

# SILICON LABS Digital Isolators and POE



RoHS Compliant This product is RoHS compliant.

## ISOPRO BI-DIRECTIONAL I<sup>2</sup>C COMPATIBLE DIGITAL ISOLATORS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Forward Data Channels	Reverse Data Channels	Max. Data Rate (Mbps)	Insulation Rating	Bidirectional Serial Data	Bidirectional Serial Clock	Temp. Range (°C)	Price Each			
										1	25	100	1000
634-SI8400AA-B-IS	SI8400AA-B-IS	NB SOIC-8	0	0	1.7	1.0kV	Yes	Yes	-40 to +125	3.48	3.14	3.01	2.54
634-SI8400AB-B-IS	SI8400AB-B-IS	NB SOIC-8	0	0	1.7	2.5kV	Yes	Yes	-40 to +125	3.65	3.29	3.15	2.67
634-SI8401AA-B-IS	SI8401AA-B-IS	NB SOIC-8	1	1	1.7	5.0kV	Yes	Yes	-40 to +125	3.48	3.14	3.01	2.54
634-SI8401AB-B-IS	SI8401AB-B-IS	NB SOIC-8	1	1	1.7	5.0kV	Yes	Yes	-40 to +125	3.65	3.29	3.15	2.67
634-SI8405AA-B-IS1	SI8405AA-B-IS1	NB SOIC-16	1	1	1.7	1.0kV	Yes	Yes	-40 to +125	3.88	3.50	3.35	2.84
634-SI8405AB-B-IS1	SI8405AB-B-IS1	NB SOIC-16	1	1	1.7	2.5kV	Yes	Yes	-40 to +125	4.16	3.75	3.59	3.04
Evaluation Kit										Price Each			
634-SI840XIC-KIT	SI840XIC-KIT	Evaluation kit provides a convenient engineering break out board for easy evaluation of the SI840x series of I2C isolators.								40.00			

## BI-DIRECTIONAL I2C COMPATIBLE DIGITAL ISOLATORS WITH UNIDIRECTIONAL DIGITAL CHANNELS

The SI86xx family is the industry's highest performing, widest channel count series of unidirectional and bidirectional isolators supporting up to 5 kV and reinforced isolation ratings. Based on Silicon Labs' patented isolation technology, SI86xx isolators enable robust operation in harsh industrial applications.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Silicon Labs Part No.	Package	Forward Data Channels	Reverse Data Channels	Max. Data Rate (Mbps)	Bidirectional Channels	Unidirectional Channels	Insulation Rating	Default Output State	Temp. Range (°C)	Price Each			
											1	25	100	250
<b>1.0kV</b>														
634-SI8641BA-B-IJ	SI8641BA-B-IJ	QSOP-16	3	1	150	0	4	1.0kV	Low	-40 to +125	2.78	2.57	2.38	1.92
634-SI8642BA-B-IJ	SI8642BA-B-IJ	QSOP-16	2	2	150	0	4	1.0kV	Low	-40 to +125	2.78	2.57	2.38	1.92
634-SI8645BA-B-IJ	SI8645BA-B-IJ	QSOP-16	4	0	150	0	4	1.0kV	Low	-40 to +125	2.78	2.57	2.38	1.92
634-SI8655BA-B-IS	SI8655BA-B-IS	WB SOIC-16	5	0	150	0	5	1.0kV	Low	-40 to +125	3.12	2.89	2.67	2.16
634-SI8655BA-B-IJ	SI8655BA-B-IJ	QSOP-16	5	0	150	0	5	1.0kV	Low	-40 to +125	3.12	2.89	2.67	2.16
634-SI8660BA-A-IS1	SI8660BA-A-IS1	NB SOIC-16	6	0	150	0	6	1.0kV	Low	-40 to +125	3.74	3.30	3.03	2.55
<b>3.75kV</b>														
634-SI8600AC-B-IS	SI8600AC-B-IS	SOIC-8	0	0	1.7	2	1	3.75kV	Low	-40 to +125	3.67	3.40	3.15	2.84
634-SI8602AC-B-IS	SI8602AC-B-IS	SOIC-8	0	0	1.7	1	1	3.75kV	Low	-40 to +125	3.31	3.06	2.83	2.75
634-SI8605AC-B-IS1	SI8605AC-B-IS1	NB SOIC-16	0	0	1.7	2	2	3.75kV	Low	-40 to +125	4.19	3.88	3.59	3.28
634-SI8606AC-B-IS1	SI8606AC-B-IS1	NB SOIC-16	0	0	1.7	2	2	3.75kV	Low	-40 to +125	4.19	3.88	3.59	3.28
634-SI8610BC-B-IS	SI8610BC-B-IS	SOIC-8	1	0	150	0	1	3.75kV	Low	-40 to +125	1.67	1.55	1.43	1.40
634-SI8610EC-B-IS	SI8610EC-B-IS	SOIC-8	1	0	150	0	1	3.75kV	High	-40 to +125	1.67	1.55	1.43	1.40
634-SI8620BC-B-IS	SI8620BC-B-IS	SOIC-8	2	0	150	0	2	3.75kV	Low	-40 to +125	1.68	1.56	1.53	1.50
634-SI8620EC-B-IS	SI8620EC-B-IS	SOIC-8	2	0	150	0	2	3.75kV	High	-40 to +125	1.68	1.56	1.53	1.50
634-SI8621BC-B-IS	SI8621BC-B-IS	SOIC-8	1	1	150	0	2	3.75kV	Low	-40 to +125	1.68	1.56	1.53	1.50
634-SI8621EC-B-IS	SI8621EC-B-IS	SOIC-8	1	1	150	0	2	3.75kV	High	-40 to +125	1.68	1.56	1.53	1.50
634-SI8622BC-B-IS	SI8622BC-B-IS	SOIC-8	1	1	150	0	2	3.75kV	Low	-40 to +125	1.68	1.56	1.53	1.50
634-SI8622EC-B-IS	SI8622EC-B-IS	SOIC-8	1	1	150	0	2	3.75kV	High	-40 to +125	1.68	1.56	1.53	1.50
634-SI8630BC-B-IS1	SI8630BC-B-IS1	WB SOIC-16	3	0	150	0	3	3.75kV	Low	-40 to +125	2.39	2.21	2.05	1.95
634-SI8630EC-B-IS1	SI8630EC-B-IS1	NB SOIC-16	3	0	150	0	3	3.75kV	High	-40 to +125	2.39	2.21	2.05	1.95
634-SI8631BC-B-IS1	SI8631BC-B-IS1	NB SOIC-16	2	1	150	0	3	3.75kV	Low	-40 to +125	2.39	2.21	2.05	1.95
634-SI8631EC-B-IS1	SI8631EC-B-IS1	NB SOIC-16	2	1	150	0	3	3.75kV	High	-40 to +125	2.39	2.21	2.05	1.95
634-SI8635BC-B-IS1	SI8635BC-B-IS1	NB SOIC-16	3	0	150	0	3	3.75kV	Low	-40 to +125	2.39	2.21	2.05	1.95
634-SI8640BC-B-IS1	SI8640BC-B-IS1	NB SOIC-16	4	0	150	0	4	3.75kV	Low	-40 to +125	2.90	2.69	2.49	2.38
634-SI8640EC-B-IS1	SI8640EC-B-IS1	NB SOIC-16	4	0	150	0	4	3.75kV	High	-40 to +125	2.90	2.69	2.49	2.38
634-SI8641BC-B-IS1	SI8641BC-B-IS1	NB SOIC-16	3	1	150	0	4	3.75kV	Low	-40 to +125	2.90	2.69	2.49	2.38
634-SI8641EC-B-IS1	SI8641EC-B-IS1	NB SOIC-16	3	1	150	0	4	3.75kV	High	-40 to +125	2.90	2.69	2.49	2.38
634-SI8642BC-B-IS1	SI8642BC-B-IS1	NB SOIC-16	2	2	150	0	4	3.75kV	Low	-40 to +125	2.90	2.69	2.49	2.38
634-SI8642EC-B-IS1	SI8642EC-B-IS1	NB SOIC-16	2	2	150	0	4	3.75kV	High	-40 to +125	2.90	2.69	2.49	2.38
634-SI8645BC-B-IS1	SI8645BC-B-IS1	NB SOIC-16	4	0	150	0	4	3.75kV	Low	-40 to +125	2.90	2.69	2.49	2.38
634-SI8650BC-B-IS1	SI8650BC-B-IS1	NB SOIC-16	5	0	150	0	5	3.75kV	Low	-40 to +125	3.26	3.02	2.79	2.75
634-SI8650EC-B-IS1	SI8650EC-B-IS1	NB SOIC-16	5	0	150	0	5	3.75kV	High	-40 to +125	3.26	3.02	2.79	2.75
634-SI8651BC-B-IS1	SI8651BC-B-IS1	NB SOIC-16	4	1	150	0	5	3.75kV	Low	-40 to +125	3.26	3.02	2.79	2.75
634-SI8651EC-B-IS1	SI8651EC-B-IS1	NB SOIC-16	4	1	150	0	5	3.75kV	High	-40 to +125	3.26	3.02	2.79	2.75
634-SI8652BC-B-IS1	SI8652BC-B-IS1	NB SOIC-16	3	2	150	0	5	3.75kV	Low	-40 to +125	3.26	3.02	2.79	2.75
634-SI8652EC-B-IS1	SI8652EC-B-IS1	NB SOIC-16	3	2	150	0	5	3.75kV	High	-40 to +125	3.26	3.02	2.79	2.75
634-SI8660BA-B-IS1	SI8660BA-B-IS1	NB SOIC-16	6	0	150	0	6	3.75kV	Low	-40 to +125	3.74	3.30	3.03	2.55
634-SI8660BC-B-IS1	SI8660BC-B-IS1	NB SOIC-16	6	0	150	0	6	3.75kV	Low	-40 to +125	3.65	3.38	3.13	3.08
634-SI8660EC-B-IS1	SI8660EC-B-IS1	NB SOIC-16	6	0	150	0	6	3.75kV	High	-40 to +125	3.65	3.38	3.13	3.08
634-SI8661BC-B-IS1	SI8661BC-B-IS1	NB SOIC-16	5	1	150	0	6	3.75kV	Low	-40 to +125	3.65	3.38	3.13	3.08
634-SI8661EC-B-IS1	SI8661EC-B-IS1	NB SOIC-16	5	1	150	0	6	3.75kV	High	-40 to +125	3.65	3.38	3.13	3.08
634-SI8662BC-B-IS1	SI8662BC-B-IS1	NB SOIC-16	4	2	150	0	6	3.75kV	Low	-40 to +125	3.65	3.38	3.13	3.08
634-SI8662EC-B-IS1	SI8662EC-B-IS1	NB SOIC-16	4	2	150	0	6	3.75kV	High	-40 to +125	3.65	3.38	3.13	3.08
634-SI8663BC-B-IS1	SI8663BC-B-IS1	NB SOIC-16	3	3	150	0	6	3.75kV	Low	-40 to +125	3.65	3.38	3.13	3.08
634-SI8663EC-B-IS1	SI8663EC-B-IS1	NB SOIC-16	3	3	150	0	6	3.75kV	High	-40 to +125	3.65	3.38	3.13	3.08
<b>5.0kV</b>														
634-SI8600AD-B-IS	SI8600AD-B-IS	WB SOIC-16	0	0	1.7	2	0	5.0kV	Low	-40 to +125	4.41	4.08	3.78	3.70
634-SI8602AD-B-IS	SI8602AD-B-IS	WB SOIC-16	0	0	1.7	1	1	5.0kV	Low	-40 to +125	3.97	3.67	3.40	3.25
634-SI8605AD-B-IS	SI8605AD-B-IS	WB SOIC-16	0	0	1.7	2	2	5.0kV	Low	-40 to +125	5.01	4.64	4.30	4.18
634-SI8606AD-B-IS	SI8606AD-B-IS	WB SOIC-16	0	0	1.7	2	2	5.0kV	Low	-40 to +125	5.01	4.64	4.30	4.18
634-SI8610BD-B-IS	SI8610BD-B-IS	WB SOIC-16	1	0	150	0	1	5.0kV	Low	-40 to +125	2.20	2.04	1.89	1.52
634-SI8610ED-B-IS	SI8610ED-B-IS	SOIC-8	1	0	150	0	1	5.0kV	High	-40 to +125	2.20	2.04	1.89	1.52
634-SI8620BD-B-IS	SI8620BD-B-IS	WB SOIC-16	2	0	150	0	2	5.0kV	Low	-40 to +125	2.22	2.06	1.91	1.54
634-SI8620ED-B-IS	SI8620ED-B-IS	WB SOIC-16	2	0	150	0	2	5.0kV	High	-40 to +125	2.22	2.06	1.91	1.54
634-SI8621BD-B-IS	SI8621BD-B-IS	WB SOIC-16	1	1	150	0	2	5.0kV	Low	-40 to +125	2.22	2.06	1.91	1.54
634-SI8621ED-B-IS	SI8621ED-B-IS	WB SOIC-16	1	1	150	0	2	5.0kV	High	-40 to +125	2.22	2.06	1.91	1.54
634-SI8622BD-B-IS	SI8622BD-B-IS	WB SOIC-16	1	1	150	Unidirectional	2	5.0kV	Low	-40 to +125	2.22	2.06	1.91	1.54
634-SI8622ED-B-IS	SI8622ED-B-IS	WB SOIC-16	1	1	150	0	2	5.0kV	High	-40 to +125	2.22	2.06	1.91	1.54
634-SI8630BD-B-IS	SI8630BD-B-IS	WB SOIC-16	3	0	150	0	3	5.0kV	Low	-40 to +125	2.93	2.71	2.51	2.45
634-SI8630ED-B-IS	SI8630ED-B-IS	WB SOIC-16	3	0	150	0	3	5.0kV	High	-40 to +125	2.93	2.71	2.51	2.45
634-SI8631BD-B-IS	SI8631BD-B-IS	WB SOIC-16	2	1	150	0	3	5.0kV	Low	-40 to +125	2.93	2.71	2.51	2.45
634-SI8631ED-B-IS	SI8631ED-B-IS	WB SOIC-16	2	1	150	0	3	5.0kV	High	-40 to +125	2.93	2.71	2.51	2.45
634-SI8635BD-B-IS	SI8635BD-B-IS	WB SOIC-16	3	0	150	0	3	5.0kV	Low	-40 to +125	2.93	2.71	2.51	2.45
634-SI8640BD-B-IS	SI8640BD-B-IS	WB SOIC-16	4	0	150	0	4	5.0kV	Low	-40 to +125	3.57	3.31	3.06	2.84
634-SI8640ED-B-IS	SI8640ED-B-IS	WB SOIC-16	4	0	150	0	4	5.0kV	High	-40 to +125	3.57	3.31	3.06	2.84
634-SI8641BD-B-IS	SI8641BD-B-IS	WB SOIC-16												