

# Isolation

PRODUCT SELECTOR GUIDE



## Isolation

Solutions for industrial, communications, consumer and medical applications.



# Digital Isolators

Silicon Labs' CMOS digital isolator products enable lower cost, smaller size, higher performance, lower power, and more reliable isolated circuits than competing optocoupler solutions. The Si80xx, Si86xx, Si87xx, and Si88xx families of one to six-channel bi- and unidirectional digital isolators support isolation voltage ratings up to 5 kV. With a broad product portfolio, a proven track record of industry innovation and an unwavering commitment to engineering excellence — Silicon Labs isolation technology is ready to meet your isolation needs.

## Multi-Channel Unidirectional Digital Isolators (1 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	TEMPERATURE RANGE (°C)	PACKAGE
Si8030AA-B-IU	3	0	10	—	✓	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125	QSOP16
Si8035AA-B-IU	3	0	10	—	—	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125	QSOP16
Si8040AA-B-IU	4	0	10	—	✓	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125	QSOP16
Si8045AA-B-IU	4	0	10	—	—	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125	QSOP16
Si8050AA-B-IU	5	0	10	—	✓	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125	QSOP16
Si8055AA-B-IU	5	0	10	—	—	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125	QSOP16
Si8065AA-B-IU	6	0	10	—	—	Digital	—	3.15 - 5.5	3.15 - 5.5	-40 to 125	QSOP16
Si8641BA-B-IU	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	QSOP16
Si8642BA-B-IU	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	QSOP16
Si8645BA-B-IU	4	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	QSOP16
Si8655BA-B-IS	5	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
Si8655BA-B-IU	5	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	QSOP16

## Multi-Channel Unidirectional Digital Isolators (2.5 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	TEMPERATURE RANGE (°C)	PACKAGE
Si8610AB-B-IS	1	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
Si8610BB-B-IS	1	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
Si8620AB-B-IS	2	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
Si8620BB-B-IS	2	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
Si8621AB-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
Si8621BB-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
Si8622BB-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
Si8630AB-B-IS	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
Si8630AB-B-IS1	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8630BB-B-IS	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
Si8630BB-B-IS1	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8631AB-B-IS	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
Si8631AB-B-IS1	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8631BB-B-IS	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
Si8631BB-B-IS1	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8635BB-B-IS	3	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
Si8640AB-B-IS	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
Si8640AB-B-IS1	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8640BB-B-IS	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
Si8640BB-B-IS1	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8641AB-B-IS	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	TEMPERATURE RANGE (°C)	PACKAGE
SI8641AB-B-IS1	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8641BB-B-IS	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8641BB-B-IS1	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8642AB-B-IS	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8642AB-B-IS1	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8642BB-B-IS	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8642BB-B-IS1	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8645BB-B-IS	4	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8645BB-B-IS1	4	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8650AB-B-IS1	5	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8650BB-B-IS1	5	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8651AB-B-IS1	4	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8651BB-B-IS1	4	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8652AB-B-IS1	3	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8652BB-B-IS1	3	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8655BB-B-IS1	5	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8660AB-B-IS1	6	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8660BB-B-IS1	6	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8661AB-B-IS1	5	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8661BB-B-IS1	5	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8662AB-B-IS1	4	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8662BB-B-IS1	4	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8663AB-B-IS1	3	3	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8663BB-B-IS1	3	3	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16

### Unidirectional Digital Isolators (3.75 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	TEMPERATURE RANGE (°C)	PACKAGE
SI8610BC-B-IS	1	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
SI8610EC-B-IS	1	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
SI8620BC-B-IS	2	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
SI8620EC-B-IS	2	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
SI8621BC-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
SI8621EC-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
SI8622BC-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
SI8622EC-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
SI8630BC-B-IS1	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8630EC-B-IS1	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8631BC-B-IS1	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8631EC-B-IS1	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8635BC-B-IS1	3	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8640BC-B-IS1	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8640EC-B-IS1	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
SI8641BC-B-IS1	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	TEMPERATURE RANGE (°C)	PACKAGE
Si8641EC-B-IS1	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8642BC-B-IS1	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8642EC-B-IS1	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8645BC-B-IS1	4	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8650BC-B-IS1	5	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8650EC-B-IS1	5	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8651BC-B-IS1	4	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8651EC-B-IS1	4	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8652BC-B-IS1	3	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8652EC-B-IS1	3	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8660BA-B-IS1	6	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8660BC-B-IS1	6	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8660EC-B-IS1	6	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8661BC-B-IS1	5	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8661EC-B-IS1	5	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8662BC-B-IS1	4	2	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8662EC-B-IS1	4	2	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8663BC-B-IS1	3	3	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8663EC-B-IS1	3	3	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC16
Si8710AC-B-IP	1	0	15	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	GW DIP8
Si8710AC-B-IS	1	0	15	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	NB SOIC8
Si8710BC-B-IP	1	0	15	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	GW DIP8
Si8710BC-B-IS	1	0	15	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	NB SOIC8
Si8710CC-B-IP	1	0	1	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	GW DIP8
Si8710CC-B-IS	1	0	1	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	NB SOIC8
Si8711AC-B-IP	1	0	15	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	GW DIP8
Si8711AC-B-IS	1	0	15	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	NB SOIC8
Si8711BC-B-IP	1	0	15	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	GW DIP8
Si8711BC-B-IS	1	0	15	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	NB SOIC8
Si8711CC-B-IP	1	0	1	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	GW DIP8
Si8711CC-B-IS	1	0	1	✓	—	LED Emulator	✓	—	3.0 - 30	-40 to 125	NB SOIC8
Si8712AC-B-IP	1	0	15	✓	✓	LED Emulator	✓	—	3.0 - 30	-40 to 125	GW DIP8
Si8712AC-B-IS	1	0	15	✓	✓	LED Emulator	✓	—	3.0 - 30	-40 to 125	NB SOIC8
Si8712BC-B-IP	1	0	15	✓	✓	LED Emulator	✓	—	3.0 - 30	-40 to 125	GW DIP8
Si8712BC-B-IS	1	0	15	✓	✓	LED Emulator	✓	—	3.0 - 30	-40 to 125	NB SOIC8
Si8712CC-B-IP	1	0	1	✓	✓	LED Emulator	✓	—	3.0 - 30	-40 to 125	GW DIP8
Si8712CC-B-IS	1	0	1	✓	✓	LED Emulator	✓	—	3.0 - 30	-40 to 125	NB SOIC8
Si8715BC-A-IP	1	0	15	✓	—	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	WB SOIC6
Si8715BC-A-IS	1	0	15	✓	—	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	GW DIP8
Si8715BD-A-IS	1	0	15	✓	—	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	NB SOIC8
Si8716BC-A-IP	1	0	15	✓	✓	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	GW DIP8
Si8716BC-A-IS	1	0	15	✓	✓	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	NB SOIC8
Si8717BC-A-IP	1	0	15	✓	✓	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	GW DIP8
Si8717BC-A-IS	1	0	15	✓	✓	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	NB SOIC8

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	TEMPERATURE RANGE (°C)	PACKAGE
SI8718BC-A-IP	1	0	15	✓	✓	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	GW DIP8
SI8718BC-A-IS	1	0	15	✓	✓	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	NB SOIC8
SI8719BC-A-IP	1	0	15	✓	—	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	WB SOIC6
SI8719BC-A-IS	1	0	15	✓	—	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	GW DIP8
SI8719BD-A-IS	1	0	15	✓	—	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	NB SOIC8
SI8720BC-A-IP	1	0	15	✓	✓	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	GW DIP8
SI8720BC-A-IS	1	0	15	✓	✓	LED Emulator	✓	—	2.5 - 5.5	-40 to 125	NB SOIC8

### Multi-Channel Unidirectional Digital Isolators (5 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	TEMPERATURE RANGE (°C)	PACKAGE
SI8410AD-A-IS	1	0	1	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125	WB SOIC16
SI8410BD-A-IS	1	0	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125	WB SOIC16
SI8420AD-A-IS	2	0	1	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125	WB SOIC16
SI8420BD-A-IS	2	0	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125	WB SOIC16
SI8421AD-B-IS	1	1	1	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125	WB SOIC16
SI8421BD-B-IS	1	1	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125	WB SOIC16
SI8422AD-B-IS	1	1	1	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125	WB SOIC16
SI8422BD-B-IS	1	1	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125	WB SOIC16
SI8423AD-B-IS	2	0	1	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125	WB SOIC16
SI8423BD-B-IS	2	0	150	—	—	Digital	—	2.7 - 5.5	2.7 - 5.5	-40 to 125	WB SOIC16
SI8610BD-B-IS	1	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8610ED-B-IS	1	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8620BD-B-IS	2	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8620ED-B-IS	2	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8621BD-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8621ED-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8622BD-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	NB SOIC8
SI8622ED-B-IS	1	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8630BD-B-IS	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8630ED-B-IS	3	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8631BD-B-IS	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8631ED-B-IS	2	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8635BD-B-IS	3	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8640BD-B-IS	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8640ED-B-IS	4	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8641BD-B-IS	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8641ED-B-IS	3	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8642BD-B-IS	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8642ED-B-IS	2	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8645BD-B-IS	4	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8650BD-B-IS	5	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8650ED-B-IS	5	0	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8651BD-B-IS	4	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	TEMPERATURE RANGE (°C)	PACKAGE
SI8651ED-B-IS	4	1	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8652BD-B-IS	3	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8652ED-B-IS	3	2	150	✓	✓	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8655BD-B-IS	5	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8660BD-B-IS	6	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8660ED-B-IS	6	0	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8661BD-B-IS	5	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8661ED-B-IS	5	1	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8662BD-B-IS	4	2	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8662ED-B-IS	4	2	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8663BD-B-IS	3	3	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8663ED-B-IS	3	3	150	✓	—	Digital	—	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8710AD-B-IS	1	0	15	✓	—	LED Emulator	✓		3.0 - 30	-40 to 125	WB SOIC6
SI8710BD-B-IS	1	0	15	✓	—	LED Emulator	✓		3.0 - 30	-40 to 125	WB SOIC6
SI8710CD-B-IS	1	0	1	✓	—	LED Emulator	✓		3.0 - 30	-40 to 125	WB SOIC6
SI8711AD-B-IM	1	0	15	✓	—	LED Emulator	✓		3.0 - 30	-40 to 125	LGA8
SI8711BD-B-IM	1	0	15	✓	—	LED Emulator	✓		3.0 - 30	-40 to 125	LGA8
SI8711CD-B-IM	1	0	1	✓	—	LED Emulator	✓		3.0 - 30	-40 to 125	LGA8
SI8712AD-B-IM	1	0	15	✓	✓	LED Emulator	✓		3.0 - 30	-40 to 125	LGA8
SI8712BD-B-IM	1	0	15	✓	✓	LED Emulator	✓		3.0 - 30	-40 to 125	LGA8
SI8712CD-B-IM	1	0	1	✓	✓	LED Emulator	✓		3.0 - 30	-40 to 125	LGA8

### Multi-Channel Unidirectional Digital Isolators (5kVrms and 10 kV surge withstand capability)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	TEMPERATURE RANGE (°C)	PACKAGE
SI8620BT-IS	2	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8620ET-IS	2	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8621BT-IS	1	1	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8621ET-IS	1	1	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8622BT-IS	1	1	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8622ET-IS	1	1	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8630BT-IS	3	0	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8630ET-IS	3	0	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8631BT-IS	2	1	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8631ET-IS	2	1	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8635BT-IS	3	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8635ET-IS	3	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8640BT-IS	4	0	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8640ET-IS	4	0	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8641BT-IS	3	1	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8641ET-IS	3	1	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8642BT-IS	2	2	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8642ET-IS	2	2	150	✓	✓	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16
SI8645BT-IS	4	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	TEMPERATURE RANGE (°C)	PACKAGE
Si8645ET-IS	4	0	150	✓	—	Digital	✓	2.5 - 5.5	2.5 - 5.5	-40 to 125	WB SOIC16

### Multi-Channel Unidirectional Digital Isolators with Integrated dc/dc Converter

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	AEC-Q100	ENABLE CONTROL	INPUT TYPE	10KV SURGE	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	TEMPERATURE RANGE (°C)	PACKAGE
Si88240ED-IS	4	0	100	✓	—	5.0	—	3.0 - 5.5	3.0 - 5.5	-40 to 125	WB SOIC20
Si88241ED-IS	3	1	100	✓	—	5.0	—	3.0 - 5.5	3.0 - 5.5	-40 to 125	WB SOIC20
Si88242ED-IS	2	2	100	✓	—	5.0	—	3.0 - 5.5	3.0 - 5.5	-40 to 125	WB SOIC20
Si88243ED-IS	1	3	100	✓	—	5.0	—	3.0 - 5.5	3.0 - 5.5	-40 to 125	WB SOIC20
Si88244ED-IS	0	4	100	✓	—	5.0	—	3.0 - 5.5	3.0 - 5.5	-40 to 125	WB SOIC20
Si88620ED-IS	2	0	100	✓	—	5.0	—	3.0 - 5.5	3.0 - 5.5	-40 to 125	WB SOIC20
Si88621ED-IS	1	1	100	✓	—	5.0	—	3.0 - 5.5	3.0 - 5.5	-40 to 125	WB SOIC20
Si88622ED-IS	0	2	100	✓	—	5.0	—	3.0 - 5.5	3.0 - 5.5	-40 to 125	WB SOIC20

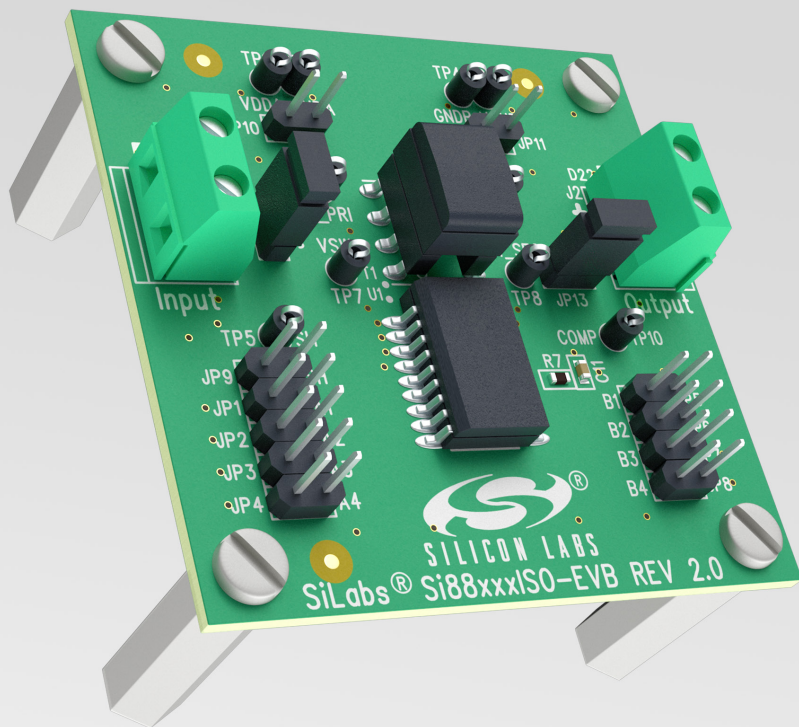
### Bidirectional Digital Isolators

PART NUMBER	ISOLATION RATING (kVrms)	MAXIMUM DATA RATE (MBPS)	MAXIMUM PROPAGATION DELAY (ns)	AEC-Q100	BIDIRECTIONAL CHANNELS	INPUT SUPPLY (V)	OUTPUT SUPPLY (V)	PACKAGE
Si8600AB-B-IS	2.5	1.7	2.5	✓	1	2.5 - 5.5	2.5 - 5.5	NB SOIC8
Si8600AC-B-IS	3.75	1.7	3.75	✓	2	2.5 - 5.5	2.5 - 5.5	NB SOIC8
Si8600AD-B-IS	5.0	1.7	5.0	✓	2	2.5 - 5.5	2.5 - 5.5	NB SOIC8
Si8602AB-B-IS	2.5	1.7	2.5	✓	2	2.5 - 5.5	2.5 - 5.5	NB SOIC16
Si8602AC-B-IS	3.75	1.7	3.75	✓	1	2.5 - 5.5	2.5 - 5.5	NB SOIC8
Si8602AD-B-IS	5.0	1.7	5.0	✓	1	2.5 - 5.5	2.5 - 5.5	WB SOIC16
Si8605AB-B-IS1	2.5	1.7	2.5	✓	—	2.5 - 5.5	2.5 - 5.5	NB SOIC8
Si8605AC-B-IS1	3.75	1.7	3.75	✓	2	2.5 - 5.5	2.5 - 5.5	NB SOIC16
Si8605AD-B-IS	5.0	1.7	5.0	✓	2	2.5 - 5.5	2.5 - 5.5	WB SOIC16
Si8606AC-B-IS1	3.75	1.7	3.75	✓	2	2.5 - 5.5	2.5 - 5.5	NB SOIC16
Si8606AD-B-IS	5.0	1.7	5.0	✓	2	2.5 - 5.5	2.5 - 5.5	WB SOIC16

### Isolated Analog Amplifiers

PART NUMBER	ISOLATION RATING (kVrms)	OUTPUT MODE	INITIAL ACCURACY	DESCRIPTION	TEMPERATURE RANGE (°C)	PACKAGE
Si8920AC-IP	3.75	Analog	1.50%	Isolated analog amplifier with ±100 mV input	-40 to 125	GW DIP8
Si8920AD-IS	5	Analog	1.50%	Isolated analog amplifier with ±100 mV input	-40 to 125	WB SOIC16
Si8920BC-IP	3.75	Analog	0.75%	Isolated analog amplifier with ±200 mV input	-40 to 125	GW DIP8
Si8920BD-IS	5	Analog	0.75%	Isolated analog amplifier with ±200 mV input	-40 to 125	WB SOIC16





# Isolated Gate Drivers

Silicon Labs' ISOdriver products offer ultra-fast propagation delays for better timing margins, rock-solid operation over temperature and time; and unparalleled size and cost benefits. Isolation ratings of 1, 2.5, 3.75 and 5.0 kV are available. Driver-to-driver withstand voltage is  $\pm 1500$  VDC and drivers can be grounded to the same or separate grounds or connected to a floating voltage.

## Isolated Gate Drivers

PART NUMBER	OVERLAP PROTECTION & DEAD TIME CONTROL	AEC-Q100	ISOLATION RATING (INPUT-OUTPUT) (kVrms)	ISOLATION RATING (OUTPUT-OUTPUT) (VDC)	MAXIMUM PROPAGATION DELAY (ns)	UVLO VOLTAGE (V)	PEAK OUTPUT CURRENT (A)	TEMPERATURE RANGE (°C)	PACKAGE
Si8220BB-A-IS	—	✓	2.5	—	80	8	2.5	-40 to 125	SOIC8
Si8220BD-A-IS	—	✓	5	—	80	8	2.5	-40 to 125	WB SOIC16
Si8220CB-A-IS	—	✓	2.5	—	80	10	2.5	-40 to 125	SOIC8
Si8220CD-A-IS	—	✓	5	—	80	10	2.5	-40 to 125	WB SOIC16
Si8220DB-A-IS	—	✓	2.5	—	80	12.5	2.5	-40 to 125	SOIC8
Si8220DD-A-IS	—	✓	5	—	80	12.5	2.5	-40 to 125	WB SOIC16
Si8221CC-A-IS	—	✓	3.75	—	80	10	0.5	-40 to 125	SOIC8
Si8221DC-A-IS	—	✓	3.75	—	80	12.5	0.5	-40 to 125	SOIC8
Si8230AB-B-IS	✓	✓	2.5	3500	60	5	0.5	-40 to 125	WB SOIC16
Si8230AB-B-IS1	✓	✓	2.5	3500	60	5	0.5	-40 to 125	NB SOIC16
Si8230AD-B-IS	✓	✓	5	3500	60	5	0.5	-40 to 125	WB SOIC16
Si8230BB-B-IS	✓	✓	2.5	3500	60	8	0.5	-40 to 125	WB SOIC16
Si8230BB-B-IS1	✓	✓	2.5	3500	60	8	0.5	-40 to 125	NB SOIC16
Si8230BD-B-IS	✓	✓	5	3500	60	8	0.5	-40 to 125	WB SOIC16
Si8231AB-B-IS	✓	✓	2.5	3500	60	5	0.5	-40 to 125	WB SOIC16
Si8231AB-B-IS1	✓	✓	2.5	3500	60	5	0.5	-40 to 125	NB SOIC16
Si8231AD-B-IS	✓	✓	5	3500	60	5	0.5	-40 to 125	WB SOIC16
Si8231BB-B-IS	✓	✓	2.5	3500	60	8	0.5	-40 to 125	WB SOIC16
Si8231BB-B-IS1	✓	✓	2.5	3500	60	8	0.5	-40 to 125	NB SOIC16
Si8231BD-B-IS	✓	✓	5	3500	60	8	0.5	-40 to 125	WB SOIC16
Si8232AB-B-IS	—	✓	2.5	3500	60	5	0.5	-40 to 125	WB SOIC16
Si8232AB-B-IS1	—	✓	2.5	3500	60	5	0.5	-40 to 125	NB SOIC16
Si8232AD-B-IS	—	✓	5	3500	60	5	0.5	-40 to 125	WB SOIC16
Si8232BB-B-IS	—	✓	2.5	3500	60	8	0.5	-40 to 125	WB SOIC16
Si8232BB-B-IS1	—	✓	2.5	3500	60	8	0.5	-40 to 125	NB SOIC16
Si8232BD-B-IS	—	✓	5	3500	60	8	0.5	-40 to 125	WB SOIC16
Si8233AB-C-IM	✓	✓	2.5	900	60	5	4.0	-40 to 125	LGA14
Si8233AB-C-IS	✓	✓	2.5	3500	60	5	4.0	-40 to 125	WB SOIC16
Si8233AB-C-IS1	✓	✓	2.5	3500	60	5	4.0	-40 to 125	NB SOIC16
Si8233AD-C-IS	✓	✓	5	3500	60	5	4.0	-40 to 125	WB SOIC16
Si8233BB-C-IM	✓	✓	2.5	900	60	8	4.0	-40 to 125	LGA14
Si8233BB-C-IS	✓	✓	2.5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si8233BB-C-IS1	✓	✓	2.5	3500	60	8	4.0	-40 to 125	NB SOIC16
Si8233BD-C-IS	✓	✓	5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si8234AB-C-IM	✓	✓	2.5	900	60	5	4.0	-40 to 125	LGA14
Si8234AB-C-IS	✓	✓	2.5	3500	60	5	4.0	-40 to 125	WB SOIC16
Si8234AB-C-IS1	✓	✓	2.5	3500	60	5	4.0	-40 to 125	NB SOIC16
Si8234AD-C-IS	✓	✓	5	3500	60	5	4.0	-40 to 125	WB SOIC16
Si8234BB-C-IM	✓	✓	2.5	900	60	8	4.0	-40 to 125	LGA14
Si8234BB-C-IS	✓	✓	2.5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si8234BB-C-IS1	✓	✓	2.5	3500	60	8	4.0	-40 to 125	NB SOIC16
Si8234BD-C-IS	✓	✓	5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si8235AB-C-IM	—	✓	2.5	900	60	5	4.0	-40 to 125	LGA14

PART NUMBER	OVERLAP PROTECTION & DEAD TIME CONTROL	AEC-Q100	ISOLATION RATING (INPUT-OUTPUT) (kVrms)	ISOLATION RATING (OUTPUT-OUTPUT) (VDC)	MAXIMUM PROPAGATION DELAY (ns)	UVLO VOLTAGE (V)	PEAK OUTPUT CURRENT (A)	TEMPERATURE RANGE (°C)	PACKAGE
Si8235AB-C-IS	—	✓	2.5	3500	60	5	4.0	-40 to 125	WB SOIC16
Si8235AB-C-IS1	—	✓	2.5	3500	60	5	4.0	-40 to 125	NB SOIC16
Si8235AD-C-IS	—	✓	5	3500	60	5	4.0	-40 to 125	WB SOIC16
Si8235BB-C-IM	—	✓	2.5	900	60	8	4.0	-40 to 125	LGA14
Si8235BB-C-IS	—	✓	2.5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si8235BB-C-IS1	—	✓	2.5	3500	60	8	4.0	-40 to 125	NB SOIC16
Si8235BD-C-IS	—	✓	5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si82390AD-IS	—	✓	5	3500	60	6	4.0	-40 to 125	WB SOIC16
Si82390BD-IS	—	✓	5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si82390CD-IS	—	✓	5	3500	60	12	4.0	-40 to 125	WB SOIC16
Si82391AD-IS	—	✓	5	3500	60	6	4.0	-40 to 125	WB SOIC16
Si82391BD-IS	—	✓	5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si82391CD-IS	—	✓	5	3500	60	12	4.0	-40 to 125	WB SOIC16
Si82394AD-IS	—	✓	5	3500	60	6	4.0	-40 to 125	WB SOIC16
Si82394BD-IS	—	✓	5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si82394CD-IS	—	✓	5	3500	60	12	4.0	-40 to 125	WB SOIC16
Si82395AD-IS	—	✓	5	3500	60	6	4.0	-40 to 125	WB SOIC16
Si82395BD-IS	—	✓	5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si82395CD-IS	—	✓	5	3500	60	12	4.0	-40 to 125	WB SOIC16
Si82396AD-IS	—	✓	5	3500	60	6	4.0	-40 to 125	WB SOIC16
Si82396BD-IS	—	✓	5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si82396CD-IS	—	✓	5	3500	60	12	4.0	-40 to 125	WB SOIC16
Si82397AD-IS	—	✓	5	3500	60	6	4.0	-40 to 125	WB SOIC16
Si82397BD-IS	—	✓	5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si82397CD-IS	—	✓	5	3500	60	12	4.0	-40 to 125	WB SOIC16
Si82398AD-IS	—	✓	5	3500	60	6	4.0	-40 to 125	WB SOIC16
Si82398BD-IS	—	✓	5	3500	60	8	4.0	-40 to 125	WB SOIC16
Si82398CD-IS	—	✓	5	3500	60	12	4.0	-40 to 125	WB SOIC16

# Environmental and Safety Compliance

DOWNLOAD DOCUMENTATION AT [www.silabs.com/quality](http://www.silabs.com/quality)

## Isolation Products Meet Safety Standard Compliance

Silicon Labs isolation products meet global requirements and standards for safety compliance and mechanical creepage and clearance. Digital isolator, AC current sensor and ISOdriver products support up to 8 mm of creepage and clearance through wide-body SOIC package to pass the industry's most stringent requirements. The devices also adhere to worldwide safety standards through Underwriter Laboratories (UL), CSA, CQC and VDE certification with devices specifying up to 5 kV isolation.

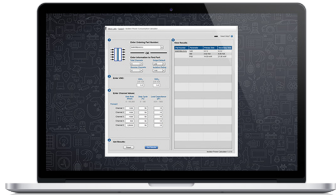
TESTING AGENCY	STANDARD	ISOLATION RATINGS (KVRMS)	DIGITAL ISOLATORS SI86XX, SI87XX, SI88XX	ISODRIVERS SI823X, SI826X, SI8239X	ISOLATED AMPLIFIERS SI892X
UL	UL 1577	2.5, 5.0	✓	✓	✓
CSA	CSA 5A (60950, 61010, 60601)	2.5, 5.0	✓	✓	✓
VDE	ICE 60747-5-5, VDE0884-10, 60905	2.5, 5.0	✓	✓	✓
CQC	GB4943.1	2.5, 5.0	✓	✓	✓

\*Some new products may have certification pending

# Hardware and Software Support

Find the development tools you need for your isolation design

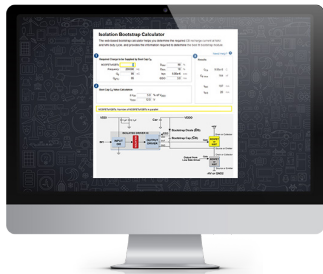
ACCESS ALL THESE TOOLS AT [www.silabs.com/isolation](http://www.silabs.com/isolation)



## Isolator Power Consumption Calculator

The Isolator Power Consumption Calculator web-based utility allows you to define basic information about your isolation set-up, and find out what your power budget will be. Simply choose the settings that match your design and get detailed power and current data.

[www.silabs.com/isolator-power-calculator](http://www.silabs.com/isolator-power-calculator)

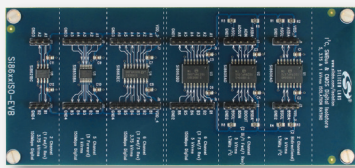


## Isolation Bootstrap Calculator

The web-based bootstrap calculator helps you determine the required CB recharge current at MAX and MIN duty cycle, and provides the information required to determine the best fit bootstrap module.

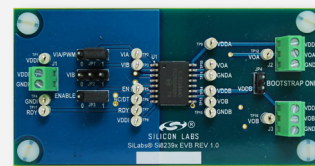
[www.silabs.com/bootstrap-calculator](http://www.silabs.com/bootstrap-calculator)

## DEVELOPMENT KITS



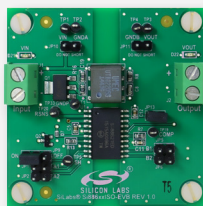
### Si86xx DIGITAL ISOLATOR EVALUATION KIT

Provides a convenient engineering breakout board for simplifying evaluations of the Si86xx isolation product family.



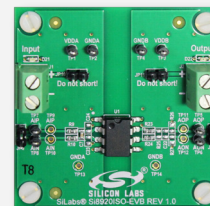
### Si8239x ISOLATED GATE DRIVER EVALUATION KIT

Enables designers to evaluate Silicon Lab's Si8239x family of ISOdrivers.



### Si88xx ISOLATOR EVALUATION KIT

Designed to evaluate the performance of Si88xx digital isolators with integrated dc-dc converter family of products.



### Si8920 ISOLATED AMPLIFIER EVALUATION KIT

Allows for quick connection to a shunt resistor for check out of the functionality of the Si8920 isolated amplifier.





Smart. Connected. Energy-Friendly.