



NCP3337MN330GEVB: 3.3 V LDO Regulator Evaluation Board

The demoboard supports the LDO regulator NCP3337 in DFN10 package with fix output voltage 3.3 V. The ENABLE function allows turn the device to low consumption mode with quiescent current below 1 μ A. The Power Good pin allows 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 ($\pm 0.9\%$ at 25°C)
- Ultra-Low Dropout Voltage at Full Load (260 mV typ.)
- No Minimum Output Current Required for Stability
- Low Noise (33 μ Vrms w/10 nF Cnr and 52 μ Vrms w/out Cnr)
- Low Shutdown Current (< 1 mA)
- Reverse Bias Protected
- 2.9 V to 12 V Supply Range
- Thermal Shutdown Protection
- Current Limitation
- Stable with Any Type of Capacitor (including MLCC)
- Power Good Output

Applications

- PCMCIA Card
- Cellular Phone
- Camcorders and Cameras
- Networking Systems, DSL/Cable Modems
- Cable Set-Top Box
- MP3/CD Players
- DSP Supply
- Displays and Monitors

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP3337MN330GEVB	Active	Pb-free	3.3 V LDO Regulator Evaluation Board	NCP3337MN330R2G	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP3337MN330GEVB Bill of Materials ROHS Compliant	NCP3337MN330GEVB_BOM_ROHS.PDF - 573.0 KB	0
Eval Board: Gerber	NCP3337MN330GEVB Gerber Layout Files (Zip Format)	NCP3337MN330GEVB_GERBER.ZIP - 52.0 KB	0
Eval Board: Schematic	NCP3337MN330GEVB Schematic	NCP3337MN330GEVB_SCHEMATIC.PDF - 560.0 KB	0
Eval Board: Test Procedure	NCP3337MN330GEVB Test Procedure	NCP3337MN330GEVB_TEST_PROCEDURE.PDF - 1218.0 KB	0
Video	Adjustable Output Voltage LDO Regulator Evaluation Board - NCP3337	WVD17553/D	

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