



# Battery Sensor with CAN and LIN

## MM9Z1\_638

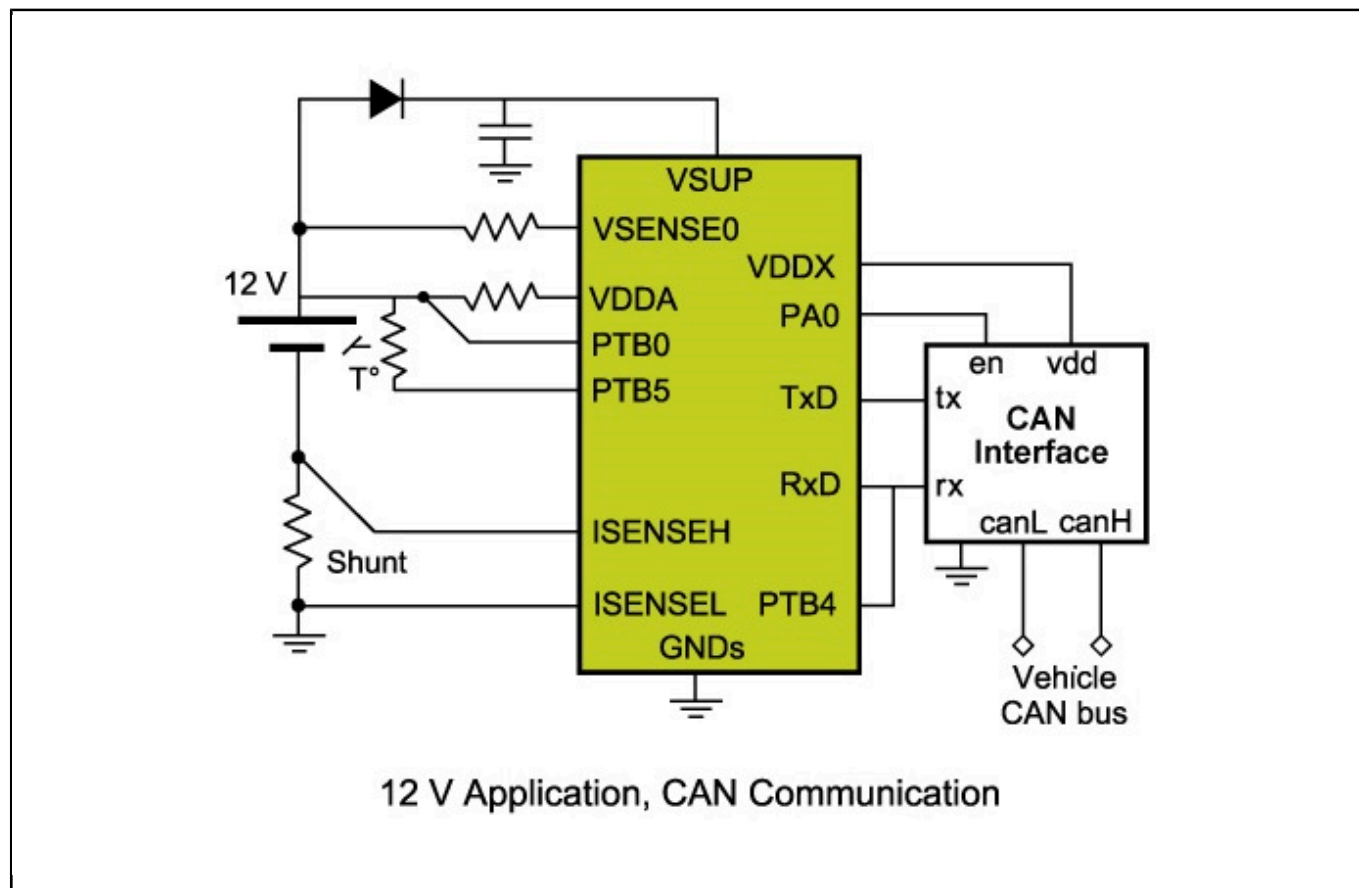
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MM9Z1J638BM2EP and MM9Z1I638BM2EP are no longer recommended for new designs. Kindly refer to compatible replacement parts MM9Z1J638TM5EP and MM9Z1I638TM5EP.

The NXP MM9Z1\_638 is a fully integrated battery monitoring device, featuring:

- Support of precise current measurement via an external shunt resistor
- Four voltage measurement via an internal calibrated resistor divider or use of an external divider
- An internal temperature sensor, allowing close proximity battery temperature measurements, plus four external temperature sensor inputs
- LIN 2.2 protocol and physical interface and an MSCAN protocol controller for interfacing to automotive buses

## MM9Z1 Block Diagram



View additional information for [Battery Sensor with CAN and LIN](#).

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

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