

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)
[L829-1J1T-D2](#)

For any questions, you can email us directly:
sales@integrated-circuit.com



THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

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 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

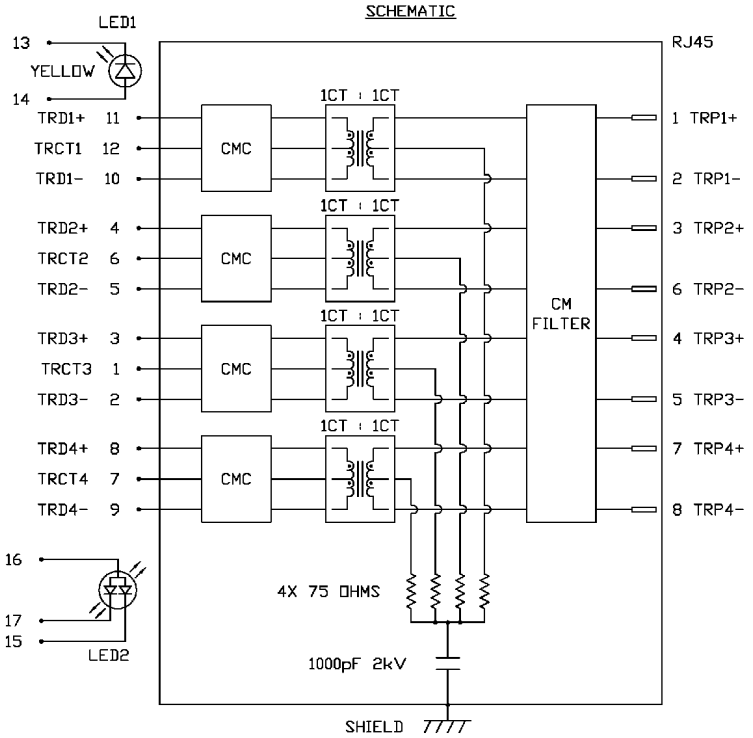
LED 1

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. GREEN 17
 AMBER 2.1V TYP. ORANGE 15
 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.	[] METRIC DIM. AS REFERENCE	 COMPONENTS OF A CONNECTED PLANET	
CHUNG	08-11-05	gigabit MagJack®	L829-1J1T-D2	TOL. IN INCH	UNIT : INCH [mm]		REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A		SIZE : A4
DE	08-11-05		L8291J1TD2B.DWG	.XX			PAGE : 2
				.XXX			

DC002(2)032305

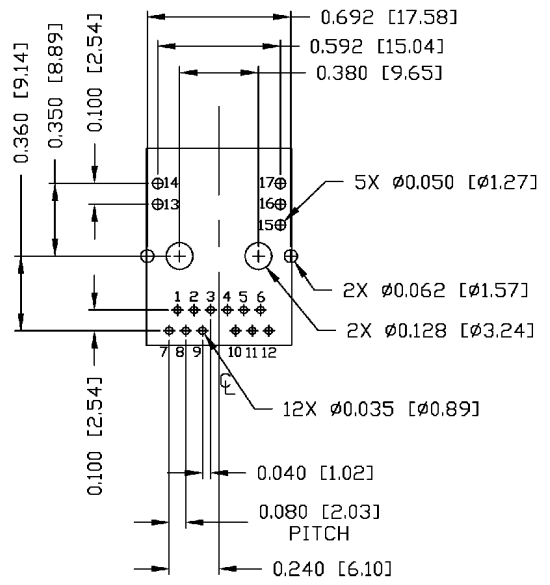
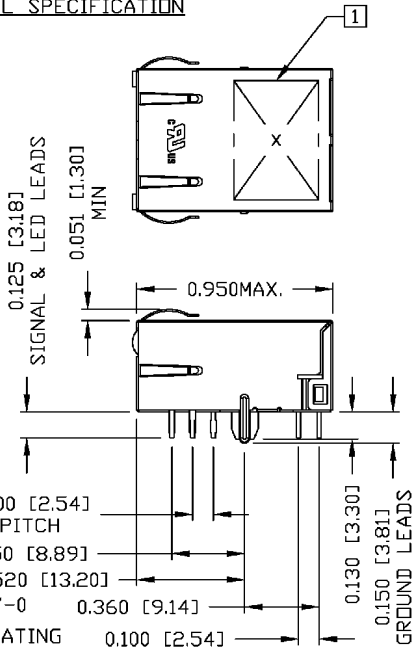
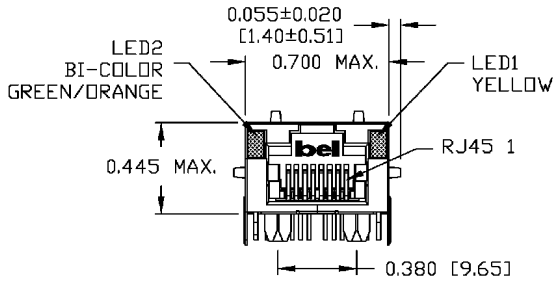
This document is electronically generated. This is a controlled copy if used internally



THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

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 (L829-1J1T-D2) AND DATE CODE.

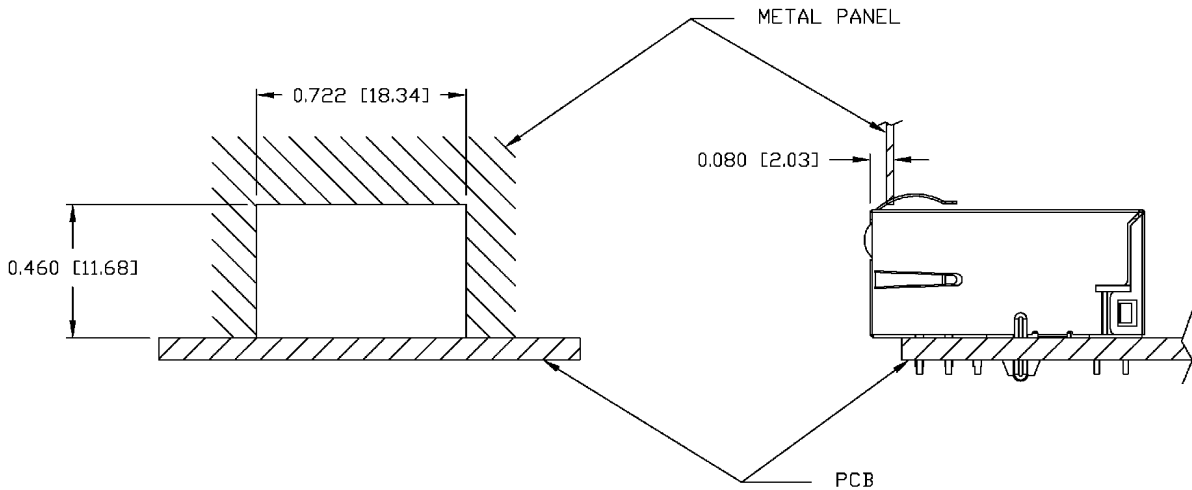
- UL RECOGNIZED - FILE #E196366 AND E169987.
- 2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
BILL	08-11-05	gigabit MagJack®	L829-1J1T-D2	.X	UNIT : INCH [mm] REV. : B
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A SIZE : A4
SALLY	08-11-05		L8291J1TD2B.DWG	.XXX ±0.010	PAGE : 3



THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

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	 COMPONENTS OF A CONNECTED PLANET	
BILL	08-11-05	gigabit MagJack®	L829-1J1T-D2	TOL. IN INCH	UNIT : INCH [mm]		REV. : B
DRAWN BY	DATE		FILE NAME	.X	SCALE : N/A		SIZE : A4
SALLY	08-11-05		L8291J1TD2B.DWG	.XX	±0.005		PAGE : 4
				.XXX			

DC002(2)032305

This document is electronically generated. This is a controlled copy if used internally