

INTEGRATED CONNECTOR MODULES

L830-1J1T-47 10/100Base-TX Ultra Low Profile Single Port MagJack® with LEDs



LED1 POLARITY			LED2 POLARITY			
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	PIN 17	COLOR
-	+	YELLOW	-	+	/	ORANGE
/	/	/	-	+	-	GREEN
/	/	/	-	+	-	MIXED YELLOW

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO
 TX 1CT : 1
 RX 1CT : 1
QCL @ 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) @100 OHMS ±15%
 0.5MHz-40MHz -18 dB
 40MHz-100MHz -12+20LOG(f/80MHz) dB

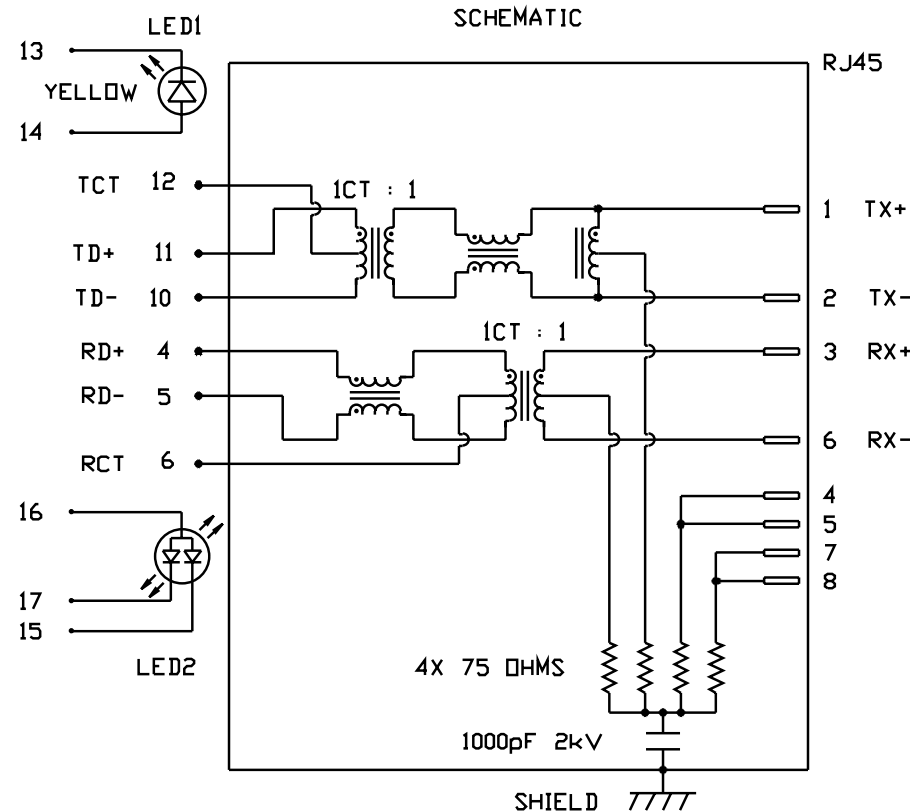
CM TO CM REJ
 100kHz - 100MHz -30 dB MIN
CM TO DM REJ
 100kHz - 100MHz -35 dB MIN
HIPOT (Isolation Voltage): 1500 Vrms 2250 VDC
 100% OF PRODUCT TESTED IN PRODUCTION

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.
 ORANGE 2.0V TYP.

λD (DOMINANT WAVELENGTH) IF=20mA GREEN 565nm TYP.
 ORANGE 610nm TYP.

MIXED YELLOW DOES NOT HAVE SPECIFIC WAVELENGTH.

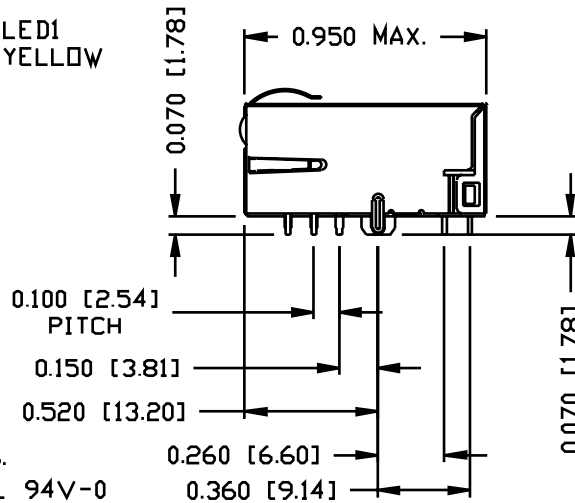
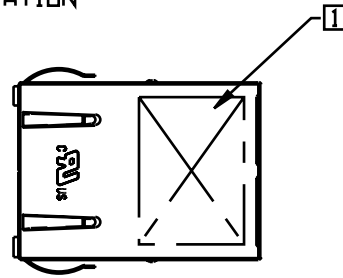
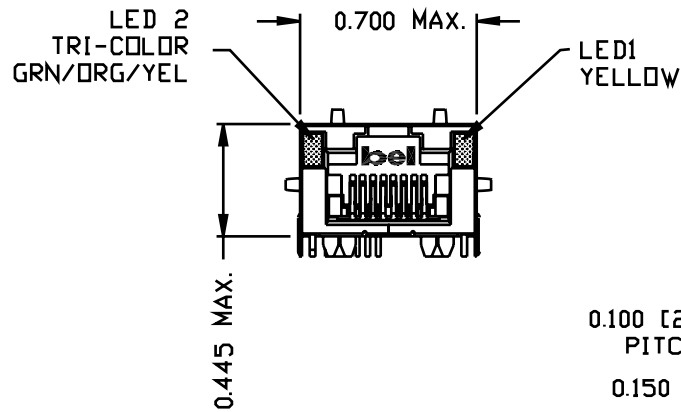


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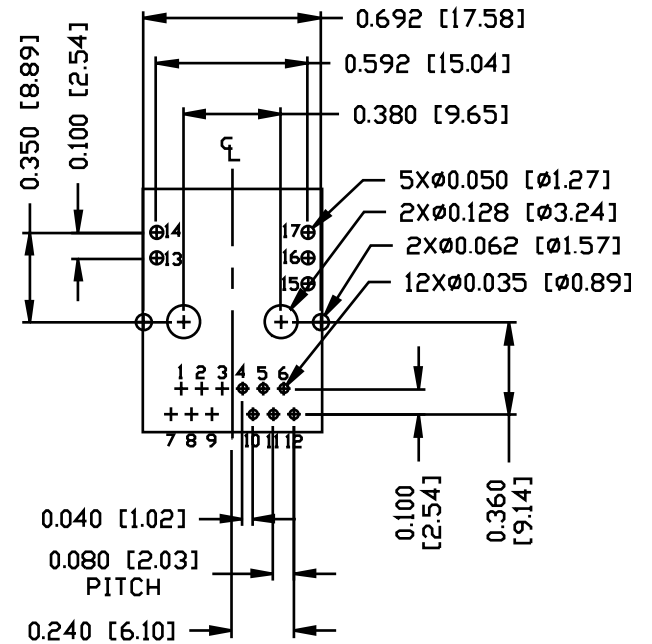
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MECHANICAL SPECIFICATION



RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



NOTES:

- PLASTIC HOUSING: THERMOPLASTIC PA 4/6.
FLAMMABILITY RATING UL 94V-0
- CONTACTS: 30 MICRO-INCH HARD GOLD PLATING
- OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
- SOLDERABILITY: PER MIL STD. 202, METHOD 208.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)

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

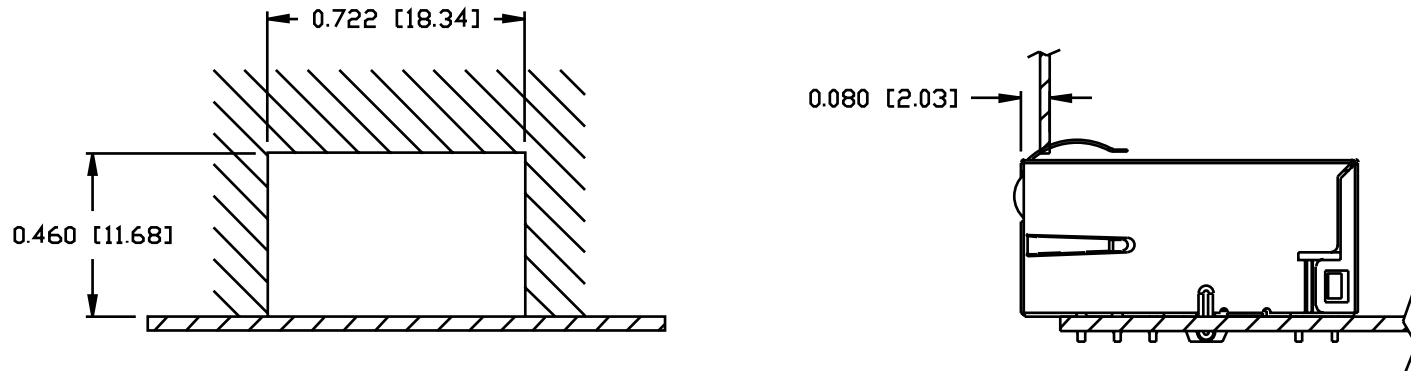
US UL RECOGNIZED - FILE #E196366 AND E169987.

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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-E4 (TOP)
0200-9999-E5 (BOTTOM)

PACKING QUANTITY : 60 PCS FINISHED GOODS PER TRAY
11 TRAYS (660 PCS FINISHED GOODS) PER CARTON BOX

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