

INTEGRATED CONNECTOR MODULES

10Base-T Extended Temp belMag™ with LEDs

BM01826

Shielded connector with integrated 10/100 magnetics

Compatible with a variety of 10/100 transceiver ICs

Operating temperature -40 to 85

Storage temperature -40 to 85

Reduced in count or improved crosstalk and optimum PCB trace routing

Complies with IEEE 802.3 standards and all 10Base-T Ethernet standards

Integrated design conserves valuable board space

Minimum interwinding breakdown voltage of 1500 Vrms

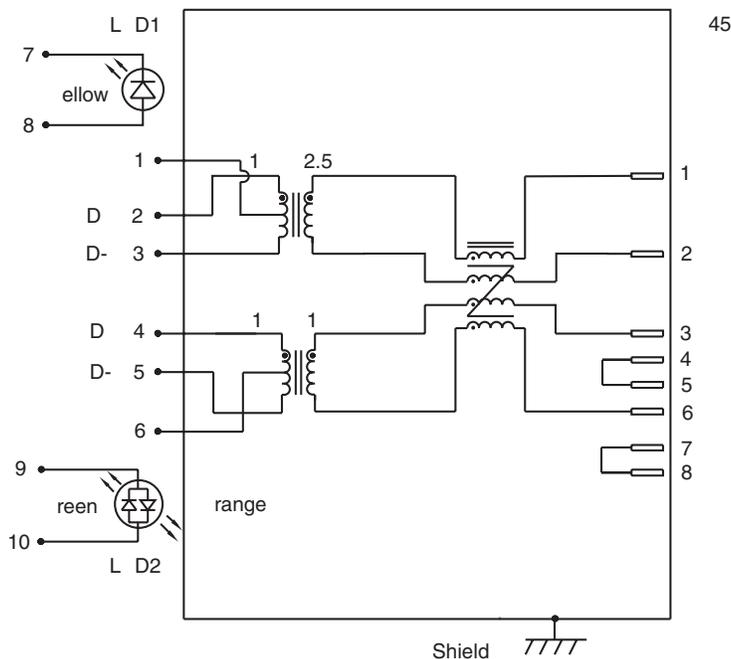
Adaptible modular design provides higher reliability

ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	Insertion Loss dB max	Return Loss dB min	Common to Common Mode Rejection dB min	Crosstalk dB min	OCL μH min	
	1MHz to 10MHz	1MHz to 10MHz	10MHz to 30MHz	100kHz to 100MHz	TX	RX
0810-1 1 -27	-1.0	-18	-40	-40	45	230

SCHEMATICS

0810-1X1T-27

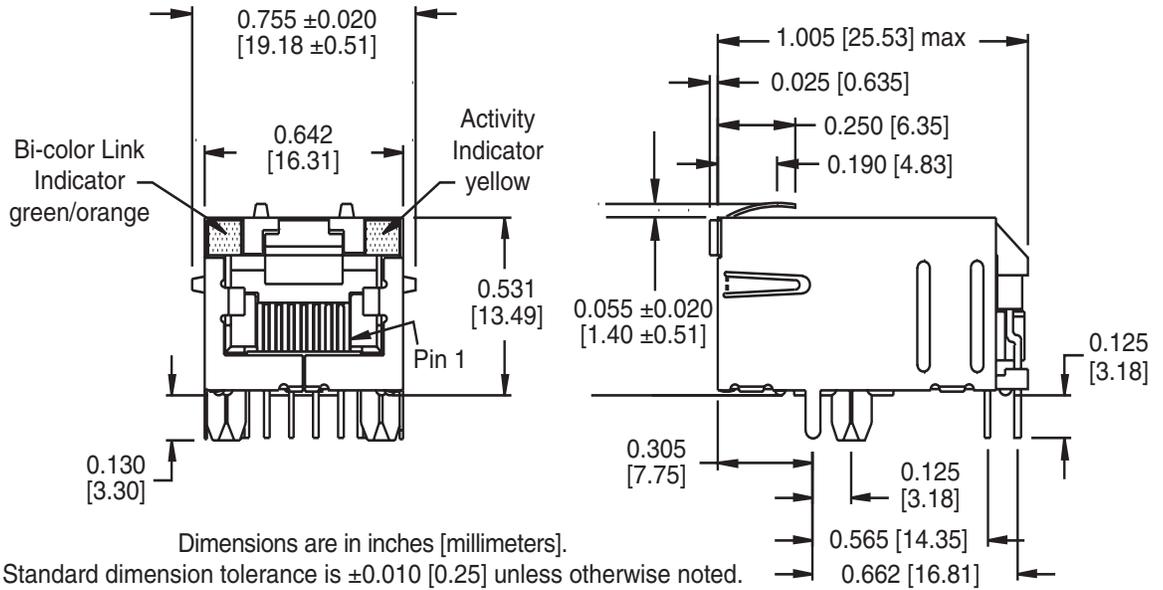


Available Options
 Various transformer turns ratios
 Various LED color combinations

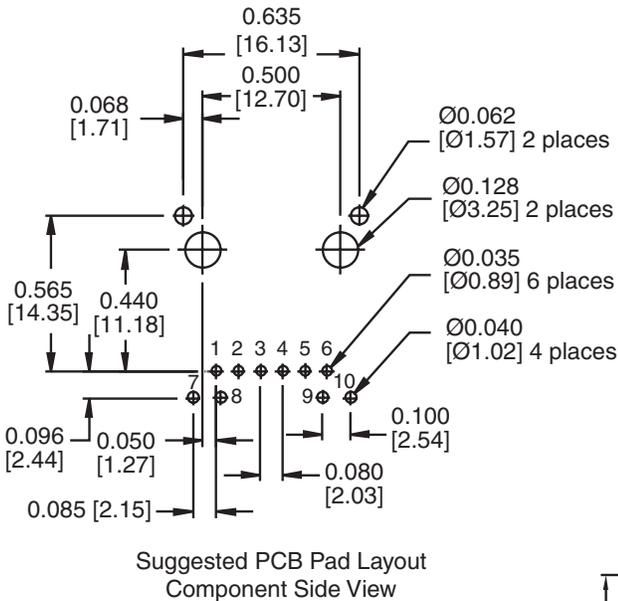
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MECHANICAL

0810-1X1T-27



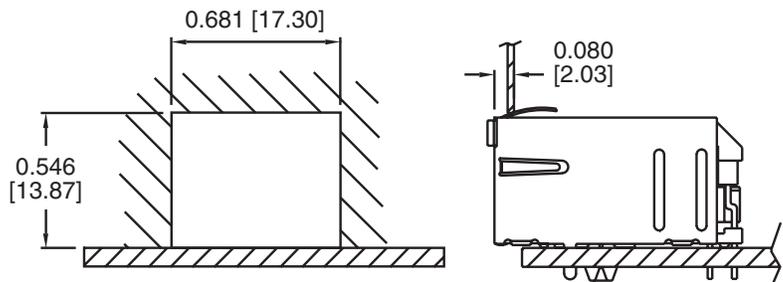
PAD LAYOUT



Notes

- Plastic housing thermo plastic lamma lity rating L 94 -0
- contacts 50 micro-inch hard gold plating
- Pins in-coated copper wire DIA 0.018 [0.46]
- Solderability Per IL Std. 202 method 208
- metal Shield in lead plated copper alloy

Suggested Panel Opening



2008 Bel Fuse Inc. Specifications subject to change without notice. 06.08

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