

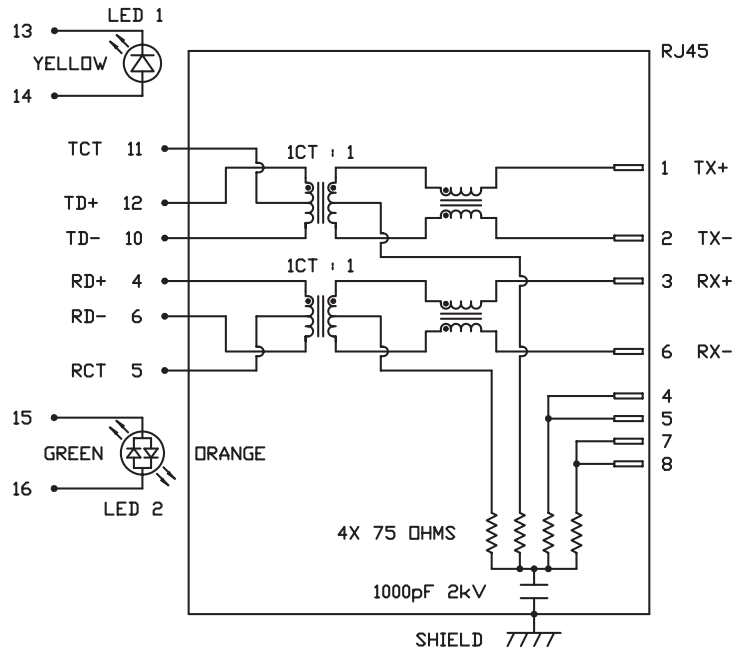
INTEGRATED CONNECTOR MODULES
L829-1X1T-91 10/100Base-TX Ultra Low Profile MagJack®



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

ELECTRICAL CHARACTERISTICS @ 25°C

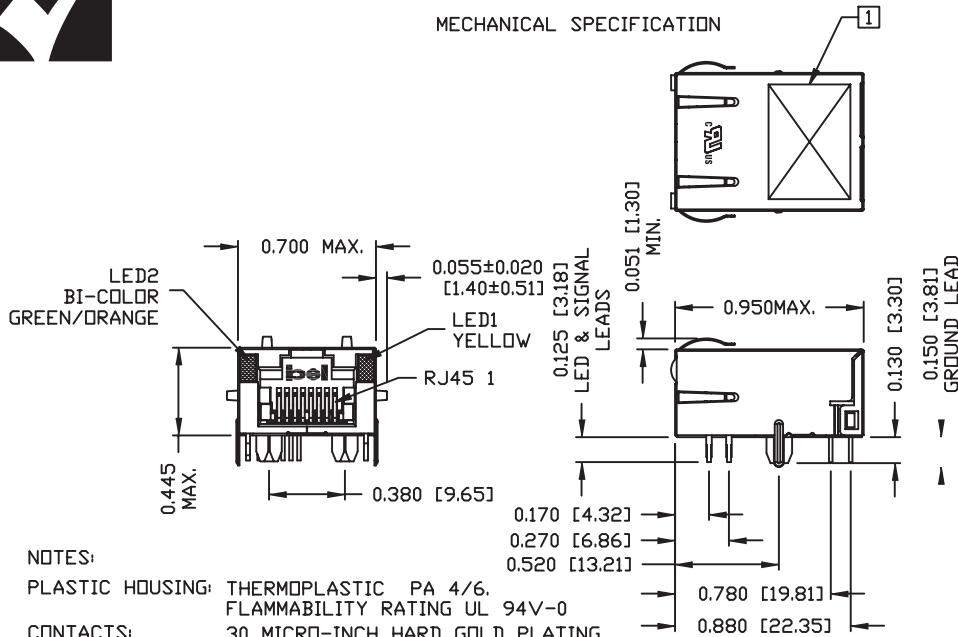
URNS RATIO		
TX	1CT : 1	
RX	1CT : 1	
DCL @ 100kHz/100mVRMS	(0-70°C)	
8mA DC BIAS	350µH MIN.	
INS. LOSS		
0.1MHz TO 1MHz	-1.1 dB MAX	
1MHz TO 65MHz	-0.5 dB MAX	
65MHz TO 100MHz	-0.8 dB MAX	
100MHz TO 125MHz	-1.2 dB MAX	
RET. LOSS (MIN) @ 100 OHMS	+/- 15%	
0.5MHz-40MHz	-18 dB	
40MHz-100MHz	-12+20LOG(f/80MHz) 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 _F (FORWARD VOLTAGE)	IF=20mA	YELLOW 2.1V TYP.
λ _D (DOMINANT WAVELENGTH)	IF=20mA	YELLOW 590nm TYP.
LED 2		
V _F (FORWARD VOLTAGE)	IF=20mA	GREEN 2.2V TYP.
		ORANGE 2.0V TYP.
λ _D (DOMINANT WAVELENGTH)	IF=20mA	GREEN 565nm TYP.
		ORANGE 610nm TYP.



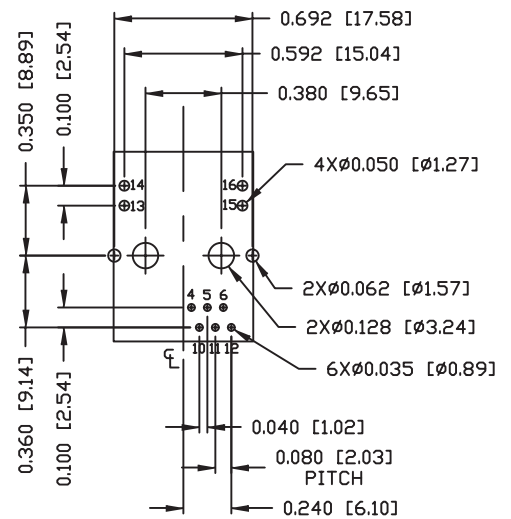
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MECHANICAL SPECIFICATION



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. (ALL GROUND LEADS ARE SOLDER DIPPED)

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

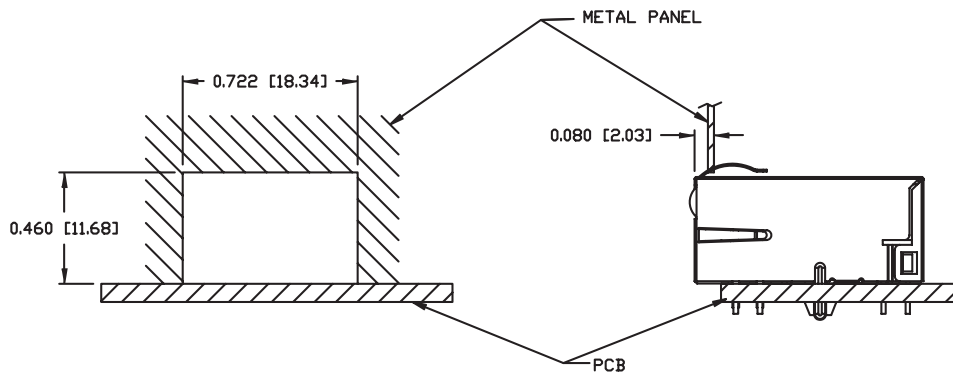
2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

UL 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.

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)