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



**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 (0°C - 70°C) 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) @ 100OHMS ±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**

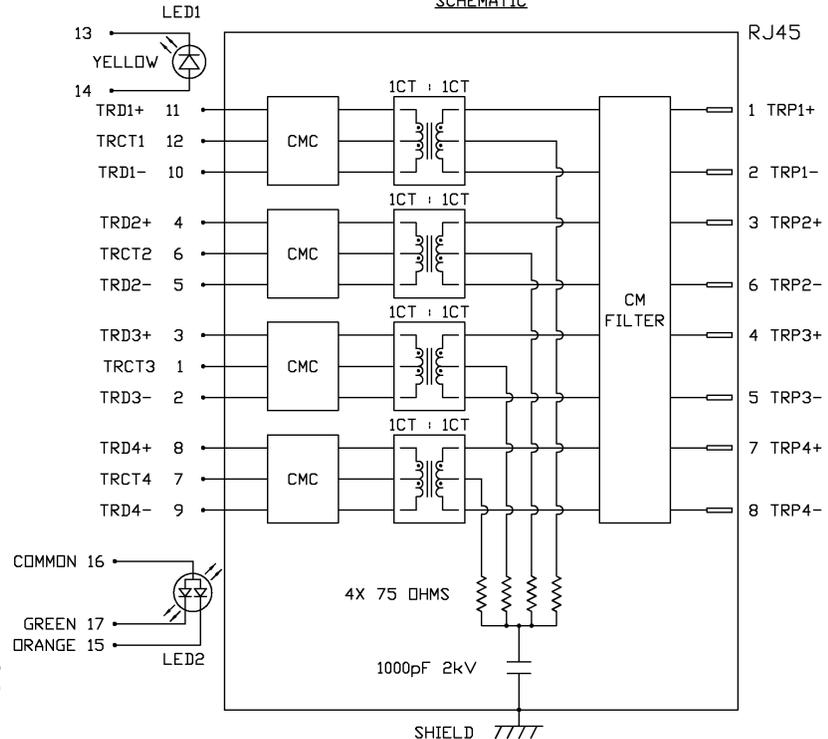
VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.  
 λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

**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.

**SCHEMATIC**

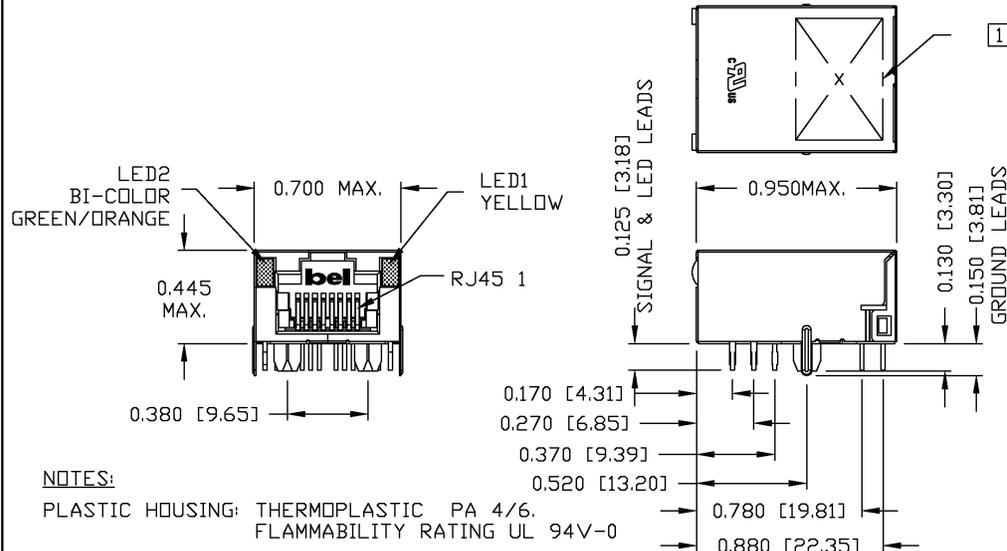


ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
CHUNG	08-15-05	gigabit MagJack® (Ultra Low Profile)	L829-1JX1-D2	.X	UNIT : INCH [mm] REV. : C
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
DE	08-15-05		L8291JX1D2C.DWG	.XXX	PAGE : 2



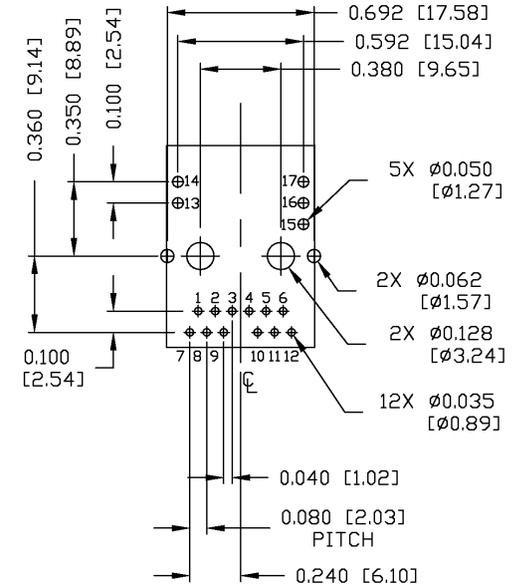
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MECHANICAL SPECIFICATION



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.
- 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-D2) AND DATE CODE.

- UL RECOGNIZED - FILE #E196366 AND E169987.
- RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

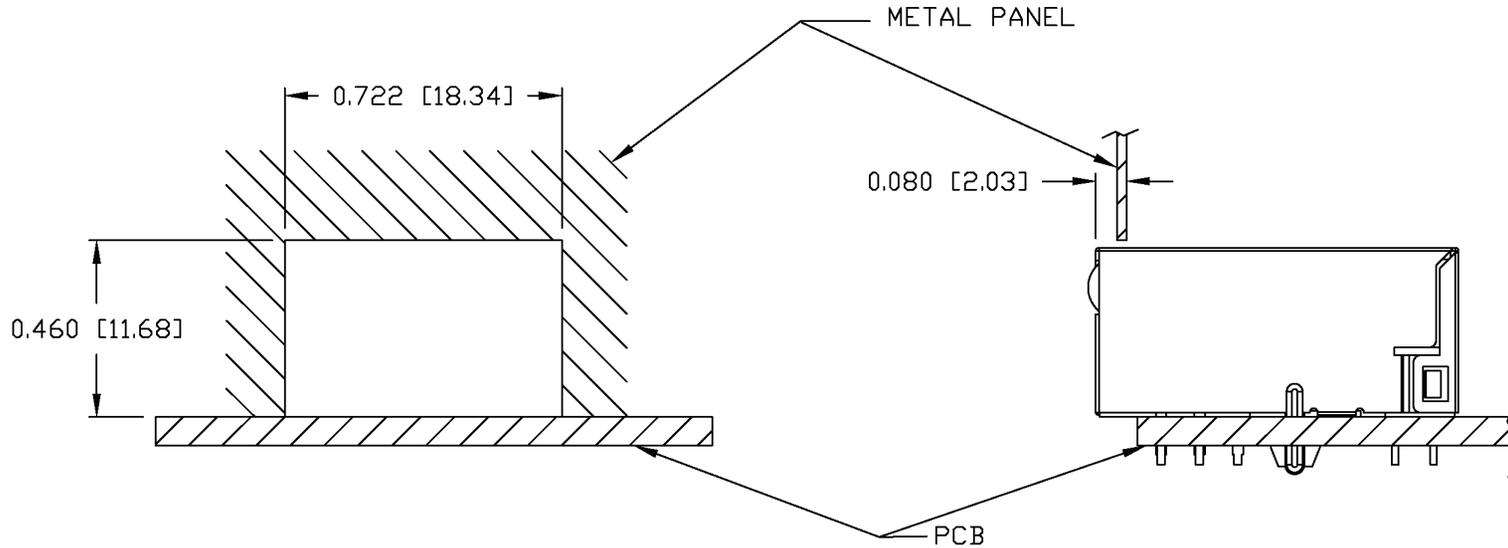
ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[ ] METRIC DIM. AS REFERENCE
BILL	08-15-05	gigabit MagJack® (Ultra Low Profile)	L829-1JX1-D2	.X	UNIT : INCH [mm] REV. : C
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
SALLY	08-15-05		L8291JX1D2C.DWG	.XXX ±0.010	PAGE : 3



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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)

ORIGINATED BY BILL	DATE 08-15-05	TITLE gigabit MagJack® (Ultra Low Profile)	PART NO. / DRAWING NO. L829-1JX1-D2		STANDARD DIM. TOL. IN INCH		[ ] METRIC DIM. AS REFERENCE	
			FILE NAME L8291JX1D2C.DWG		.X .XX .XXX	±0.005	UNIT : INCH [mm]	REV. : C
DRAWN BY SALLY	DATE 08-15-05						SCALE : N/A	SIZE : A4
								PAGE : 4

