

SILICON LABS Digital Isolators and POE



Power Management

Silicon Laboratories

NEW TECHNOLOGY

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ISOPRO UNIDIRECTIONAL DIGITAL ISOLATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Forward Data Channels	Reverse Data Channels	Max. Data Rate (Mbps)	Insulation Rating	Default Output State	Temp. Range (°C)	Price Each			
									1	25	50	100
1.0kV												
634-SI8440AA-C-IS1	SI8440AA-C-IS1	NB SOIC-16	4	0	1	1.0kV	L	-40 to +125	2.38	1.89	1.81	1.73
634-SI8440BA-C-IS1	SI8440BA-C-IS1	NB SOIC-16	4	0	150	1.0kV	L	-40 to +125	3.48	2.77	2.65	2.53
634-SI8441AA-C-IS1	SI8441AA-C-IS1	NB SOIC-16	3	1	1	1.0kV	L	-40 to +125	2.38	1.89	1.81	1.73
634-SI8441BA-C-IS1	SI8441BA-C-IS1	NB SOIC-16	3	1	150	1.0kV	L	-40 to +125	3.48	2.77	2.65	2.53
634-SI8442AA-C-IS1	SI8442AA-C-IS1	NB SOIC-16	2	2	1	1.0kV	L	-40 to +125	2.38	1.89	1.81	1.73
634-SI8442BA-C-IS1	SI8442BA-C-IS1	NB SOIC-16	2	2	150	1.0kV	L	-40 to +125	3.48	2.77	2.65	2.53
634-SI8445BA-C-IS1	SI8445BA-C-IS1	NB SOIC-16	4	0	150	1.0kV	L	-40 to +125	3.48	2.77	2.65	2.53
634-SI8450AA-A-IS1	SI8450AA-A-IS1	NB SOIC-16	5	0	1	1.0kV	L	-40 to +125	2.66	2.12	2.03	1.94
634-SI8450BA-A-IS1	SI8450BA-A-IS1	NB SOIC-16	5	0	150	1.0kV	L	-40 to +125	3.92	3.12	2.99	2.85
634-SI8451AA-A-IS1	SI8451AA-A-IS1	NB SOIC-16	4	1	1	1.0kV	L	-40 to +125	2.66	2.12	2.03	1.94
634-SI8451BA-A-IS1	SI8451BA-A-IS1	NB SOIC-16	4	1	150	1.0kV	L	-40 to +125	3.92	3.12	2.99	2.85
634-SI8452AA-A-IS1	SI8452AA-A-IS1	NB SOIC-16	3	2	1	1.0kV	L	-40 to +125	2.66	2.12	2.03	1.94
634-SI8452BA-A-IS1	SI8452BA-A-IS1	NB SOIC-16	3	2	150	1.0kV	L	-40 to +125	3.92	3.12	2.99	2.85
634-SI8460AA-A-IS1	SI8460AA-A-IS1	NB SOIC-16	6	0	1	1.0kV	L	-40 to +125	2.97	2.36	2.27	2.16
634-SI8460BA-A-IS1	SI8460BA-A-IS1	NB SOIC-16	6	0	150	1.0kV	L	-40 to +125	4.38	3.48	3.34	3.18
634-SI8461AA-A-IS1	SI8461AA-A-IS1	NB SOIC-16	5	1	1	1.0kV	L	-40 to +125	2.97	2.36	2.27	2.16
634-SI8461BA-A-IS1	SI8461BA-A-IS1	NB SOIC-16	5	1	150	1.0kV	L	-40 to +125	4.38	3.48	3.34	3.18
634-SI8462AA-A-IS1	SI8462AA-A-IS1	NB SOIC-16	4	2	1	1.0kV	L	-40 to +125	2.97	2.36	2.27	2.16
634-SI8462BA-A-IS1	SI8462BA-A-IS1	NB SOIC-16	4	2	150	1.0kV	L	-40 to +125	4.38	3.48	3.34	3.18
634-SI8463AA-A-IS1	SI8463AA-A-IS1	NB SOIC-16	3	3	1	1.0kV	L	-40 to +125	2.97	2.36	2.27	2.16
634-SI8463BA-A-IS1	SI8463BA-A-IS1	NB SOIC-16	3	3	150	1.0kV	L	-40 to +125	4.38	3.48	3.34	3.18
2.5kV												
634-SI8410AB-C-IS	SI8410AB-C-IS	NB SOIC-8	1	0	1	2.5kV	L	-40 to +125	2.46	1.17	1.11	1.03
634-SI8410BB-C-IS	SI8410BB-C-IS	NB SOIC-8	1	0	150	2.5kV	L	-40 to +125	1.14	1.71	1.62	1.48
634-SI8420AB-C-IS	SI8420AB-C-IS	NB SOIC-8	2	0	1	2.5kV	L	-40 to +125	1.51	1.21	1.14	1.01
634-SI8420BB-C-IS	SI8420BB-C-IS	NB SOIC-8	2	0	150	2.5kV	L	-40 to +125	2.18	1.75	1.65	1.46
634-SI8421AB-C-IS	SI8421AB-C-IS	NB SOIC-8	1	1	1	2.5kV	L	-40 to +125	1.51	1.21	1.14	1.01
634-SI8421BB-C-IS	SI8421BB-C-IS	NB SOIC-8	1	1	150	2.5kV	L	-40 to +125	2.18	1.75	1.65	1.46
634-SI8430AB-C-IS	SI8430AB-C-IS	WB SOIC-16	3	0	1	2.5kV	L	-40 to +125	2.16	1.73	1.63	1.44
634-SI8430AB-C-IS1	SI8430AB-C-IS1	NB SOIC-16	3	0	1	2.5kV	L	-40 to +125	1.96	1.56	1.50	1.42
634-SI8430BB-C-IS	SI8430BB-C-IS	WB SOIC-16	3	0	150	2.5kV	L	-40 to +125	3.24	2.59	2.45	2.16
634-SI8430BB-C-IS1	SI8430BB-C-IS1	NB SOIC-16	3	0	150	2.5kV	L	-40 to +125	3.01	2.40	2.30	2.19
634-SI8431AB-C-IS	SI8431AB-C-IS	WB SOIC-16	2	1	1	2.5kV	L	-40 to +125	2.16	1.73	1.63	1.44
634-SI8431AB-C-IS1	SI8431AB-C-IS1	NB SOIC-16	2	1	1	2.5kV	L	-40 to +125	1.96	1.56	1.50	1.42
634-SI8431BB-C-IS	SI8431BB-C-IS	WB SOIC-16	2	1	150	2.5kV	L	-40 to +125	3.24	2.59	2.45	2.16
634-SI8431BB-C-IS1	SI8431BB-C-IS1	NB SOIC-16	2	1	150	2.5kV	L	-40 to +125	3.01	2.40	2.30	2.19
634-SI8435BB-C-IS	SI8435BB-C-IS	WB SOIC-16	3	0	150	2.5kV	L	-40 to +125	3.24	2.59	2.45	2.16
634-SI8435BB-C-IS1	SI8435BB-C-IS1	NB SOIC-16	3	0	150	2.5kV	L	-40 to +125	3.01	2.40	2.30	2.19
634-SI8440AB-C-IS	SI8440AB-C-IS	WB SOIC-16	4	0	1	2.5kV	L	-40 to +125	2.70	2.16	2.04	1.80
634-SI8440AB-C-IS1	SI8440AB-C-IS1	NB SOIC-16	4	0	1	2.5kV	L	-40 to +125	2.49	1.98	1.90	1.81
634-SI8440BB-C-IS	SI8440BB-C-IS	WB SOIC-16	4	0	150	2.5kV	L	-40 to +125	3.89	3.11	2.94	2.60
634-SI8440BB-C-IS1	SI8440BB-C-IS1	NB SOIC-16	4	0	150	2.5kV	L	-40 to +125	3.65	2.91	2.79	2.66
634-SI8441AB-C-IS	SI8441AB-C-IS	WB SOIC-16	3	1	1	2.5kV	L	-40 to +125	2.70	2.16	2.04	1.80
634-SI8441AB-C-IS1	SI8441AB-C-IS1	NB SOIC-16	3	1	1	2.5kV	L	-40 to +125	2.49	1.98	1.90	1.81
634-SI8441BB-C-IS	SI8441BB-C-IS	WB SOIC-16	3	1	150	2.5kV	L	-40 to +125	3.89	3.11	2.94	2.60
634-SI8441BB-C-IS1	SI8441BB-C-IS1	NB SOIC-16	3	1	150	2.5kV	L	-40 to +125	3.65	2.91	2.79	2.66
634-SI8442AB-C-IS	SI8442AB-C-IS	WB SOIC-16	2	2	1	2.5kV	L	-40 to +125	2.70	2.16	2.04	1.80
634-SI8442AB-C-IS1	SI8442AB-C-IS1	NB SOIC-16	2	2	1	2.5kV	L	-40 to +125	2.49	1.98	1.90	1.81
634-SI8442BB-C-IS	SI8442BB-C-IS	WB SOIC-16	2	2	150	2.5kV	L	-40 to +125	3.89	3.11	2.94	2.60
634-SI8442BB-C-IS1	SI8442BB-C-IS1	NB SOIC-16	2	2	150	2.5kV	L	-40 to +125	3.65	2.91	2.79	2.66
634-SI8445BB-C-IS	SI8445BB-C-IS	WB SOIC-16	4	0	150	2.5kV	L	-40 to +125	3.89	3.11	2.94	2.60
634-SI8445BB-C-IS1	SI8445BB-C-IS1	NB SOIC-16	4	0	150	2.5kV	L	-40 to +125	3.65	2.91	2.79	2.66
634-SI8450AB-A-IS1	SI8450AB-A-IS1	NB SOIC-16	5	0	1	2.5kV	L	-40 to +125	2.79	2.22	2.13	2.03
634-SI8450BB-A-IS1	SI8450BB-A-IS1	NB SOIC-16	5	0	150	2.5kV	L	-40 to +125	4.09	3.26	3.12	2.98
634-SI8451AB-A-IS1	SI8451AB-A-IS1	NB SOIC-16	4	1	1	2.5kV	L	-40 to +125	2.79	2.22	2.13	2.03
634-SI8451BB-A-IS1	SI8451BB-A-IS1	NB SOIC-16	4	1	150	2.5kV	L	-40 to +125	4.09	3.26	3.12	2.98
634-SI8452AB-A-IS1	SI8452AB-A-IS1	NB SOIC-16	3	2	1	2.5kV	L	-40 to +125	2.79	2.22	2.13	2.03
634-SI8452BB-A-IS1	SI8452BB-A-IS1	NB SOIC-16	3	2	150	2.5kV	L	-40 to +125	4.09	3.26	3.12	2.98
634-SI8460AB-A-IS1	SI8460AB-A-IS1	NB SOIC-16	6	0	1	2.5kV	L	-40 to +125	3.10	2.47	2.37	2.26
634-SI8460BB-A-IS1	SI8460BB-A-IS1	NB SOIC-16	6	0	150	2.5kV	L	-40 to +125	4.58	3.64	3.49	3.33
634-SI8461AB-A-IS1	SI8461AB-A-IS1	NB SOIC-16	5	1	1	2.5kV	L	-40 to +125	3.10	2.47	2.37	2.26
634-SI8461BB-A-IS1	SI8461BB-A-IS1	NB SOIC-16	5	1	150	2.5kV	L	-40 to +125	4.58	3.64	3.49	3.33
634-SI8462AB-A-IS1	SI8462AB-A-IS1	NB SOIC-16	4	2	1	2.5kV	L	-40 to +125	3.10	2.47	2.37	2.26
634-SI8462BB-A-IS1	SI8462BB-A-IS1	NB SOIC-16	4	2	150	2.5kV	L	-40 to +125	4.58	3.64	3.49	3.33
634-SI8463AB-A-IS1	SI8463AB-A-IS1	NB SOIC-16	3	3	1	2.5kV	L	-40 to +125	3.10	2.47	2.37	2.26
634-SI8463BB-A-IS1	SI8463BB-A-IS1	NB SOIC-16	3	3	150	2.5kV	L	-40 to +125	4.58	3.64	3.49	3.33

ISOPRO BI-DIRECTIONAL I2C COMPATIBLE DIGITAL ISOLATORS

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Forward Data Channels	Reverse Data Channels	Max. Data Rate (MHz)	Insulation Rating	Bidirectional Serial Data	Bidirectional Serial Clock	Temp. Range (°C)	Price Each			
										1	25	50	100
634-SI8400AA-A-IS	SI8400AA-A-IS	NB SOIC-8	0	0	1.7	1.0 kV	Yes	Yes	-40 to +125	3.61	2.87	2.76	2.62
634-SI8400AB-A-IS	SI8400AB-A-IS	NB SOIC-8	0	0	1.7	2.5kV	Yes	Yes	-40 to +125	3.78	3.01	2.89	2.75
634-SI8405AA-A-IS1	SI8405AA-A-IS1	NB SOIC-16	1	1	1.7	1.0 kV	Yes	Yes	-40 to +125	4.03	3.20	3.07	2.93
634-SI8405AB-A-IS1	SI8405AB-A-IS1	NB SOIC-16	1	1	1.7	2.5kV	Yes	Yes	-40 to +125	4.31	3.43	3.29	3.14

POWER OVER ETHERNET (POE) POWERED DEVICES

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Class	Full Diode Bridges	Trans. Surge Protector	Switcher FETs	Current Limit (mA)	Max. Output Power (W)	Operating Temp. (°C)	Price Each			
										1	25	50	100
634-SI3400-E1-GM	SI3400-E1-GM	QFN20	0-4	2	Yes	Yes	350 min	11	-40 to +125	3.52	3.49	2.39	1.80
634-SI3401-E1-GM	SI3401-E1-GM	QFN20	0-4	2	Yes	Yes	470 min	14-16	-40 to +125	4.10	3.99	2.47	1.86
634-SI3402-A-GM	SI3402-A-GM	QFN20	0-4	2	Yes	Yes	470 min	17	-40 to +85	3.45	2.88	2.01	1.67

POWER OVER ETHERNET (POE) POWER SOURCING

For quantities of 250 and up, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Ports	Input Supply (Nominal)	DC-DC Controller	SELV Compatible w/ FXS	Current Limit (mA)	Max. Output Power (W)	Operating Temp. (°C)	Price Each			
										1	25	50	100
634-SI3460-E02-GM	SI3460-E02-GM	QFN-11	1	12V	Integrated	Yes	400 min	15.4	-40 to +125	3.00	2.50	2.00	1.39
634-SI3460-E03-GM	SI3460-E03-GM	QFN-11	1	12V	Integrated	Yes	400 min	15.4	-40 to +125	3.00	2.50	1.75	1.45