



Single-Wire Can Transceiver

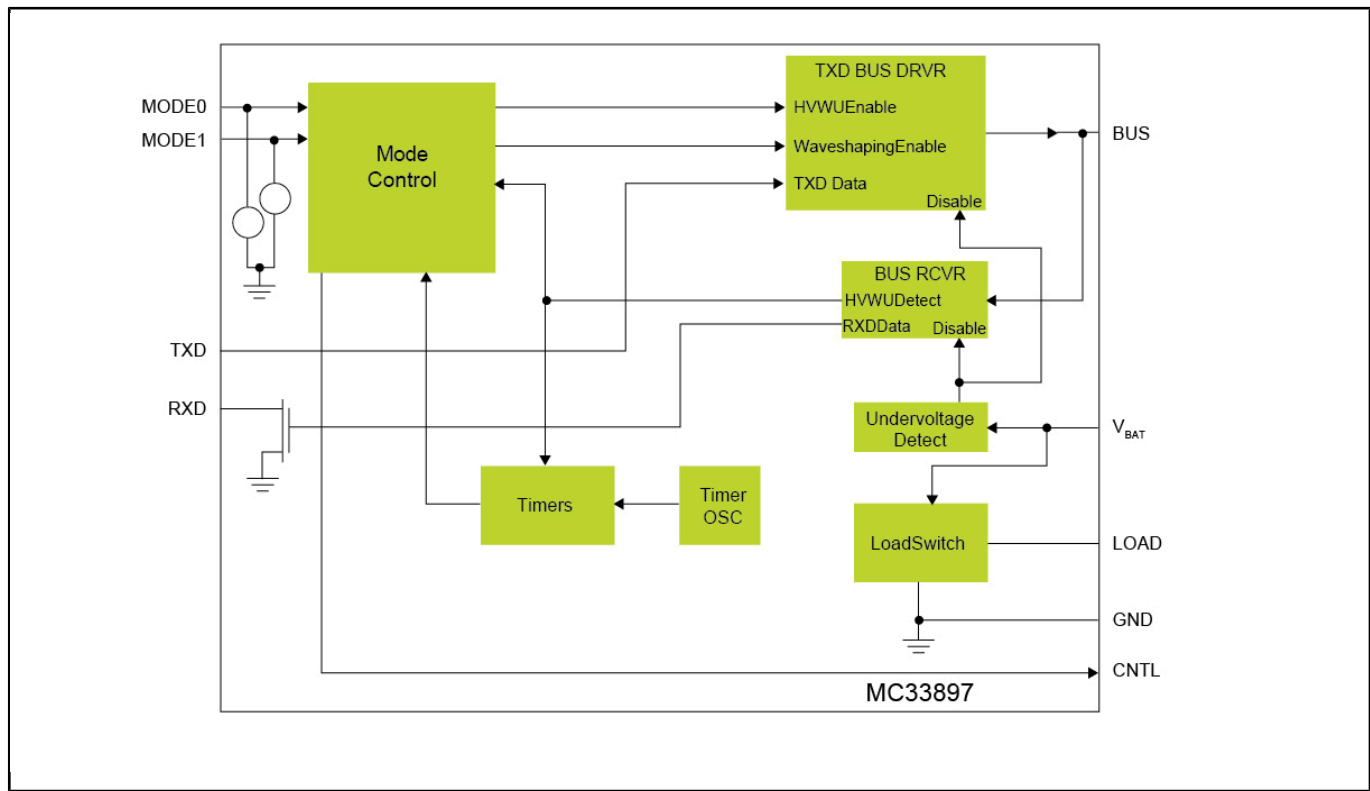
MC33897

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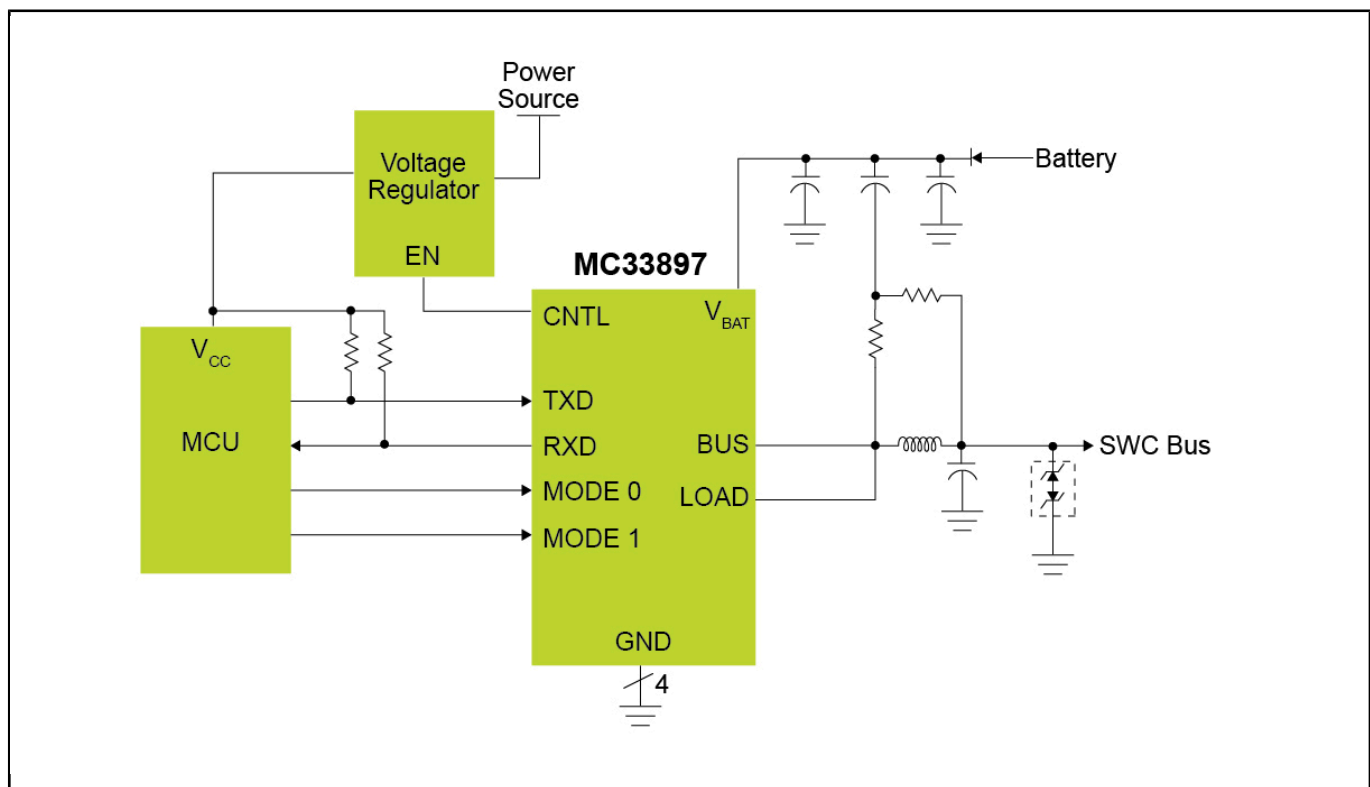
The NXP® MC33897 series provides a physical layer for digital communication using a Carrier Sense Multiple Access/Collision Resolution (CSMA/CR) data link operating over a single wire medium. This is commonly referred to as single-wire Controller Area Network (SWCAN).

- CAN bus operates with a single wire
- Operates directly from a vehicle's 12 V battery system or a broad range of DC-power sources at low or high (33.33 kbps or 83.33 kbps) data rates
- A high-voltage wake-up feature allows the device to control the regulator used in support of the MCU and other logic
- Complies with the GMW3089v2.4 General Motors Corporation specification

MC33897 Block Diagram



MC33897 Application Block Diagram



View additional information for [Single-Wire Can Transceiver](#).

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

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