

## TPS62401 – Dual, 2.25MHz, 600mA+400mA Step Down DC/DC Converter in 313mm QFN Package

### One Page Overview

#### Product Description:

The TPS62401 device series are synchronous dual step-down DC-DC converters optimized for battery powered portable applications. They provide two independent output voltage rails powered by 1-cell Li-Ion or 3-cell NiMH/NiCD batteries.

#### Key Parameters:

- High Efficiency—Up to 95%
- I<sub>out1</sub>: 0.4A; I<sub>out2</sub>: 0.6A; V<sub>out</sub>: 1.1V
- V<sub>IN</sub> Range From 2.5 V to 6 V
- 2.25 MHz Fixed Frequency Operation
- EasyScale Optional One-Pin Serial Interface for Dynamic Output Voltage Adjustment
- 180° Out of Phase Operation

#### Nano-Evaluation Module Description:

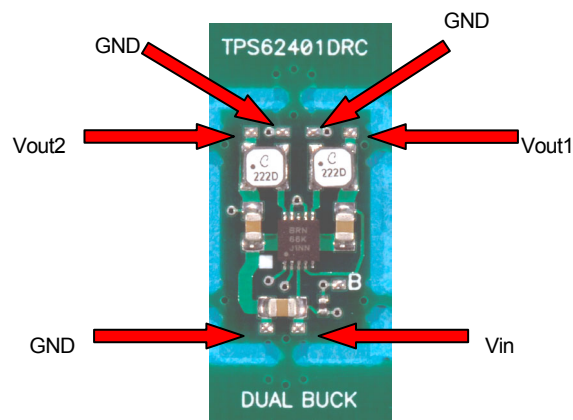
The TPS62401 NanoEVM included within this kit can easily be broken out of the main NanoEVM PCB and have been made as small as possible to be soldered onto a customer's board for evaluation of the device in the system. It contains all the external components needed for correct operation. For full evaluation, please request a standard size EVM (TPS62401EVM-161).

#### Nano-Evaluation Module Board Use:

Before you connect the EVM to a power supply, please check the picture below to ensure correct electrical connections.

Please note following important device limitations:

- V<sub>in</sub> Range: 2.5V to 6V



**TPS62401 NanoEVM – (PR570)**

The Nano EVM is not designed to test the full functionality of the device. For further product information including the board schematics, BOM and the link to the product folder, please visit the following web site: [www.ti.com/analogportable](http://www.ti.com/analogportable)

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