

INTEGRATED CONNECTOR MODULES

10Base-T Extended Temp belMag™ with LEDs

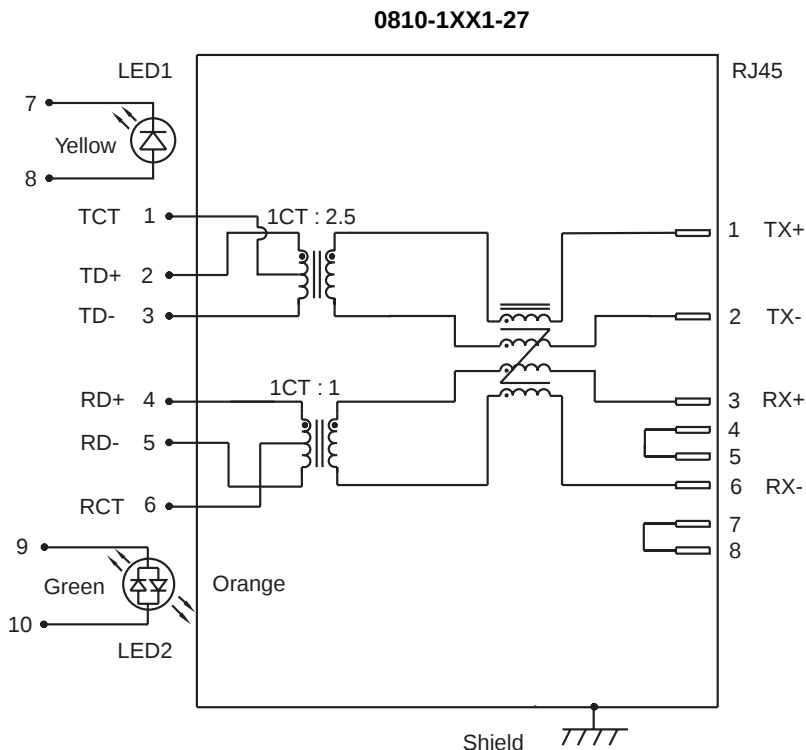
BM01825

- Shielded connector with integrated 10Base-T magnetics
- Compatible with a variety of 10Base-T transceiver ICs
- Operating temperature -40° to +85° C
- Storage temperature -40° to +85° C
- Reduced pin count for 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
- Adaptable, 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
0810-1XX1-27	-1.0	-18	-40	-40	45	230

SCHEMATIC



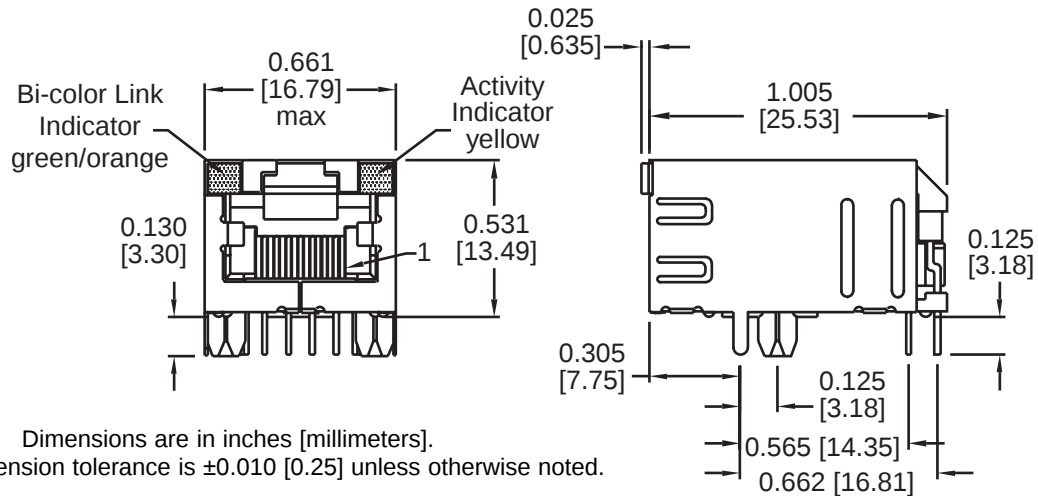
Available Options

- Various transformer turns ratios
- Various LED color combinations

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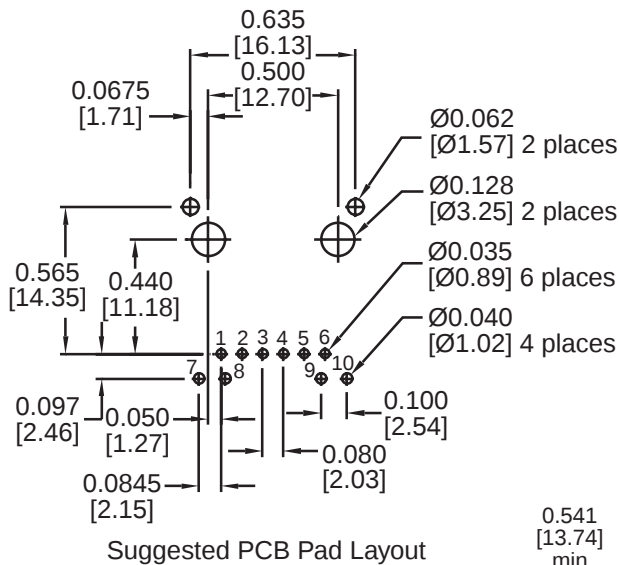
MECHANICAL

0810-1XX1-27



Dimensions are in inches [millimeters].
Standard dimension tolerance is ± 0.010 [0.25] unless otherwise noted.

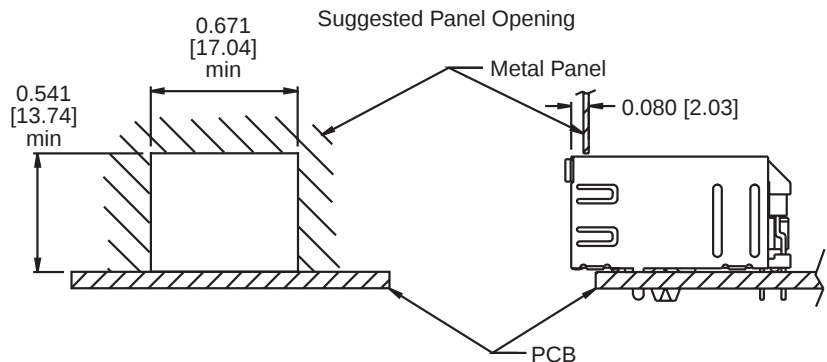
PAD LAYOUT



Notes

Plastic Housing
Contacts
Pins
Solderability
Metal Shield

Thermoplastic, flammability rating UL 94V-0
50 micro-inch hard gold plating
Tin-coated copper wire, DIA 0.018" [0.46]
Per MIL Std. 202, Method 208
Tin lead plated copper alloy



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