

# CIRRUS LOGIC Analog ICs



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For quantities greater than listed, call for quote.

## DIGITAL PFC CONTROLLERS

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Input (VAC)	Max Switching KHz	Supply Current mA	Op Range (°C)	Price Each		
							1	25	100
<a href="#">777-CS1501-FSZ</a> <a href="#">777-CS1601-FSZ</a>	CS1501-FSZ CS1601-FSZ	SOIC-8 SOIC-8	90-265 90-265 (108-305)	70 70	1.5 1.5	-40 to +125 -40 to +125	1.23 1.23	1.16 1.16	1.12 1.12
<b>Development Tools</b>							<b>Description</b>		
<a href="#">777-CDB150X-01-Z</a>	CDB150X-01-Z	Evaluation Board with 90W for CS1501					292.50	-	-
<a href="#">777-CDB1601-120W-Z</a>	CDB1601-120W-Z	Evaluation Board with 120W for CS1601					292.50	-	-
<a href="#">777-CRD1601-120W-Z</a>	CRD1601-120W-Z	Refence Design Board with 120W for CS1601					348.75	-	-

## CRYSTAL LAN® EMBEDDED ETHERNET CONTROLLER

The CS8900A is a low-cost Ethernet LAN Controller optimized for the Industry Standard Architecture (ISA) bus and general purpose microcontroller busses. Its highly-integrated design eliminates the need for costly external components required by other Ethernet controllers. The CS8900A includes on-chip RAM, 10BASE-T transmit and receive filters, and a direct ISA-Bus interface with 24mA Drivers.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Media Supported	Digital Interface	Number Of Channels	Max Current Consumption	Power Supply (V)	Operating Temp. (°C)	Price Each		
									1	25	100
<a href="#">777-CS8900A-CQ3Z</a> <a href="#">777-CS8900A-IQ3Z</a>	CS8900A-CQ3Z CS8900A-IQ3Z	LQFP-100 LQFP-100	10Base-T 10Base-T	ISA and General Purpose Parallel ISA and General Purpose Parallel	1 1	55mA @ 5V 55mA @ 5V	3.0 or 5.0V 3.0 or 5.0V	0 to +70 -40 to +85	7.51 10.09	7.10 9.53	6.81 9.15

## ECHO CANCELLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Description	Supported Media	Power Supply (V)	Operating Temp. (°C)	Price Each		
							1	25	100
<a href="#">777-CS6422-CSZ</a>	CS6422-CSZ	SOIC-20	Enhanced Full-Duplex Speakerphone IC	Analog audio (mic and telephone)	5	0 to +70	10.26	9.69	9.31

## PWM CONTROLLERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	DACs	Resolution (Bits)	Input Standards	Input Formats	Power Supply (V)	Operating Temp. (°C)	Price Each		
									1	25	100
<a href="#">777-CS4954-CQZ</a>	CS4954	TQFP-48	6	10	ITU R.BT656 ITU R.BT601	8-bit YUV 8-bit YCbCr	3.3 or 5	-40 to 85	7.38	6.97	6.69

## AUDIO DIGITAL SIGNAL PROCESSORS (DSP)

Complementing Cirrus Logic's strength in analog and mixed-signal technologies, Cirrus Logic provides numerous 24-bit and 32-bit processor solutions ideally designed for audio and industrial markets. Cirrus Logic's processor solutions include audio-optimized digital signal processors (DSP's) for a wide range of consumer, professional and automotive entertainment applications. In addition, Cirrus Logic's CobraNet products provide complete solutions for delivering uncompressed, professional-grade digital audio over standard ethernet networks.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Processor Cores	Speed (MIPS)	RAM (Kwords)	ROM (Kwords)	Channels	Serial Communication	Operating Temp. (°C)	Price Each		
										1	25	100
<a href="#">777-CS48520-CQZ</a>	CS48520-CQZ	QFP-48	1 x 32-bit	150	24	-	4-in/4-out	I <sup>2</sup> C or SPI	0 to +70	10.81	10.21	9.80
<a href="#">777-CS48540-DQZ</a>	CS48540-DQZ	QFP-48	1 x 32-bit	150	24	-	8-in/8-out	I <sup>2</sup> C or SPI	-40 to +85	15.18	14.33	13.76
<a href="#">777-CS48540-CQZ</a>	CS48540-CQZ	QFP-48	1 x 32-bit	150	24	-	8-in/8-out	I <sup>2</sup> C or SPI	0 to +70	12.65	11.94	11.47

## COBRANET™ INTERFACE ICs AND PROCESSORS

CobraNet technology is the defacto standard for transporting high fidelity, uncompressed digital audio in real time over off-the-shelf switched Ethernet networks. Dynamically routes digital audio from various sources to one, some or all optinets in a network of devices.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Cirrus Logic Part No.	Package Type	Processor Cores	Speed (MIPS)	Supported Audio Resolutions	Channels	Serial Communication	Operating Temp. (°C)	Price Each		
									1	25	100
<a href="#">777-CS181002-CQZ</a>	CS181002-CQZ	LQFP-144	2 x 32-bit	120	16, 20 or 24-bit	48, 96	2-in/2-out	0 to +70	14.91	14.08	13.52
<a href="#">777-CS181012-CQZ</a>	CS181012-CQZ	LQFP-144	2 x 32-bit	120	16, 20 or 24-bit	48, 96	8-in/8-out	0 to +70	16.37	15.46	14.84
<a href="#">777-CS181022-CQZ</a>	CS181022-CQZ	LQFP-144	2 x 32-bit	120	16, 20 or 24-bit	48, 96	16-in/16-out	0 to +70	18.32	17.31	16.61
<a href="#">777-CS496112-CQZ</a>	CS496112-CQZ	LQFP-144	2 x 32-bit	120	16, 20 or 24-bit	48, 96	8-in/8-out	0 to +70	19.13	18.07	17.35
<a href="#">777-CS496122-CQZ</a>	CS496122-CQZ	LQFP-144	2 x 32-bit	120	16, 20 or 24-bit	48, 96	16-in/16-out	0 to +70	21.09	19.92	19.12

## DEVELOPMENT TOOLS - EVALUATION BOARDS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Description	Price Each
<a href="#">777-CDB2000-DCCLKCP</a>	Evaluation Daughter Board - General Purpose PLL	28.13
<a href="#">777-CDB2000-MB</a>	Evaluation Mother Board - General Purpose PLL	112.50
<a href="#">777-CDB2000-PC-CLK</a>	Evaluation Daughter Board - Gen. Purpose PLL DC	28.13
<a href="#">777-CDB2000-PC-LCO</a>	Evaluation Daughter Board - Gen. Purpose PLL DC	28.13
<a href="#">777-CDB2300-DC-LCOCP</a>	Evaluation Daughter Board - Gen. Purpose PLL	28.13
<a href="#">777-CDB3310</a>	Evaluation Board Stereo Dig. Vol Cont.	472.50
<a href="#">777-CDB42428</a>	Evaluation Board CBoard 42418/28	472.50
<a href="#">777-CDB4265</a>	Eval. Board 192kHz Codec with PGA and Input Mux	540.00
<a href="#">777-CDB4270</a>	Evaluation Board 105dB 192kHz, Codec	405.00
<a href="#">777-CDB4271</a>	Evaluation Board, CS4271	405.00
<a href="#">777-CDB4352</a>	Evaluation Board 192kHz DAC with LD	405.00
<a href="#">777-CDB4354</a>	Evaluation Board for CS4354	405.00
<a href="#">777-CDB4385</a>	Evaluation Board 8 channel DAC w/DSD	472.50
<a href="#">777-CDB43L21</a>	Evaluation Board 98dB 96kHz Low-Pwr DAC	581.25
<a href="#">777-CDB44800</a>	Evaluation Board 8 channel 115dB 192kHz PWM	776.25
<a href="#">777-CDB5340</a>	Eval. Board 101dB 192kHz Mult-bit ADC	405.00
<a href="#">777-CDB5345</a>	Evaluation Board 105dB 24Bit 192kHz Aud ADC	405.00
<a href="#">777-CDB5351</a>	Evaluation Board 24 Bit 108dB 192kHz Mult-bit ADC	405.00

MOUSER STOCK NO.	Description	Price Each
<a href="#">777-CDB5361</a>	Evaluation Board 24 Bit 114dB 192kHz Mult-bit ADC	472.50
<a href="#">777-CDB5364</a>	Evaluation Board 114dB 4 -channel ADC with TDM	472.50
<a href="#">777-CDB5366</a>	Evaluation Board 114dB 6 channel ADC with TDM	472.50
<a href="#">777-CDB5460AU</a>	Evaluation Board Single-Phase Bi-Dir. Power/Energy	281.25
<a href="#">777-CDB5466U</a>	Evaluation Board F/Residential Pow-Meter Apps	281.25
<a href="#">777-CDB5467U</a>	Evaluation Board 4 channel/1 Sngl-Phs Power/Energy	281.25
<a href="#">777-CDB5480U-Z</a>	Evaluation Board for CDB5480 Energy Measurement IC	281.25
<a href="#">777-CDB5484U-Z</a>	Evaluation Board for CDB5484 Energy Measurement IC	281.25
<a href="#">777-CDB5490U-Z</a>	Evaluation Board for CDB5490 Energy Measurement IC	281.25
<a href="#">777-CDB5530U</a>	Evaluation Board 24 Bit 1 channel Low-Noise ADC	318.75
<a href="#">777-CDB5532U</a>	Evaluation Board 24 Bit ADC with Ultra Low-Noise USB	318.75
<a href="#">777-CDB5534U</a>	Evaluation Board 24 Bit ADC with Ultra Low-Noise USB	318.75
<a href="#">777-CDB5534U</a>	Evaluation Board 24 Bit ADC with Ultra Low-Noise USB	318.75
<a href="#">777-CDB5560</a>	Evaluation Board 50kSps 24 Bit Muxable ADC	101.71
<a href="#">777-CDB5581</a>	Evaluation Board 200kSps 16-Bit Muxable ADC	101.71
<a href="#">777-CDB8416</a>	Evaluation Board 192kHz Dig. Audio Receiver	573.75
<a href="#">777-CDB8427</a>	Evaluation Board 96kHz Dig. Audio Transceiver	472.50
<a href="#">777-CRD-4525-Q1</a>	Evaluation Board PWM Controller+ PwrStg. 2Lyr 1oz Cu	786.25