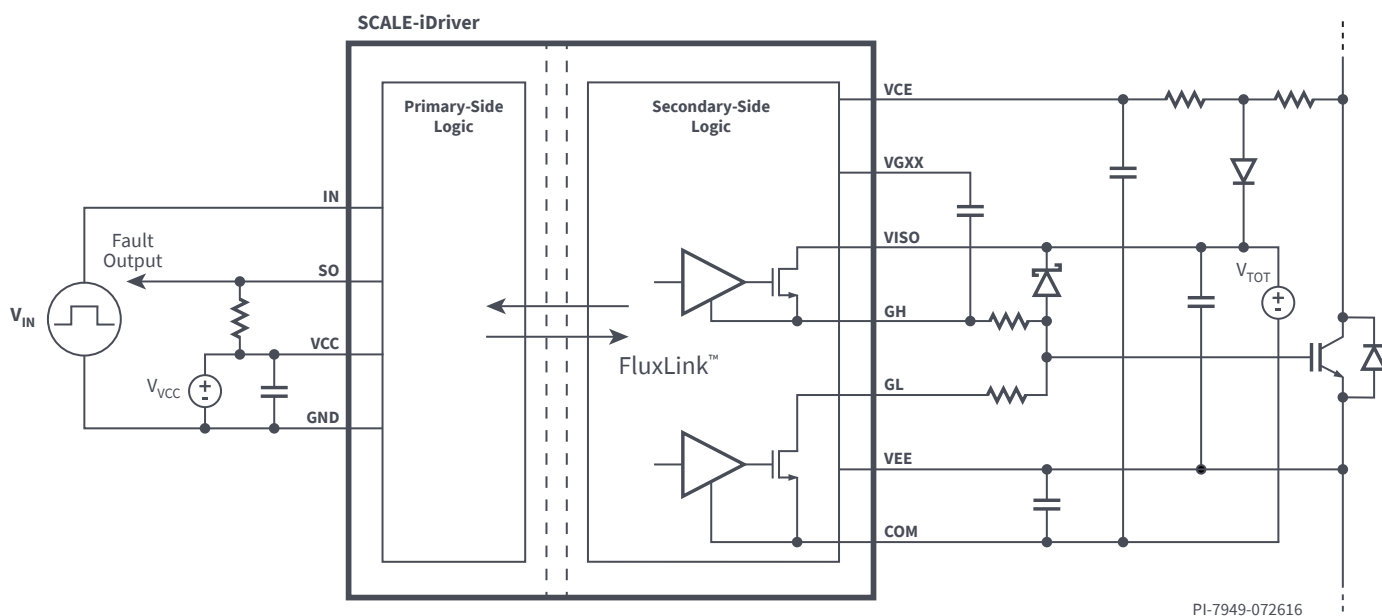


SCALE-iDriver™

- AEC-Q100 qualified
- Drives 650 V, 750 V and 1200 V automotive IGBT and SiC-MOSFET modules
- 1200 V reinforced isolation up to 5000 m
- 9.5 mm creepage and low profile 2.67 mm packaging
- Bi-directional communication

Single-Channel IGBT / MOSFET Gate Driver with Reinforced Isolation



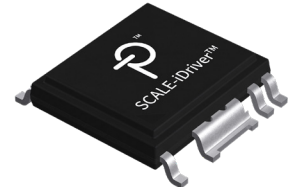
Applications

- Traction inverters
- DC-DC converters
- Electric vehicle on-board chargers and charger stations

Output Power

Optimized for IGBT

Part Number	Peak Output Current (A)	Switch Rating (V)
SID1132KQ	2.5	1200
SID1181KQ	8.0	750
SID1182KQ	8.0	1200



eSOP™-R16B Package

Optimized for SiC MOSFET

Part Number	Peak Output Current (A)	Switch Rating (V)
SIC1181KQ	8.0	750
SIC1182KQ	8.0	1200

Design Support

Data Sheet	SCALE-iDriver data sheet - Optimized for IGBT (SID11x2KQ) (www.power.com/sid11x2kq-data-sheet)
Data Sheet	SCALE-iDriver data sheet - Optimized for IGBT (SID1181KQ) (www.power.com/sid1181kq-data-sheet)
Data Sheet	SCALE-iDriver data sheet - Optimized for SiC MOSFET (SIC118xKQ) (www.power.com/sic118xkq-data-sheet)
Application Note	Controlling SiC MOSFET power switches with SCALE-2 and SCALE-2+ gate driver cores and SCALE-iDriver gate driver ICs (AN-1601) (www.power.com/an-1601)
Video	An introduction to SCALE-iDriver (www.power.com/scale-idriver-video)