

INTEGRATED CONNECTOR MODULES

0826-1X1T-80 Power over Ethernet MagJack® with LEDs

| LED1 POLARITY | | | LED2 POLARITY | | |
|---------------|--------|--------|---------------|--------|--------|
| PIN 15 | PIN 16 | COLOR | PIN 17 | PIN 18 | 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% |

CL @ 100kHz/100mVRMS 8mA DC BIAS

350µH MIN.

INS. LOSS

| | |
|------------------|-------------|
| 0.1MHz TO 1MHz | -1.1 dB MAX |
| 1MHz TO 65MHz | -0.5 dB MAX |
| 65MHz TO 100MHz | -0.8 dB MAX |
| 100MHz TO 125MHz | -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

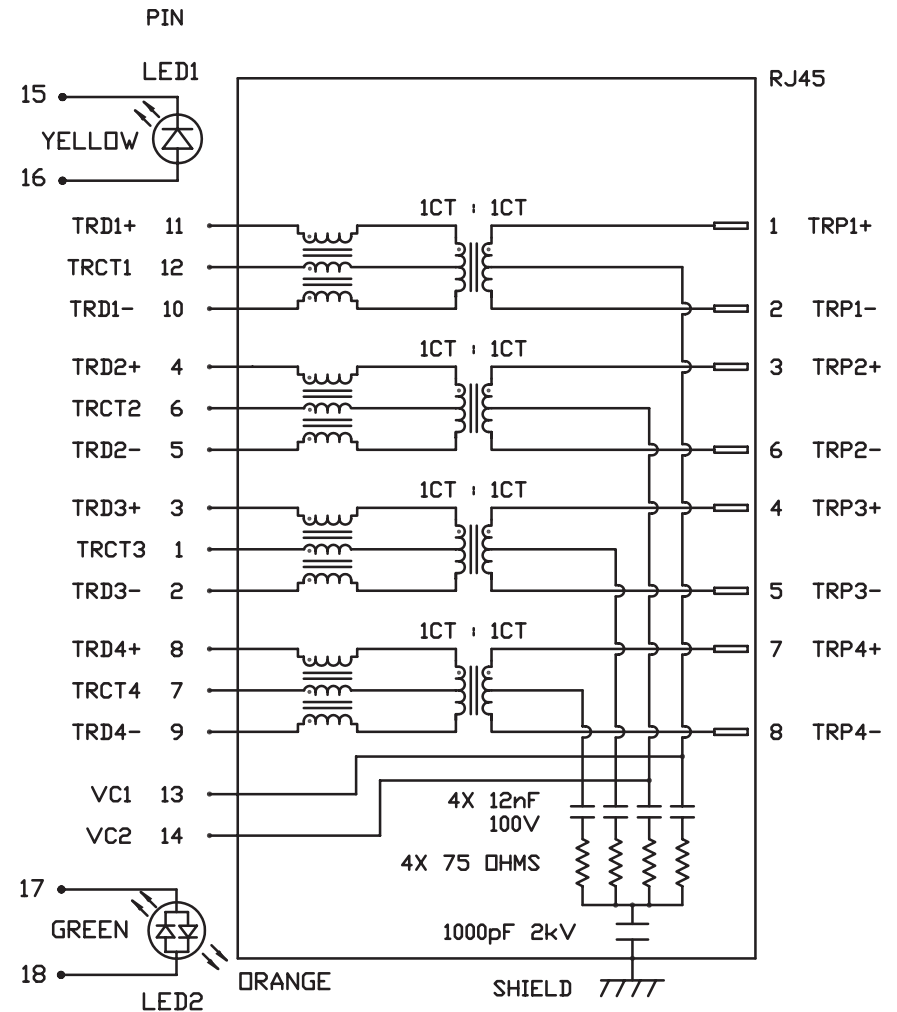
LED 1

| | | | |
|--------------------------|---------|--------|------------|
| VF (FORWARD VOLTAGE) | IF=20mA | YELLOW | 2.1V TYP. |
| λD (DOMINANT WAVELENGTH) | IF=20mA | YELLOW | 590nm TYP. |

LED 2

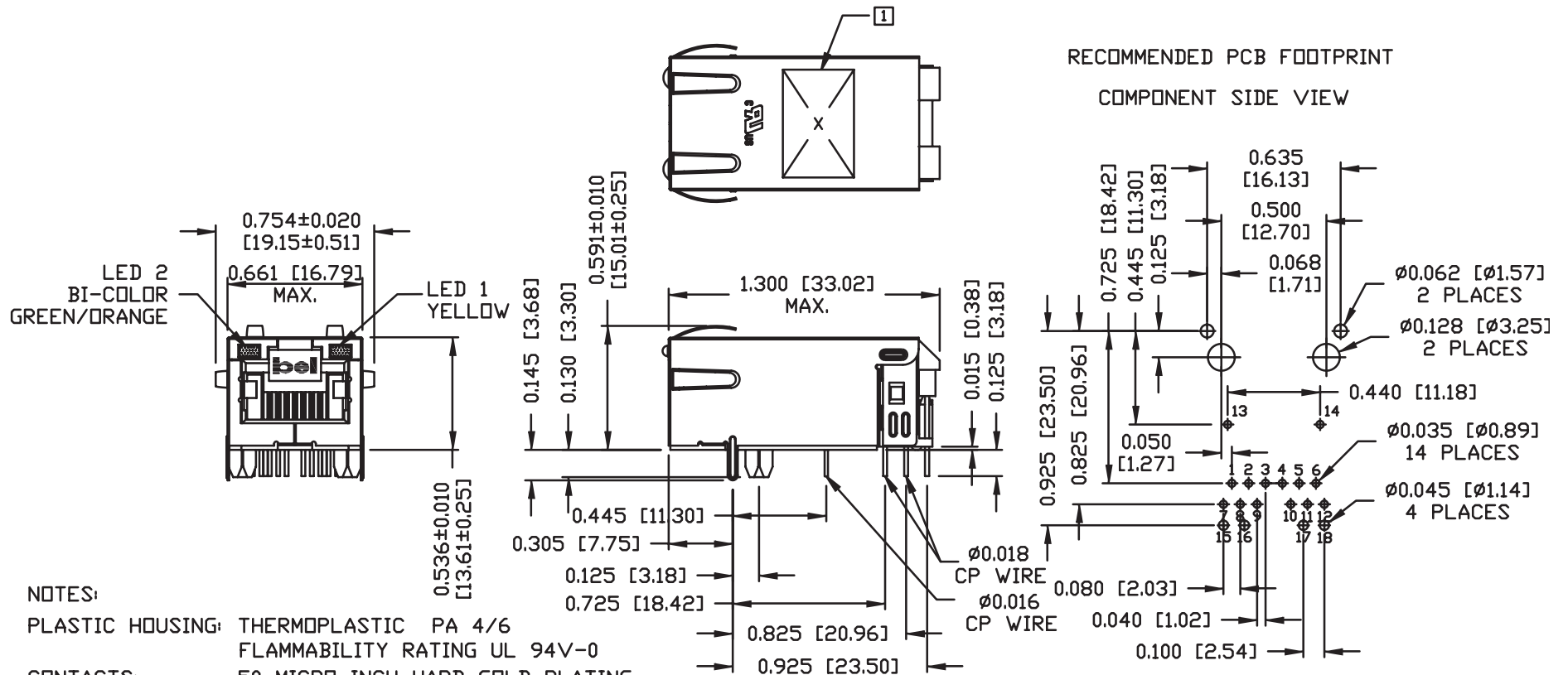
| | | | |
|--------------------------|---------|--------|------------|
| VF (FORWARD VOLTAGE) | IF=20mA | GREEN | 2.2V TYP. |
| λD (DOMINANT WAVELENGTH) | IF=20mA | ORANGE | 2.0V TYP. |
| | | GREEN | 565nm TYP. |
| | | ORANGE | 610nm TYP. |

BALANCED DC LINE CURRENT 350 mA MAX. @ 57 VDC CONTINUOUS
500 mA MAX. @ 57 VDC FOR 200 MILLISECONDS



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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 0.016 AND DIA 0.018 INCH.
- SOLDERABILITY: PER MIL STD. 202, METHOD 208. OUTPUT PINS:
- METAL SHIELD: TIN/LEAD PLATED ON COPPER ALLOY.

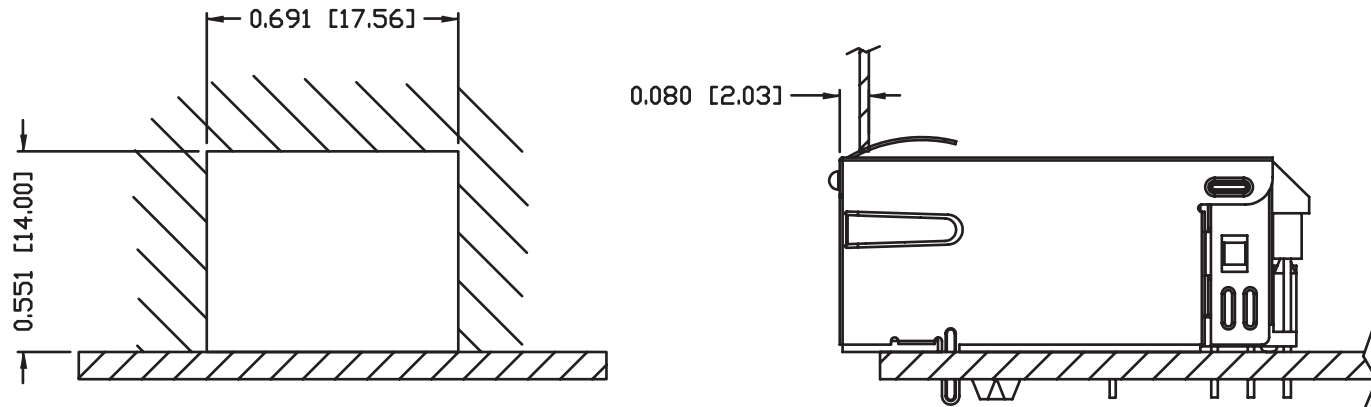
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

US UL RECOGNIZED - FILE #E196366 AND E169987.

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SUGGESTED PANEL OPENING



NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200-9999-F6 (TOP)
0200-9999-F7 (BOTTOM)

PACKING QUANTITY : 40 PCS FINISHED GOODS PER TRAY
10 TRAYS (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)