



通用**BMS**通信网关与**EIS**同步控制器

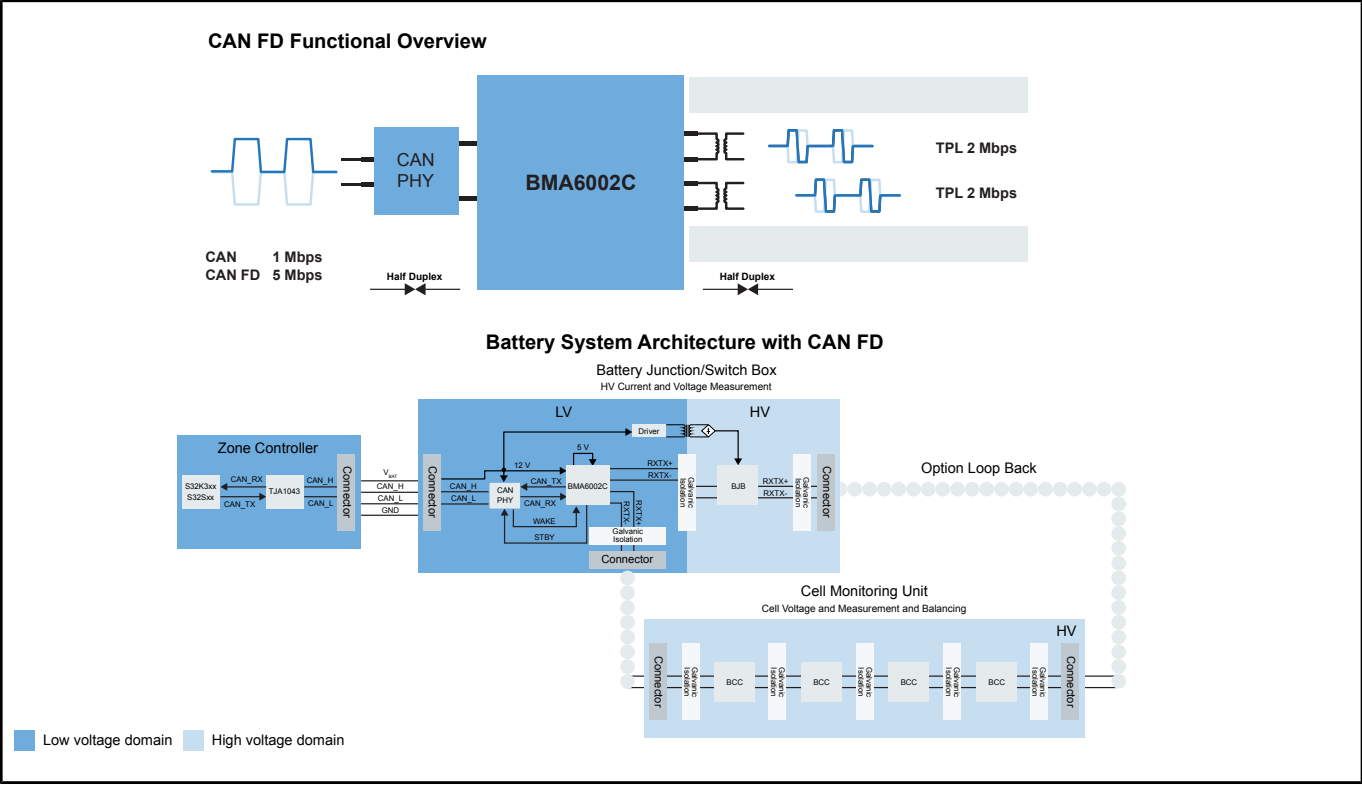
BMX6X02

Last Updated: Nov 24, 2025

BMA6002是一款电池管理通信网关兼**TPL**收发器，用于桥接**SPI**或**CAN FD**与**TPL**。它配备两个隔离**TPL**端口和一个用于外部控制的串行接口，支持实现菊花链式**BMS**通信。**BMI6002**是专为工业环境定制的网关。

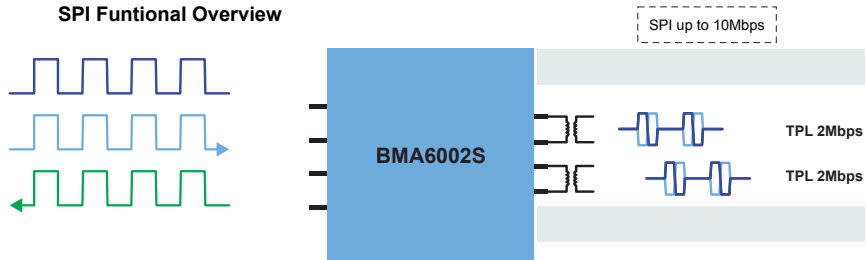
BMA6402是一款双通道**TPL**收发器，旨在作为**EIS**电池管理系统中的同步控制器。精确的**EIS**测量要求在不同时钟域之间实现精准同步，以防阻抗测量出现误差。**BMA6402**采用锁频环(**FLL**)技术，可在多个芯片与通道间实现纳秒级同步。这确保了无论电池尺寸或系统规模如何，都能实现准确的阻抗测量。

BMA6002C Block Diagram

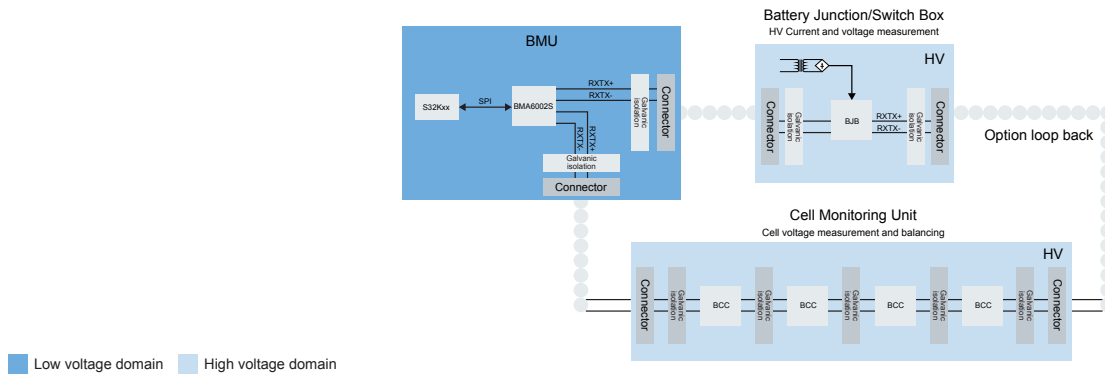


BMA6002S Block Diagram

SPI Functional Overview

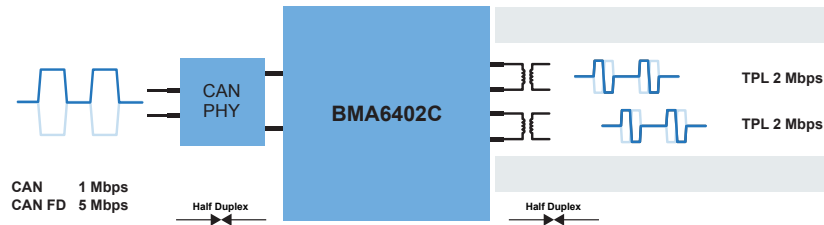


Battery System Architecture with SPI

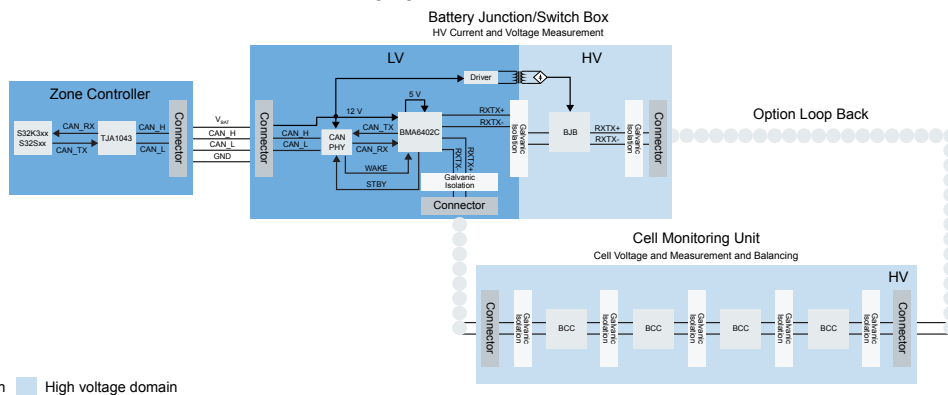


BMA6402C Block Diagram

CAN FD Functional Overview

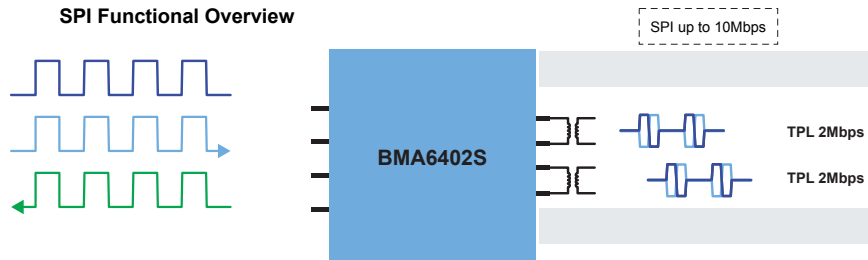


Battery System Architecture with CAN FD

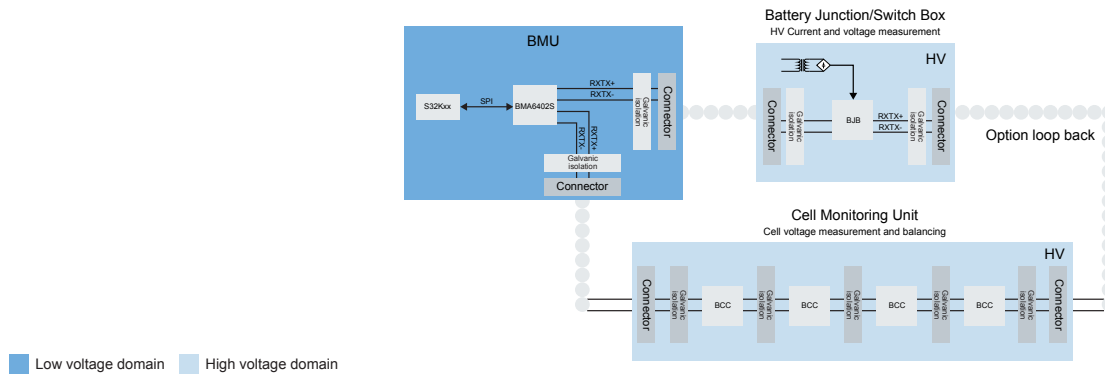


BMA6402S Block Diagram

SPI Functional Overview



Battery System Architecture with SPI



View additional information for [通用BMS通信网关与EIS同步控制器](#).

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