

CIRRUS LOGIC Analog ICs

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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-analog 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).

24-Bit Audio A/D Converters (ADCs)

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Dynamic Range (dB)	THD + N (dB)	Sample Rate (kHz)	Analog Inputs	Power Supply	Price Each		
								1	25	100
777-CS5340-CZZ	CS5340-CZZ	TSSOP-16	101	-94	192	Single-ended	3.3V or 5V	4.96	4.68	4.49
777-CS5341-CZZ	CS5341-CZZ	TSSOP-16	105	-98	192	Single-ended	3.3V or 5V	8.33	7.55	6.81
777-CS5343-CZZ	CS5343-CZZ	TSSOP-16	98	-92	96	Single-ended	3.3V or 5V	4.15	3.69	3.43
777-CS5344-CZZ	CS5344-CZZ	TSSOP-16	98	-92	96	Single-ended	3.3V or 5V	5.55	4.62	3.43
777-CS5351-KSZ	CS5351-KSZ	SOIC-24	108	-98	192	Single-ended	5V	9.84	8.89	8.02
777-CS5351-KZZ	CS5351-KZZ	TSSOP-24	108	-98	192	Single-ended	5V	9.81	8.89	8.02
777-CS5361-KSZ	CS5361-KSZ	SOIC-24	114	-105	192	Differential	5V	8.15	7.69	7.39
777-CS5361-KZZ	CS5361-KZZ	TSSOP-24	114	-105	192	Differential	5V	8.15	7.69	7.39
777-CS5364-CQZ	CS5364-CQZ	LQFP-48	114	-105	192	Differential	5V	22.65	20.38	15.85
777-CS5366-CQZ	CS5366-CQZ	LQFP48	114	-105	192	Differential	5V	24.35	20.55	17.31
777-CS5368-CQZ	CS5368-CQZ	LQFP48	114	-105	192	Differential	5V	25.19	24.28	19.73
777-CS5381-KSZ	CS5381-KSZ	SOIC-24	120	-110	192	Differential	5V	27.78	26.78	21.77
777-CS5381-KZZ	CS5381-KZZ	TSSOP-24	120	-110	192	Differential	5V	32.22	26.78	21.77

Audio D/A Converters (DACs)

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Dynamic Range (dB)	THD + N (dB)	Sample Rate (kHz)	Analog Inputs	Power Supply	Price Each		
								1	25	100
777-CS4334-KSZ	CS4334-KSZ	SOIC-8	96	-88	96	Single-ended	5V	1.82	1.72	1.65
777-CS4341A-KSZ	CS4341A-KSZ	SOIC-	101	-91	192	-	3.3V or 5V	3.21	3.03	2.91
777-CS4344-CZZ	CS4344-CZZ	TSSOP-10	96	-88	96	Single-ended	3.3V or 5V	2.60	2.31	2.15
777-CS4345-CZZ	CS4345-CZZ	TSSOP-10	96	-88	96	Single-ended	3.3V or 5V	3.48	2.90	2.43
777-CS4348-CZZ	CS4348-CZZ	TSSOP-10	105	-90	192	Single-ended	3.3V or 5V	3.48	2.90	2.43
777-CS4350-CZZ	CS4350-CZZ	TSSOP-24	109	-91	192	Single-ended or Differential	3.3V or 5V	5.38	4.78	4.44
777-CS4351-CZZ	CS4351-CZZ	TSSOP-20	112	-100	192	Single-ended	9V or 12V	6.63	5.52	4.09
777-CS4352-CZZ	CS4352-CZZ	TSSOP-20	106	-93	192	Single-ended	9V or 12V	4.02	3.35	2.48
777-CS4361-CZZ	CS4361-CZZ	TSSOP-20	105	-95	192	Single-ended	5V	7.21	6.40	4.68
777-CS4362A-CQZ	CS4362A-CQZ	LQFP-48	114	-100	192	Differential	5V	13.75	12.37	9.62
777-CS4365-CQZ	CS4365-CQZ	LQFP-48	114	-100	192	Differential	5V	14.10	12.69	9.87
777-CS4382A-CQZ	CS4382A-CQZ	LQFP-48	114	-100	192	Differential	5V	11.04	10.43	10.01
777-CS4385-CQZ	CS4385-CQZ	LQFP-48	114	-100	192	Differential	5V	15.74	14.95	13.06
777-CS4392-KZZ	CS4392-KZZ	TSSOP-20	114	-100	192	Differential	5V	6.12	5.78	5.55
777-CS4398-CZZ	CS4398-CZZ	TSSOP-28	120	-107	192	Differential	5V	10.03	9.53	8.32

Portable Audio Converters

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Dynamic Range (dB)	THD + N (dB)	Sample Rate (kHz)	Analog Inputs	Power Supply	Price Each		
								1	25	100
777-CS42L51-CNZ	CS42L51-CNZ	QFN-32	98 ADC/98 DAC	98 ADC/98 DAC	96	Single-ended	1.8V to 2.5V	6.68	5.68	4.74
777-CS42L52-CNZ	CS42L52-CNZ	QFN-40	98 ADC/98 DAC	98 ADC/98 DAC	96	Single-ended	1.65V to 2.83V	6.98	5.90	4.95
777-CS43L21-CNZ	CS43L21-CNZ	QFN-32	98	-86	96	Single-ended	1.8V to 2.5V	4.55	2.81	2.56
777-CS43L22-CNZ	CS43L22-CNZ	QFN-40	98	-86	96	Single-ended	1.65V to 2.83V	3.13	2.96	2.84
777-CS53L21-CNZ	CS53L21-CNZ	QFN-32	98	-88	96	Single-ended	1.8V to 2.5V	6.42	5.35	3.96

Audio CODECs

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Dynamic Range (dB)	THD + N (dB)	Sample Rate (kHz)	Analog Inputs	Power Supply	Price Each		
								1	25	100
Mult-Channel CODECs										
777-CS42324-CQZ	CS42324-CQZ	LQFP-48	100DAC/95ADC	-90DAC/-88ADC	96	Single-ended	9 or 12	7.24	7.05	6.40
777-CS42325-CQZ	CS42325-CQZ	LQFP-48	100DAC/95ADC	-90DAC/-88ADC	96	Single-ended or Differential	9 or 12	7.53	7.33	7.14
777-CS42416-CQZ	CS42416-CQZ	LQFP-64	110/114DAC/114 ADC	-100DAC/-100ADC	192	Differential	5	8.37	7.15	6.81
777-CS42432-CMZ	CS42432-CMZ	MQFP-52	108DAC/105ADC	-98DAC/-98ADC	192	DACs/Single-ended or Differential ADCs	3.3 or 5	10.72	7.29	6.72
777-CS42436-CMZ	CS42436-CMZ	MQFP-52	105/108DAC/102/105ADC	-95/-95DAC/-95/-98ADC	192	Single-ended or Differential	3.3 or 5	12.40	11.72	10.23
777-CS42438-CMZ	CS42438-CMZ	MQFP-52	105/108DAC/102/105ADC	-95/-95DAC/-95/-98ADC	192	Single-ended or Differential	3.3 or 5	13.68	12.93	11.29
777-CS42448-CQZ	CS42448-CQZ	LQFP-64	108DAC/105ADC	-98DAC/-98ADC	192	Single-ended or Differential	3.3 or 5	14.71	13.97	12.20
777-CS42518-CQZ	CS42518-CQZ	LQFP-64	110/114DAC/114 ADC	-100DAC/-100ADC	192	Differential	5	11.34	10.23	9.36
777-CS42526-CQZ	CS42526-CQZ	LQFP-64	110/114DAC/114 ADC	-100DAC/-100ADC	192	Differential	5	15.23	13.56	11.90
777-CS42528-CQZ	CS42528-CQZ	LQFP-64	110/114DAC/114 ADC	-100DAC/-100ADC	192	DACs/Single-ended or Differential ADCs	5	19.15	18.90	13.86
777-CS42888-CQZ	CS42888-CQZ	LQFP-64	108DAC/105ADC	-98DAC/-98ADC	192	Differential	3.3 or 5	13.48	13.13	12.79
777-CS42425-CQZ	CS42425-CQZ	LQFP-48	104ADC/104DAC	-95 ADC/-90 DAC	192	Single-ended	3.3 or 5	7.22	6.54	5.90
777-CS4265-CNZ	CS4265-CNZ	QFN-32	104ADC/104DAC	-95 ADC/-90 DAC	192	Single-ended	3.3 or 5	7.02	6.37	5.74
777-CS4270-CZZ	CS4270-CZZ	TSSOP-24	105ADC/105DAC	-95 ADC/-95 DAC	192	Single-ended	3.3 or 5	4.98	4.42	4.11
777-CS4271-CZZ	CS4271-CZZ	TSSOP-28	108ADC/114DAC	-98ADC/-100DAC	96	Single-ended	5	10.23	9.98	6.46
777-CS4272-CZZ	CS4272-CZZ	TSSOP-28	114ADC/114DAC	-100ADC/-100DAC	192	ADC/Differential DAC	5	10.11	9.61	8.39