

# INTEGRATED CONNECTOR MODULES

## 0826-1XX1-46 Gigabit Ethernet Single Port MagJack® with LEDs

LED1 POLARITY			LED2 POLARITY		
PIN 11	PIN 12	COLOR	PIN 13	PIN 14	COLOR
-	+	YELLOW	+	-	ORANGE
/	/	/	-	+	GREEN

### ELECTRICAL CHARACTERISTICS @ 25°C

#### URNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%

DCL @ 100kHz/100mVRMS  
8mA DC BIAS

350µH MIN.

#### INS. LOSS

1MHz TO 100MHz -1.2 dB MAX

#### RET. LOSS (MIN)

0.5MHz-40MHz -18 dB  
40MHz-100MHz -12+20LOG(f/80MHz) dB

#### CROSS TALK

100kHz - 100MHz -33+20LOG(f/100MHz)dB MIN

#### CM TO CM REJ

100kHz - 100MHz -30 dB MIN

#### CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage):

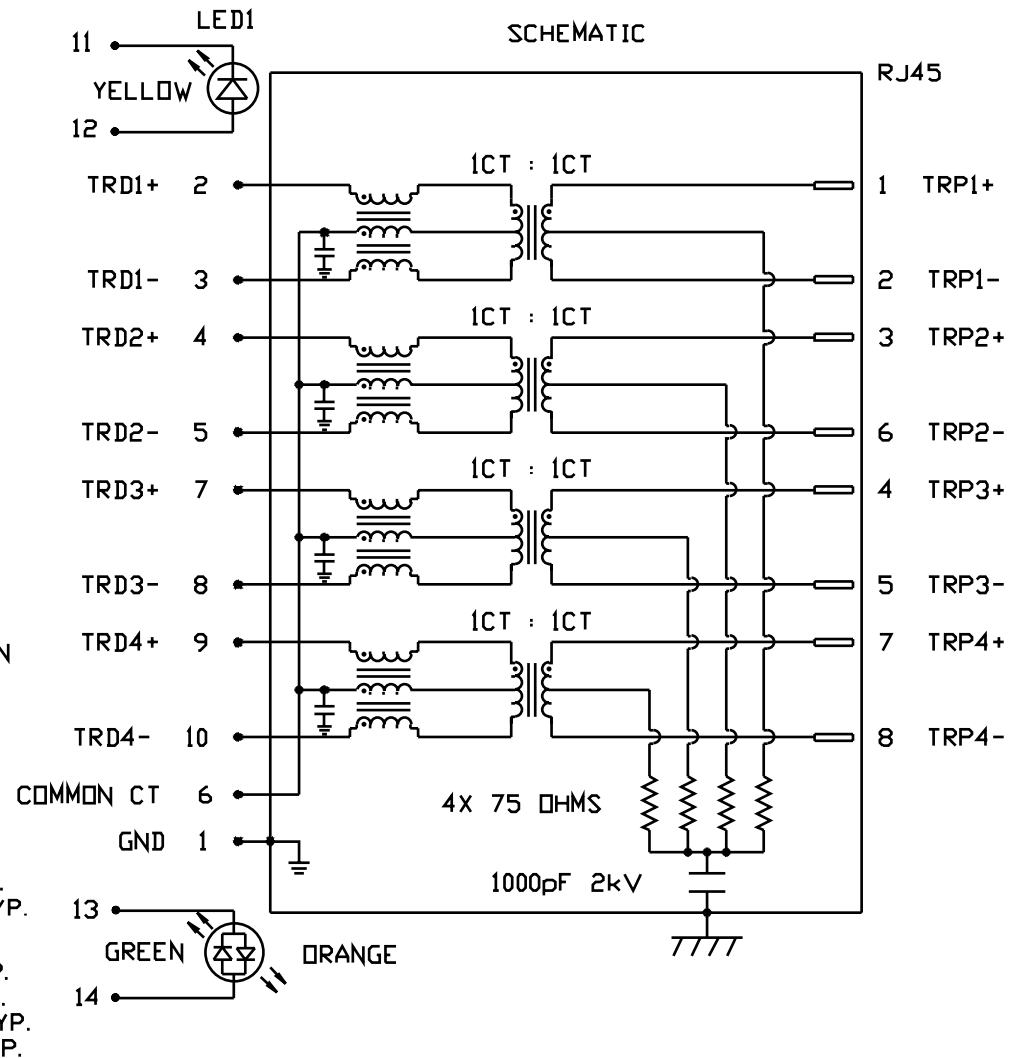
1500 Vrms

#### LED 1

V<sub>F</sub> (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.  
λ<sub>D</sub> (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

#### LED 2

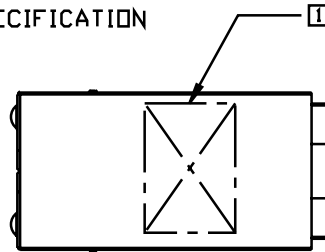
V<sub>F</sub> (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.  
ORANGE 2.0V TYP.  
λ<sub>D</sub> (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.  
ORANGE 610nm TYP.



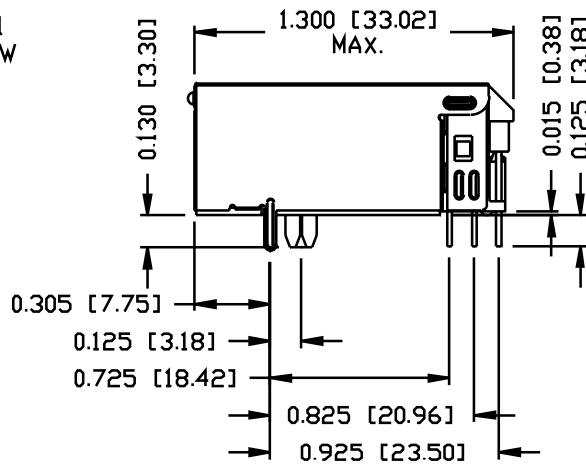
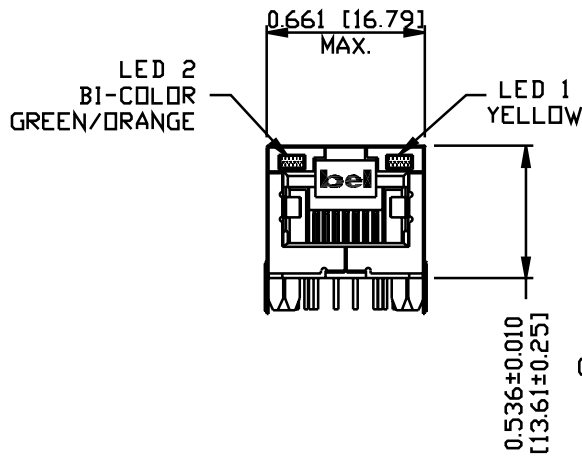
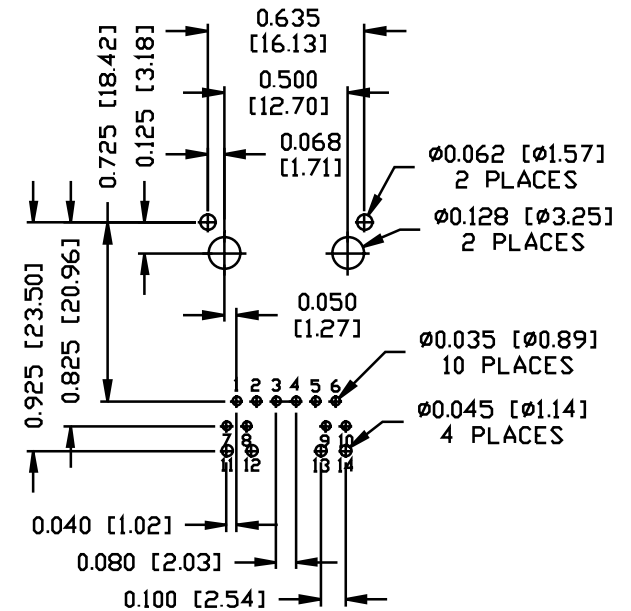
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### MECHANICAL SPECIFICATION



### RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



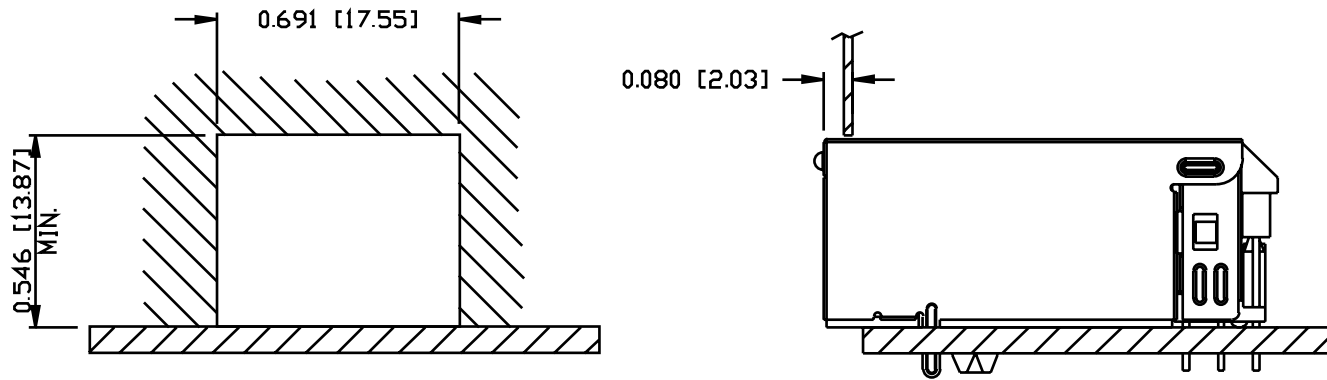
#### NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA 4/6  
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 50 MICRO-INCH HARD GOLD PLATING
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- SOLDERABILITY: PER MIL STD. 202, METHOD 208.
- METAL SHIELD: TIN/LEAD PLATED ON COPPER ALLOY.

1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

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SUGGESTED PANEL OPENING



PACKING INFORMATION

PACKING TRAY : 0200-0148-24 (TOP)  
 0200-0148-25 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY  
 10 TRAY (400 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX  
 (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)