

ANALOG DEVICES INC. Gyroscopes and DDS



Products may be RoHS compliant. Check mouser.com for RoHS status.

AHEAD OF WHAT'S POSSIBLE™

GYROSCOPES (CONT.)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADI Part No.	Package	Supply Voltage (V)		Supply Current (mA)	Bandwidth	Digital Output	Operating Temp. Range (°C)	Price Each					
			Min.	Max.					1	10	100	250		
Dual-Axis														
584-ADXR5290BCEZ	ADXR5290BCEZ	LGA-18	2.7	5	7.8	480Hz	SPI	-25 to 85	19.02	17.59	14.96	13.75		
Tri-Axis														
584-ADIS16445BMLZ	ADIS16445BMLZ	ML-20-3	3.15	3.45	74	330Hz	SPI	-40 to 85	498.95	-	-	-		
584-ADIS16448BMLZ	ADIS16448BMLZ	ML-20-2	3.15	3.45	76	330Hz	SPI	-40 to 105	606.78	-	-	-		
584-ADIS16480BMLZ	ADIS16480BMLZ	ML-24-6	3	3.6	254	330Hz	SPI	-40 to 105	2269.61	-	-	-		
584-ADIS16485BMLZ	ADIS16485BMLZ	ML-24-6	3	3.6	197	330Hz	SPI	-40 to 105	1574.03	-	-	-		
584-ADIS16488BMLZ	ADIS16488BMLZ	ML-24-6	3	3.6	245	330Hz	SPI	-40 to 105	1711.45	-	-	-		
584-ADIS16488CMLZ	ADIS16488CMLZ	ML-24-6	3	3.6	245	330Hz	SPI	-55 to 105	2137.47	-	-	-		

AUDIO PROCESSORS

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MOUSER STOCK NO.	ADI Part No.	Package	Core	Supply Voltage (Max.) (V)	Resolution (bit)	Supply Current (mA)	Frequency (MHz)	Power Dissipation (mW)	Operating Temp. Range (°C)	Price Each		
										1	10	100
584-ADAU1450WBCPZ	ADAU1450WBCPZ	LFCSP-72	SigmaDSP	3.3	10	1.73	300	960	-40 to 105	13.36	12.14	10.32
584-ADAU1451WBCPZ	ADAU1451WBCPZ	LFCSP-72	SigmaDSP	3.3	10	1.73	300	960	-40 to 105	18.35	16.98	14.44
584-ADAU1401AWBSTZ	ADAU1401AWBSTZ	LQFP-48	SigmaDSP	3.3	24	50	192	260	40 to 105	11.24	10.22	8.69
584-ADAU1701JSTZ	ADAU1701JSTZ	LQFP-48	SigmaDSP	3.3	24	85	0.5	287	0 to 70	10.17	9.15	7.52
584-ADAU1702JSTZ	ADAU1702JSTZ	LQFP-48	SigmaDSP	3.3	24	85	0.5	287	0 to 70	8.03	7.22	5.94
584-ADAU1446YSTZ-3A	ADAU1446YSTZ-3A	TQFP-100	SigmaDSP	3.6	24	315	172	675	40 to 105	16.39	14.90	12.66
584-ADAU1445YSVZ-3A	ADAU1445YSVZ-3A	TQFP-100	SigmaDSP	3.6	24	365	172	780	40 to 105	18.43	16.75	14.24
584-ADAU1442YSVZ-3A	ADAU1442YSVZ-3A	TQFP-100	SigmaDSP	3.6	24	460	172	460	40 to 105	19.72	17.92	15.23
584-ADAU1761BCPZ	ADAU1761BCPZ	LFCSP-32	SigmaDSP	3.65	24	20	27	7	-40 to 85	10.67	9.70	8.24

AUDIO SAMPLE RATE CONVERTERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADI Part No.	Package	Supply Voltage (Max.) (V)	Input/Output Sample Ratios	THD + Noise (dB)	Frequency (kHz)	Interface	Power Dissipation (mW)	Operating Temp. Range (°C)	Price Each			
										1	10	100	250
584-AD1895AYRSZ	AD1895AYRSZ	SSOP-28	5.5	8:1	-122	192	3-Wire	132	-40 to 105	9.15	8.24	6.77	6.22
584-AD1896AYRSZ	AD1896AYRSZ	SSOP-28	5.5	8:1	-133	192	3-Wire	132	-40 to 105	20.59	19.04	16.19	14.88

CAN TRANSCEIVERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADI Part No.	Package	Supply Voltage (Max.) (V)	No. of Drivers	No. of Receivers	Data Rate (Mbps)	Supply Current (mA)	CMOS Logic (Max.) (µA)	Price Each			
									1	10	100	250
584-ADM3051CRZ	ADM3051CRZ	SOIC-8	5.5	1	1	1	78	30	2.56	2.31	1.86	1.65
584-ADM3051CRZ-REEL7	ADM3051CRZ-REEL7	SOIC-8	5.5	1	1	1	78	30	2.56	2.31	1.86	1.65
584-ADM3052BRWZ	ADM3052BRWZ	SOIC-16	5	1	1	1	75	500	8.05	7.24	5.96	5.47
584-ADM3053BRWZ	ADM3053BRWZ	SOIC-20	5	1	1	1	232	500	11.14	10.13	8.61	7.82
584-ADM3053BRWZ-R7	ADM3053BRWZ-REEL7	SOIC-20	5	1	1	1	232	500	11.14	10.13	8.61	7.82
584-ADM3054BRWZ	ADM3054BRWZ	SOIC-16	5	1	1	1	75	500	5.41	4.83	3.96	3.58
584-ADM3054BRWZ-R7	ADM3054BRWZ-RL7	SOIC-16	5	1	1	1	75	500	5.41	4.83	3.96	3.58

DIGITAL AUDIO TRANSCEIVER

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MOUSER STOCK NO.	ADI Part No.	Package	No. of Channels	Supply Voltage (Max.) (V)	Supply Current (mA)	Data Rate (kb/s)	Interface Type	Operating Temp. Range (°C)	Price Each			
									1	10	100	250
584-ADF7024BCPZ	ADF7024BCPZ	LFCSP-32	1	3.6	32.1	300	SPI	-40 to 85	4.51	4.02	3.30	2.98

DIRECT DIGITAL SYNTHESIS (DDS)

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	ADI Part No.	Package	Supply Voltage (Max.) (V)	Type	Resolution (bit)	Frequency (MHz)	Data Rate (Mpsps)	Operating Temp. Range (°C)	Price Each			
									1	10	100	250
584-AD9911BCPZ	AD9911BCPZ	LFCSP-56	1.8	DDS/DAC Synthesizer	10	500	500	-40 to 85	31.80	29.42	25.02	22.98
584-AD9913BCPZ	AD9913BCPZ	LFCSP-32	1.8	CMOS DDS/DAC Synthesizer	10	100	250	-40 to 85	17.99	16.65	14.16	13.00
584-AD9959BCPZ	AD9959BCPZ	LFCSP-56	1.8	IC, 500 MHz 10-Bit Quad DDS	10	500	500	-40 to 85	58.82	55.37	49.33	46.04
584-AD9953YSVZ	AD9953YSVZ	TQFP-48	1.8	CMOS DDS Synthesizer	14	400	160	-40 to 105	30.25	27.98	23.80	21.86
584-AD9954YSVZ	AD9954YSVZ	TQFP-48	1.8	CMOS DDS Synthesizer	14	160	400	-40 to 105	33.76	31.23	26.56	24.40
584-AD9859YSVZ	AD9859YSVZ	TQFP-48	3.3	CMOS DDS Synthesizer	10	160	400	-40 to 105	22.22	20.56	17.48	16.06
584-AD9958BCPZ	AD9958BCPZ	LFCSP-56	3.3	DDS/DAC Synthesizer	10	500	500	-40 to 85	37.34	34.92	30.17	26.90
584-AD9854ASVZ	AD9854ASVZ	TQFP-80	3.3	CMOS DDS Synthesizer	12	300	300	-40 to 85	49.56	46.34	40.05	35.70
584-AD9914BCPZ	AD9914BCPZ	LFCSP-88	3.3	DDS/DAC Synthesizer	12	3500	3500	-40 to 85	181.09	171.91	163.25	-
584-AD9915BCPZ	AD9915BCPZ	LFCSP-88	3.3	DDS/DAC Synthesizer	12	2500	2500	-40 to 85	144.76	137.42	130.50	-
584-AD9912ABCPZ	AD9912ABCPZ	LFCSP-64	3.3	DDS/DAC Synthesizer	14	400	1000	-40 to 85	59.02	55.55	49.50	46.20
584-AD9951YSVZ	AD9951YSVZ	TQFP-48	3.3	CMOS DDS/DAC Synthesizer	14	160	400	-40 to 105	26.90	24.89	21.17	19.44
584-AD9952YSVZ	AD9952YSVZ	TQFP-48	3.3	CMOS DDS/DAC Synthesizer	14	160	400	-40 to 105	30.32	28.05	23.86	21.92
584-AD9956YCPZ	AD9956YCPZ	LFCSP-48	3.3	DDS AgileRF® Synthesizer	14	400	2700	-40 to 125	33.76	31.23	26.56	24.40
584-AD9957BSVZ	AD9957BSVZ	TQFP-100	3.3	DDS Quadrature Upconverter	14	400	250	-40 to 85	36.21	33.86	29.26	26.08
584-AD9857ASTZ	AD9857ASTZ	LQFP-80	3.3	DDS Quadrature Upconverter	14	200	200	-40 to 85	48.73	45.57	39.37	35.10
584-AD9852ASTZ	AD9852ASTZ	LQFP-80	3.5	CMOS Complete DDS	12	200	300	-40 to 85	37.54	35.10	30.33	27.04
584-AD9852ASVZ	AD9852ASVZ	TQFP-80	3.5	300 MHz Complete DDS	12	100	300	-40 to 85	47.71	44.62	38.55	34.37
584-AD9854ASTZ	AD9854ASTZ	LQFP-80	3.5	CMOS Quadrature Complete DDS	12	100	300	-40 to 85	34.41	32.18	27.80	24.79
584-AD9837ACPZ-R7	AD9837ACPZ-RL7	LFCSP-10	5	10-bit Prog. Waveform Generator	10	16	5	-40 to 85	4.15	3.71	3.04	2.74
584-AD9850BRZ	AD9850BRZ	SSOP-28	5	CMOS Complete DDS Synthesizer	10	125	-	-40 to 85	23.05	21.32	18.13	16.66
584-AD9830ASTZ	AD9830ASTZ	LQFP-48	5.25	10-bit Waveform Generator	10	50	50	-40 to 85	24.15	22.34	19.00	17.45
584-AD9835BRUZ	AD9835BRUZ	TSSOP-16	5.25	10-bit Waveform Generator	10	50	50	-40 to 85	11.80	10.72	9.11	8.28
584-AD9851BRZ	AD9851BRZ	SSOP-28	5.25	CMOS DDS/DAC Synthesizer	10	180	-	-40 to 85	25.27	23.37	19.88	18.26
584-AD9858BSVZ	AD9858BSVZ	TQFP-100	5.25	DDS/DAC Synthesizer	10	1000	1000	-40 to 85	79.83	75.00	64.48	63.25
584-AD5930YRUZ	AD5930YRUZ	TSSOP-20	5.5	Prog Scan/Burst Freq. Waveform Generator	10	25	50	-40 to 105	13.40	12.18	10.35	9.40
584-AD5932YRUZ	AD5932YRUZ	TSSOP-16	5.5	Prog Scan/Burst Freq. Waveform Generator	10	25	50	-40 to 105	9.90	8.90	7.32	6.73
584-AD9831ASTZ	AD9831ASTZ	TQFP-48	5.5	10-bit Waveform Generator	10	25	25	-40 to 85	12.81	11.64	9.89	8.99
584-AD9832BRUZ	AD9832BRUZ	TSSOP-16	5.5	10-bit Waveform Generator	10	25	25	-40 to 85	10.25	9.32	7.92	7.19
584-AD9833BRMZ	AD9833BRMZ	MSOP-10	5.5	10-bit Prog. Waveform Generator	10	12.5	25	-40 to 105	9.22	8.30	6.82	6.27
584-AD9834BRUZ	AD9834BRUZ	TSSOP-20	5.5	10-bit Complete DDS	10	75	75	-40 to 105	10.13	9.21	7.83	7.11
584-AD9834CRUZ	AD9834CRUZ	TSSOP-20	5.5	10-bit Complete DDS	10	75	75	-40 to 105	11.80	10.72	9.11	8.28
584-AD9838BCPZ-R7	AD9838BCPZ-RL7	LFCSP-20	5.5	11mW Power, Complete DDS	10	16	5	-40 to 85	5.74	5.13	4.20	3.79
584-AD5933YRSZ	AD5933YRSZ	SSOP-16	5.5	12-bit Impedance Converter Network	12	1	1	-40 to 125	32.55	30.12	25.61	23.53
584-AD5934YRSZ	AD5934YRSZ	SSOP-16	5.5	12-bit Impedance Converter Network	12	0.25	1	-40 to 125	18.97	17.24	14.65	13.31