7.29	6.72
<a href="#">777-CS42436-CMZ</a>	CS42436-CMZ	MQFP-52	105/108DAC/102/105ADC	-95/-95DAC/-95/-98ADC	192	Single-ended or Differential	3.3 or 5	11.00	9.25	8.50
<a href="#">777-CS42438-CMZ</a>	CS42438-CMZ	MQFP-52	105/108DAC/102/105ADC	-95/-95DAC/-95/-98ADC	192	Single-ended or Differential	3.3 or 5	11.99	10.06	9.24
<a href="#">777-CS42448-CQZ</a>	CS42448-CQZ	LQFP-64	108DAC/105ADC	-98DAC/-98ADC	192	Single-ended or Differential	3.3 or 5	11.48	9.65	8.87
<a href="#">777-CS42518-CQZ</a>	CS42518-CQZ	LQFP-64	110/114DAC/114ADC	-100DAC/-100ADC	192	Differential	5	10.53	8.63	7.78
<a href="#">777-CS42526-CQZ</a>	CS42526-CQZ	LQFP-64	110/114DAC/114ADC	-100DAC/-100ADC	192	Differential DACs/Single-ended or Differential ADCs	5	10.70	8.77	7.91
<a href="#">777-CS42528-CQZ</a>	CS42528-CQZ	LQFP-64	110/114DAC/114ADC	-100DAC/-100ADC	192	Differential	5	11.48	9.65	8.87
<b>Stereo CODECs</b>										
<a href="#">777-CS4245-CQZ</a>	CS4245-CQZ	LQFP-48	104ADC/104DAC	-95ADC/-90DAC	192	Single-ended	3.3 or 5	6.75	5.53	4.99
<a href="#">777-CS4265-CNZ</a>	CS4265-CNZ	QFN-32	104ADC/104DAC	-95ADC/-90DAC	192	Single-ended	3.3 or 5	6.50	5.33	4.81
<a href="#">777-CS4270-CZZ</a>	CS4270-CZZ	TSSOP-24	105ADC/105DAC	-95ADC/-95DAC	192	Single-ended	3.3 or 5	5.54	4.45	4.05
<a href="#">777-CS4271-CZZ</a>	CS4271-CZZ	TSSOP-28	108ADC/114DAC	-98ADC/100DAC	96	Single-ended ADC/Differential DAC	5	8.68	7.11	6.41
<a href="#">777-CS4272-CZZ</a>	CS4272-CZZ	TSSOP-28	114ADC/114DAC	-100ADC/100DAC	192	Differential ADC/Differential DAC	5	9.10	7.46	6.73
<b>Smart Audio CODEC</b>										
<a href="#">777-CS42L73-CWZR</a>	CS42L73-CWZR	WLCSP-64	91/94/97DAC	-85ADC/-86DAC	50	Inputs: Mic. Line Outputs: headphones, line, ear-piece amp, speaker amp	3.2 or 5	7.38	6.63	6.04