

TPS79928 – 200mA, Low Quiescent Current, Ultra Low Noise, High PSRR, Low Dropout Linear Regulator

One Page Overview

Product Description:

The TPS79928 family of low dropout (LDO), low power, linear regulators offer excellent AC performance with very low ground current.

Key Parameters:

- 200mA Low Dropout Regulator with EN
- Fixed and Adjustable Output Voltage Options from 1.2V to 4.5V (fixed) or 6.5V (adj.)
- High PSRR: 66dB at 1kHz
- UltraLow Noise: $29.5\mu V_{rms}$
- Low I_Q : $40\mu A$
- Very Low Dropout Voltage: 100mV

Nano-Evaluation Module Description:

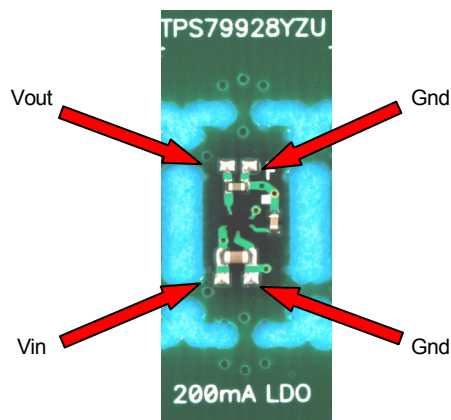
The TPS79928 NanoEVM included within this kit can easily be broken out of the main NanoEVM PCB and have been made as small as possible to be soldered onto a customer's board for evaluation of the device in the system. It contains all the external components needed for correct operation. For full evaluation, please request a standard size EVM (TPS79928EVM-105).

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:

- DC Supply Voltage Range: 2.7 V to 5.5 V
- Fixed Output Voltage: 1.8 V and 2.85 V
- EN1 and EN2 – hard-wired ON



TPS79928 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

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