

# BOOSTXL-DRV3245AQ1

## Automotive 3-Phase Motor Gate Driver Evaluation Module

### Product Overview

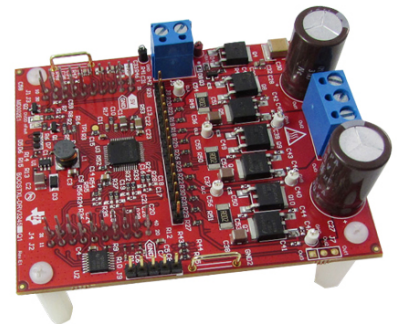
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## Description

Texas Instruments BOOSTXL-DRV3245AQ1 Evaluation Module (EVM) helps designers to evaluate the operation and performance of the DRV3245AQPHPRQ1 motor gate driver. The DRV3245AQPHPRQ1 driver is intended for high-temperature automotive applications and is designed accordingly to the applicable requirements of ISO 26262 for functional safety applications.

The BOOSTXL-DRV3245AQ1 EVM utilizes a compact and modular form for ease of use. This module is designed to dock with compatible TI Launchpads for a complete motor control system. The device together with an MCU offers flexible configurability and can run a motor through an easy-to-use Graphical User Interface (GUI).



## Features

- Operating supply voltage as low as 4.5V and 45V Abs Max.
- Protected phase voltages provided to header pins through divider
- Six N-Channel MOSFETs with low side current monitoring through on board shunt resistors and reverse polarity protection
- Connector available for Hall or Encoder sensor input
- Compatible with Hercules LAUNCHXL2-TMS57012 Launchpad and many other TI Launchpads

## Mouser Part Number(s)

[BOOSTXL-DRV3245AQ1](#)

To learn more, visit <https://www.mouser.com/new/texas-instruments/ti-boostxl-drv3245aq1-eval-module/>