



# H-Bridge Motor Driver, 5-28 V, 5 A, 11 kHz

## MC33932

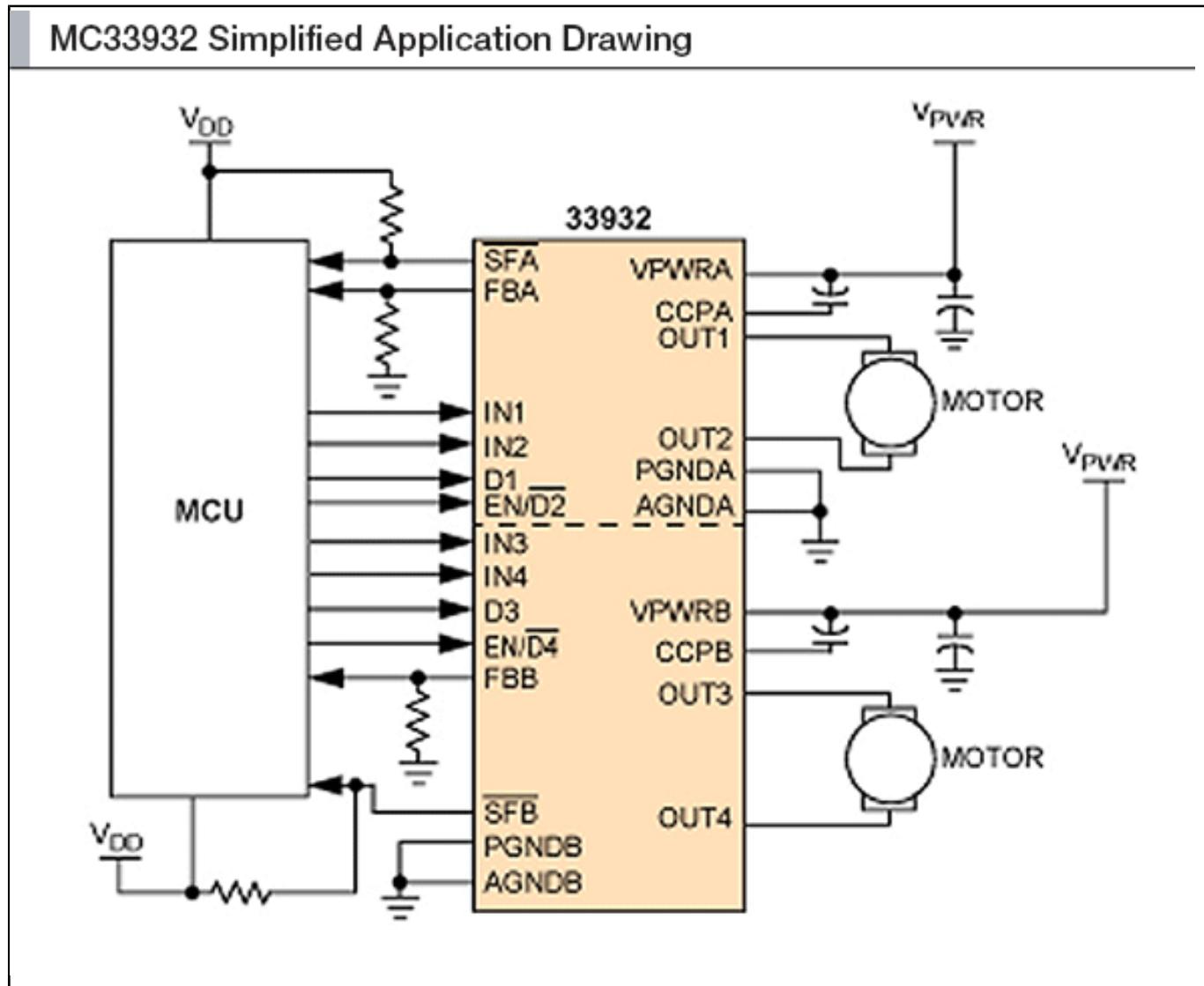
Last Updated: Dec 23, 2025

The NXP® MC33932 has two independent monolithic H-Bridge power ICs in a robust thermally enhanced package.

- Designed primarily for automotive electronic throttle control, but are applicable to any low-voltage DC servo motor control application within the current and voltage limits stated in this specification
- Each H-bridge in the MC33932 is able to control inductive loads with currents up to 5.0 A peak
- RMS current capability is subject to the degree of heatsinking provided to the device package
- Internal peak-current limiting (regulation) is activated at load currents above  $6.5\text{ A} \pm 1.5\text{ A}$ .
- Output loads can be pulse width modulated at frequencies up to 11 kHz
- [Processor Expert® component for medium voltage H-Bridge](#) products enables rapid embedded application development.

[View internal diagram](#)

## MC33932 Simplified Application Drawing Block Diagram



View additional information for [H-Bridge Motor Driver, 5-28 V, 5 A, 11 kHz](#).

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