3 Phase Inverter Reference Design Using the GD3162 Gate Drive Devices with Mitsubishi® SiC Power Module

RDGD3162MITEVM

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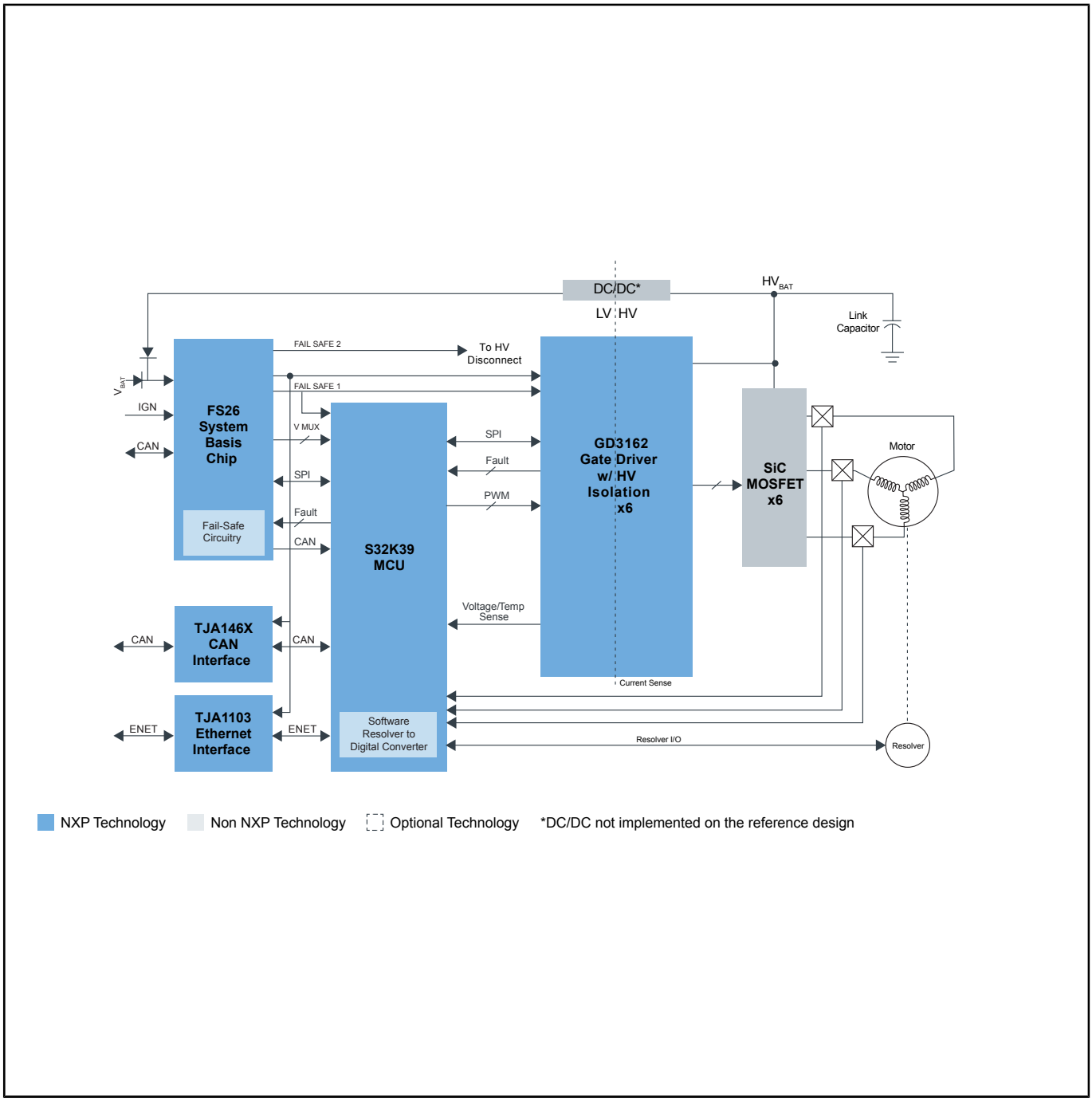
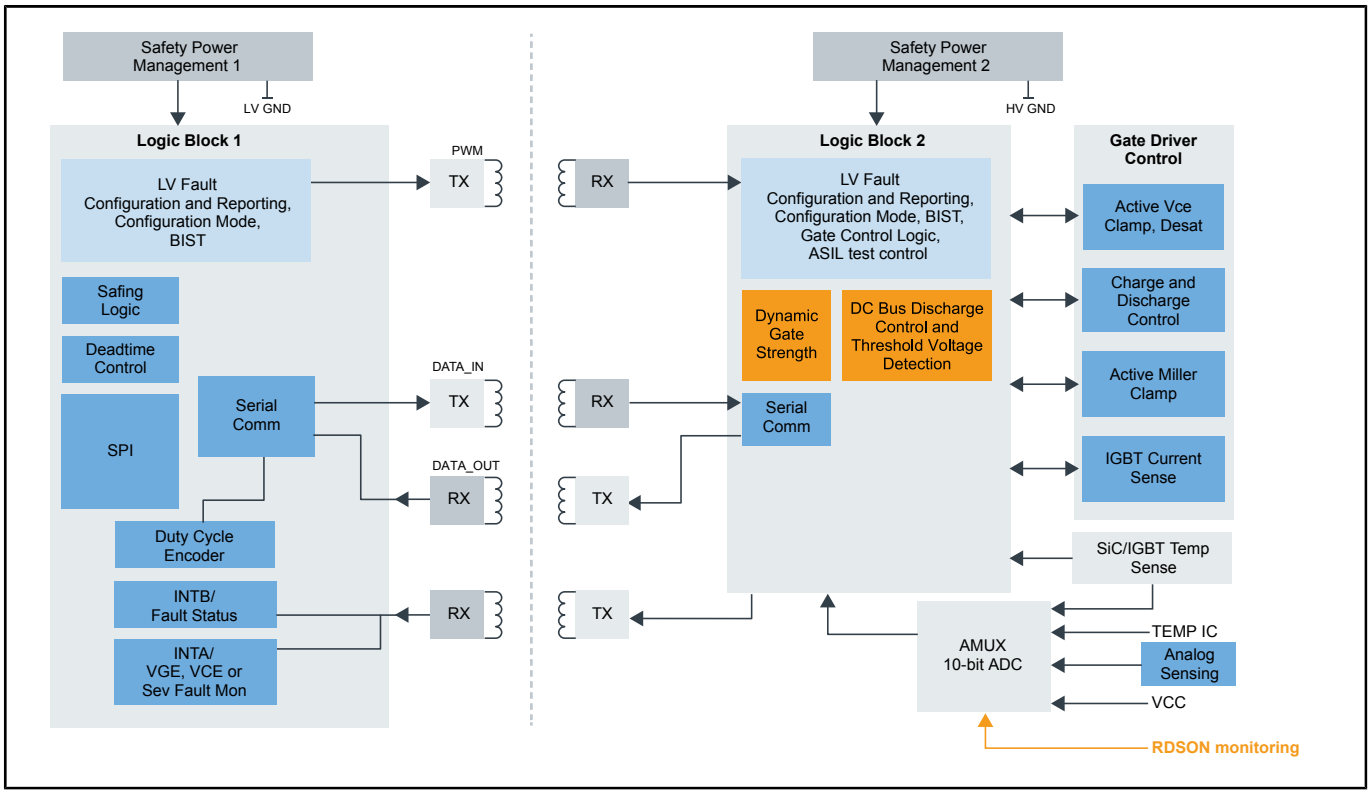
Available to selected customers only (nondisclosure agreement (NDA) required), please contact your local NXP sales representative for more information.

The RDGD3162MITEVM three-phase inverter is a functional hardware power inverter reference design, which can be used as a foundation to develop a complete ASIL D compliant high-voltage, high-power traction motor inverter for electric vehicles. This inverter is compatible with the Mitsubishi CTF700CJ3D130 SiC power module.

EV-POWEREVBHD2 Block Diagram



GD3162 Block Diagram



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