

## INTEGRATED CONNECTOR MODULES

### L829-1X1T-91 10/100Base-TX Ultra Low Profile MagJack®



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

#### ELECTRICAL CHARACTERISTICS @ 25°C

##### URNS RATIO

TX 1CT : 1

RX 1CT : 1

##### 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) @ 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 or 2250 VDC

100% OF PRODUCT TESTED IN PRODUCTION

##### 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.

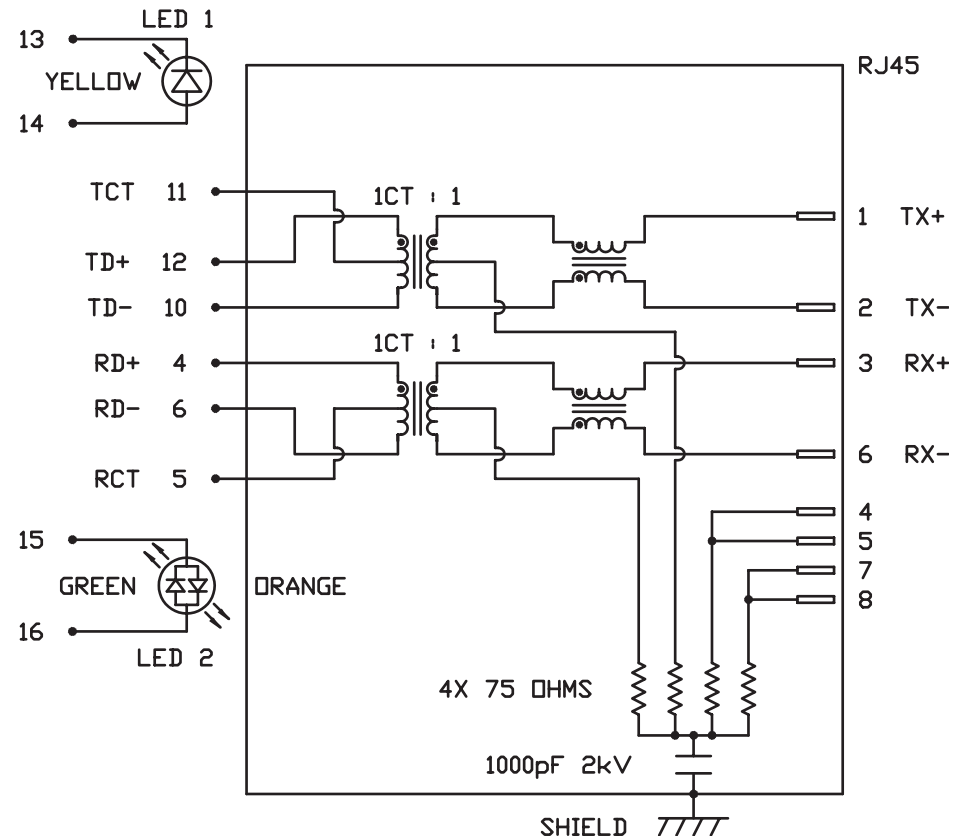
##### LED 2

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.

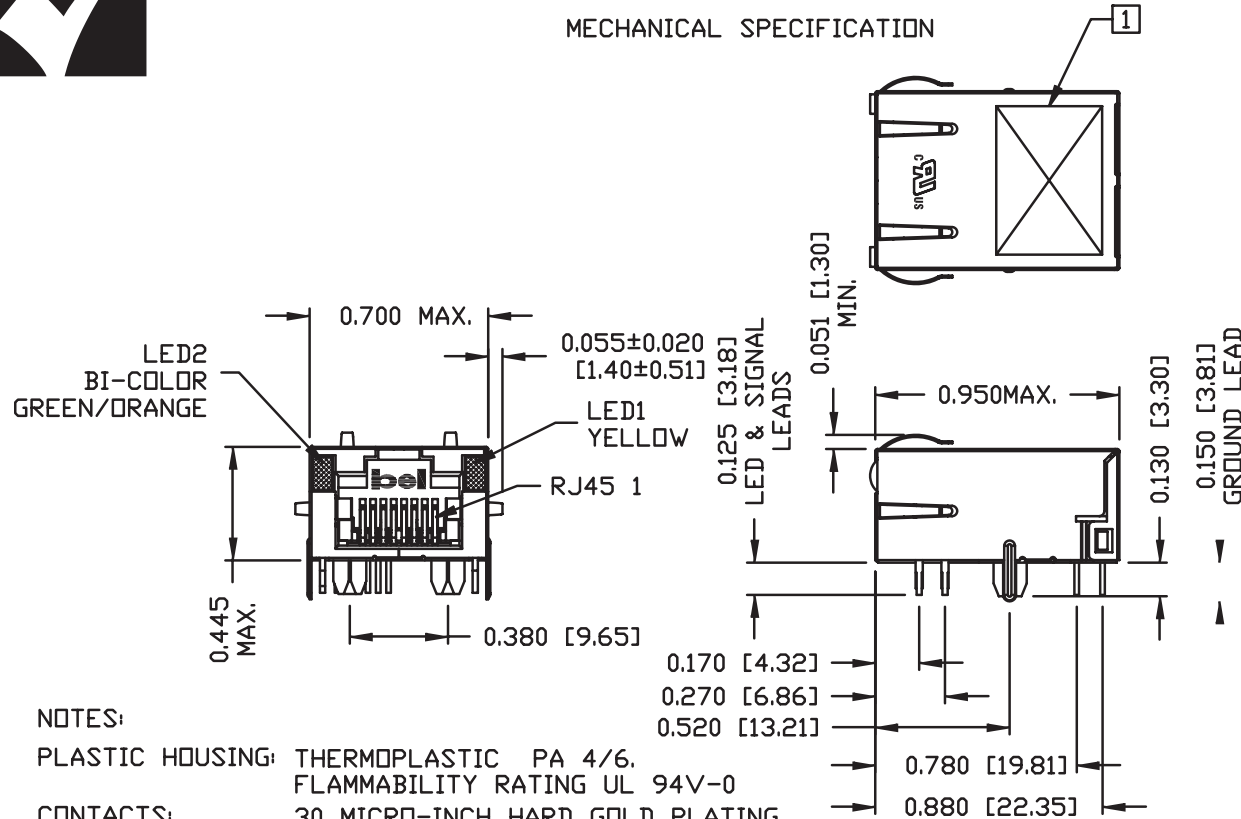
ORANGE 610nm TYP.



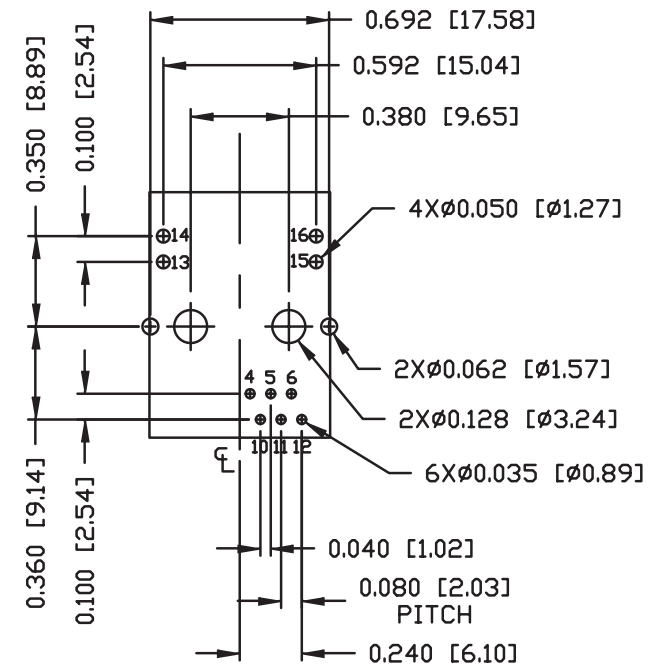
# INTEGRATED CONNECTOR MODULES L829-1X1T-91 10/100Base-TX Ultra Low Profile MagJack®



## MECHANICAL SPECIFICATION



## RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



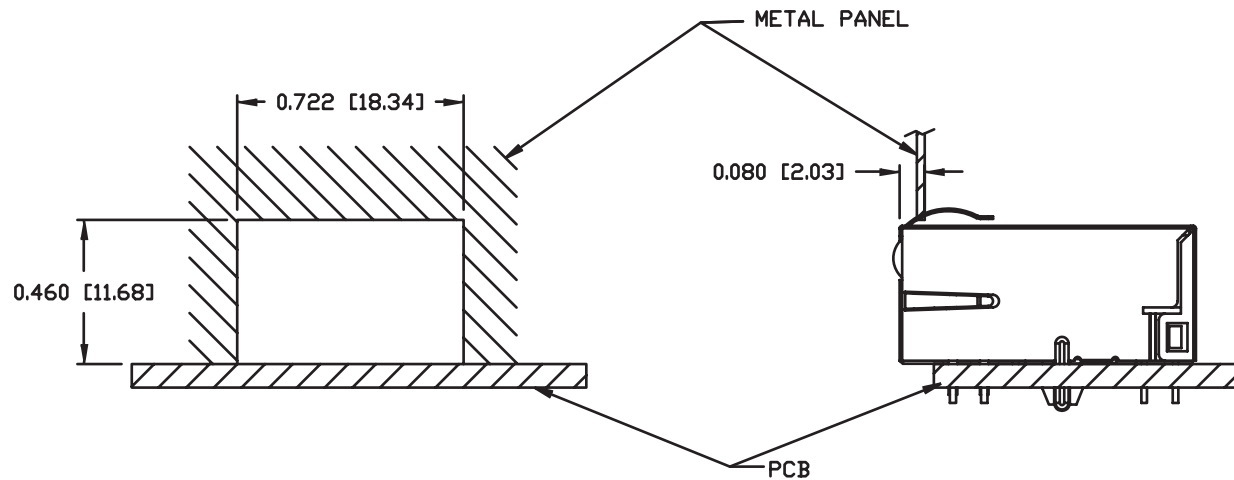
### NOTES:

1. PLASTIC HOUSING: THERMOPLASTIC PA 4/6, FLAMMABILITY RATING UL 94V-0
2. CONTACTS: 30 MICRO-INCH HARD GOLD PLATING
3. OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
4. METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
5. (ALL GROUND LEADS ARE SOLDER DIPPED)
6. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER AND DATE CODE.
7. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
8. UL US UL RECOGNIZED - FILE #E196366 AND E169987.

# **INTEGRATED CONNECTOR MODULES** **L829-1X1T-91 10/100Base-TX Ultra Low Profile MagJack®**



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.

## TRAY 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)