NCV8537MN250GEVB: 2.5 V LDO Regulator Evaluation Board

The demoboard supports the LDO regulator NCV8537 in DFN10 package with fix output voltage 2.5 V. The ENABLE function allows turn the device to low consumption mode with quiescent current below 1 μA. The Power Good pin alows output voltage monitoring. The additional CNR capacitor reduces the output noise.

Size: 45mm x 30mm x 18mm

Features and Applications

Features

- High Accuracy Over Line and Load (±0.9% at 25°C)
- Operating Temperature Range: -40°C to 125°C.)
- Stable Output with Low Value Capacitors of any type and with no Minimum Load Current Requirement Incorporates Current Limiting and Reverse Bias Protection
- Low Noise (33 _Vrms w/10 nF Cnr and 52 _Vrms w/out Cnr)
- Low Shutdown Current (< 1 mA)
- 2.9 V to 12 V Supply Range
- Thermal Shutdown Protection
- Current Limitation
- Power Good Output to Indicate the Regulator is Within Specified Limits

Applications

- Networking Systems, DSL/Cable Modems
- Audio Systems for Automotive Applications
- Navigation Systems
- Cable Set-Top Box
- Satellite Receivers
- Displays and Monitors

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCV8537MN250GEVB	Active		2.5 V LDO Regulator Evaluation Board	NCV8537MN250R2G	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCV8537MN250GEVB Bill of Materials ROHS Compliant	NCV8537MN250GEVB_BOM_ROHS.PDF - 573.0 KB	0
Eval Board: Gerber	NCV8537MN250GEVB Gerber Layout Files (Zip Format)	NCV8537MN250GEVB_GERBER.ZIP - 52.0 KB	0
Eval Board: Schematic	NCV8537MN250GEVB Schematic	NCV8537MN250GEVB_SCHEMATIC.PDF - 562.0 KB	0
Eval Board: Test Procedure	NCV8537MN250GEVB Test Procedure	NCV8537MN250GEVB_TEST_PROCEDURE.PDF - 946.0 KB	0