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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

RoHS 2002/95/EC

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TP1	1CT : 1CT ±2%
TP2	1CT : 1CT ±2%
TP3	1CT : 1CT ±2%
TP4	1CT : 1CT ±2%
OCL @ 100kHz/100mVRMS	350µH MIN.
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
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

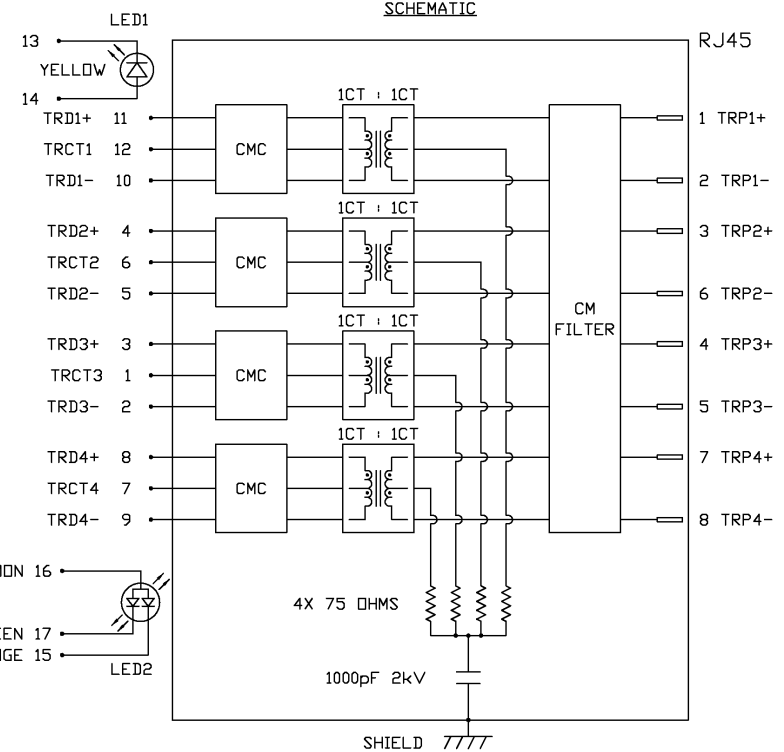
VF (FORWARD VOLTAGE)	IF=20mA	YELLOW 2.1V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA	YELLOW 590nm TYP.

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

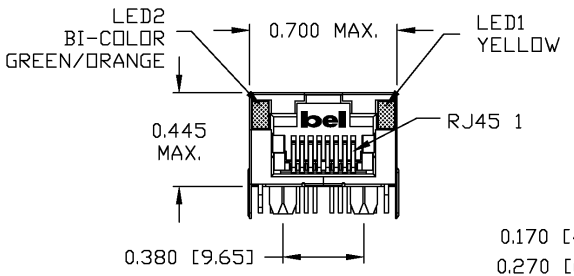
bel COMPONENTS FOR A CONNECTED PLANET

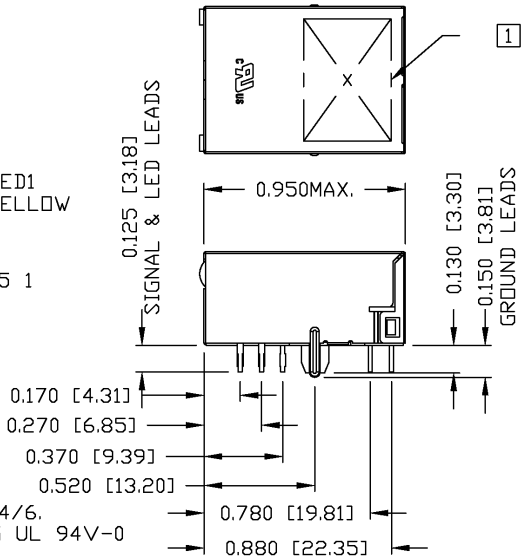
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MECHANICAL SPECIFICATION

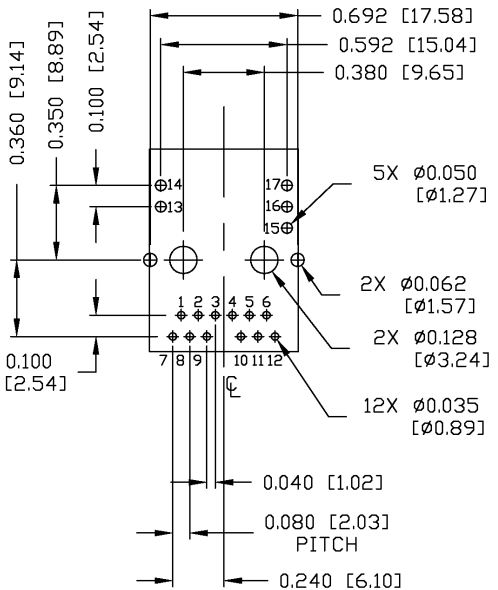
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RECOMMENDED PCB FOOTPRINT

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.

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

2. 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

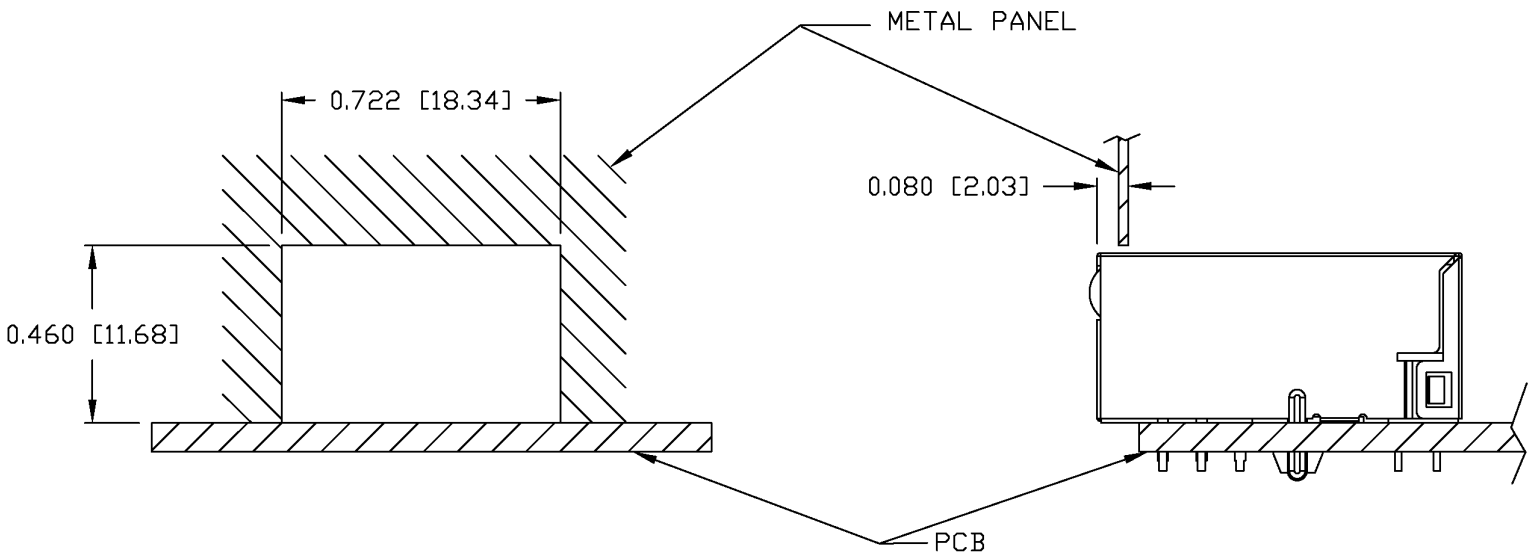
bel COMPONENTS FOR A CONNECTED PLANET

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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	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	±0.005		PAGE : 4

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