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> DEMOBOARD TLE6389-3G V50

# DEMOBOARD TLE6389-3G V50



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### Overview

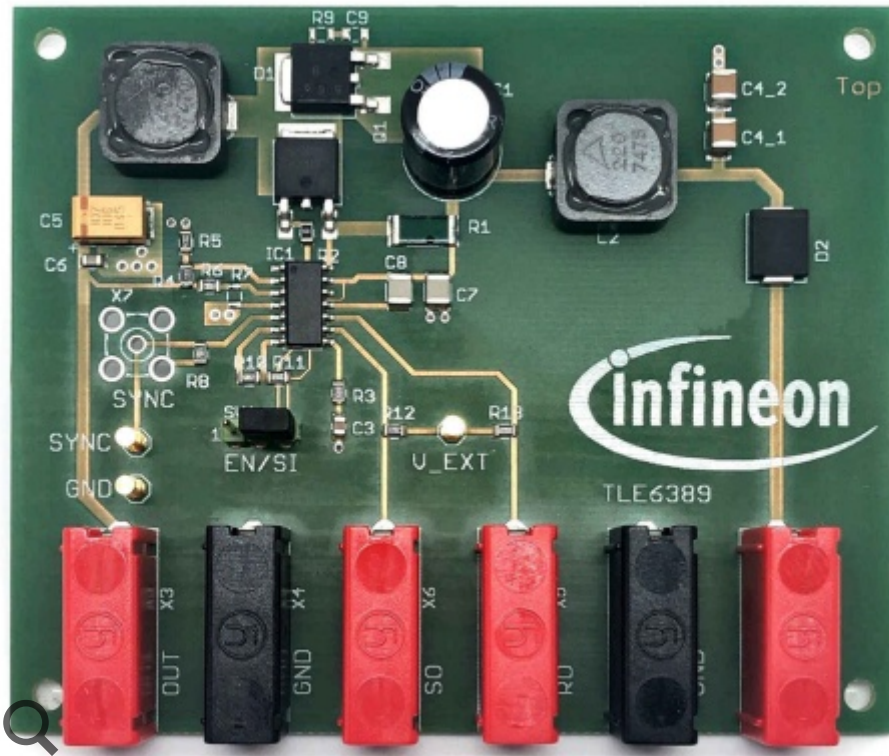
This application board enables you to test the performance of the **TLE6389-3G V50 (/cms/en/product/power/dc-dc-converters/switching-regulators/optireg-switchers-automotive/tle6389-3g-v50/)** step down converter. Design is optimized for flexibility, but also BOM size.

### Summary of Features

- Adjustable Reset , 100% duty cycle for cranking support, external MOS for flexible power.

### Benefits

- Generic 24V automotive ECU's
- Truck ADAS system
- CAV equipment



#### Parametrics

Parametrics	<b>DEMOBOARD TLE6389-3G V50</b>
Additional Features	Optimized Measurement
Applications	Standard device for all applications
Family	DC-DC Converter
Input Type	DC
Output Voltage min max	5.0 V 4.9 V 5.1 V
Product Description	This application board enables you to test the performance of the TLE6389-3GV50 step down converter. The board shows a possible space efficient layout.

<b>Parametrics Product</b>	<b>DEMOBOARD TLE6389-3G V50</b> DEMOBOARD TLE6389-3G V50
Name	
Qualification	Automotive
Supply Voltage min max	13.5 V 4.75 V 60.0 V
Target Application	Automotive
Topology	Buck
Type	Evaluation Board

#### Order

<b>Sales Product Name</b>	<b>DEMOBOARD TLE6389-3G V50</b>
<b>OPN</b>	DEMOBRDTLE63893GV50TOBO1
<b>Product Status</b>	active and preferred
<b>Package name</b>	--
<b>Order online</b>	<a href="#">Buy online</a>
<b>Completely lead free</b>	
<b>Halogen free</b>	
<b>RoHS compliant</b>	no
<b>Packing Size</b>	1
<b>Packing Type</b>	CONTAINER
<b>Moisture Level</b>	
<b>Moisture Packing</b>	NON DRY

## Support

Search the FAQs! Enter your search terms...



Top 6 FAQs. Use the search bar above to show more!

### Simulation Parameters/SPICE models

Please visit our Simulation Model Finder on the internet at

**<https://www.infineon.com/simulation> (<https://www.infineon.com/simulation>)**

Please select "Simulation Models (SPICE, S-parameters, SABER)"

If you cannot find your requested model there, please submit your request via the "click to request..."

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### BTS711L1 & BTS5210G in Application- Auto-heating system - error reports

QUESTION: A prototype using the (BTS711L1 & BTS5210G) components was built, but in tests, BTS711L1 gives error reports. The current was 100mA. The BTS5210G was also used in the same application. This did not give any error feedback.

APPLICATION: Auto-heating system, Voltage- 24V, Current consumption per relay is 50mA. There are different channels, in some channels 2 relays used, some use 5 relays, etc. ...

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### Final Test of IGBT modules

The applied Viso test is a 100% outgoing test for all our IGBT modules and the test is done according to the IEC standard IEC60747-9. Please see the enclosed information about the final test.

To carry out the test, all the terminals are connected.

The applied Viso voltage tests the isolation capability between the connected terminals and the base plate of the device. This is a pass/fail test. ...

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solid state relays/optocouplers / Infrared Data Transceiver

We sold the optocoupler and solid state relay divisions to Vishay in 2001. Infrared Data Transceiver IRMxxx was affected as well.

Please contact Vishay at <https://www.vishay.com> (<https://www.vishay.com>) to obtain further information on the requested product(s).

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What are the benefits of Gate Drive Control ICs?

The HVIC gate drive solution typically cuts down on component counts and PCB size by 50 percent compared to discrete solutions.

These devices offer an improved immunity to voltage spikes and contribute to lower switching losses for the IGBTs and FETs....

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Alternative smart driver for use as pump driver

Q: Looking for an alternative smart driver for use as a pump driver in systems. The smart drivers should meet the following requirements:

Overload protection

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