

# MICROCHIP Analog ICs



RoHS Compliant This product is RoHS compliant.

## ANALOG-TO-DIGITAL CONVERTERS (ADCS)

◆ Surface Mount Device

MOUSER STOCK NO.	Microchip Part No.	Package	Res.	No. of Input Chan.	Architecture	Supply Current (Typ)( $\mu$ A)	INL (Max) ( $\pm$ LSB)	DNL (Max) ( $\pm$ LSB)	Sample Rate	Input Voltage Range (V)	Price Each			
											1	10	25	100
◆ 579-MCP3021A5T-E/OT	MCP3021A5T-E/OT	SOT-23A-5	10	1	SAR	250	1	1	22kSPS	2.7 to 5.5	1.16	1.07	.89	.81
◆ 579-MCP3201-C/P	MCP3201-C/P	PDIP-8	12	1	SAR	400	2	1	100kSPS	2.7 to 5.5	2.40	2.28	1.90	1.73
◆ 579-MCP3201-C/VS	MCP3201-C/VS	SOIC-8	12	1	SAR	400	2	1	100kSPS	2.7 to 5.5	2.40	2.28	1.90	1.73
◆ 579-MCP3221A5T-E/OT	MCP3221A5T-E/OT	SOT-23A-5	12	1	SAR	250	2	1	22kSPS	2.7 to 5.5	1.58	1.44	1.20	1.09
◆ 579-MCP3202-C/P	MCP3202-C/P	PDIP-8	12	2	SAR	550	1	1	100kSPS	2.7 to 5.5	2.66	2.53	2.11	1.92
◆ 579-MCP3202-C/VS	MCP3202-C/VS	SOIC-8	12	2	SAR	550	1	1	100kSPS	2.7 to 5.5	2.66	2.53	2.11	1.92
◆ 579-MCP3204-B/SL	MCP3204-B/SL	SOIC-14	12	4	SAR	400	1	1	100kSPS	2.7 to 5.5	4.16	3.94	3.29	2.99
◆ 579-MCP3204-C/P	MCP3204-C/P	PDIP-14	12	4	SAR	400	2	1	100kSPS	2.7 to 5.5	3.34	3.17	2.64	2.40
◆ 579-MCP3204-C/SL	MCP3204-C/SL	SOIC-14	12	4	SAR	400	2	1	100kSPS	2.7 to 5.5	3.34	3.17	2.64	2.40
◆ 579-MCP3208C/P	MCP3208-C/P	PDIP-16	12	8	SAR	400	1	1	100kSPS	2.7 to 5.5	3.66	3.48	2.90	2.64
◆ 579-MCP3208C/SL	MCP3208-C/SL	SOIC-16	12	8	SAR	400	1	1	100kSPS	2.7 to 5.5	3.66	3.48	2.90	2.64
◆ 579-MCP3301-C/P	MCP3301-C/P	PDIP-8	13	1	SAR	450	1	1	100kSPS	2.7 to 5.5	2.40	2.27	1.89	1.72
◆ 579-MCP3301-C/VS	MCP3301-C/VS	SOIC-8	13	1	SAR	450	1	1	100kSPS	2.7 to 5.5	2.40	2.27	1.89	1.72
◆ 579-MCP3304-C/P	MCP3304-C/P	PDIP-16	13	4	SAR	450	1	1	100kSPS	2.7 to 5.5	3.64	3.46	2.89	2.62
◆ 579-MCP3304-C/SL	MCP3304-C/SL	SOIC-16	13	4	SAR	450	1	1	100kSPS	2.7 to 5.5	3.64	3.46	2.89	2.62
◆ 579-MCP3911A0-E/SS	MCP3911A0-E/SS	SSOP-20	16	2	Delta-Sigma	230	5	-----	125kSPS	2.7 to 3.6	2.12	1.94	1.62	1.47
◆ 579-MCP3911A0-E/ML	MCP3911A0-E/ML	QFN-20	16	2	Delta-Sigma	230	5	-----	125kSPS	2.7 to 3.6	2.16	1.97	1.64	1.49
◆ 579-MCP3425A0T-E/CH	MCP3425A0T-E/CH	SOT-23A-6	16	1	Delta-Sigma	155	10	-----	15SPS	2.7 to 5.5	2.38	2.17	1.81	1.65
◆ 579-MCP3551-E/SN	MCP3551-E/SN	SOIC-8	22	1	Delta-Sigma	120	2	-----	14SPS	2.7 to 5.5	3.36	3.98	3.31	3.01
◆ 579-MCP3553-E/MS	MCP3553-E/MS	MSOP-8	22	1	Delta-Sigma	140	2	-----	60SPS	2.7 to 5.5	4.40	4.02	3.35	3.05

## CAN CONTROLLERS

◆ Surface Mount Device

MOUSER STOCK NO.	Microchip Part No.	Package	Interrupt Output	Buffers		Supply Voltage (Min/Max)	Masks	Filters	Operating Supply Current (mA)	Protocol Compatibility	Operating Temperature ( $^{\circ}$ C)	Price Each			
				T <sub>x</sub>	R <sub>x</sub>							1	10	25	100
◆ 579-MCP2510-I/ST	MCP2510-I/ST	TSSOP-20	1	3	2	2.7/5.5	2	6	-----	CAN 2.0B	-40 to +125	3.78	3.59	2.99	2.72
◆ 579-MCP2515-I/P	MCP2515-I/P	PDIP-18	1	3	2	2.7/5.5	2	6	10	CAN 2.0B	-40 to +125	1.98	1.82	1.51	1.38
◆ 579-MCP2515-I/SO	MCP2515-I/SO	SOIC-18	1	3	2	2.7/5.5	2	6	10	CAN 2.0B	-40 to +125	1.98	1.82	1.51	1.38

## CAN TRANSCEIVERS

◆ Surface Mount Device

MOUSER STOCK NO.	Microchip Part No.	Package	Drivers Per Package	Receivers Per Package	I <sub>CC</sub> (Dominant Mode) (mA)	I <sub>CC</sub> (Recessive Mode) (mA)	I <sub>CC</sub> (Shutdown) ( $\mu$ A)	Supply Voltage	ESD (kV)	Price Each			
										1	10	25	100
◆ 579-MCP2551-I/P	MCP2551-I/P	PDIP-8	1	1	75	10	365	7	6	1.12	1.02	.85	.78
◆ 579-MCP2551-I/SN	MCP2551-I/SN	SOIC-8	1	1	75	10	365	7	6	1.12	1.02	.85	.78

## DIGITAL-TO-ANALOG CONVERTERS (DACs)

◆ Surface Mount Device

MOUSER STOCK NO.	Microchip Part No.	Package	Res.	DAC Channel	Architecture	INL (Max) ( $\pm$ LSB)	DNL (Max) ( $\pm$ LSB)	Settling Time ( $\mu$ S)	Standby Current (Typ)( $\mu$ A)	Operating Current (Typ)( $\mu$ A)	Price Each			
											1	10	25	100
◆ 579-MCP47A1T-A0E/LT	MCP47A1T-A0E/LT	SC70-6	6	1	Resistor Ladder	1	0.5	15	0.25	130	.62	.57	.48	.44
◆ 579-MCP47A1T-A1E/LT	MCP47A1T-A1E/LT	SC70-6	6	1	Resistor Ladder	1	0.5	15	0.25	130	.62	.57	.48	.44
◆ 579-MCP4706A0TECH	MCP4706A0T-E/CH	SOT-23-6	8	1	Resistor Ladder	0.125	0.05	6	0.06	210	.78	.71	.60	.54
◆ 579-MCP4706A1TECH	MCP4706A1T-E/CH	SOT-23-6	8	1	Resistor Ladder	0.125	0.05	6	0.06	210	.78	.71	.60	.54
◆ 579-MCP4706A2TECH	MCP4706A2T-E/CH	SOT-23-6	8	1	Resistor Ladder	0.125	0.05	6	0.06	210	.78	.71	.60	.54
◆ 579-MCP4706A3TECH	MCP4706A3T-E/CH	SOT-23-6	8	1	Resistor Ladder	0.125	0.05	6	0.06	210	.78	.71	.60	.54
◆ 579-MCP4801-E/MS	MCP4801-E/MS	MSOP-10	8	1	String	0.125	0.5	4.5	0.3	330	1.20	1.13	.94	.86
◆ 579-MCP4801-E/P	MCP4801-E/P	PDIP-8	8	1	String	0.125	0.5	4.5	0.3	330	1.20	1.13	.94	.86
◆ 579-MCP4801-E/SN	MCP4801-E/SN	SOIC-8	8	1	String	0.125	0.5	4.5	0.3	330	1.20	1.13	.94	.86
◆ 579-MCP4901-E/MC	MCP4901-E/MC	DFN-8	8	1	String	0.125	0.5	4.5	3.3	175	1.02	.96	.80	.73
◆ 579-MCP4901-E/MS	MCP4901-E/MS	MSOP-8	8	1	String	0.125	0.5	4.5	3.3	175	1.02	.96	.80	.73
◆ 579-MCP4901-E/P	MCP4901-E/P	PDIP-8	8	1	String	0.125	0.5	4.5	3.3	175	1.02	.96	.80	.73
◆ 579-MCP4901-E/SN	MCP4901-E/SN	SOIC-8	8	1	String	0.125	0.5	4.5	3.3	175	1.02	.96	.80	.73
◆ 579-MCP4802-E/MS	MCP4802-E/MS	MSOP-8	8	2	String	0.125	0.5	4.5	3.3	415	1.62	1.48	1.23	1.12
◆ 579-MCP4802-E/P	MCP4802-E/P	PDIP-8	8	2	String	0.125	0.5	4.5	3.3	415	1.62	1.48	1.23	1.12
◆ 579-MCP4802-E/SN	MCP4802-E/SN	SOIC-8	8	2	String	0.125	0.5	4.5	3.3	415	1.62	1.48	1.23	1.12
◆ 579-MCP4902-E/P	MCP4902-E/P	PDIP-14	8	2	String	0.125	0.5	4.5	0.3	350	1.40	1.29	1.07	.98
◆ 579-MCP4902-E/SL	MCP4902-E/SL	SOIC-14	8	2	String	0.125	0.5	4.5	0.3	350	1.40	1.29	1.07	.98
◆ 579-MCP4902-E/ST	MCP4902-E/ST	TSSOP-14	8	2	String	0.125	0.5	4.5	0.3	350	1.40	1.29	1.07	.98
◆ 579-MCP4716A0TECH	MCP4716A0T-E/CH	SOT-23-6	10	1	Resistor Ladder	0.125	0.05	6	0.06	210	.90	.82	.69	.62
◆ 579-MCP4716A1TECH	MCP4716A1T-E/CH	SOT-23-6	10	1	Resistor Ladder	0.125	0.05	6	0.06	210	.90	.82	.69	.62
◆ 579-MCP4716A2TECH	MCP4716A2T-E/CH	SOT-23-6	10	1	Resistor Ladder	0.125	0.05	6	0.06	210	.90	.82	.69	.62
◆ 579-MCP4716A3TECH	MCP4716A3T-E/CH	SOT-23-6	10	1	Resistor Ladder	0.125	0.05	6	0.06	210	.90	.82	.69	.62
◆ 579-MCP4811-E/MC	MCP4811-E/MC	DFN-8	10	1	String	0.125	0.5	4.5	0.3	330	1.70	1.62	1.35	1.22
◆ 579-MCP4811-E/MS	MCP4811-E/MS	MSOP-8	10	1	String	0.125	0.5	4.5	0.3	330	1.70	1.62	1.35	1.22
◆ 579-MCP4811-E/P	MCP4811-E/P	PDIP-8	10	1	String	0.125	0.5	4.5	0.3	330	1.70	1.62	1.35	1.22
◆ 579-MCP4811-E/SN	MCP4811-E/SN	SOIC-8	10	1	String	0.125	0.5	4.5	0.3	330	1.70	1.62	1.35	1.22
◆ 579-MCP4911-E/MC	MCP4911-E/MC	DFN-8	10	1	String	0.5	0.5	4.5	3.3	175	1.46	1.38	1.15	1.05
◆ 579-MCP4911-E/MS	MCP4911-E/MS	MSOP-8	10	1	String	0.5	0.5	4.5	3.3	175	1.46	1.38	1.15	1.05
◆ 579-MCP4911-E/P	MCP4911-E/P	PDIP-8	10	1	String	0.5	0.5	4.5	3.3	175	1.46	1.38	1.15	1.05
◆ 579-MCP4911-E/SN	MCP4911-E/SN	SOIC-8	10	1	String	0.5	0.5	4.5	3.3	175	1.46	1.38	1.15	1.05
◆ 579-MCP4812-E/MS	MCP4812-E/MS	MSOP-8	10	2	String	0.125	0.5	4.5	3.3	415	2.30	2.11	1.76	1.60
◆ 579-MCP4812-E/SN	MCP4812-E/SN	SOIC-8	10	2	String	0.125	0.5	4.5	3.3	415	2.30	2.11	1.76	1.60
◆ 579-MCP4912-E/P	MCP4912-E/P	PDIP-14	10	2	String	0.5	0.5	4.5	0.3	350	2.00	1.83	1.53	1.39
◆ 579-MCP4912-E/SL	MCP4912-E/SL	SOIC-14	10	2	String	0.5	0.5	4.5	0.3	350	2.00	1.83	1.53	1.39
◆ 579-MCP4912-E/ST	MCP4912-E/ST	TSSOP-14	10	2	String	0.5	0.5	4.5	0.3	350	2.00	1.83	1.53	1.39
◆ 579-MCP4726A0TECH	MCP4726A0T-E/CH	SOT-23-6	12	1	Resistor Ladder	0.125	0.05	6	0.06	210	1.06	.96	.80	.73
◆ 579-MCP4726A1TECH	MCP4726A1T-E/CH	SOT-23-6	12	1	Resistor Ladder	0.125	0.05	6	0.06	210	1.06	.96	.80	.73
◆ 579-MCP4726A2TECH	MCP4726A2T-E/CH	SOT-23-6	12	1	Resistor Ladder	0.125	0.05	6	0.06	210	1.06	.96	.80	.73
◆ 579-MCP4726A3TECH	MCP4726A3T-E/CH	SOT-23-6	12	1	Resistor Ladder	0.125	0.05	6	0.06	210	1.06	.96	.80	.73
◆ 579-MCP4921-E/P	MCP4921-E/P	PDIP-8	12	1	String	2	0.75	4.5	3.3	175	2.08	1.97	1.64	1.49
◆ 579-MCP4921-E/SN	MCP4921-E/SN	SOIC-8	12	1	String	2	0.75	4.5	3.3	175	2.08	1.97	1.64	1.49
◆ 579-MCP4922-E/P	MCP49													