NCP59301DS00GEVB: 3.0 A Fixed VLDO Regulator Evaluation Board

The NCP59300 is a 3.0A ultra low-dropout family of linear voltage regulator that provides a low-voltage, high-current output with a minimum number of external components. It offers high precision, an ultra-low-dropout (300mV typical at 3.0 Amp load) while also offering very low-ground current. The device has an input operating voltage range of 2.25V to 13.5V and a maximum input voltage tolerance of 18V. Internal protection features include an output current limit, thermal shutdown and reverse output current protection. The NCP59301 products features an additional output error flag and are available in a 5 pin D2PAK. An adjustable version of the family is also available, the NCP59302. Contact your local sales office with your specific requirements.

Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
NCP59301DS00GEVB	Active	Pb-free	3.0 A Fixed VLDO Regulator Evaluation Board	NCP59301DS18R4G , NCP59301DS25R4G , NCP59301DS28R4G , NCP59301DS30R4G , NCP59301DS33R4G , NCP59301DS50R4G	Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	NCP59301DS00GEVB Bill of Materials ROHS Compliant	NCP59301DS00GEVB_BOM_ROHS.PDF - 49.0 KB	0
Eval Board: Gerber	NCP59301DS00GEVB Gerber Layout Files (Zip Format)	NCP59301DS00GEVB_GERBER.ZIP - 26.0 KB	0
Eval Board: Schematic	NCP59301DS00GEVB Schematic	NCP59301DS00GEVB_SCHEMATIC.PDF - 89.0 KB	0
Eval Board: Test Procedure	NCP59301DS00GEVB Test Procedure	NCP59301DS00GEVB_TEST_PROCEDURE.PDF - 508.0 KB	0