



RD33771-48VEVM Reference Design

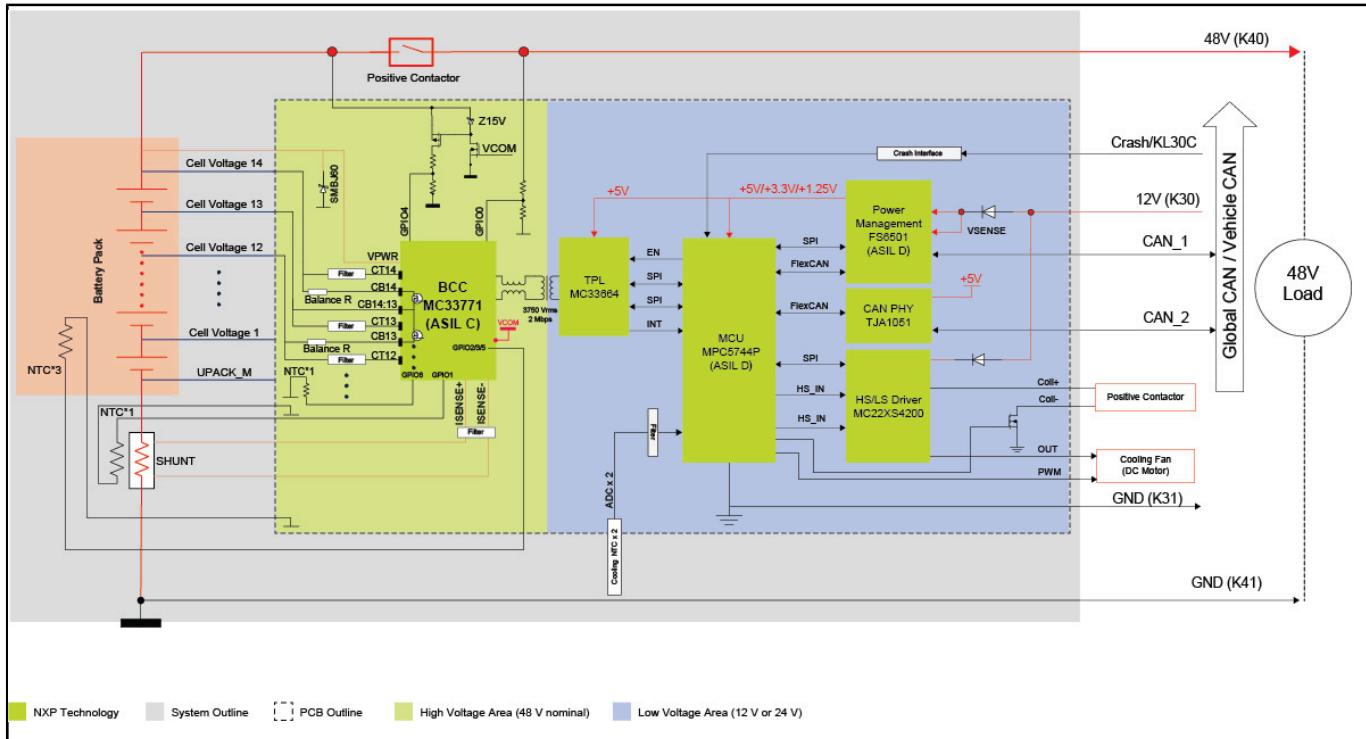
RD33771-48VEVM

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This reference design board provides a solution for 48 V BMS in vehicles with the following features:

- Powerful SBC ([FS6501](#)) as power supply and microcontroller ([MPC574xP](#))
- Up to 14 lithium-ion battery cell voltage sensing
- Current sensing with onboard SHUNT resistor
- Six channels temperature measurement by external NTC, four channels from AFE and two channels from MCU ADC
- One channel temperature measurement by onboard NTC for cell balancing resistor area
- See the Technical and Functional Specifications section below for more features

48V battery management Block Diagram



[View additional information for RD33771-48VEVM Reference Design.](#)

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

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