

BOURNS®

Design Kit Release

PORTNOTE® SOLUTIONS

Bourns Releases New Power over Ethernet (PoE) PortNote® Solution and Design Kit *Protection for PoE Power Sourcing Equipment (PSE) Units*

Riverside, California - February 24, 2016 - Bourns is pleased to announce the release of the *Ethernet – Quad Port Power over Ethernet (PoE) Power Sourcing Equipment (PSE) Unit Protection* PortNote® Solution to correspond with the Model PN-DESIGNKIT-54 Design Kit. PN-DESIGNKIT-54 contains samples of the two components that form the solution.

IEEE 802.3-2012, IEEE Standard for Ethernet, provides for the transmission of both data and power over a single interface. It is intended to be compatible with 10BASE-T, 100BASE-TX and 1000BASE-T systems without modifications when a standard category 5 or higher cable is used, and allows the Power Supply Equipment to provide up to 15.4 watts of power.



As the Ethernet isolation transformer does not provide attenuation of voltage transients on the power path, designers have to consider threats posed by electrostatic discharge (ESD) and other voltage transient surges to the MOSFET and PSE controller circuitry of their systems. The Power over Ethernet Power Sourcing Equipment Unit Protection PortNote® Solution offers simple and robust protection, rated to IEC 61000-4-2 (ESD, contact discharge) 30 kV and IEC 61000-4-5 Level 2 (Surge, 1 kV 8/20 μs).

The new PortNote® Solution and Design Kit are available on Bourns' website at www.bourns.com.

PortNote® Solution	Design Kit	Components Included
Ethernet Quad Port Power over Ethernet (PoE) PSE Unit Protection	PN-DESIGNKIT-54	CDNBS08-T58CC PT61020EL

Should you have any questions or need additional information, please feel free to contact [Customer Service/Inside Sales](#).