



MC34931/S H-Bridge, Brushed DC Motor Driver, 5-36 V, 5 A, 11 kHz/20 kHz

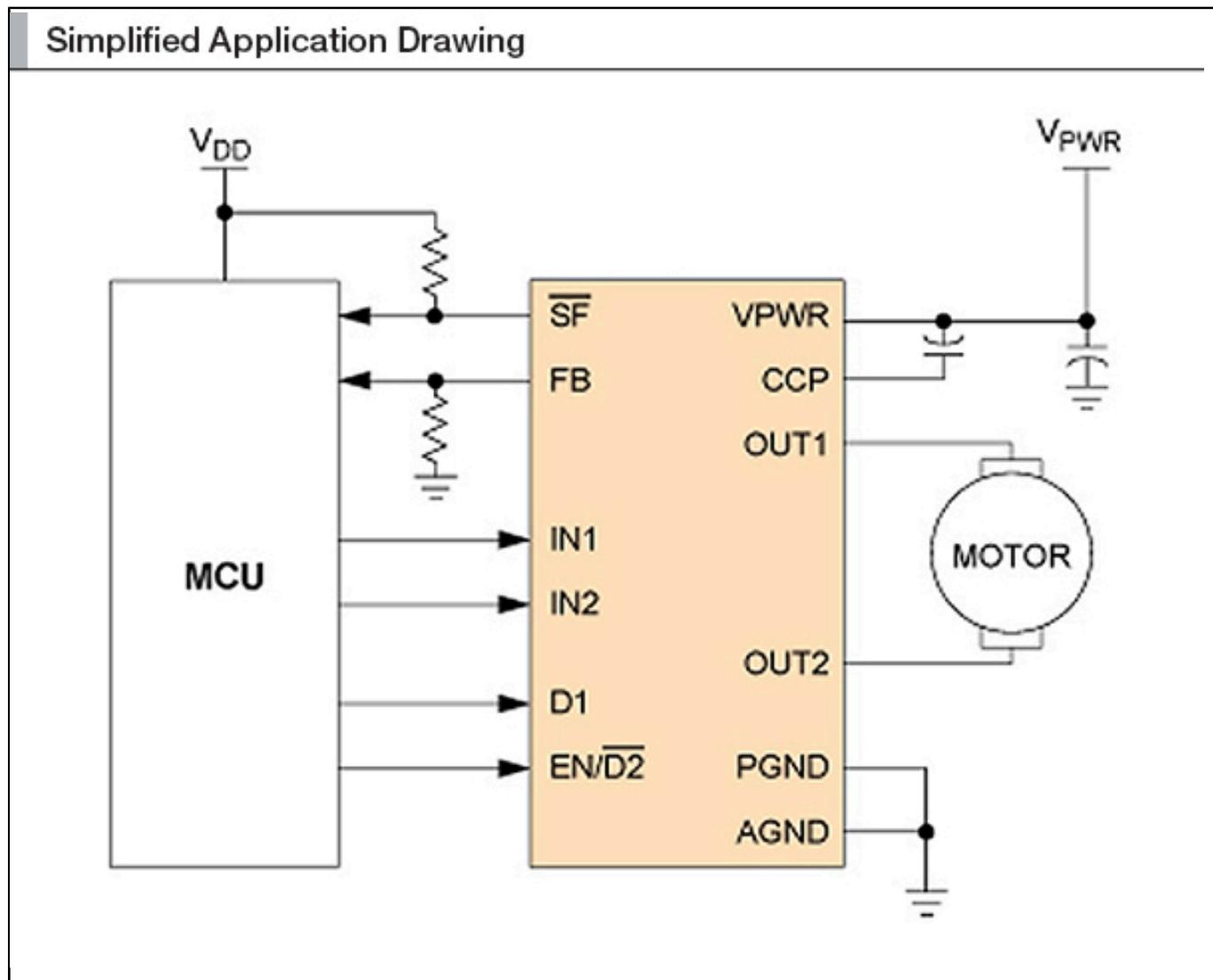
MC34931

Last Updated: Dec 24, 2025

The NXP MC34931 is a monolithic, thermally efficient 36 V/ 5 A H-Bridge DC motor driver.

- Features real-time load current monitoring and automatic thermal back-off ensuring high availability operation in demanding high-current, high-temperature industrial applications
- Designed primarily for DC brushed and servo motor driver applications within the current and voltage limits stated in this specification
- Powered by SMARTMOS® technology
- [Processor Expert® component for medium voltage H-Bridge](#) products enables rapid embedded application development.

MC34931/S H-Bridge Block Diagram



View additional information for [MC34931/S H-Bridge, Brushed DC Motor Driver, 5-36 V, 5 A, 11 kHz/20 kHz](#).

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