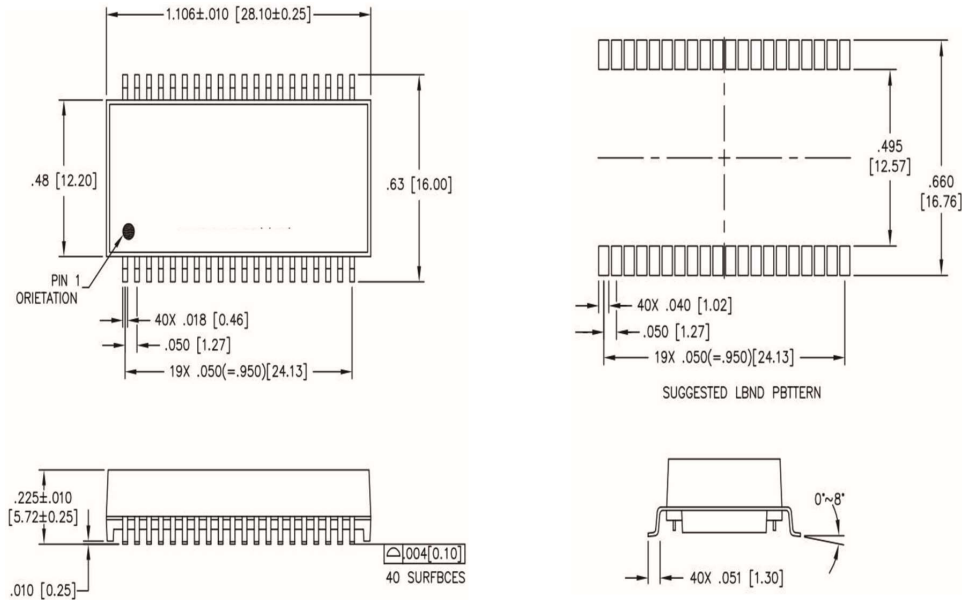
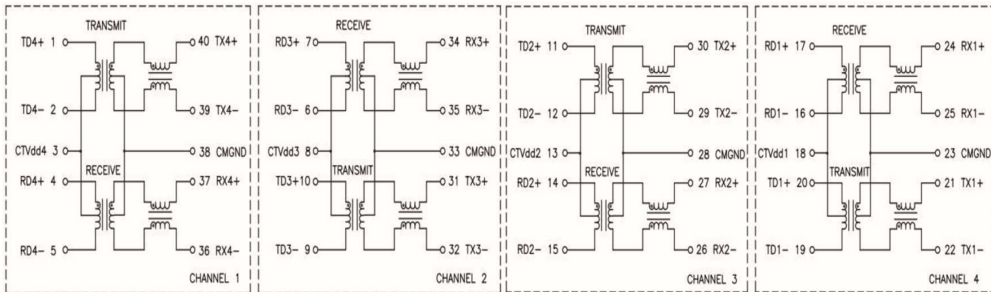


Dimensions



Dimensions are in Inches[Millimeters] with the following.
 Tolerances: [Millimeters] are for reference only.
 .XX=±.01[±0.25]
 .XXX=±.005[±0.13]

Schematic Drawing



Electrical Properties

Parameter	Specifications
Operating Temperature	-40 to +85 °C
Turns Ratio	1:1 ± 2%
Polarity	PER Schematic
Insertion Loss 100KHz	-1.2dB Max
Insertion Loss 1MHz - 125MHz	-0.2-0.002*f ^{1.4} dB Max
Return Loss 1000BT(Z OUT=100 ohm±15%) 0.1-30MHz	-16dB Min
Return Loss 1000BT(Z OUT=100 ohm±15%) 30-60MHz	-10 +20log ₁₀ (f/60MHz) dB Min
Return Loss 1000BT(Z OUT=100 ohm±15%) 60-80MHz	-10dB Min
Inductance(OCL) (Media Side, 0 to 70 °C)	350μH Min (Measured at 100KHz,0.1V and with 8mA DC bias)
Cross Talk, Adjacent Channels 1-100MHz	-30dB Min
Differential to Common mode Rejection 1-100MHz	-30dB Min
DC Resistance, 1/2Winding	0.65 ohm Max
DC Resistance, Imbalance	±0.065 ohm Max (Center Tap Symmetry)
Input-Output Isolation	1500Vrms Min at 60 Seconds

Ethernet Transformer/Choke.

Meets IEEE 802.3u & Supports Industrial Ethernet Protocols Ether CAT, Profi-BUS, Powerlink, DeviceNET, MODbus.

Comply with RoHS & Halogen Free requirements.

Storage condition: Temperature Range: -20°C ~ 125°C.



东莞善上电子有限公司
Sunshine Electronics Co.,LTD.

Description

Network Transformer

Part NO.

NO281618C44

Rev.

B

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