



Features

- IEEE 802.3 Ethernet compatible
- 10 GbE
- RoHS compliant* and halogen free**

SM43001EL - 10 GbE Chip LAN Transformer Module

Electrical Specifications @ 25 °C

Inductance

..... 120 μ H min. @ 100 kHz, 0.1 V

Insertion Loss (TD-MX)

1-500 MHz..... -3.0 dB max.

Return Loss (TD-MX)

1-40 MHz..... -16 dB min.

40 \leq f \leq 500 MHz

..... -(16-10 log (f/40) min.)

Cross Talk

1-500 MHz..... -30 dB min.

DCMR (TD-MX)

1-250 MHz..... -22 dB min.

250-550 MHz..... -18 dB min.

Hi-Pot..... 1500 Vac, 60 s

Operating Temperature.... 0 °C to +85 °C

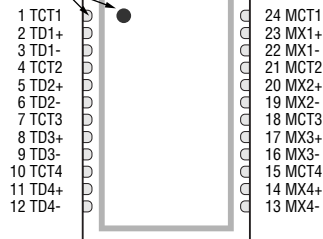
Storage Temperature.... -25 °C to +85 °C

Packaging Specifications

Tape & Reel..... 800 pcs./reel

Pin Layout

PIN 1 DOT



How To Order

SM43001 E L

Model _____

Packaging _____

E = Tape and Reel (800 pcs. per reel)

Termination _____

L = Tin (RoHS Compliant)



WARNING Cancer and Reproductive Harm

www.P65Warnings.ca.gov

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** Bourns considers a product to be "halogen free" if

(a) the Bromine (Br) content is 900 ppm or less; (b)

the Chlorine (Cl) content is 900 ppm or less; and (c)

the total Bromine (Br) and Chlorine (Cl) content is

1500 ppm or less.

Specifications are subject to change without notice.

Users should verify actual device performance in their

specific applications. The products described herein and

this document are subject to specific legal disclaimers as

set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

Additional Information

Click these links for more information:



[PRODUCT](#)



[TECHNICAL LIBRARY](#)

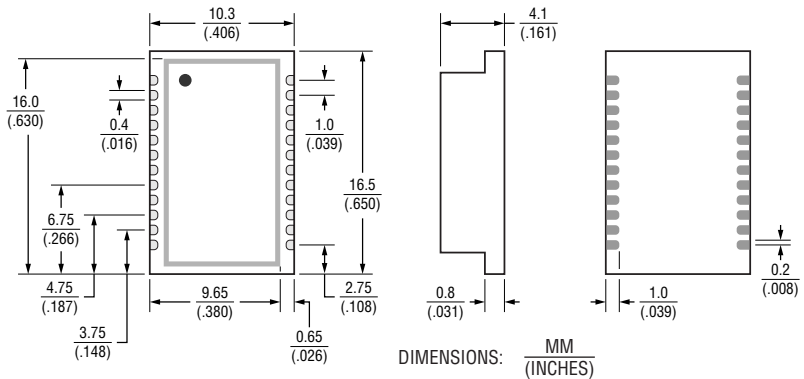


[INVENTORY](#)

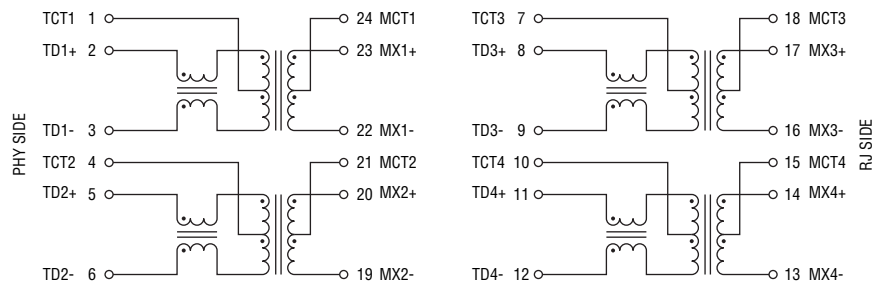


[SAMPLES](#)

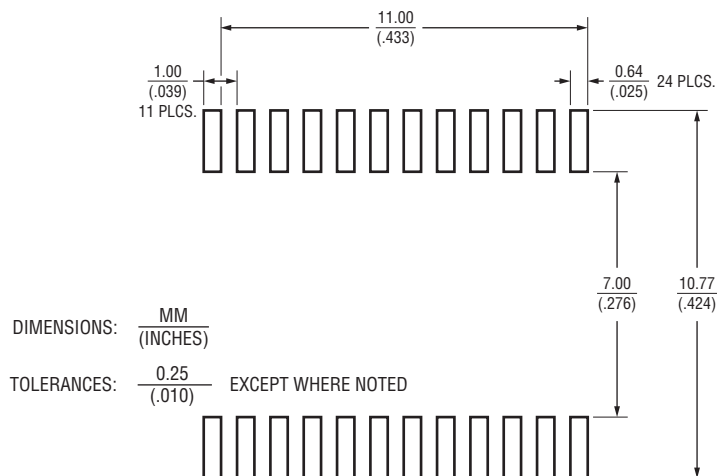
Product Dimensions



Electrical Schematic



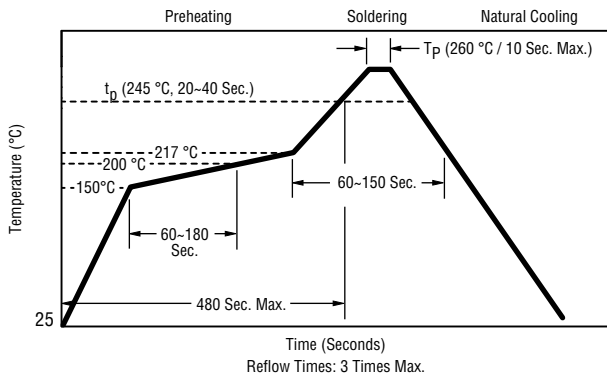
Recommended Layout



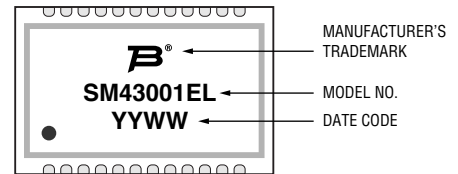
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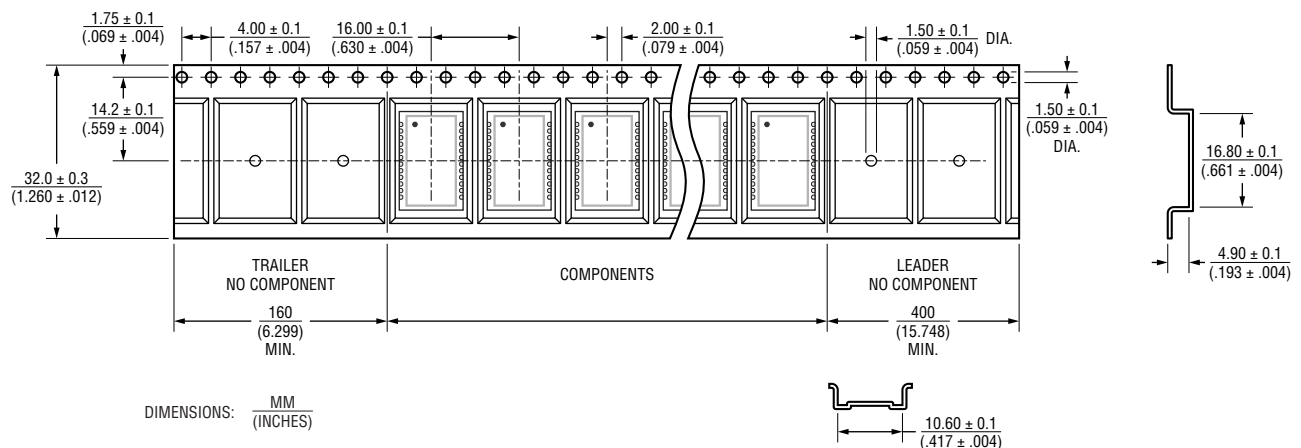
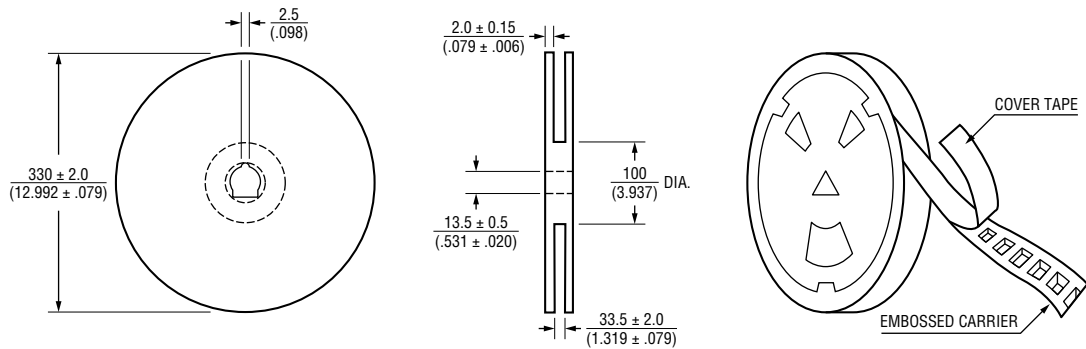
Solder Profile



Typical Part Marking



Packaging Specifications



USER DIRECTION OF FEED →
QTY: 800 PCS. PER REEL

01/13/21

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