

Solution Products



CDSOT236-0504C

Companion Products



PT61020EL
Quad Transformer

Design Kit



PN-DESIGNKIT-1

Ethernet ESD Protection

Objective

Ethernet interfaces are 2 V digital signals operating on a 125 MHz clock. This solution provides ESD protection commonly required in indoor, short-cable applications where ESD is the primary threat.

Solution

2 TVS Diode Arrays: CDSOT236-0504C

Compliance

IEC 61000-4-2 Level 4 (8 kV / 15 kV)

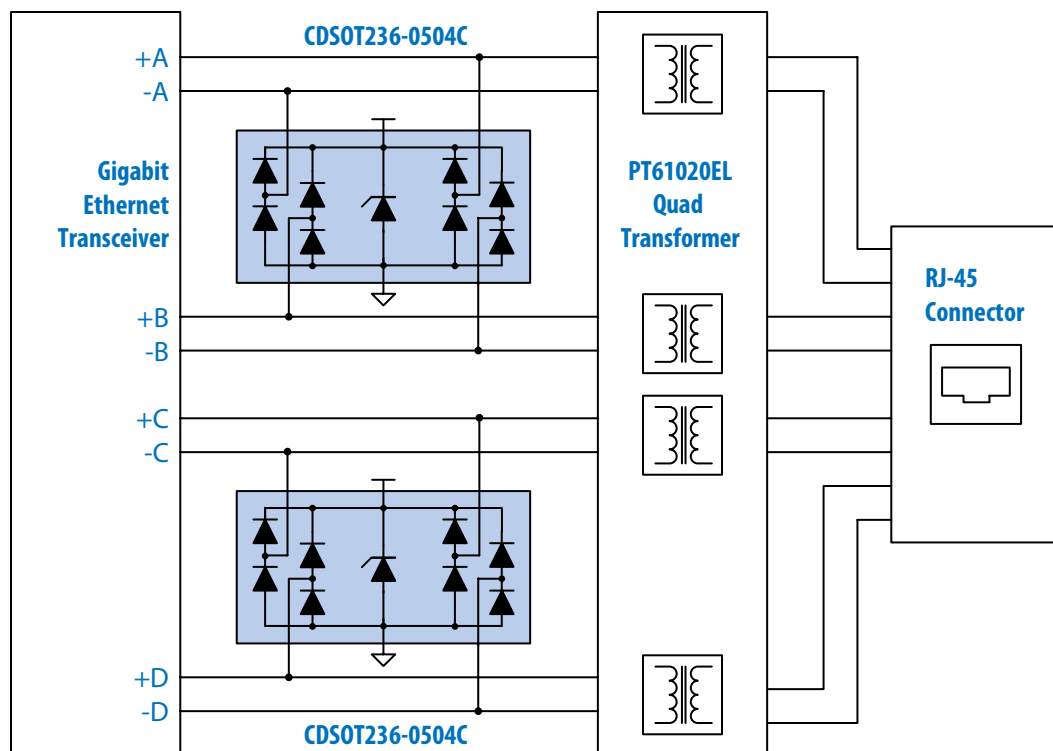
Alternate Recommendations

Other PortNote® solutions:

- Ethernet - Power Contact and Surge Protection
- Ethernet - 10/100 Power over Ethernet (PoE)

Benefit

This solution provides ESD protection without impairing the Ethernet signal.



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.

BOURNS®

Americas: Tel +1-951 781-5500
Fax +1-951 781-5700

Europe: Tel +41-(0)41 768 55 55
Fax +41-(0)41 768 55 10

Asia-Pacific: Tel +886-2 256 241 17
Fax +886-2 256 241 16

Bourns® PortNote® solutions provide protection recommendations for typical port threats.

For more information, go to:

www.bourns.com

or email: protection@bourns.com