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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%

OCL @ 100kHz/100mVRMS

8mA DC BIAS (0°C - 70°C)

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
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CM TO DM REJ

100kHz - 100MHz	-35 dB MIN
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HIPOT (Isolation Voltage): 1500 Vrms or 2250 VDC

100% OF PRODUCT TESTED IN PRODUCTION

LED 1

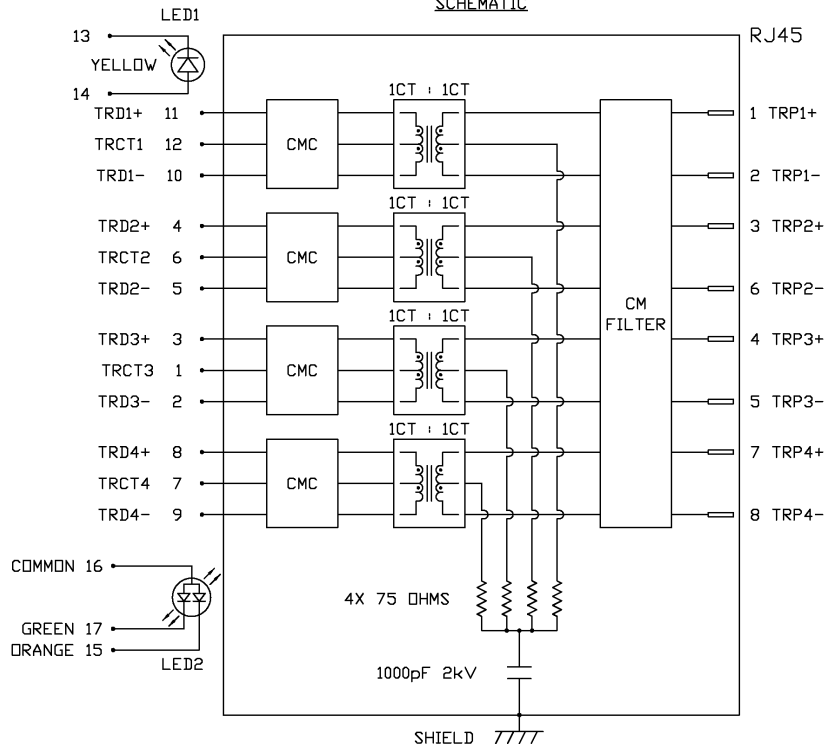
VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP.
 λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP.

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.

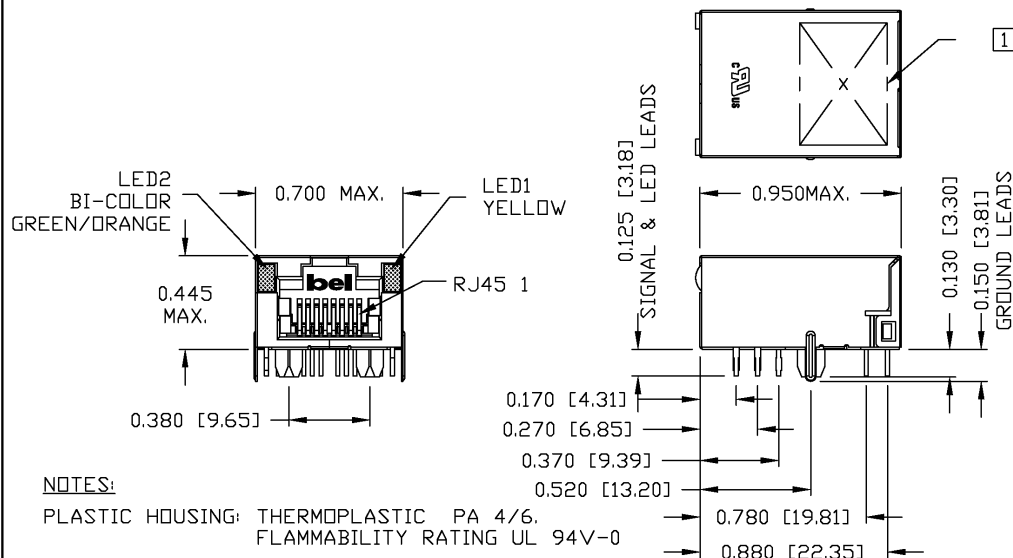
SCHEMATIC



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



MECHANICAL SPECIFICATION



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)

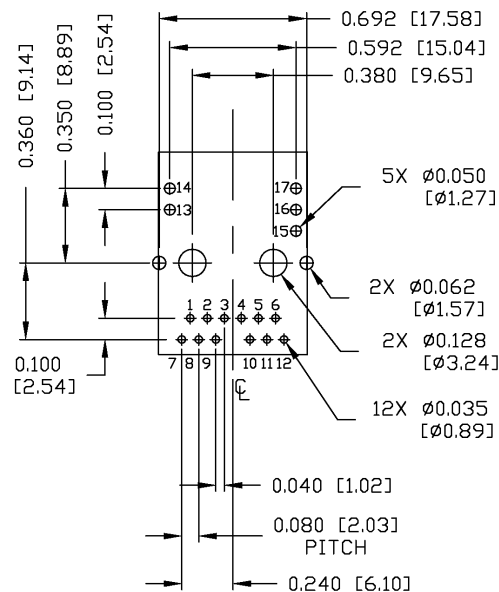
1 MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER (L829-1JX1-D2) AND DATE CODE.

c **UL** RECOGNIZED - FILE #E196366 AND E169987.

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

RECOMMENDED PCB FOOTPRINT

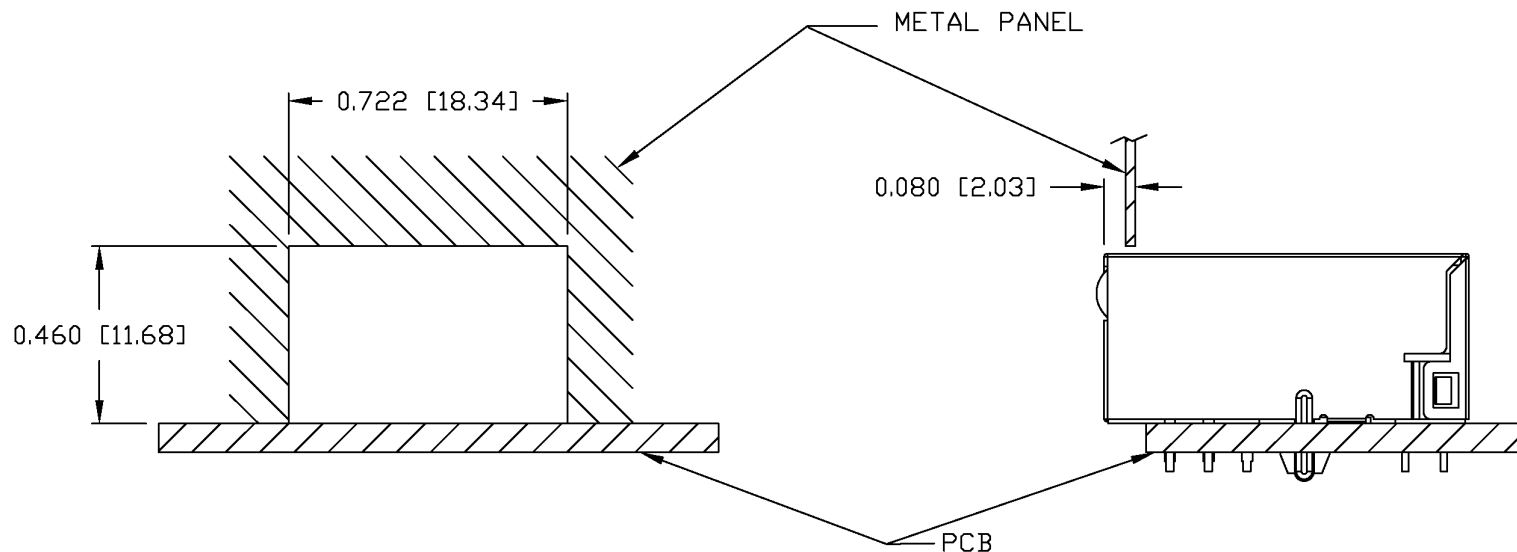
COMPONENT SIDE VIEW



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



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