



# H-Bridge, Brushed DC Motor Driver, 2-15 V, 3.8 A, 200 kHz

## MPC17510

### Archived

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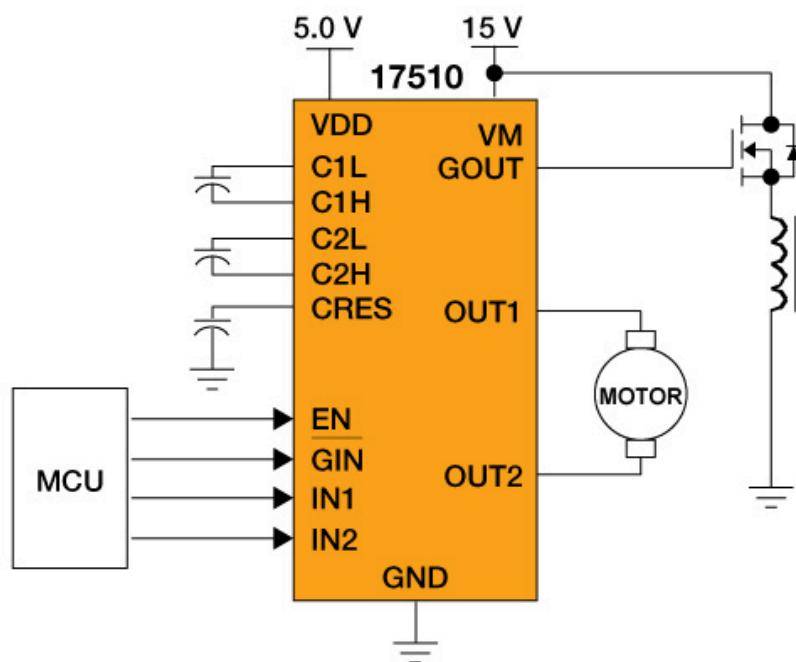
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The NXP® MPC17510 is a monolithic H-Bridge motor driver that is ideal for portable electronic applications to control small Brush DC-motors such as digital still and single lens cameras.

- 2 V to 15 V H-Bridge motor driver with enable and tri-state bridge control via a parallel MCU interface
- The IC has low ON-resistance of 0.55 Ohm (max.) and the drivers can be PWM-ed at 200 kHz control frequency
- Contains an integrated charge pump and level shifter (for gate drive voltages), in addition to integrated shoot through current protection and undervoltage circuit detector to avoid malfunction
- The MPC17510 can control 4 output modes: Forward, Reverse, Brake, Tri-state (Open)

## H-Bridge, Brushed DC Motor Driver, 2-15V, 3.8A, 200kHz Block Diagram

### Simplified Application Diagram



View additional information for [H-Bridge, Brushed DC Motor Driver, 2-15 V, 3.8 A, 200 kHz](#).

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

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