

RoHS
2002/95/EC

LED 1 POLARITY			LED 2 POLARITY		
PIN 13	PIN 14	COLOR	PIN 15	PIN 16	COLOR
–	+	GREEN	–	+	GREEN
+	–	ORANGE	+	–	ORANGE

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TP1 1CT : 1CT $\pm 2\%$

TP2 1CT : 1CT $\pm 2\%$

TP3 1CT : 1CT $\pm 2\%$

TP4 1CT : 1CT $\pm 2\%$

□CL @ 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 °HMS +/-15%

0,5MHz-40MHz -18 dB

40MHz-100MHz $-12+20\text{LOG}(f/80\text{MHz})$ dB

CM TO CM REJ

100kHz - 100MHz -30 dB MIN

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms / 2250 VDC

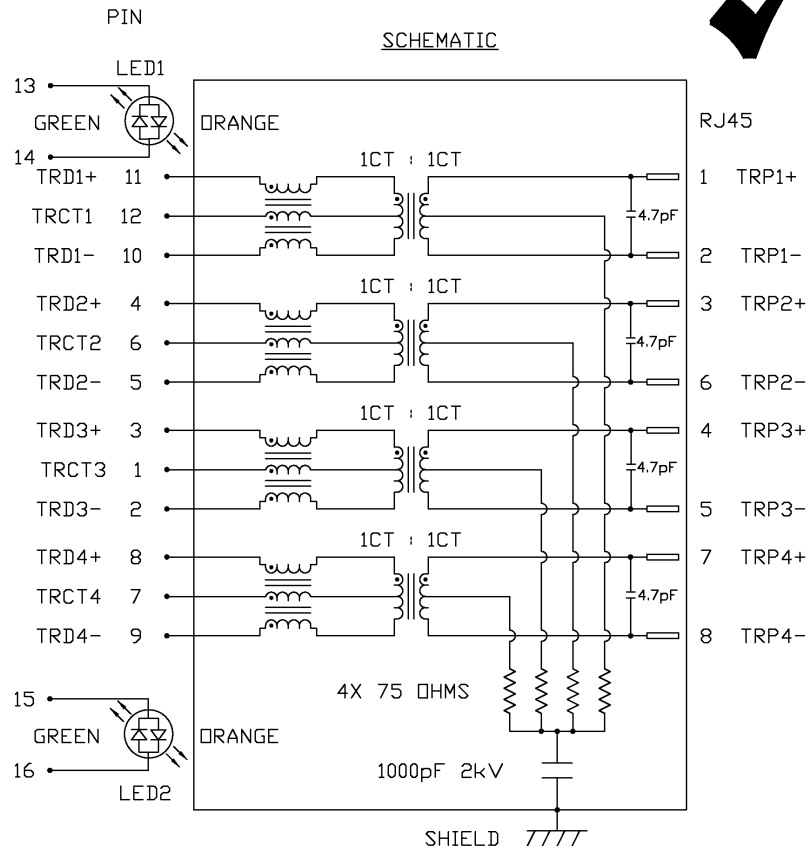
100% OF PRODUCT TESTED IN PRODUCTION

LED 1 & LED2

VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP.

11. GREEN	2.0V TYP.
12. ORANGE	2.0V TYP.

λ D (DOMINANT WAVELENGTH)	IF=20mA	GREEN	565nm TYP.
		ORANGE	610nm TYP.



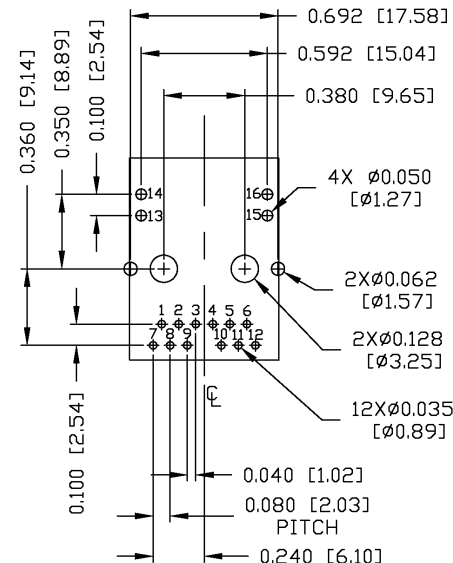
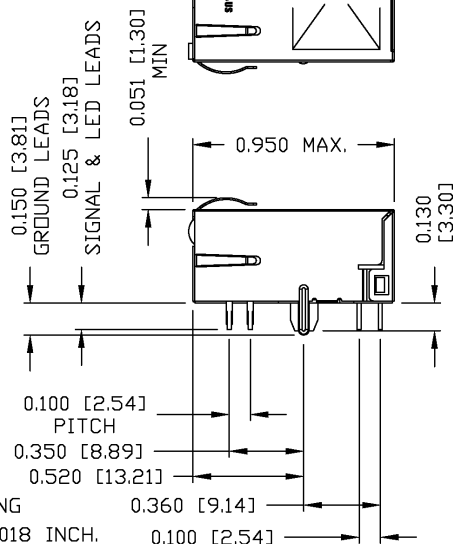
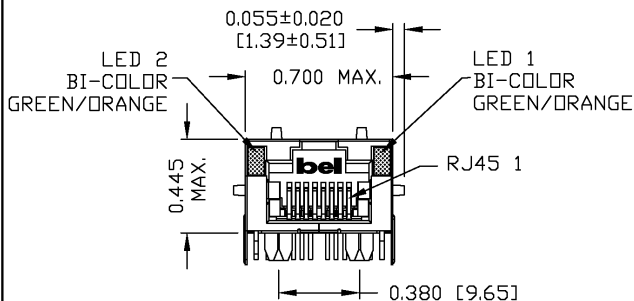
ORIGINATED BY	DATE	TITLE gigabit MagJack® (Ultra Low Profile)	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM. AS REFERENCE		 COMPONENTS ON A CONNECTED PLANET
CHUNG	08-11-05		L829-1B1T-43	TOL. IN INCH		UNIT : INCH [mm] REV. : B		
DRAWN BY	DATE		FILE NAME	.X		SCALE : N/A	SIZE : A4	
DE	08-11-05		L8291B1T43B.DWG	.XX			PAGE : 2	
				.XXX				

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)

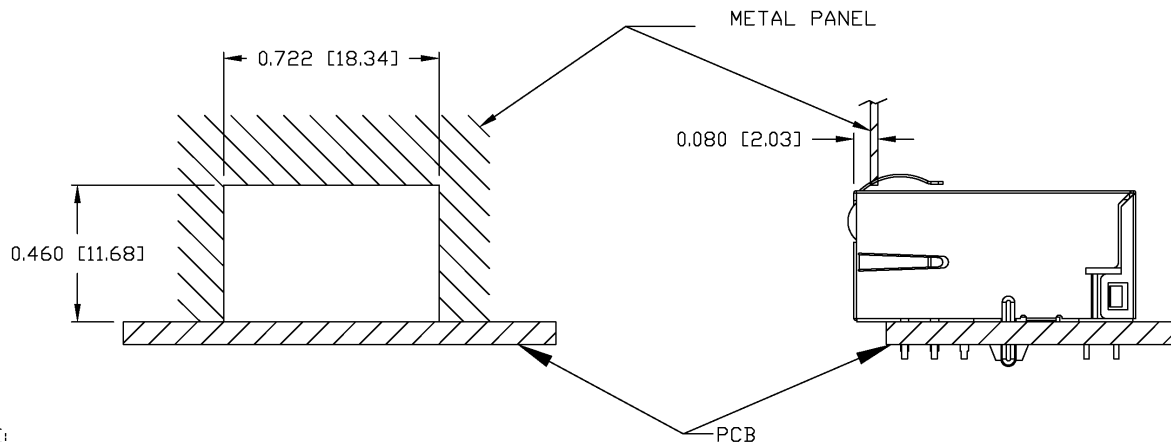
1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER (L829-1B1T-43), AND DATE CODE.

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

UL UL RECOGNIZED - FILE #E196366 AND E169987.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE	 COMPONENTS ON A CONNECTED PLANET
BILL/KEUNG	08-11-05	gigabit MagJack® (Ultra Low Profile)	L829-1B1T-43	TOL. IN INCH	UNIT : INCH [mm]	
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A	
SALLY	08-11-05		L8291B1T43B.DWG	.XX	SIZE : A4	
				.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
BILL/KEUNG	08-11-05	gigabit MagJack® (Ultra Low Profile)	L829-1B1T-43	TOL. IN INCH	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A SIZE : A4
SALLY	08-11-05		L8291B1T43B.DWG	.XX	PAGE : 4
				.XXX ±0.005	