MPC5775B BMS and VCU Reference Design

RDVCU5775EVM

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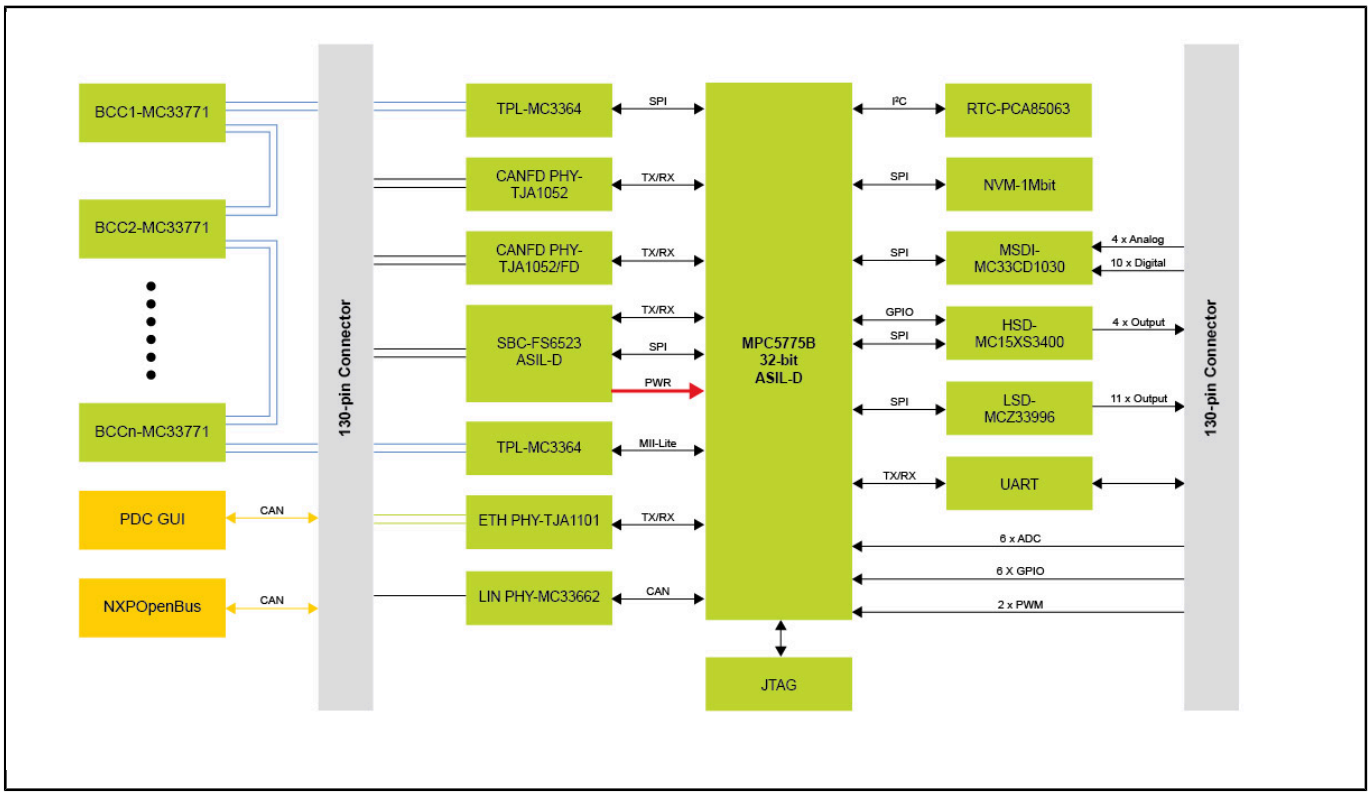
The RDVCU5775EVM is an out-of-the-box, proven-concept and cost-effective reference design engineered to integrate battery management system (BMS) and vehicle control unit (VCU) high-voltage functionalities, plus direct powertrain system to domain controller up to ISO 26262 ASIL D automotive applications.

Based on the 32-bit Power Architecture® MPC5775B MCU, the FS6523 functional safety power SBC, and the MC33664 high-speed transform physical layer (TPL) network, the RDVCU5775EVM supports the MC3377x battery cell controller EVB daisy chain and the CD1030 33-channel multiple switch detection interface (MSDI) with programmable current.

MPC5775B BMS and VCU reference design - Block Diagram Block Diagram



View additional information for MPC5775B BMS and VCU Reference Design.

Note: The information on this document is subject to change without notice.