

# IX4351NE Evaluation Board

## Problem/Solution

The IX4351-EVAL Board contains all the necessary circuitry to demonstrate how the IX4351NE SiC MOSFET gate driver IC solves many of issues with driving SiC MOSFETs. The EVAL Board shows the correct discrete components to implement IX4351NE key features:

- Programable negative charge pump
- Desaturation detection with soft turn-off

## Technical resources:



Series Page



User's Guide



Tech Info



## Benefits

- Demonstrates the IX4351 SiC MOSFET driving features and promotes Littelfuse SiC MOSFETs.
- Allow engineers to quickly evaluate the IX4351NE and the LSIC1MO120E0080.
- Shows how galvanic isolation can be simply and cost effectively implemented for use with the IX4351NE.
- Engineers can quickly layout a PCB for IX4351NE implementation in their application.



## Features

- Fully functional evaluation board with the IX4351NE driving the LSICMO120E0080.
- Discrete components set for the IX4351NE negative charge pump regulator to provide the -5V turn-off voltage recommended for Littelfuse SiC MOSFETs.
- Galvanic isolation between logic side and load side.
- Bill of Material and Gerber files available.

## Markets/Applications

- Automotive / On-board EV Charger & DC Charging Stations
- Light Industrial / Motors, Inverters or Rectifiers
- Data Center & Cloud / Power Supplies & UPS
- PFC, AC/DC & DC/DC Converters