

# MICROCHIP Analog ICs



RoHS Compliant This product is RoHS compliant.

## ENCODERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Protocols	Transmission Code Length (Bits)	Seed Length	Code Hoppings (Bits)	Tunable Oscillator	Function Codes	CRC	Operating Voltage (V)	Price Each			
											1	10	25	100
◆ 579-HCS200-I/SN	HCS200-I/SN	SOIC-8	1	66	32	32	No	7	No	3.5 to 13.0	1.26	1.05	1.01	.97
◆ 579-HCS301/P	HCS301/P	PDIP-8	1	66	32	32	No	15	No	3.5 to 13.0	1.28	1.07	1.03	.99
◆ 579-HCS301-I/SN	HCS301-I/SN	SOIC-8	1	66	32	32	No	15	No	3.5 to 13.0	1.41	1.18	1.14	1.09

## ETHERNET CONTROLLERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	MAC	PHY	RAM Buffer (bytes)		LEDs	Interrupt Pin	Max. Speed (MHz)	Interface	Pre-Prog MAC Address	Security Engines	Price Each			
					Tx	Rx							1	10	25	100
◆ 579-ENC28J60/SS	ENC28J60/SS	SSOP-28	Yes	Yes	8192	8192	2	1	25	SPI	No	No	3.34	2.79	2.56	2.32
◆ 579-ENC28J60-I/ML	ENC28J60-I/ML	QFN-28	Yes	Yes	8192	8192	2	1	25	SPI	No	No	3.58	2.99	2.74	2.48
◆ 579-ENC28J60-I/SO	ENC28J60-I/SO	SOIC-28	Yes	Yes	8192	8192	2	1	25	SPI	No	No	3.39	2.83	2.60	2.35
◆ 579-ENC28J60-I/SP	ENC28J60-I/SP	SPDIP-28	Yes	Yes	8192	8192	2	1	25	SPI	No	No	3.63	3.03	2.77	2.51
◆ 579-ENC424J600-I/ML	ENC424J600-I/ML	QFN-44	Yes	Yes	24576	24576	2	1	25	SPI/Parallel	Yes	Yes	4.51	3.76	3.45	3.12
◆ 579-ENC424J600-I/PT	ENC424J600-I/PT	TQFP-44	Yes	Yes	24576	24576	2	1	25	SPI/Parallel	Yes	Yes	4.29	3.58	3.29	2.98
◆ 579-ENC624J600-I/PT	ENC624J600-I/PT	TQFP-64	Yes	Yes	24576	24576	2	1	25	SPI/Flexible Parallel	Yes	Yes	4.64	3.87	3.55	3.22

## INDUCTIVE SENSOR ANALOG FRONT END

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Voltage Range	Temperature Range (°C)	Price Each			
						1	10	25	100
◆ 579-MCP2036-I/P	MCP2036-I/P	PDIP-14	Combines all necessary analog functions for inductance -measurement system	2.7 to 5.5	-40 to +85	.75	.63	.57	.52
◆ 579-MCP2036-I/SL	MCP2036-I/SL	SOIC-14	Combines all necessary analog functions for inductance -measurement system	2.7 to 5.5	-40 to +85	.57	.48	.44	.40

## INFRARED ENCODER/DECODERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Up to IrDA Standard kbaud	Max. Baud Rate @ 20MHz	Operating Voltage (V)	Price Each			
							1	10	25	100
◆ 579-MCP2120IP	MCP2120-I/P	PDIP-14	Infrared Encoder/Decoder used with any UART	115.2	312500.0	2.5 - 5.5	1.16	1.06	.88	.80
◆ 579-MCP2120ISL	MCP2120-I/SL	SOIC-14	Infrared Encoder/Decoder used with any UART	115.2	312500.0	2.5 - 5.5	1.16	1.06	.88	.80

## I/O EXPANDERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Interrupt Output	Reset Input	VDD (Min.)(V)	VDD (Max.)(V)	# of Bits	Bus Speed (Max.)	Config. Registers	5V Tolerant I/O	Push-Pull I/O Type	Open-Drain I/O Type	Price Each			
													1	10	25	100
◆ 579-MCP23008-E/P	MCP23008-E/P	PDIP-18	Yes	Yes	1.8	5.5	8	1.7MHz	Yes	No	Yes	Yes	1.08	1.02	.85	.78
◆ 579-MCP23008-E/SO	MCP23008-E/SO	SOIC-18	Yes	Yes	1.8	5.5	8	1.7MHz	Yes	No	Yes	Yes	1.08	1.02	.85	.78
◆ 579-MCP23009-E/MG	MCP23009-E/MG	QFN-16	Yes	Yes	1.8	5.5	8	3.4MHz	Yes	Yes	Yes	Yes	1.28	1.21	1.01	.92
◆ 579-MCP23009-E/SS	MCP23009-E/SS	SSOP-20	Yes	Yes	1.8	5.5	8	3.4MHz	Yes	Yes	Yes	Yes	1.24	1.13	.94	.86
◆ 579-MCP23017-E/SO	MCP23017-E/SO	SOIC-28	Yes	Yes	1.8	5.5	16	1.7MHz	Yes	No	No	Yes	1.26	1.20	1.00	.91
◆ 579-MCP23017-E/SP	MCP23017-E/SP	SDIP-28	Yes	Yes	1.8	5.5	16	1.7MHz	Yes	No	No	Yes	1.26	1.20	1.00	.91
◆ 579-MCP23018-E/SS	MCP23018-E/SS	SSOP-28	Yes	Yes	1.8	5.5	16	3.4MHz	Yes	Yes	No	Yes	1.82	1.66	1.38	1.26
◆ 579-MCP23018-E/P	MCP23018-E/P	PDIP-18	Yes	Yes	1.8	5.5	8	10MHz	Yes	No	Yes	Yes	1.14	1.07	.89	.81
◆ 579-MCP23018-E/SO	MCP23018-E/SO	SOIC-18	Yes	Yes	1.8	5.5	8	10MHz	Yes	No	Yes	Yes	1.14	1.07	.89	.81
◆ 579-MCP23018-E/MG	MCP23018-E/MG	QFN-16	Yes	Yes	1.8	5.5	8	10MHz	Yes	Yes	Yes	Yes	1.36	1.27	1.06	.96
◆ 579-MCP23017-E/SO	MCP23017-E/SO	SOIC-28	Yes	Yes	1.8	5.5	16	10MHz	Yes	No	No	Yes	1.32	1.26	1.05	.95
◆ 579-MCP23017-E/SP	MCP23017-E/SP	SDIP-28	Yes	Yes	1.8	5.5	16	10MHz	Yes	No	No	Yes	1.32	1.26	1.05	.95
◆ 579-MCP23018-E/MJ	MCP23018-E/MJ	QFN-24	Yes	Yes	1.8	5.5	16	10MHz	Yes	Yes	No	Yes	1.70	1.60	1.33	1.21
◆ 579-MCP23018-E/SP	MCP23018-E/SP	SDIP-28	Yes	Yes	1.8	5.5	16	10MHz	Yes	Yes	No	Yes	1.70	1.60	1.33	1.21

## IRDA PROTOCOL STACK CONTROLLERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	Description	Operating Temperature Range (°C)	Max. Baud Rate	Operating Voltage (V)	Price Each			
							1	10	25	100
◆ 579-MCP2140A-I/P	MCP2140A-I/P	PDIP-18	Fixed Speed 9600 Baud IrDA Protocol Stack Controller	-40 to +85	9600.0	2.0 - 5.5	2.02	1.85	1.54	1.40
◆ 579-MCP2140-I/P	MCP2140-I/P	PDIP-18	Fixed Speed 9600 Baud IrDA Protocol Stack Controller	-40 to +85	9600.0	3.0 - 5.5	2.16	2.05	1.71	1.55
◆ 579-MCP2140-I/SO	MCP2140-I/SO	SOIC-18	Fixed Speed 9600 Baud IrDA Protocol Stack Controller	-40 to +85	9600.0	3.0 - 5.5	2.16	2.05	1.71	1.55
◆ 579-MCP2150-I/P	MCP2150-I/P	PDIP-18	IrDA Protocol Stack Handler Plus Bit Encoding/Decoding	-40 to +85	115200.0	3.0 - 5.5	4.38	4.02	3.35	3.05
◆ 579-MCP2150-I/SO	MCP2150-I/SO	SOIC-18	IrDA Protocol Stack Handler Plus Bit Encoding/Decoding	-40 to +85	115200.0	3.0 - 5.5	4.38	4.02	3.35	3.05
◆ 579-MCP2150-I/SS	MCP2150-I/SS	SSOP-20	IrDA Protocol Stack Handler Plus Bit Encoding/Decoding	-40 to +85	115200.0	3.0 - 5.5	4.38	4.02	3.35	3.05

## MOSFET DRIVERS

◆ Surface Mount Device

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Microchip Part No.	Package	No. of Drivers	Supply Voltage (Max)(V)	Input/Output Delay Time (Typ)		Peak Output Current (mA)	Output Resistance (Max)(Ω)		Rise Time (Typ)(ns)	Fall Time (Typ)(ns)	Operating Temp. Range (°C)	Price Each			
					tp1 (ns)	tp2 (ns)		High	Low				1	10	25	100
◆ 579-MCP14700-E/MF	MCP14700-E/MF	DFN-8	1	7	25	25	2000	2.5	2.5	-----	-----	-40 to 125	2.04	1.86	1.55	1.41
◆ 579-MCP1401T-E/OT	MCP1401T-E/OT	SOT-23-5	1	20	40	40	500	18	16	20	18	-40 to 125	.68	.62	.52	.47
◆ 579-MCP1402T-E/OT	MCP1402T-E/OT	SOT-23-5	1	20	25	25	500	5	8	20	18	-40 to 125	.68	.62	.52	.47
◆ 579-MCP1415T-E/OT	MCP1415T-E/OT	SOT-23-5	1	20	50	55	1500	7.5	5.5	20	20	-40 to 125	.68	.62	.52	.47
◆ 579-MCP1416T-E/OT	MCP1416T-E/OT	SOT-23-5	1	20	50	55	1500	7.5	5.5	20	20	-40 to 125	.68	.62	.52	.47
◆ 579-MCP1406-E/P	MCP1406-E/P	PDIP-8	1	20	55	55	6000	2.8	1.5	25	25	-40 to 125	1.06	.98	.82	.74
◆ 579-MCP1407-E/P	MCP1407-E/P	PDIP-8	1	20	55	55	6000	2.8	1.5	25	25	-40 to 125	1.06	.98	.82	.74
◆ 579-MCP1407-E/SN	MCP1407-E/SN	SOIC-8	1	20	55	55	6000	2.8	1.5	25	25	-40 to 125	1.04	.96	.80	.73
◆ 579-TC4420MJA	TC4420MJA	CDIP-8	1	20	75	75	6000	2.8	2.5	25	25	-40 to 85	18.34	15.29	12.74	11.58
◆ 579-TC4421CAT	TC4421CAT	TO-220-5	1	20	60	60	9000	2.4	1.7	60	60	-40 to 85	4.17	3.48	2.90	2.64
◆ 579-TC4421AVOA	TC4421AVOA	SOIC-8	1	20	50.4	53	10000	2	1.6	38	33	-40 to 125	2.00	1.83	1.53	1.39
◆ 579-TC4422AVPA	TC4422AVPA	PDIP-8	1	20	50	53	10000	2	1.6	38	33	-40 to 125	2.06	1.88	1.57	1.42
◆ 579-TC4452VAT	TC4452VAT	TO-220-5	1	20	52	52	13000	1.5	1.5	35	38	-40 to 125	2.90	2.67	2.23	2.02
◆ 579-TC4452VOA	TC4452VOA	SOIC-8	1	20	52	52	13000	1.5	1.5	35	38	-40 to 125	2.28	2.08	1.73	1.58
◆ 579-TC427COA	TC427COA	SOIC-8	2	20	50	75	1500	15	10	-----	-----	-40 to 85	1.33	1.11	.92	.84
◆ 579-TC4424AVOA	TC4424AVOA	SOIC-8	2	20	40	41	3000	3	3.5	12	12	-40 to 125	1.80	1.65	1.37	1.25
◆ 579-TC4424AVPA	TC4424AVPA	PDIP-8	2	20	40	41	3000	3	3.5	12	12	-40 to 125	1.84	1.69	1.41	1.28
◆ 579-MCP14E4-E/P	MCP14E4-E/P	PDIP-8	2	20	40	40	4000	2.2	2.8	15	18	-40 to 125	2.02	1.86	1.55	1.41
◆ 579-MCP14E4-E/SN	MCP14E4-E/SN	SOIC-8	2	20	40	40	4000	2.2	2.8	15	18	-40 to 125	1.98	1.82	1.51	1.38

Analog ICs

Microchip

NEW AT MOUSER

NEW AT MOUSER

NEW AT MOUSER

NEW AT MOUSER