

TEXAS INSTRUMENTS Analog ICs



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INDUCTANCE-TO-DIGITAL CONVERTERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Res.	No. of Input Channels	Analog/Digital Supply (Max.) (V)	Response Time (Max.) (1/sensor)	Sensor Frequency (MHz)	Stand-by Current (Typ.) (uA)	Interface	Price Each			
										1	10	100	500
595-LDC0851HDSGR	LDC0851HDSGR	WSON-8	-	1	3.5/3.5	580	19	-	SPI	1.12	1.00	.787	.65
595-LDC0851HDSGT	LDC0851HDSGT	WSON-8	-	1	3.5/3.5	580	15	2.5	SPI	1.29	1.15	.904	.747
595-LDC1051NHRT	LDC1051NHRT	WSON-16	8	1	5.25/5.25	10	5	250	SPI	6.30	5.66	4.64	3.95
595-LDC1314RGHT	LDC1314RGHT	WQFN-16	12	4	3.6/3.6	10	10	-	I2C	6.40	5.78	4.79	4.17
595-LDC1101DRCT	LDC1101DRCT	VSON-10	24	1	3.5/3.5	6144	10	135	SPI	6.16	5.56	4.60	4.01
595-LDC1000NHRT	LDC1000NHRT	WSON-16	24	1	5.25/5.25	6144	5	250	SPI	8.62	7.79	6.44	5.61
595-LDC1614RGHT	LDC1614RGHT	WQFN-16	28	4	3.6/3.6	10	10	-	I2C	8.62	7.79	6.44	5.61
Development Tools													
595-LDC0851EVM	LDC0851EVM	Evaluation Module for LDC0851, Inductance to Digital Converter with SPI Interface								20.00	-	-	-
595-LDCCOILEVM	LDCCOILEVM	Evaluation Module for LDC1612, LDC1614, Inductance to Digital Converter with Reference Coil Board								20.00	-	-	-
595-LDC1000EVM	LDC1000EVM	Evaluation Module for LDC1000, Inductance to Digital Converter with Sample PCB Coil								29.00	-	-	-
595-LDC1051EVM	LDC1051EVM	Evaluation Module for LDC1051, Inductance to Digital Converter with SPI Interface								29.00	-	-	-
595-LDC1314EVM	LDC1314EVM	Evaluation Module for LDC1314, Inductance to Digital Converter with Sample PCB Coils								29.00	-	-	-
595-LDC1614EVM	LDC1614EVM	Evaluation Module for LDC1614, Inductance to Digital Converter with Sample PCB Coils								29.00	-	-	-

FREQUENCY-TO-VOLTAGE CONVERTERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Supply Voltage (V)	Supply Current (mA)	Input Voltage Range		Offset Voltage (Max.) (mV)		Linearity (Typ.) (%)	Operating Temperature (°C)	Price Each			
					Tach.	Op Amp/Comp.	Tach.	Op Amp/Comp.			1	10	100	500
926-LM2907M-8/NOPB	LM2907M-8/NOPB	SOIC-8	28	25	±28	0.0V to +28V	15	10	±0.3	-40 to 85	2.14	1.82	1.46	1.27
926-LM2907N/NOPB	LM2907N/NOPB	DIP-14	28	25	0.0V to +28V	0.0V to +28V	10	10	±0.3	-40 to 85	1.91	1.62	1.30	1.13
926-LM2907N-8/NOPB	LM2907N-8/NOPB	DIP-8	28	25	±28	0.0V to +28V	15	10	±0.3	-40 to 85	1.78	1.51	1.22	1.06
926-LM2917M/NOPB	LM2917M/NOPB	SOIC-14	28	25	0.0V to +28V	0.0V to +28V	10	10	±0.3	-40 to 85	1.96	1.66	1.34	1.16
926-LM2917N/NOPB	LM2917N/NOPB	DIP-14	28	25	0.0V to +28V	0.0V to +28V	10	10	±0.3	-40 to 85	1.78	1.51	1.22	1.06
926-LM2917N-8/NOPB	LM2917N-8/NOPB	DIP-8	28	25	±28	0.0V to +28V	15	10	±0.3	-40 to 85	1.78	1.51	1.22	1.06

VOLTAGE-TO-FREQUENCY CONVERTERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Supply Voltage (V)	VFC Non-Lin (Max.) (%)	Conversion Accuracy Scale Factor (kHz/V)			Temp. Stability of Gain (ppm/°C)		Offset Voltage (Max.) (nA)	Input Bias Current (Max.) (nA)	Output Current (Max.) (uA)	Operating Temp. (°C)	Price Each			
					Min.	Typ.	Max.	Typ.	Max.					1	10	100	500
926-LM231N/NOPB	LM231N/NOPB	DIP-8	4/40	0.01	0.95	1.00	1.05	±30	±150	14	1000	144	-25 to 85	5.45	4.63	4.01	3.39
926-LM331AN/NOPB	LM331AN/NOPB	DIP-8	4/40	0.01	0.9	1.00	1.10	±20	±50	10	500	156	0 to 70	6.89	6.23	5.16	4.47
926-LM331N/NOPB	LM331N/NOPB	DIP-8	4/40	0.01	0.9	1.00	1.10	±20	±50	14	1000	156	0 to 70	2.42	2.06	1.65	1.44

AUDIO ADC/DAC

MOUSER STOCK NO.	Texas Instruments Part No.	Package	No. of ADCs	Res.	SNR (Typ.)	No. of Inputs/Outputs	Sampling Rate (Max.) (kHz)	Analog Supply	Digital Audio Interface	Control Interface	Digital Supply (up to 5V)	Price Each				
												1	10	100	500	
ADC																
595-PCM1808PW	PCM1808PW	TSSOP-14	2	24	99	2/0	96	4.5-5.5	L, I2S	H/W	2.7-3.6	2.65	2.38	1.91	1.57	
595-PCM1862DBTR	PCM1862DBTR	TSSOP-30	2	24	103	8/Digital I/F	192	3-3.6	L, I2S, TDM	I2C, SPI	3-3.6	3.79	3.40	2.79	2.37	
595-PCM1861DBT	PCM1861DBT	TSSOP-30	2	24	110	8/0	192	3-3.6	L, I2S	H/W	3-3.6	4.60	4.13	3.38	-	
595-PCM1863DBT	PCM1863DBT	TSSOP-30	2	24	110	8/0	192	3-3.6	L, I2S, TDM	I2C, SPI	3-3.6	5.22	4.69	3.84	-	
595-PCM1865DBT	PCM1865DBT	TSSOP-30	2	24	110	8/0	192	3-3.6	L, I2S, TDM	I2C, SPI	3-3.6	9.40	8.49	7.03	-	
595-PCM1804DB	PCM1804DB	SSOP-28	2	24	112	2/0	192	4.75-5.25	L, R, I2S, DSP	H/W	3-3.6	6.06	5.48	4.53	3.95	
595-PCM1864DBTR	PCM1864DBTR	TSSOP-30	4	24	103	8/Digital I/F	192	3-3.6	L, I2S, TDM	I2C, SPI	3-3.6	6.40	5.78	4.79	4.17	
595-PCM4204PAPT	PCM4204PAPT	HTQFP-64	4	24	118	4/0	216	5	PCM/DSD	H/W	3.3	16.30	14.99	12.66	11.26	
DAC																
595-V320DAC3203IRGET	TLV320DAC3203IRGET	WQFN-24	-	-	100	2/2	192	1.5-1.95	I2C, SPI	-	1.9-3.6	3.93	3.53	2.89	2.46	

AUDIO DIGITAL-TO-ANALOG CONVERTER EVALUATION MODULES

MOUSER STOCK NO.	Texas Instruments Part No.	Description	Price Each
595-PCM1861EVM	PCM1861EVM	Evaluation module for PCM1861, 110 dB, 2ch, H/W Controlled Audio ADC With Universal Front End	149.00
595-PCM1863EVM	PCM1863EVM	Evaluation module for PCM1863, 110 dB, 2ch, H/W Controlled Audio ADC With Universal Front End	149.00
595-PCM5122EVM-U	PCM5122EVM-U	Evaluation module for PCM5122, use with a PC in conjunction with PurePath™ Studio	199.00
595-PCM5142EVM-U	PCM5142EVM-U	Evaluation module for PCM5142, use with a PC in conjunction with PurePath™ Studio	199.00
595-PCM1861EVM	PCM1861EVM	Evaluation module for PCM1861, 110 dB, 2ch, H/W Controlled Audio ADC With Universal Front End	149.00
595-PCM5242RHEVM	PCM5242RHEVM	Evaluation Board for PCM5242, use with a PC in conjunction with PurePath™ Studio	199.00

AUDIO DIGITAL-TO-ANALOG CONVERTERS (DACs)

MOUSER STOCK NO.	Texas Instruments Part No.	Package	No. of DACs	Res.	SNR (Typ.) (dB)	Sampling Rate (Max.) (kHz)	No. of Inputs/Outputs	Digital Audio Interface	Control Interface	Analog Supply	Price Each			
											1	10	100	500
595-PCM1774RGPT	PCM1774RGPT	QFN-20	2	16	93	50	0/2	LJ, RJ, I2S, DSP	I2C, SPI	2.4-3.6	3.57	3.21	2.63	2.24
595-PCM2704CDB	PCM2704CDB	SSOP-28	2	16	98	48	0/2	USB	I2C, SPI	3.3-5	7.37	6.65	5.51	4.79
595-PCM2705CDB	PCM2705CDB	SSOP-28	2	16	98	48	0/2	USB	HID	5	7.90	7.14	5.91	5.14
595-PCM2706CPJT	PCM2706CPJT	TQFP-32	2	16	98	48	0/2	USB, I2S	HID, SPI	3.3-5	8.63	7.79	6.45	5.62
595-TLV320DAC32IRHBT	TLV320DAC32IRHBT	QFN-32	2	24	95	96	2/4	DSP, I2S, L, R, TDM	I2C	2.7-3.6	3.69	3.32	2.72	2.31
595-PCM1755DBQ	PCM1755DBQ	SSOP-16	2	24	106	192	0/2	L, R, I2S	SPI	4.5-5.5	2.77	2.49	2.04	1.74
595-PCM5122PW	PCM5122PW	TSSOP-28	2	24	112	384	0/2	L, I2S	I2C, SPI, HW	3-3.6	6.29	5.68	4.71	4.10
595-PCM1791ADB	PCM1791ADB	SSOP-28	2	24	113	192	0/2	L, R, I2S, TDMCA, DSD	I2C, SPI	4.5-5.5	6.47	5.81	4.76	4.05
595-PCM1792ADB	PCM1792ADB	SSOP-28	2	24	127	192	0/2	L, R, I2C, TDMCA, DSD	SPI, I2C	4.75-5.25	14.43	13.26	11.20	9.96
595-PCM1793DB	PCM1793DB	SSOP-28	2	24	113	192	0/2	L, R, I2S	H/W	4.5-5.5	6.47	5.81	4.76	4.05
595-PCM1794ADB	PCM1794ADB	SSOP-28	2	24	127	192	0/2	L, R, I2S	H/W	4.75-5.25	17.42	16.01	13.52	12.03
595-PCM1796DB	PCM1796DB	SSOP-28	2	24	123	192	0/2	L, R, ITS, TDMCA, DSD	I2C, SPI	4.75-5.25	7.08	6.40	5.30	4.61
595-PCM5101AQPWRQ1	PCM5101AQPWRQ1	TSSOP-20	2	32	106	384	0/2	I2S, L	HV	3.3	3.62	3.25	2.66	2.27
595-PCM5102AQPWRQ1	PCM5102AQPWRQ1	TSSOP-20	2	32	112	384	0/2	I2S, L	HV	3.3	6.36	5.71	4.68	3.98
595-PCM5142PW	PCM5142PW	TSSOP-28	2	32	112	384	0/2	L, I2S	I2C, SPI, HW	3-3.6	7.67	6.92	5.73	4.99
595-PCM5242RHBT	PCM5242RHBT	WQFN-32	2	32	114	384	0/2	L, I2S	I2C, SPI	1.8-3.3	8.63	7.79	6.45	5.62
595-PCM4104PFBT	PCM4104PFBT	TQFP-48	4	24	118	192	0/2x2	I2S, TDM	H/W, SPI	5	10.79	9.75	8.07	7.03

DIGITAL AUDIO TRANSCEIVERS

MOUSER STOCK NO.	Texas Instruments Part No.	Package	Jitter (ps)	Sampling Rate (Max.) (kHz)	ADC Res.	ADC Sampling Rate (kSPS)	Inputs	Outputs	Price Each			
									1	10	100	500
595-DIX9211PTR	DIX9211PTR	LQFP-48	50	216	-	-	PCM, S/P/DIF	PCM, S/PDIF	9.10	8.22	6.80	5.92
595-PCM9211PT	PCM9211PT	LQFP-48	50	216	24	96	PCM, S/P/DIF, ADC	PCM, S/PDIF	6.43	5.78	4.73	4.03

AUDIO ATTENUATOR

MOUSER STOCK NO.	Texas Instruments Part No.	Package	THD (%)	SNR (dB)	Supply Voltage (V)		Interface Type	Equivalent Input Noise (uV/root) (Hz)	Special Features	Price Each			
					Min.	Max.				1	10	100	500
926-LM1971M/NOPB	LM1971M/NOPB	SOIC-8	0.0008	115	4.5	15	Serial	4	1 Channel, Digitally Controlled Audio Attenuator	2.34	1.99	1.60	1.39