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# DEMOBOARD IFX90121

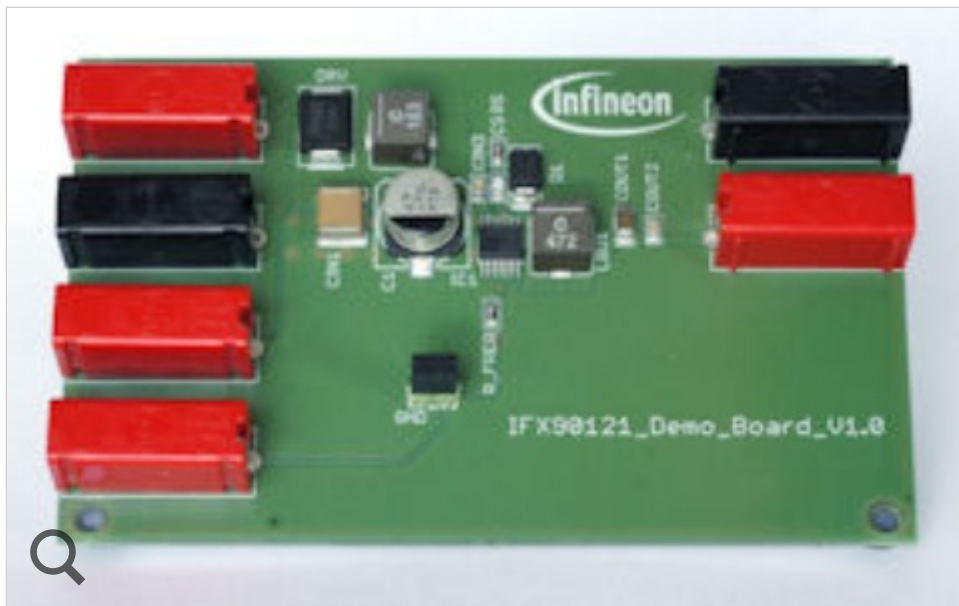


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### Overview

Demoboard for industrial step-down DCDC controller with built in MOSFET for output currents up to 500 mA.



### Parametrics

Parametrics	DEMOBOARD IFX90121
Family	DC-DC Converter
Input Type	DC
Output Voltage	5.0 V 4.9 V 5.1 V

min max <b>Parametrics</b>	<b>DEMOBOARD IFX90121</b>
Product Description	Demoboard for industrial step-down DCDC controller with built in MOSFET for output currents up to 500 mA
Product Name	DEMOBOARD IFX90121
Qualification	Industrial
Supply Voltage min max	8.0 V 4.75 V 45.0 V
Target Application	Automation ; Industrial ; Medical ; Motor Control & Drives ; Power Supplies
Topology	Buck
Type	Evaluation Board

## Documents

### — Additional Technical Information



IFX90121 Demo Board Schematic (/dgd/IFX90121-Demoboard-schematic.pdf?  
fileId=5546d46145460399014592c1111f44b3)  
01\_00 | 2014-04-24 | pdf | 148 KB

## Order

<b>Sales Product Name</b>	<b>DEMOBOARD IFX90121</b>
<b>OPN</b>	DEMOBOARDIFX90121TOBO1
<b>Product Status</b>	active and preferred
<b>Package name</b>	--
<b>Order online</b>	
<b>Completely lead free</b>	

<b>Sales Product Name Halogen free</b>	<b>DEMOBOARD IFX90121</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



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

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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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