



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

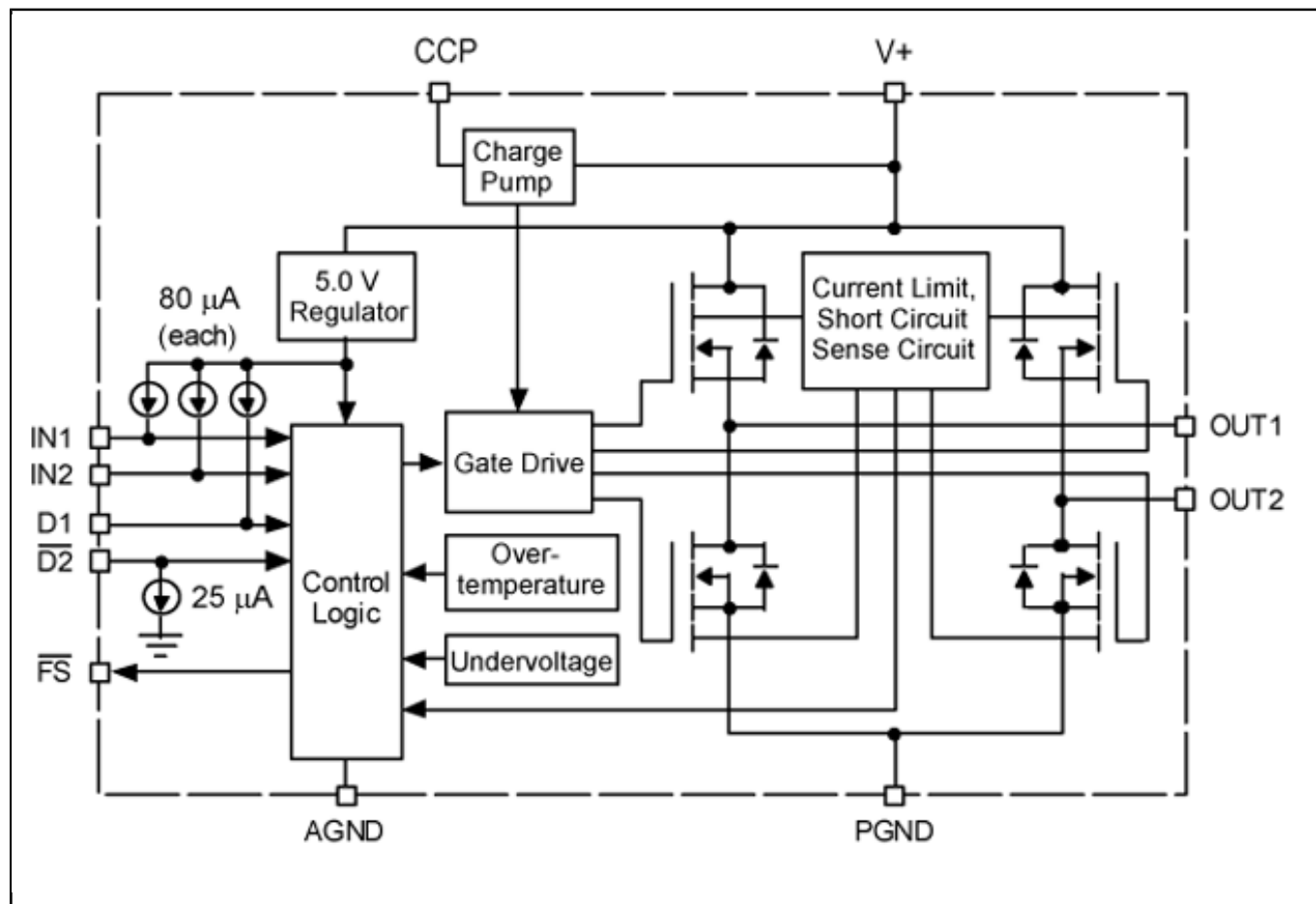
## MC33886

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The NXP® MC33886 is a monolithic power IC comprising control logic, charge pump, gate drive, and low RDS(ON)MOSFET output H-Bridge circuitry in a small surface mount package.

- Six integrated low side drivers, three pre-drivers, a variable reluctance sensor input circuit, a voltage pre-regulator using an external pass transistor and two 5.0 volt internal regulators, one for the MCU VCC supply and one for use as a protected sensor supply
- The current drive can be pulse-width modulated at frequencies to 10 kHz
- Undervoltage, overtemperature, and overcurrent conditions are detected and reported via a status flag output
- Typical applications include: DC-motor acme lead screw actuators, servo gear actuators, bi-directional thrust solenoids, and fractional horsepower DC-motor control
- The KIT33887EKEVBE is the recommended evaluation board for the MC33886

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

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