

MPC5643L 3-phase BLDC Development Kit

MTRCKTDBN5643L

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The NXP® MTRCKTDBN5643L motor control development kit is ideal for sensorless applications requiring two BLDC motors, like HVAC or electric pumps.

Designed to enable rapid prototyping and evaluation of the motor control application without having to wait for the final hardware design, the kit includes a 32-bit NXP [MPC5643L](#) based controller board and a 3-phase low-voltage power stage board.

The application software provides a complete reference implementation of the BLDC motor control application and also takes advantage of the Automotive Math and Motor Control Library Set.

Motor Control Algorithm Concept Block Diagram



View additional information for [MPC5643L 3-phase BLDC Development Kit](#).

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

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