



POE-GEVB: Power over Ethernet (PoE) Shield Evaluation Board

The Power over Ethernet (PoE) Shield Evaluation Board demonstrates the NCP1083, a member of the ON Semiconductor high power HIPO™ Power over Ethernet Powered Device (PoE-PD) product family which represents a robust, flexible and highly integrated solution targeting demanding medium and high power Ethernet applications. It combines in a single unit an enhanced PoE-PD interface supporting the IEEE 802.3af and the upcoming draft IEEE 802.3at (D3.0) standard and a flexible and configurable DC-DC converter controller. The NCP1083's exceptional capabilities enable applications to smoothly transition from non-PoE to PoE enabled networks by also supporting power from auxiliary sources such as AC power adapters and battery supplies, eliminating the need for a second switching power supply.



Evaluation/Development Tool Information				
Product	Status	Compliance	Short Description	Parts Used
POE-GEVB	Active	Pb-free	Power over Ethernet (PoE) Shield Evaluation Board	BAS16HT1G , LC03-6R2G , MBR0520LT1G , MBRS2H100T3G , MURS120T3G , NCP1083DER2G , NCP431AVSNT1G , PCA9655EMTTXG
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Technical Documents			
Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	POE-GEVB Bill of Materials (ROHS Compliant)	POE-GEVB_BOM_ROHS - 62 KB	0
Eval Board: Gerber	POE-GEVB Gerber Layout Files (Zip Format)	POE-GEVB_GERBER - 1459 KB	0
Eval Board: Schematic	POE-GEVB Schematic	POE-GEVB_SCHEMATIC - 68 KB	1

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