



Advanced IGBT/SiC Gate Driver with Adjustable Dynamic Gate Strength

GD3162

Preproduction

This page contains information on a preproduction product. Specifications and information herein are subject to change without notice. For additional information [contact support](#) or your sales representative.

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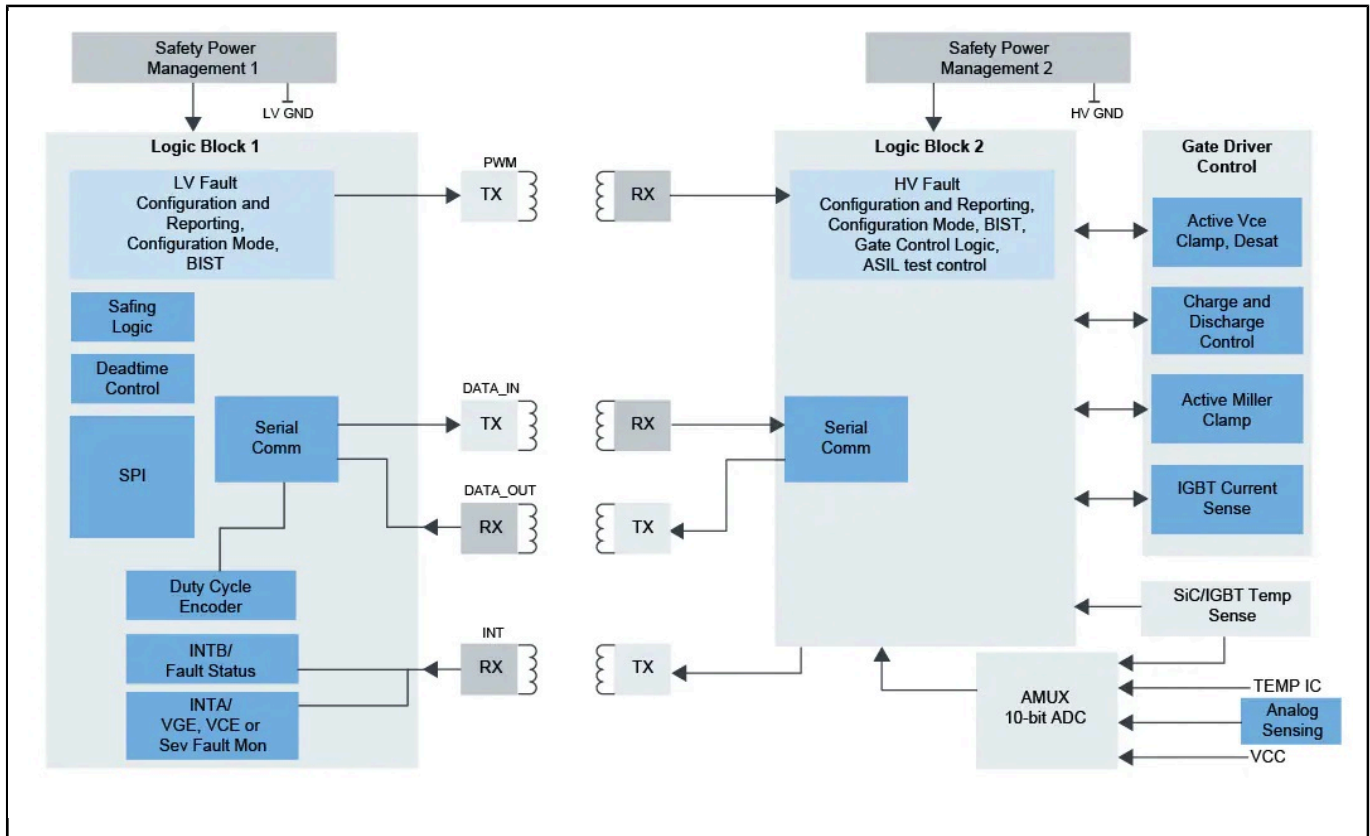
The GD3162 is an advanced, galvanically-isolated, single-channel gate driver designed to drive the latest SiC and IGBT modules for xEV traction inverters.

The GD3162 offers an adjustable dynamic gate strength drive via a programmable interface over SPI. In addition, advanced programmable protection features are autonomously managed as faults and the status of the power device and gate driver are reported via the interrupt pins.

The GD3162 is designed for high-functional safety integrity level systems (ASIL C/D) and meets the stringent requirements of automotive applications, being fully AEC-Q100 grade 1 qualified.

GD3162 silicon and enablement (documentation, software and boards) are available for selected customers (NDA required). Please contact your local NXP sales representative for more information.

GD3162 Block Diagram Block Diagram



View additional information for [Advanced IGBT/SiC Gate Driver with Adjustable Dynamic Gate Strength](#).

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