

Product Overview

NCP1095: Power Over Ethernet – Powered Device Interface Controller, IEEE 802.3bt

For complete documentation, see the data sheet.

The Power Over Ethernet (PoE) – Powered Device (PD) Interface Controller, NCP1095 ASSP contains all features needed to implement an IEEE.3bt, IEEE 802.3af, and/or IEEE 802.3at application. This includes detection, classification, and current limiting during the inrush phase. The NCP1095 supports high power applications up to 90W through an external pass transistor. A power good and PSE type pin guarantee a proper enabling/disabling of the DC/DC for type I, II, III and IV operation.

Features

- Fully Supports IEEE.3bt, IEEE 802.3af and IEEE 802.3at specifications.

Benefits

- Allows for guaranteed interoperability

Applications

- Voice over IP
- Wireless access points
- IP camera

End Products

- WiMax

Part Electrical Specifications

Product	Compliance	Status	Topology	Phases	Control Mode	V _{CC} Min (V)	V _{CC} Max (V)	f _{sw} Typ (kHz)	Package Type
NCP1095DB	Pb-free	Active				34.2	57		TSSOP-16
	Halide free								
NCP1095DBR2	Pb-free	Active				34.2	57		TSSOP-16
	Halide free								

For more information please contact your local sales support at www.onsemi.com.

Created on: 4/17/2019