



Features

- Complies with IEEE 802.3 standard specifications including 350 μ H with 8 mA DC bias
- Minimum interwinding breakdown voltage of 1500 Vrms
- RoHS compliant
- Single port shielded RJ45 with dual USB
- Integrated magnetics design provides higher reliability and conserves board space

PT44240N1D - Dual USB/RJ45, 10/100 Base-Tx

Electrical Specifications @ 25 °C

Insertion Loss	
1-100 MHz	-1.0 dB max.
Return Loss (TX/RX)	
1-30 MHz	-20/-20 dB min.
30-60 MHz	-15/-17 dB min.
60-80 MHz	-11/-15 dB min.
Crosstalk	
1-100 MHz	-30 dB min.
CMRR	
1-100 MHz	-30 dB min.
Operating Temperature	0 °C to +70 °C
Storage Temperature	-40 °C to +85 °C

Physical Specifications

Metal Shielding	Nickel-plated copper alloy
Contact	Phosphor bronze, 6 u-inch gold-flashed unless otherwise specified
Housing	Thermoplastic PBT UL94V0 rated

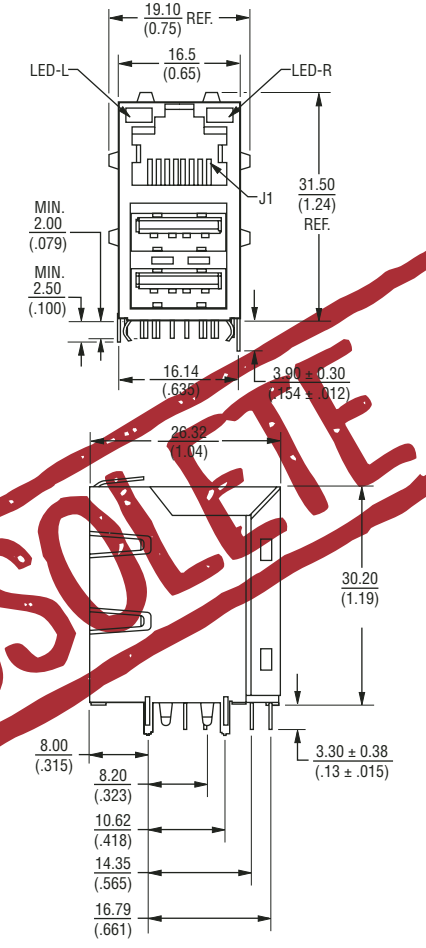
Packaging Specifications

	240 pos./tray
--	---------------

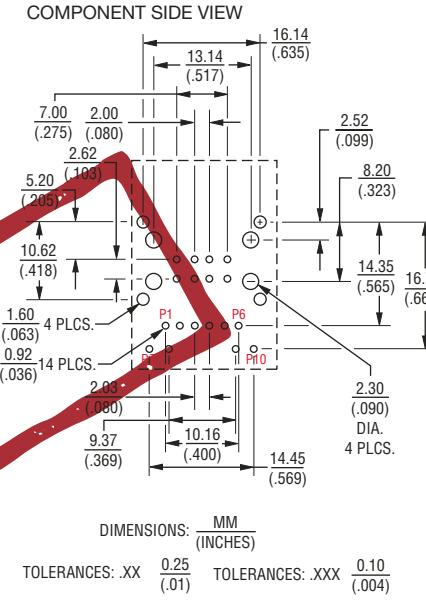
How to Order

Model	PT44240N1D
-------	------------

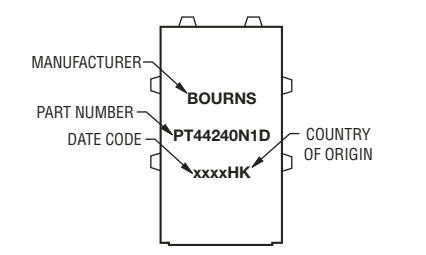
Product Dimensions



Recommended PCB Layout



Typical Part Marking



Reliable Electronic Solutions

Asia-Pacific:
Tel: +886-2 2562-4117
Fax: +886-2 2562-4116

Europe:
Tel: +41-41 768 5555
Fax: +41-41 768 5510

The Americas:
Tel: +1-951 781-5500
Fax: +1-951 781-5700
www.bourns.com

Electrical Schematic

