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PRELIMINARY

RoHS  
2002/95/EC



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**

**TURNS RATIO**  
 TX 1CT : 1  
 RX 1CT : 1

**OCL @ 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

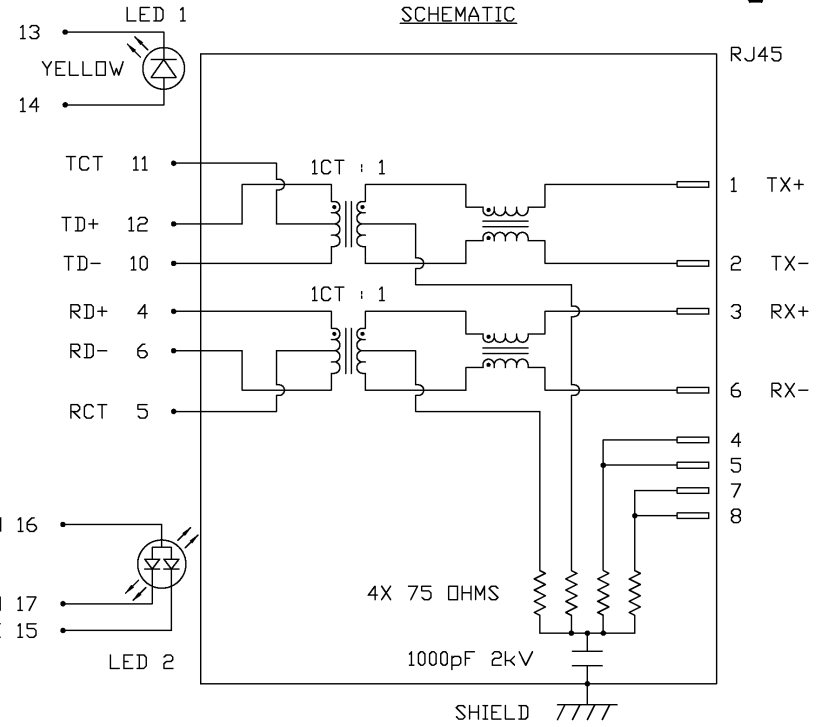
**HIPOT (Isolation Voltage):** 1500 Vrms or 2250 VDC

100% OF PRODUCT TESTED IN PRODUCTION

**LED 1**  
 VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. GREEN 17  
 λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP. ORANGE 15

**LED 2**  
 VF (FORWARD VOLTAGE) IF=20mA YELLOW GREEN 2.2V TYP.  
 AMBER 2.1V TYP.  
 λD (DOMINANT WAVELENGTH) IF=20mA YELLOW GREEN 570nm TYP.  
 AMBER 607nm TYP.

MIXED YELLOW DOES NOT HAVE SPECIFIC WAVELENGTH.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
CHUNG	10-27-05	10/100 MagJack® (Ultra Low Profile)	L829-1JX1-91	.X	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
DE	10-27-05		L8291JX191PA.DWG	.XXX	PAGE : 2



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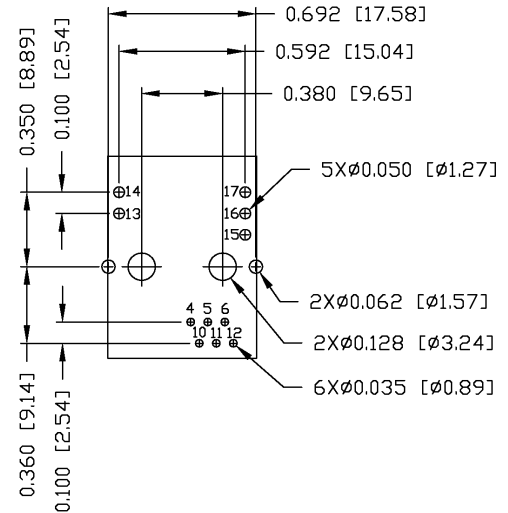
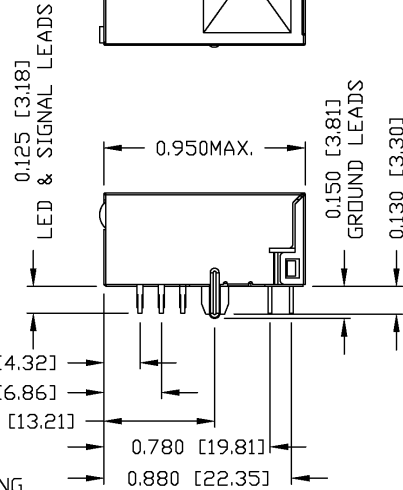
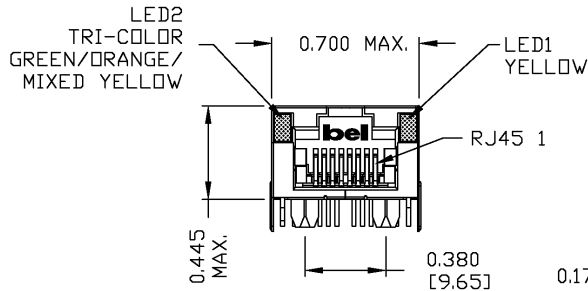
RoHS  
2002/95/EC



MECHANICAL SPECIFICATION

PRELIMINARY

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.
- METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
- (ALL GROUND LEADS ARE SOLDER DIPPED)

1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER (L829-1JX1-91), AND DATE CODE.

UL RECOGNIZED - FILE #E196366 AND E169987.

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

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QIN/BILL	10-27-05	10/100 MagJack® (Ultra Low Profile)	L829-1JX1-91	.X	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
JOLLY	10-27-05		L8291JX191PA.DWG	.XXX ±0.010	PAGE : 3

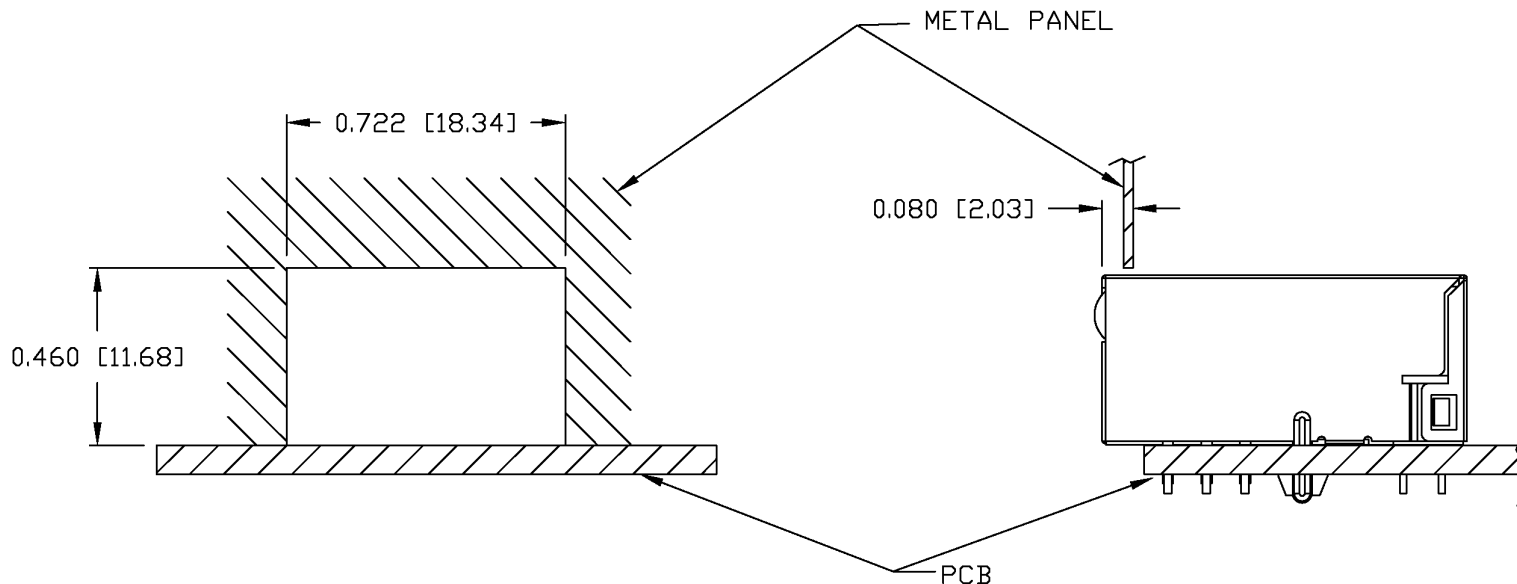


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PRELIMINARY



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)

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DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
JOLLY	10-27-05		L8291JX191PA.DWG	.XXX	±0.004
					PAGE : 4

