H-Bridge, Brushed DC Motor Driver, 5-28 V, 5 A, 10 kHz

MC33887

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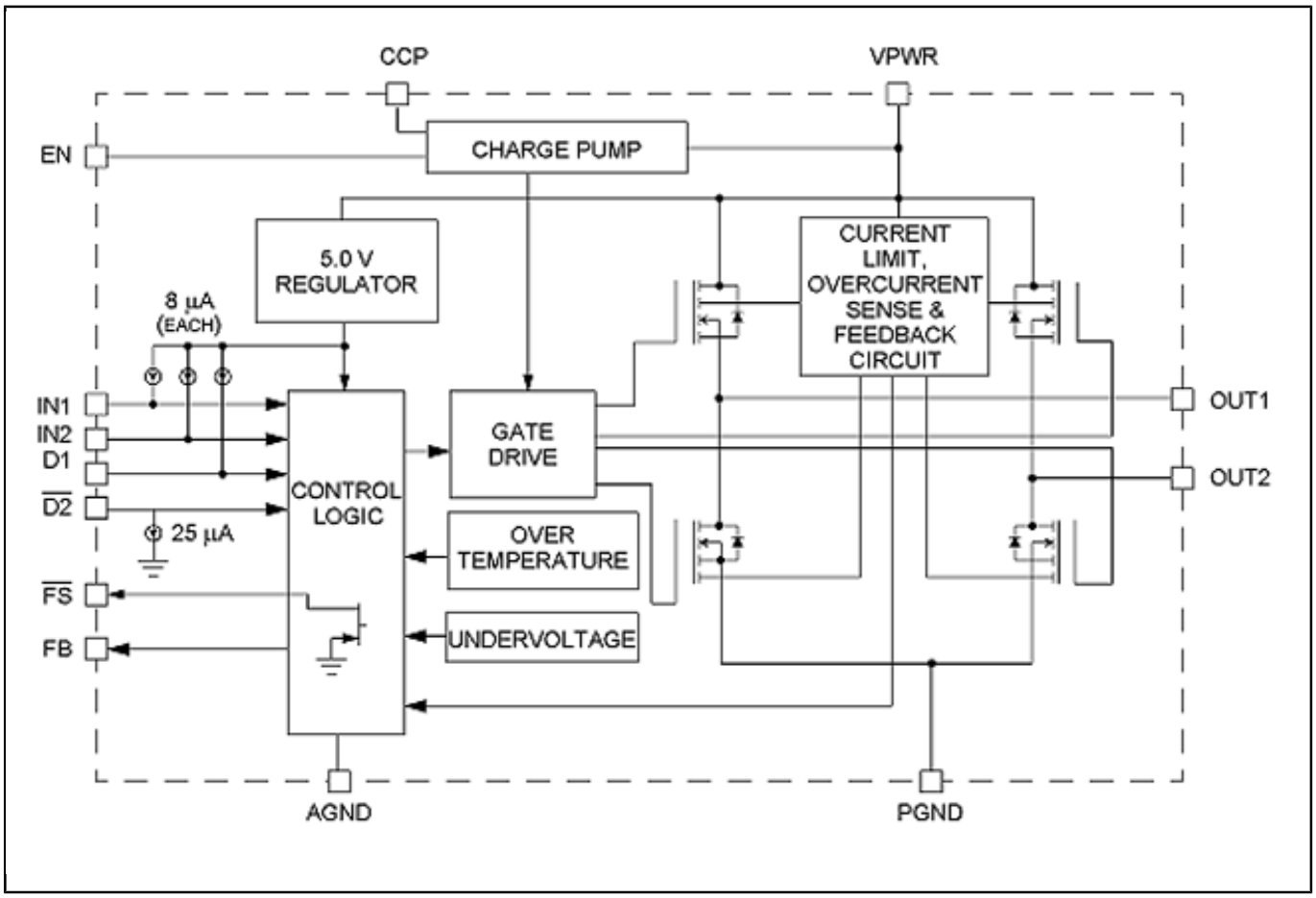
The NXP® MC33887 is a monolithic H-Bridge power IC with a load current feedback feature making it ideal for closed-loop DC motor control.

- The IC incorporates internal control logic, charge pump, gate drive, and low RDS(ON) MOSFET output circuitry
- Able to control inductive loads with continuous DC load currents up to 5.0 A, and with peak current active limiting between 5.2 A and 7.8 A
- Output loads can be pulse width modulated at frequencies up to 10 kHzdervoltage, overtemperature, and overcurrent conditions are detected and reported via a status flag output
- The load current feedback feature provides a proportional constant-current output suitable for monitoring by a MCU's A/D input, which facilitates the design of closed-loop torque/speed control as well as open load detection

NXP MC33887 Power Actuation Block Diagram



View additional information for H-Bridge, Brushed DC Motor Driver, 5-28 V, 5 A, 10 kHz.

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