**Objective**

10/100 Base-T Power over Ethernet (PoE) interfaces combine data and DC power to provide remote power to a Powered Device (PD). This solution provides ESD and overvoltage protection for the Powered-Sourcing Equipment (PSE) unit.

**Solution**

1 TVS Diode Array: CDDFN10-3304NA
1 Transformer: SM51108PEL

**Compliance**

IEEE 802.3af Types 1 & 2
IEC 61000-4-2 Level 4 (8 kV / 15 kV)

**Alternate Recommendations**

*Other PortNote® Solutions:*
- Ethernet - ESD Protection
- Ethernet - 10/100 Base-T Power over Ethernet (PoE) PD Unit Protection
- Ethernet - Quad Port Power over Ethernet (PoE++) PSE Unit Protection

Contact Bourns for PoE++ or Gbit PoE port solutions.

**Benefit**

This solution provides ESD and overvoltage protection for 10/100 Base-T PoE PSE devices without impairing the Ethernet signal.

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The schematic above illustrates the application protection and does not constitute the complete circuit design. Customers should verify actual device performance in their specific applications.

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To order samples, click on the "Request Sample" button.

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