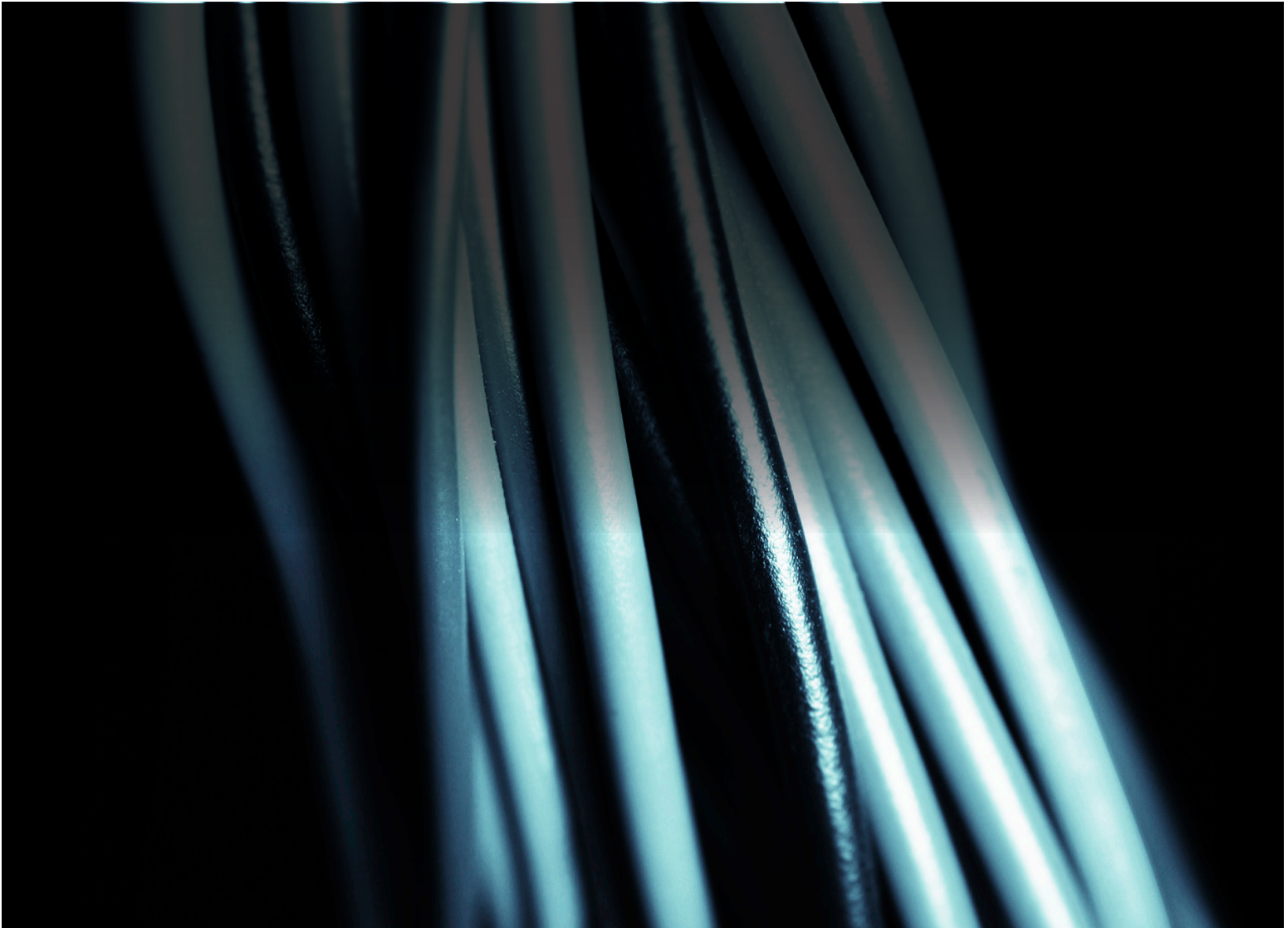


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Multi-Channel Unidirectional Digital Isolators (1 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	MAX PROPAGATION DELAY	ENABLE OUTPUT	ISOLATION RATING (kVrms)	VOLTAGE RANGE (V)	TEMPERATURE RANGE	PACKAGE
Si8440AA-D-IS1	4	0	1	35	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8440BA-D-IS1	4	0	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8441AA-D-IS1	3	1	1	35	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8441BA-D-IS1	3	1	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8442AA-D-IS1	2	2	1	35	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8442BA-D-IS1	2	2	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8442BA-D-IU	2	2	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	QSOP16
Si8445BA-D-IS1	4	0	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8450AA-B-IS1	5	0	1	35	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8450BA-B-IS1	5	0	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8451AA-B-IS1	4	1	1	35	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8451BA-B-IS1	4	1	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8452AA-B-IS1	3	2	1	35	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8452BA-B-IS1	3	2	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8455BA-B-IS1	5	0	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8455BA-B-IU	5	0	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	QSOP16
Si8460AA-B-IS1	6	0	1	35	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8460BA-B-IS1	6	0	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8461AA-B-IS1	5	1	1	35	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8461BA-B-IS1	5	1	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8462AA-B-IS1	4	2	1	35	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8462BA-B-IS1	4	2	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8463AA-B-IS1	3	3	1	35	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8463BA-B-IS1	3	3	150	9.5	•	1.0	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8641BA-B-IU	3	1	150	13	•	1.0	2.5 - 5.5 V	-40 to 125 °C	QSOP16
Si8642BA-B-IU	2	2	150	13	•	1.0	2.5 - 5.5 V	-40 to 125 °C	QSOP16
Si8645BA-B-IU	4	0	150	13	•	1.0	2.5 - 5.5 V	-40 to 125 °C	QSOP16
Si8655BA-B-IS	5	0	150	13	•	1.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8655BA-B-IU	5	0	150	13	•	1.0	2.5 - 5.5 V	-40 to 125 °C	QSOP16

Multi-Channel Unidirectional Digital Isolators (2.5 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	MAX PROPAGATION DELAY	ENABLE OUTPUT	ISOLATION RATING (kVrms)	VOLTAGE RANGE (V)	TEMPERATURE RANGE	PACKAGE
Si8410AB-D-IS	1	0	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC8
Si8410BB-D-IS	1	0	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC8
Si8420AB-D-IS	2	0	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC8
Si8420BB-D-IS	2	0	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC8
Si8421AB-D-IS	1	1	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC8
Si8421BB-D-IS	1	1	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC8
Si8422AB-B-IS	1	1	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC8
Si8422BB-B-IS	1	1	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC8
Si8423AB-B-IS	2	0	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC8
Si8423BB-B-IS	2	0	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC8

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	MAX PROPAGATION DELAY	ENABLE OUTPUT	ISOLATION RATING (kVrms)	VOLTAGE RANGE (V)	TEMPERATURE RANGE	PACKAGE
Si8430AB-D-IS	3	0	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8430AB-D-IS1	3	0	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8430BB-D-IS	3	0	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8430BB-D-IS1	3	0	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8431AB-D-IS	2	1	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8431AB-D-IS1	2	1	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8431BB-D-IS	2	1	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8431BB-D-IS1	2	1	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8435BB-D-IS	3	0	150	9.5		2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8435BB-D-IS1	3	0	150	9.5		2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8440AB-D-IS	4	0	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8440AB-D-IS1	4	0	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8440BB-D-IS	4	0	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8440BB-D-IS1	4	0	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8441AB-D-IS	3	1	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8441AB-D-IS1	3	1	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8441BB-D-IS	3	1	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8441BB-D-IS1	3	1	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8442AB-D-IS	2	2	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8442AB-D-IS1	2	2	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8442BB-D-IS	2	2	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8442BB-D-IS1	2	2	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8445BB-D-IS	4	0	150	9.5		2.5	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8445BB-D-IS1	4	0	150	9.5		2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8450AB-B-IS1	5	0	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8450BB-B-IS1	5	0	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8451AB-B-IS1	4	1	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8451BB-B-IS1	4	1	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8452AB-B-IS1	3	2	1	35	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8452BB-B-IS1	3	2	150	9.5	•	2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8455BB-B-IS1	5	0	150	9.5		2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8460AB-B-IS1	6	0	1	35		2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8460BB-B-IS1	6	0	150	9.5		2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8461AB-B-IS1	5	1	1	35		2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8461BB-B-IS1	5	1	150	9.5		2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8462AB-B-IS1	4	2	1	35		2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8462BB-B-IS1	4	2	150	9.5		2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8463AB-B-IS1	3	3	1	35		2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8463BB-B-IS1	3	3	150	9.5		2.5	2.7 - 5.5 V	-40 to 125 °C	NB SOIC16

Multi-Channel Unidirectional Digital Isolators (3.75 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	MAX PROPAGATION DELAY	ENABLE OUTPUT	ISOLATION RATING (kVrms)	VOLTAGE RANGE (V)	TEMPERATURE RANGE	PACKAGE
Si8610BC-B-IS	1	0	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	SOIC8
Si8610EC-B-IS	1	0	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	SOIC8
Si8620BC-B-IS	2	0	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	SOIC8
Si8620EC-B-IS	2	0	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	SOIC8
Si8621BC-B-IS	1	1	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	SOIC8
Si8621EC-B-IS	1	1	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	SOIC8
Si8622BC-B-IS	1	1	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	SOIC8

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	MAX PROPAGATION DELAY	ENABLE OUTPUT	ISOLATION RATING (kVrms)	VOLTAGE RANGE (V)	TEMPERATURE RANGE	PACKAGE
Si8622EC-B-IS	1	1	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	SOIC8
Si8630BC-B-IS1	3	0	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8630EC-B-IS1	3	0	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8631BC-B-IS1	2	1	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8631EC-B-IS1	2	1	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8635BC-B-IS1	3	0	150	13		3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8640BC-B-IS1	4	0	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8640EC-B-IS1	4	0	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8641BC-B-IS1	3	1	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8641EC-B-IS1	3	1	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8642BC-B-IS1	2	2	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8642EC-B-IS1	2	2	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8645BC-B-IS1	4	0	150	13		3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8650BC-B-IS1	5	0	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8650EC-B-IS1	5	0	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8651BC-B-IS1	4	1	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8651EC-B-IS1	4	1	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8652BC-B-IS1	3	2	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8652EC-B-IS1	3	2	150	13	•	3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8660BA-B-IS1	6	0	150	13		3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8660BC-B-IS1	6	0	150	13		3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8660EC-B-IS1	6	0	150	13		3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8661BC-B-IS1	5	1	150	13		3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8661EC-B-IS1	5	1	150	13		3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8662BC-B-IS1	4	2	150	13		3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8662EC-B-IS1	4	2	150	13		3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8663BC-B-IS1	3	3	150	13		3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8663EC-B-IS1	3	3	150	13		3.75	2.5 - 5.5 V	-40 to 125 °C	NB SOIC16
Si8710AC-B-IP	1	0	15	60		3.75	3 - 30 V	-40 to 125 °C	GW DIP8
Si8710AC-B-IS	1	0	15	60		3.75	3 - 30 V	-40 to 125 °C	NB SOIC8
Si8710BC-B-IP	1	0	15	60		3.75	3 - 30 V	-40 to 125 °C	GW DIP8
Si8710BC-B-IS	1	0	15	60		3.75	3 - 30 V	-40 to 125 °C	NB SOIC8
Si8710CC-B-IP	1	0	1	60		3.75	3 - 30 V	-40 to 125 °C	GW DIP8
Si8710CC-B-IS	1	0	1	60		3.75	3 - 30 V	-40 to 125 °C	NB SOIC8
Si8711AC-B-IP	1	0	15	60		3.75	3 - 30 V	-40 to 125 °C	GW DIP8
Si8711AC-B-IS	1	0	15	60		3.75	3 - 30 V	-40 to 125 °C	NB SOIC8
Si8711BC-B-IP	1	0	15	60		3.75	3 - 30 V	-40 to 125 °C	GW DIP8
Si8711BC-B-IS	1	0	15	60		3.75	3 - 30 V	-40 to 125 °C	NB SOIC8
Si8711CC-B-IP	1	0	1	60		3.75	3 - 30 V	-40 to 125 °C	GW DIP8
Si8711CC-B-IS	1	0	1	60		3.75	3 - 30 V	-40 to 125 °C	NB SOIC8
Si8712AC-B-IP	1	0	15	60	•	3.75	3 - 30 V	-40 to 125 °C	GW DIP8
Si8712AC-B-IS	1	0	15	60	•	3.75	3 - 30 V	-40 to 125 °C	NB SOIC8
Si8712BC-B-IP	1	0	15	60	•	3.75	3 - 30 V	-40 to 125 °C	GW DIP8
Si8712BC-B-IS	1	0	15	60	•	3.75	3 - 30 V	-40 to 125 °C	NB SOIC8
Si8712CC-B-IP	1	0	1	60	•	3.75	3 - 30 V	-40 to 125 °C	GW DIP8
Si8712CC-B-IS	1	0	1	60	•	3.75	3 - 30 V	-40 to 125 °C	NB SOIC8

Multi-Channel Unidirectional Digital Isolators (5 kVrms)

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	MAX PROPAGATION DELAY	ENABLE OUTPUT	ISOLATION RATING (kVrms)	VOLTAGE RANGE (V)	TEMPERATURE RANGE	PACKAGE
Si8410AD-A-IS	1	0	1	35		5.0	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8410BD-A-IS	1	0	150	9.5		5.0	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8420AD-A-IS	2	0	1	35		5.0	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8420BD-A-IS	2	0	150	9.5		5.0	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8421AD-B-IS	1	1	1	35		5.0	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8421BD-B-IS	1	1	150	9.5		5.0	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8422AD-B-IS	1	1	1	35		5.0	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8422BD-B-IS	1	1	150	9.5		5.0	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8423AD-B-IS	2	0	1	35		5.0	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8423BD-B-IS	2	0	150	9.5		5.0	2.7 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8610BD-B-IS	1	0	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8610ED-B-IS	1	0	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	SOIC8
Si8620BD-B-IS	2	0	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8620ED-B-IS	2	0	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8621BD-B-IS	1	1	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8621ED-B-IS	1	1	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8622BD-B-IS	1	1	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8622ED-B-IS	1	1	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8630BD-B-IS	3	0	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8630ED-B-IS	3	0	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8631BD-B-IS	2	1	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8631ED-B-IS	2	1	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8635BD-B-IS	3	0	150	13		5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8640BD-B-IS	4	0	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8640ED-B-IS	4	0	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8641BD-B-IS	3	1	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8641ED-B-IS	3	1	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8642BD-B-IS	2	2	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8642ED-B-IS	2	2	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8645BD-B-IS	4	0	150	13		5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8650BD-B-IS	5	0	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8650ED-B-IS	5	0	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8651BD-B-IS	4	1	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8651ED-B-IS	4	1	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8652BD-B-IS	3	2	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8652ED-B-IS	3	2	150	13	•	5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8655BD-B-IS	5	0	150	13		5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8660BD-B-IS	6	0	150	13		5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8660ED-B-IS	6	0	150	13		5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8661BD-B-IS	5	1	150	13		5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8661ED-B-IS	5	1	150	13		5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8662BD-B-IS	4	2	150	13		5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8662ED-B-IS	4	2	150	13		5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8663BD-B-IS	3	3	150	13		5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8663ED-B-IS	3	3	150	13		5.0	2.5 - 5.5 V	-40 to 125 °C	WB SOIC16
Si8710AD-B-IS	1	0	15	60		5.0	3 - 30 V	-40 to 125 °C	WB SOIC6
Si8710BD-B-IS	1	0	15	60		5.0	3 - 30 V	-40 to 125 °C	WB SOIC6
Si8710CD-B-IS	1	0	1	60		5.0	3 - 30 V	-40 to 125 °C	WB SOIC6
Si8711AD-B-IM	1	0	15	60		5.0	3 - 30 V	-40 to 125 °C	LGA8

PART NUMBER	FORWARD CHANNELS	REVERSE CHANNELS	MAXIMUM DATA RATE (MBPS)	MAX PROPAGATION DELAY	ENABLE OUTPUT	ISOLATION RATING (kVrms)	VOLTAGE RANGE (V)	TEMPERATURE RANGE	PACKAGE
Si8711BD-B-IM	1	0	15	60		5.0	3 - 30 V	-40 to 125 °C	LGA8
Si8711CD-B-IM	1	0	1	60		5.0	3 - 30 V	-40 to 125 °C	LGA8
Si8712AD-B-IM	1	0	15	60	•	5.0	3 - 30 V	-40 to 125 °C	LGA8
Si8712BD-B-IM	1	0	15	60	•	5.0	3 - 30 V	-40 to 125 °C	LGA8
Si8712CD-B-IM	1	0	1	60	•	5.0	3 - 30 V	-40 to 125 °C	LGA8

Bidirectional Digital Isolators

PART NUMBER	SERIAL DATA	SERIAL CLOCK	UNIDIRECTIONAL CHANNELS	MAXIMUM I ² C-CLOCK RATE	ISOLATION RATING (kVrms)	PACKAGE
Si8400AA-A-IS	•	•	—	1.7	1.0	NB SOIC8
Si8400AB-A-IS	•	•	—	1.7	2.5	NB SOIC8
Si8400AB-B-IS	•		—	1.7	2.5	NB SOIC8
Si8401AA-B-IS	•		—	1.7	1.0	NB SOIC8
Si8401AB-B-IS	•	•	—	1.7	2.5	NB SOIC8
Si8402AB-B-IS	•	•	1	1.7	2.5	NB SOIC8
Si8405AA-A-IS1	•	•	2	1.7	1.0	NB SOIC16
Si8405AB-A-IS1	•	•	2	1.7	2.5	NB SOIC16
Si8600AC-B-IS	•		1	1.7	3.75	SOIC8
Si8600AD-B-IS	•		—	1.7	5	WB SOIC16
Si8602AC-B-IS	•	•	1	1.7	3.75	SOIC8
Si8602AD-B-IS	•	•	1	1.7	5	WB SOIC16
Si8605AC-B-IS1	•	•	2	1.7	3.75	NB SOIC16
Si8605AD-B-IS	•	•	2	1.7	5	WB SOIC16
Si8606AC-B-IS1	•		2	1.7	3.75	NB SOIC16
Si8606AD-B-IS	•		2	1.7	5	WB SOIC16

Isolated Current Sensors

PART NUMBER	FULL SCALE CURRENT (A)	INITIAL ACCURACY %	TEMPERATURE RANGE	OUTPUT MODE	ISOLATION RATING	PIN 7 FUNCTION	PACKAGE
Si8501-B-GM	5	5%	-40 to 125 °C	Single	1 kV rms/ 5 kV rms	Integrator Reset Time Programming Input	QFN12/SOIC20
Si8501-C-IM	5	5%	-40 to 125 °C	Single	1 kV rms	Integrator Reset Time Programming Input	QFN12
Si8501-C-IS	5	5%	-40 to 125 °C	Single	5 kV rms	Integrator Reset Time Programming Input	SOIC20
Si8502-B-GM	10	5%	-40 to 125 °C	Single	1 kV rms/ 5 kV rms	Integrator Reset Time Programming Input	QFN12/SOIC20
Si8502-C-IM	10	5%	-40 to 125 °C	Single	1 kV rms	Integrator Reset Time Programming Input	QFN12
Si8502-C-IS	10	5%	-40 to 125 °C	Single	5 kV rms	Integrator Reset Time Programming Input	SOIC20
Si8503-B-GM	20	5%	-40 to 125 °C	Single	1 kV rms/ 5 kV rms	Integrator Reset Time Programming Input	QFN12/SOIC20
Si8503-C-IM	20	5%	-40 to 125 °C	Single	1 kV rms	Integrator Reset Time Programming Input	QFN12
Si8503-C-IS	20	5%	-40 to 125 °C	Single	5 kV rms	Integrator Reset Time Programming Input	SOIC20
Si8511-B-GM	5	5%	-40 to 125 °C	Ping-Pong	1 kV rms/ 5 kV rms	Integrator Reset Time Programming Input	QFN12/SOIC20
Si8511-C-IM	5	5%	-40 to 125 °C	Ping-Pong	1 kV rms	Integrator Reset Time Programming Input	QFN12
Si8511-C-IS	5	5%	-40 to 125 °C	Ping-Pong	5 kV rms	Integrator Reset Time Programming Input	SOIC20
Si8512-B-GM	10	5%	-40 to 125 °C	Ping-Pong	1 kV rms/ 5 kV rms	Integrator Reset Time Programming Input	SOIC20
Si8512-C-IM	10	5%	-40 to 125 °C	Ping-Pong	1 kV rms	Integrator Reset Time Programming Input	QFN12

PART NUMBER	FULL SCALE CURRENT (A)	INITIAL ACCURACY %	TEMPERATURE RANGE	OUTPUT MODE	ISOLATION RATING	PIN 7 FUNCTION	PACKAGE
Si8512-C-IS	10	5%	-40 to 125 °C	Ping-Pong	5 kV rms	Integrator Reset Time Programming Input	SOIC20
Si8513-B-GM	20	5%	-40 to 125 °C	Ping-Pong	1 kV rms/ 5 kV rms	Integrator Reset Time Programming Input	QFN12/SOIC20
Si8513-C-IM	20	5%	-40 to 125 °C	Ping-Pong	1 kV rms	Integrator Reset Time Programming Input	QFN12
Si8513-C-IS	20	5%	-40 to 125 °C	Ping-Pong	5 kV rms	Integrator Reset Time Programming Input	SOIC20
Si8517-B-GM	5	5%	-40 to 125 °C	Ping-Pong with Fault output	1 kV rms/ 5 kV rms	Fault Output	QFN12/SOIC20
Si8517-C-IM	5	5%	-40 to 125 °C	Ping-Pong	1 kV rms	Fault Output	QFN12
Si8517-C-IS	5	5%	-40 to 125 °C	Ping-Pong	1 kV rms	Fault Output	SOIC20
Si8518-B-GM	10	5%	-40 to 125 °C	Ping-Pong with Fault output	1 kV rms/ 5 kV rms	Fault Output	SOIC20
Si8518-C-IM	10	5%	-40 to 125 °C	Ping-Pong	1 kV rms	Fault Output	QFN12
Si8518-C-IS	10	5%	-40 to 125 °C	Ping-Pong	5 kV rms	Fault Output	SOIC20
Si8519-B-GM	20	5%	-40 to 125 °C	Ping-Pong with Fault output	1 kV rms/ 5 kV rms	Fault Output	SOIC20
Si8519-C-IM	20	5%	-40 to 125 °C	Ping-Pong	1 kV rms	Fault Output	QFN12
Si8519-C-IS	20	5%	-40 to 125 °C	Ping-Pong	5 kV rms	Fault Output	SOIC20
Si8540	0.1 to 10 A	0.2%	-40 to 85 °C	Current	—	—	SOT5

Isolated Gate Drivers

PART NUMBER	INPUT TYPE	OUTPUT CONFIGURATION	OVERLAP PROTECTION/DEAD TIME CONTROL	ISOLATION RATING (OUTPUT-OUTPUT), (VDC)	ISOLATION RATING (INPUT-OUTPUT) (V)	MAXIMUM PROPAGATION DELAY	UVLO VOLTAGE	PEAK OUTPUT CURRENT	PACKAGE
Si8220BB-A-IS	Opto	Single		—	2.5	80	8 V	2.5	SOIC8
Si8220BD-A-IS	Opto	Single		—	5.0	80	8 V	2.5	WB SOIC16
Si8220CB-A-IS	Opto	Single		—	2.5	80	10 V	2.5	SOIC8
Si8220CD-A-IS	Opto	Single		—	5.0	80	10 V	2.5	WB SOIC16
Si8220DB-A-IS	Opto	Single		—	2.5	80	12.5 V	2.5	SOIC8
Si8220DD-A-IS	Opto	Single		—	5.0	80	12.5 V	2.5	WB SOIC16
Si8221CC-A-IS	Opto	Single		—	3.75	80	10 V	0.5	SOIC8
Si8221DC-A-IS	Opto	Single		—	3.75	80	12.5 V	0.5	SOIC8
Si8230AB-B-IS	VIA, VIB	High Side / Low Side	•	3500	2.5	60	5 V	0.5	WB SOIC16
Si8230AB-B-IS1	VIA, VIB	High Side / Low Side	•	3500	2.5	60	5 V	0.5	NB SOIC16
Si8230AD-B-IS	VIA, VIB	High Side / Low Side	•	3500	5.0	60	5 V	0.5	WB SOIC16
Si8230BB-B-IS	VIA, VIB	High Side / Low Side	•	3500	2.5	60	8 V	0.5	WB SOIC16
Si8230BB-B-IS1	VIA, VIB	High Side / Low Side	•	3500	2.5	60	8 V	0.5	NB SOIC16
Si8230BD-B-IS	VIA, VIB	High Side / Low Side	•	3500	5.0	60	8 V	0.5	WB SOIC16
Si8231AB-B-IS	PWM	High Side / Low Side	•	3500	2.5	60	5 V	0.5	WB SOIC16
Si8231AB-B-IS1	PWM	High Side / Low Side	•	3500	2.5	60	5 V	0.5	NB SOIC16
Si8231AD-B-IS	PWM	High Side / Low Side	•	3500	5.0	60	5 V	0.5	WB SOIC16
Si8231BB-B-IS	PWM	High Side / Low Side	•	3500	2.5	60	8 V	0.5	WB SOIC16
Si8231BB-B-IS1	PWM	High Side / Low Side	•	3500	2.5	60	8 V	0.5	NB SOIC16
Si8231BD-B-IS	PWM	High Side / Low Side	•	3500	5.0	60	8 V	0.5	WB SOIC16
Si8232AB-B-IS	VIA, VIB	Dual Driver		3500	2.5	60	5 V	0.5	WB SOIC16
Si8232AB-B-IS1	VIA, VIB	Dual Driver		3500	2.5	60	5 V	0.5	NB SOIC16
Si8232AD-B-IS	VIA, VIB	Dual Driver		3500	5.0	60	5 V	0.5	WB SOIC16
Si8232BB-B-IS	VIA, VIB	Dual Driver		3500	2.5	60	8 V	0.5	WB SOIC16
Si8232BB-B-IS1	VIA, VIB	Dual Driver		3500	2.5	60	8 V	0.5	NB SOIC16
Si8232BD-B-IS	VIA, VIB	Dual Driver		3500	5.0	60	8 V	0.5	WB SOIC16
Si8233AB-C-IM	VIA, VIB	High Side / Low Side	•	900	2.5	60	5 V	4.0	LGA14
Si8233AB-C-IS	VIA, VIB	High Side / Low Side	•	3500	2.5	60	5 V	4.0	WB SOIC16

PART NUMBER	INPUT TYPE	OUTPUT CONFIGURATION	OVERLAP PROTECTION/DEAD-TIME CONTROL	ISOLATION RATING (OUTPUT-OUTPUT), VDC	ISOLATION RATING (INPUT-OUTPUT) (V)	MAXIMUM PROPAGATION DELAY	UVLO VOLTAGE	PEAK OUTPUT CURRENT	PACKAGE
Si8233AB-C-IS1	VIA, VIB	High Side / Low Side	•	3500	2.5	60	5 V	4.0	NB SOIC16
Si8233AD-C-IS	VIA, VIB	High Side / Low Side	•	3500	5.0	60	5 V	4.0	WB SOIC16
Si8233BB-C-IM	VIA, VIB	High Side / Low Side	•	900	2.5	60	8 V	4.0	LGA14
Si8233BB-C-IS	VIA, VIB	High Side / Low Side	•	3500	2.5	60	8 V	4.0	WB SOIC16
Si8233BB-C-IS1	VIA, VIB	High Side / Low Side	•	3500	2.5	60	8 V	4.0	NB SOIC16
Si8233BD-C-IS	VIA, VIB	High Side / Low Side	•	3500	5.0	60	8 V	4.0	WB SOIC16
Si8234AB-C-IM	PWM	High Side / Low Side	•	900	2.5	60	5 V	4.0	LGA14
Si8234AB-C-IS	PWM	High Side / Low Side	•	3500	2.5	60	5 V	4.0	WB SOIC16
Si8234AB-C-IS1	PWM	High Side / Low Side	•	3500	2.5	60	5 V	4.0	NB SOIC16
Si8234AD-C-IS	PWM	High Side / Low Side	•	3500	5.0	60	5 V	4.0	WB SOIC16
Si8234BB-C-IM	PWM	High Side / Low Side	•	900	2.5	60	8 V	4.0	LGA14
Si8234BB-C-IS	PWM	High Side / Low Side	•	3500	2.5	60	8 V	4.0	WB SOIC16
Si8234BB-C-IS1	PWM	High Side / Low Side	•	3500	2.5	60	8 V	4.0	NB SOIC16
Si8234BD-C-IS	PWM	High Side / Low Side	•	3500	5.0	60	8 V	4.0	WB SOIC16
Si8235AB-C-IM	VIA, VIB	Dual Driver		900	2.5	60	5 V	4.0	LGA14
Si8235AB-C-IS	VIA, VIB	Dual Driver		3500	2.5	60	5 V	4.0	WB SOIC16
Si8235AB-C-IS1	VIA, VIB	Dual Driver		3500	2.5	60	5 V	4.0	NB SOIC16
Si8235AD-C-IS	VIA, VIB	Dual Driver		3500	5.0	60	5 V	4.0	WB SOIC16
Si8235BB-C-IM	VIA, VIB	Dual Driver		900	2.5	60	8 V	4.0	LGA14
Si8235BB-C-IS	VIA, VIB	Dual Driver		3500	2.5	60	8 V	4.0	WB SOIC16
Si8235BB-C-IS1	VIA, VIB	Dual Driver		3500	2.5	60	8 V	4.0	NB SOIC16
Si8235BD-C-IS	VIA, VIB	Dual Driver		3500	5.0	60	8 V	4.0	WB SOIC16
Si8236AA-C-IM	VIA, VIB	Dual Driver		—	1.5	60	5 V	4.0	LGA14
Si8236BA-C-IM	VIA, VIB	Dual Driver		—	1.5	60	8 V	4.0	LGA14

Isolated AC Mains Monitor

PART NUMBER	FULL SCALE CURRENT (A)	INITIAL ACCURACY	TEMPERATURE RANGE	ISOLATION RATING	SERIAL PORT	PACKAGE
Si8900B-A01-GS	10 A	10-bit	-40 to 85 °C	2.5 kV rms	UART	WB SOIC16
Si8900D-A01-GS	10 A	10-bit	-40 to 85 °C	5 kV rms	UART	WB SOIC16
Si8901B-A01-GS	10 A	10-bit	-40 to 85 °C	2.5 kV rms	I ² C/SMBus	WB SOIC16
Si8901D-A01-GS	10 A	10-bit	-40 to 85 °C	5 kV rms	I ² C/SMBus	WB SOIC16
Si8902B-A01-GS	10 A	10-bit	-40 to 85 °C	2.5 kV rms	I ² C/SMBus	WB SOIC16
Si8902D-A01-GS	10 A	10-bit	-40 to 85 °C	5 kV rms	—	WB SOIC16

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TESTING AGENCY	STANDARD	ISOLATION RATING(S) (kVrms)	DIGITAL ISOLATORS (UNI- AND BIDIRECTIONAL)	ISOdrivers	AC CURRENT SENSORS
			Si84xx/S46xx	Si823x	Si850x, Si851x
UL	UL 1577	2.5, 5.0 kVrms	•	•	•
CSA	CSA 5A (60950, 61010, 60601)	2.5, 5.0 kVrms	•	•	•
VDE	IEC 60747-5-2, 60950*	2.5, 5.0 kVrms	•	•	

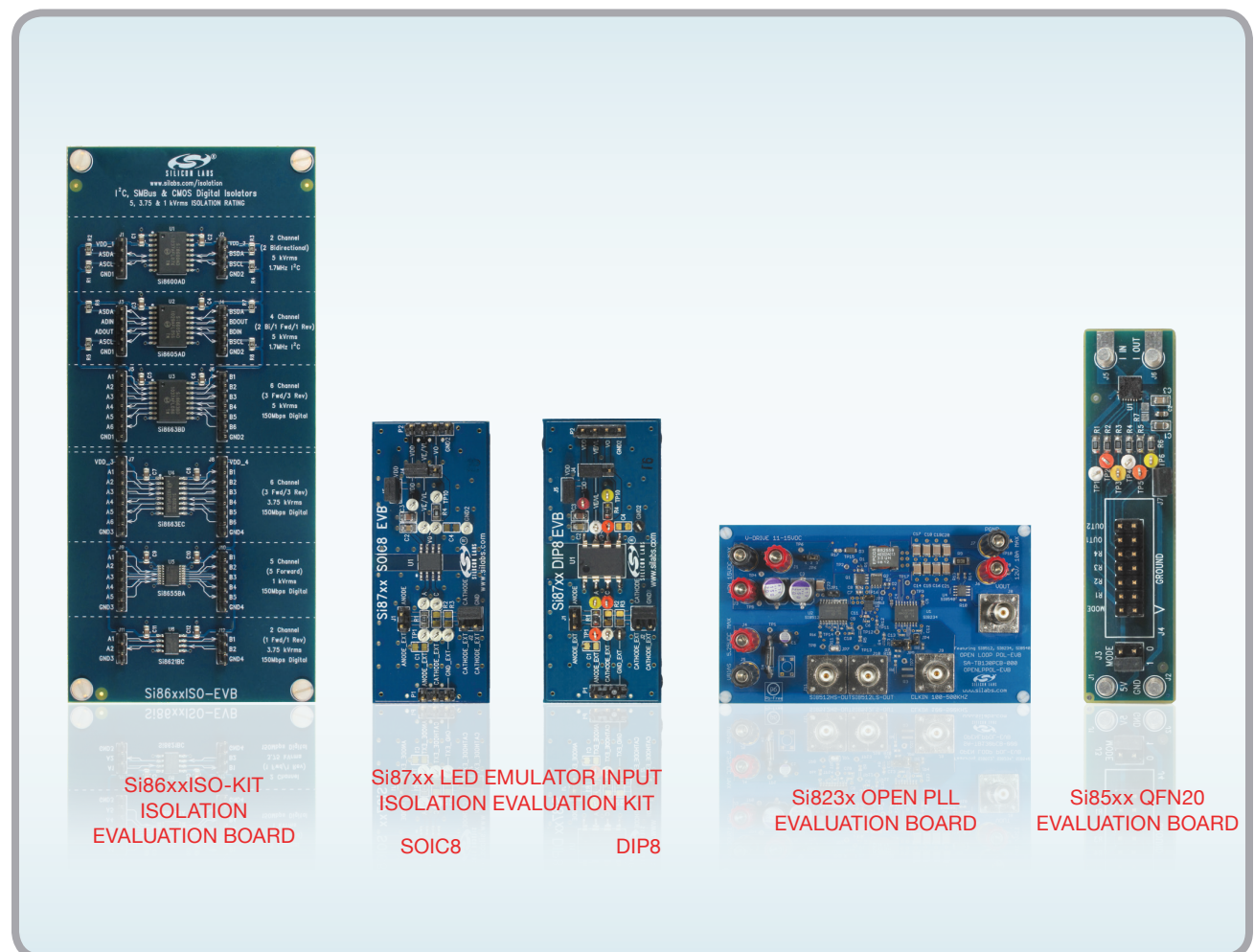
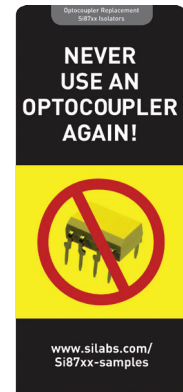
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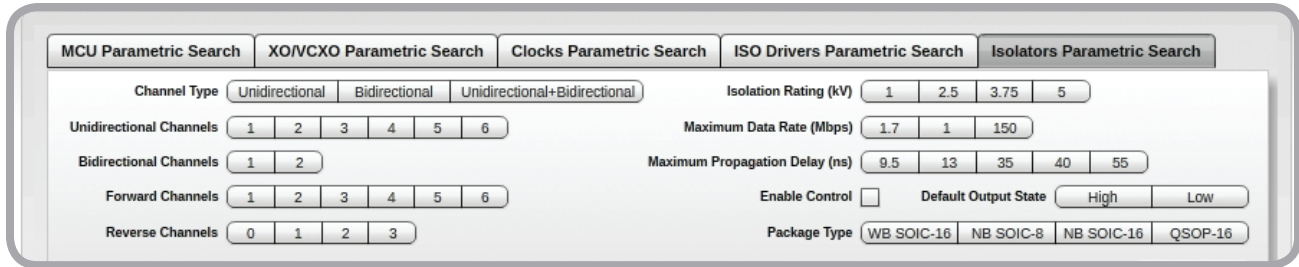
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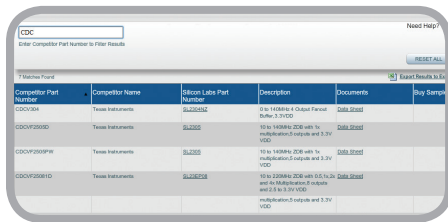


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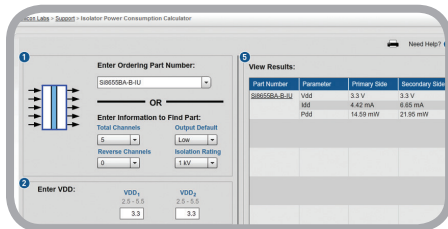
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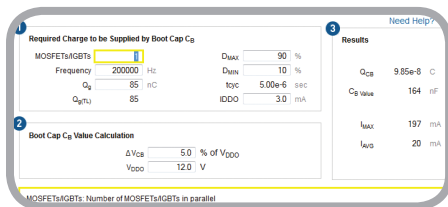
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Isolator Power Consumption Calculator

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.

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Isolation Bootstrap Calculator

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