

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	COLOR
-	+	GREEN	-	+	GREEN
+	-	ORANGE	+	-	ORANGE

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	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)

0.5MHz-40MHz	-18 dB
40MHz-100MHz	-12+20LOG(f/80MHz) dB

Cross Talk

Ch1-Ch2, Ch2-Ch3, Ch3-Ch4
Ch4-Ch1, Ch2-Ch4, Ch3-Ch1
1MHz - 30MHz -37dB MIN
30MHz - 80MHz -29dB MIN
80MHz - 100MHz -28dB MIN

CM TO DM REJ

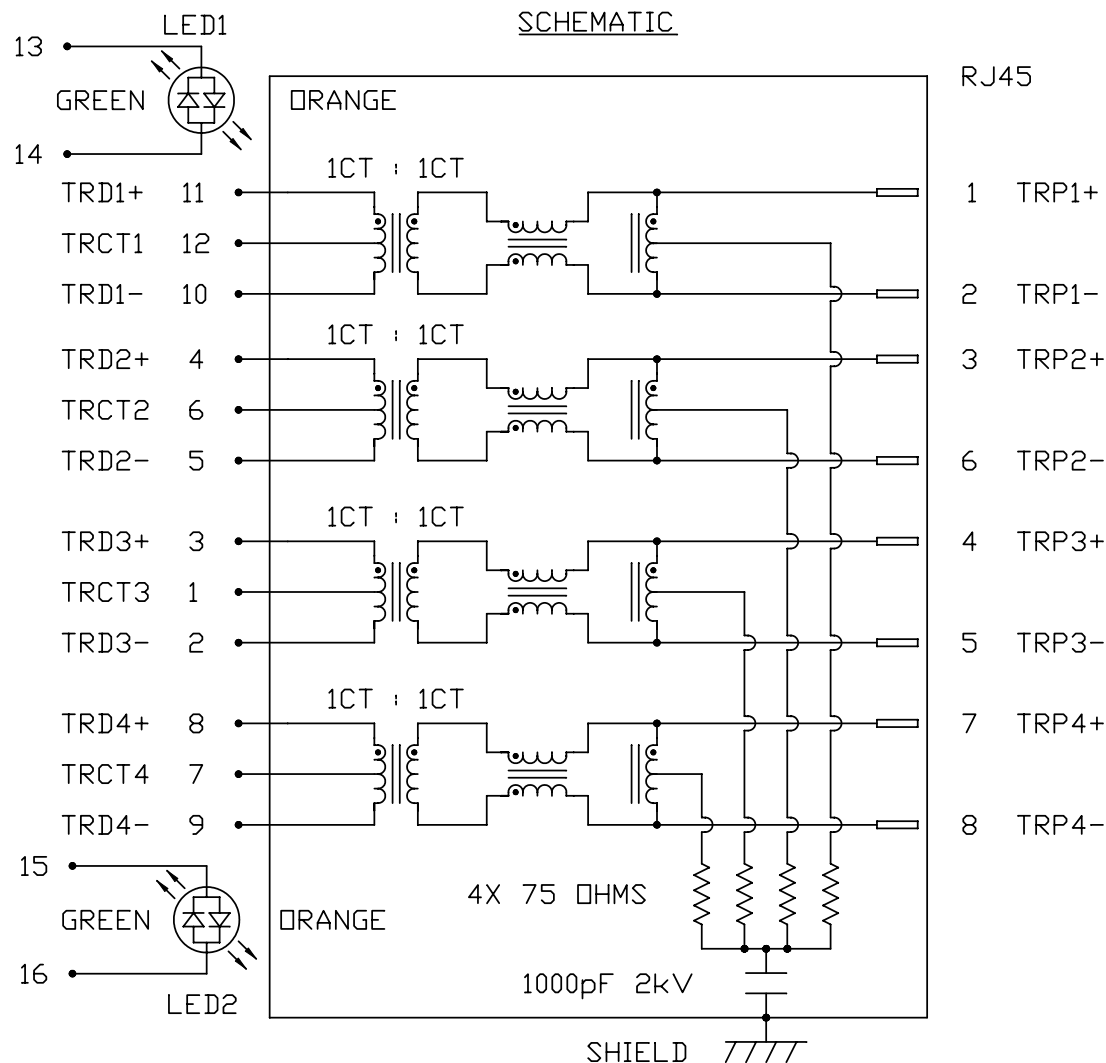
100kHz - 100MHz	-35 dB MIN
-----------------	------------

HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY
WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LED1 & LED2

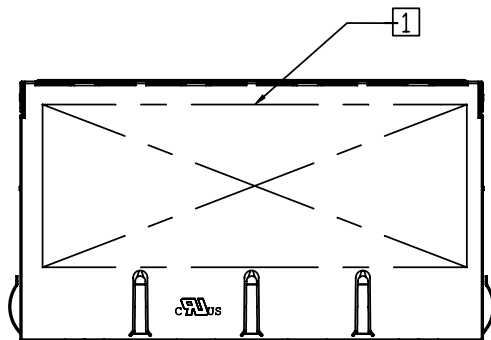
VF (FORWARD VOLTAGE)	IF=20mA GREEN	2.2V TYP.
	ORANGE	2.0V TYP.
λD (DOMINANT WAVELENGTH)	IF=20mA GREEN	565nm TYP.
	ORANGE	610nm TYP.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	05-24-10	1X4 gigabit MagJack® (12 cores, Tab Up)	L826-1B4T-23	TOL. IN INCH	UNIT : INCH [mm] REV. : C
DRAWN BY	DATE			.X	SCALE : N/A SIZE : A4
LEE WEIDE	05-24-10			.XX .XXX	PAGE : 2

bel
COMPONENTS FOR A
CONNECTED
PLANET

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.



NOTES:

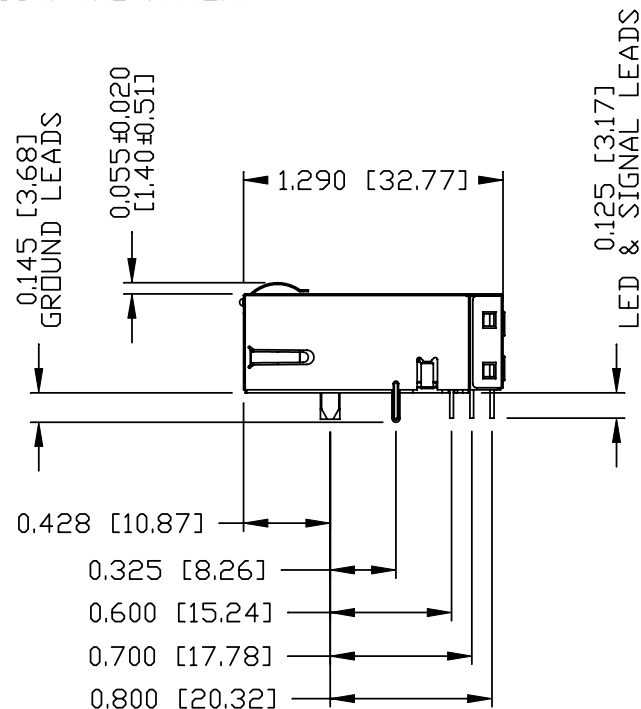
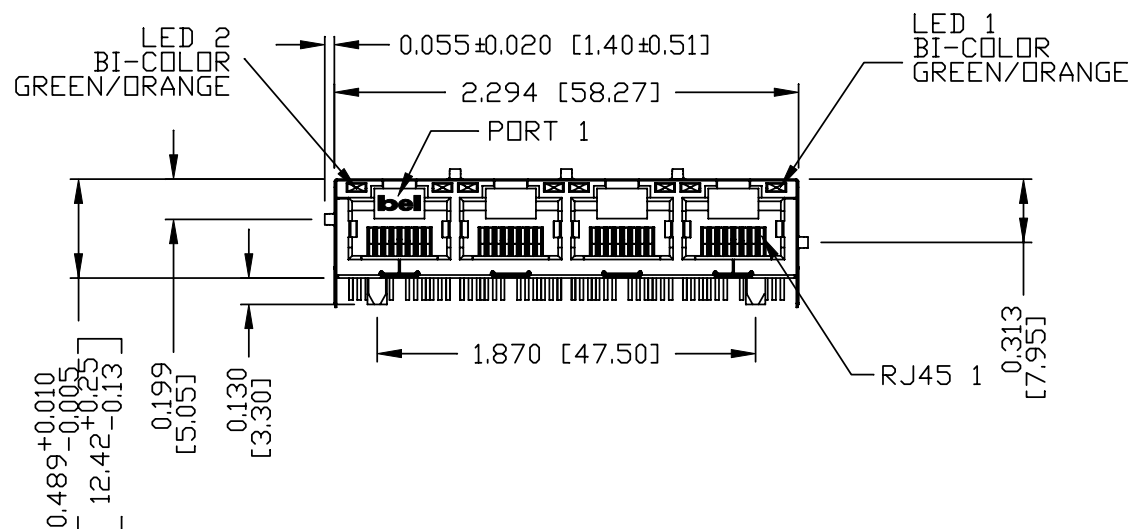
PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACTS PLATING: 50 MICRO-INCH HARD GOLD PLATING
PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKLE PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPING)

1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, DATE CODE AND PATENTED.

cULus UL RECOGNIZED - FILE #E196366 AND E169987.

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

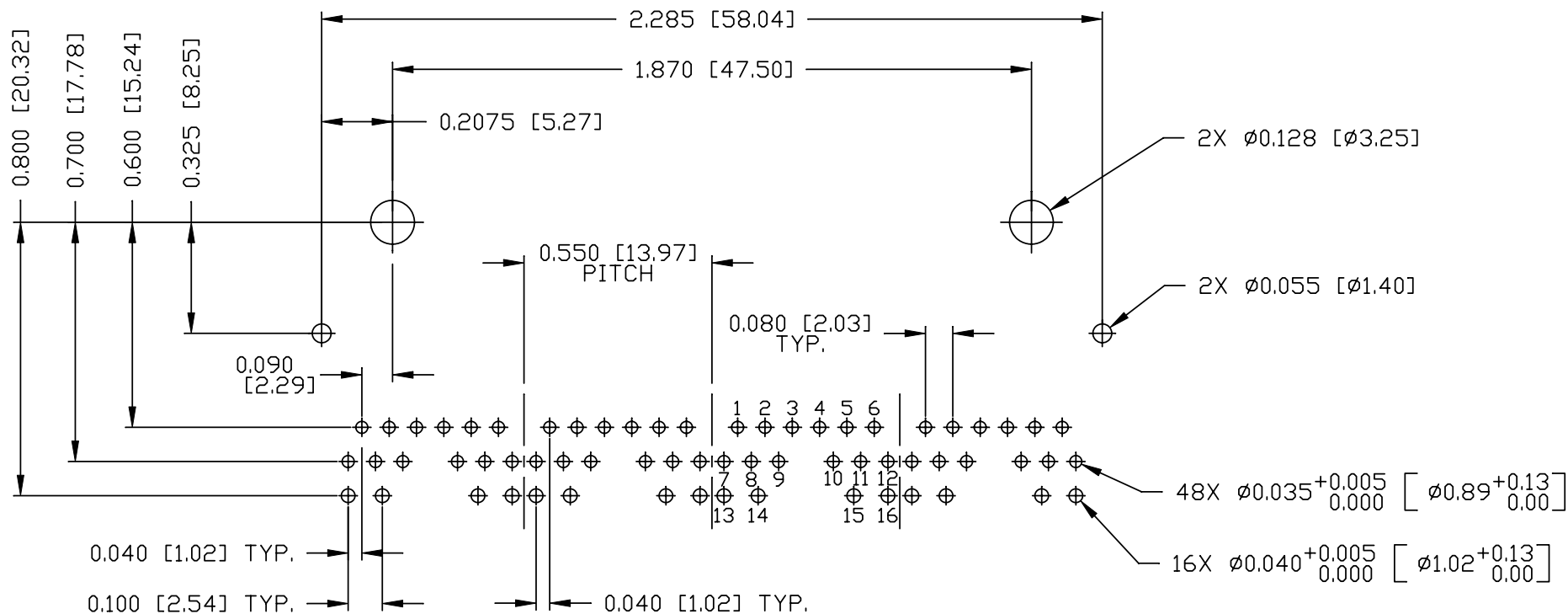
2. THE PRODUCT IS PATENT PRODUCT. THE PATENT
NUMBER IS U.S. PAT. 5,736,910.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
ANTON LIAO	05-24-10	1X4 gigabit MagJack® (12 cores, Tab Up)	L826-1B4T-23	.X	UNIT : INCH [mm]	REV. : C
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
SHAWN FENG	05-24-10		L826-1B4T-23_C.DWG	.XXX ±0.010		PAGE : 3

bel
COMPONENTS FOR A
CONNECTED
PLANET

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.



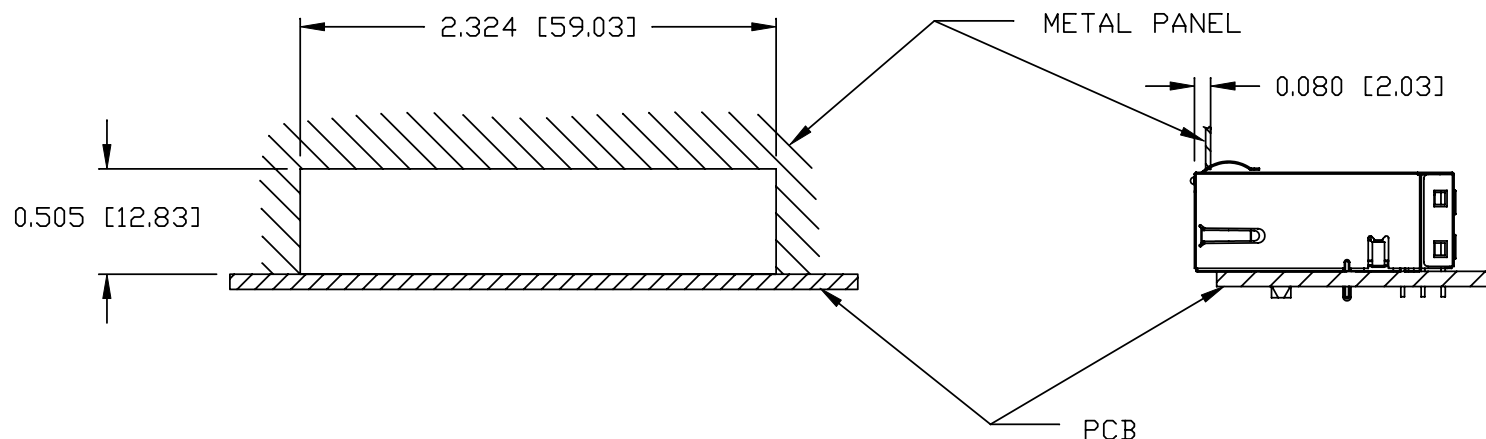
RECOMMENDED PCB FOOTPRINT
(COMPONENT SIDE VIEW)

ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE	
ANTON LIAO	05-24-10	1X4 gigabit MagJack® (12 cores, Tab Up)	L826-1B4T-23	.X	UNIT : INCH [mm]	REV. : C
DRAWN BY	DATE		FILE NAME	.XX	SCALE : N/A	SIZE : A4
SHAWN FENG	05-24-10		L826-1B4T-23_C.DWG	.XXX ± 0.004		PAGE : 4



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.

PACKING INFORMATION

PACKING TRAY: 0200-9999-D3 (TOP)

0200-9999-B5 (BOTTOM)

PACKING QUANTITY: 24 PCS FINISHED GOODS PER TRAY

10 TRAYS (240PCS FINISHED GOODS) PER CARTON BOX

REMARK: 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
ANTON LIAO	05-24-10	1X4 gigabit MagJack® (12 cores, Tab Up)	L826-1B4T-23 FILE NAME L826-1B4T-23_C.DWG	.X	UNIT : INCH [mm] REV. : C
DRAWN BY	DATE			.XX	SCALE : N/A SIZE : A4
SHAWN FENG	05-24-10			.XXX ±0.004	PAGE : 5

