



MC33777 Battery Junction Box Reference Design

RDA777T

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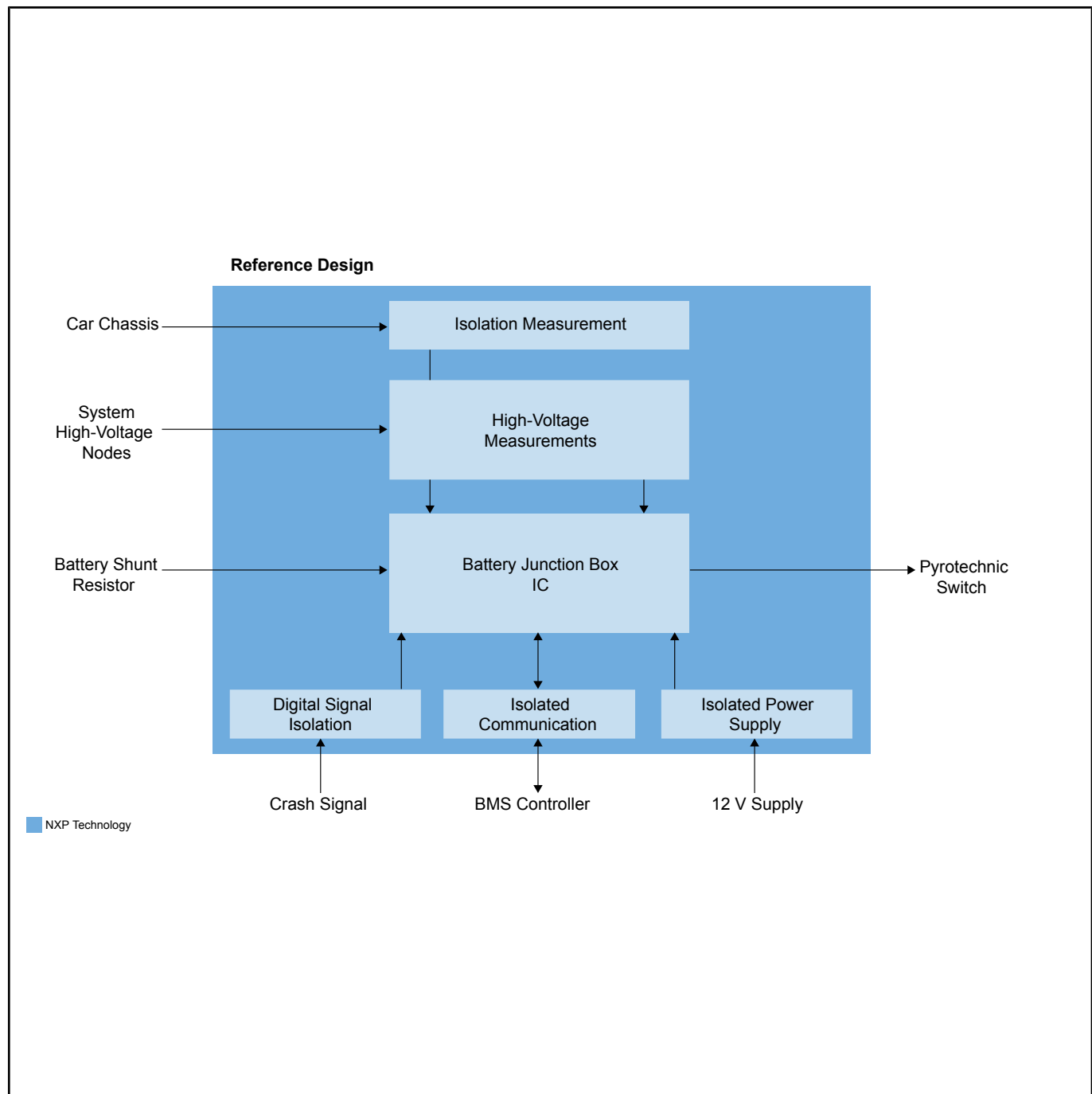
The RDA777T is the official MC33777 reference design.

- The RDA777T2 integrates the MC33777A
- The RDA777T3 integrates the MC33777B

This reference design enables rapid prototyping of battery junction box (BJB) solutions for automotive and industrial applications. The MC33777 supports ASIL D - capable current measurement, high accuracy voltage measurement and pyrotechnic switch control, making it suitable for safety critical battery architectures.

The RDA777T showcases a typical MC33777 system implementation designed to meet automotive constraints. Communication is implemented through an isolated daisy chain interface, simplifying integration into high-voltage battery systems.

RDA777T Block Diagram



View additional information for [MC33777 Battery Junction Box Reference Design](#).

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