THE INFORMATION CONTAINED HEREIN IS CONSIDERED RoHS LED 1 POLARITY LED 2 POLARITY "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE **PIN 18** COLOR **PIN 17** PIN 19 PIN 20 COLOR PRELIMINARY WRITTEN APPROVAL OF BEL FUSE INC. YELLOW DRANGE GREEN ELECTRICAL CHARACTERISTICS @ 25°C TURNS RATIO LED 1 SCHEMATIC TP1 1CT : 1CT ±2% RJ45 PIN 17 TP2 1CT : 1CT ±2% 10T : 10T YELLOW TP3 1CT : 1CT ±2% TRD1+ 11 1 TRP1+ TP4 1CT : 1CT ±2% 18 TRCT1 12 ← DCL @ 100kHz/100mVRMS 8mA DC BIAS (0°C - 70°C) 180 µH MIN. 2 TRP1-TRD1-10 1CT : 1CT 19mA DC BIAS (0°C - 70°C) 120 µH MIN. TRD2+ 3 TRP2+ INS. LOSS TRCT2 6 1MHz TD 150MHz -0.004(fMHz)-0.4 dB MAX  $\leq$ TRD2--5 6 TRP2-一 RET. LOSS 1CT : 1CT  $\Box$ 4 TRP3+ -50 qB WIN TRD3+ 1MHz-40MHz -20+15| DG(f/40MH7) dB MIN 40.1MHz-150MHz TRCT3 1 CROSSTALK 5 TRP3-TRD3- 2 1MHz - 40MHz -35 dB MIN 1CT : 1CT 7 TRP4+ TRD4+ 8 40.1MHz-150MHz  $-35+15L\Box G(f/40MHZ)$  dB MIN 70 TRCT4 7 ◆ CM TO CM REJ 1MHz - 150MHz -25 dB MIN 8 TRP4-TRD4- 9 HIPOT (Isolation Voltage): 2250 VDC VC12 13 100% OF PRODUCTION TESTED TO COMPLY WITH VC36 14 IEEE 802.3 ISOLATION REQUIREMENTS. VC45 15 BALANCED DC LINE CURRENT 720 mA MAX. @ 57 VDC CONTINUOUS 1.2A MAX. @ 57 VDC FOR 200 MILLISECONDS VC78 16 ◆ LED 1 4X22nF 100V VF (FORWARD VOLTAGE) IF=20mA YELLOW 2,1V TYP, λD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP. 4X75 DHMS 19 LED 2 VF (FORWARD VOLTAGE) IF=20mA GREEN 2.2V TYP. DRANGE **GREEN** DRANGE 2.0V TYP. 1000pF 2kV λD (DOMINANT WAVELENGTH) IF=20mA **GREEN** 570nm TYP. 20 605nm TYP. DRANGE SHIELD LED 2 PΑ 2 REV. : PAGE: ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM [ ] METRIC DIM. CHOW WANCHUNG 2.5 Gigabit MagJack® TOL. IN INCH AS REF. 08261X1THT-F DATE 2015-12-16 4PPoE UNIT : INCH [mm] DRAWN BY FILE NAME 0826-1X1T-HT-F SCALE : N/A MURPHY LEE .XX08261X1THT-F PA.DWG a bel group PATENTED **DATE** 2015-12-16 SIZE : A4

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PRELIMINARY

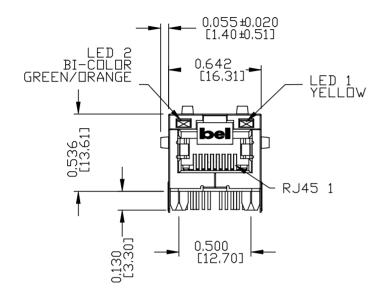


0,055±0,020 [1,40±0,51]

0.305 [7.75] — 0.260 [6.60] — 0.125 [3.17] — 0.320 [8.13] — 0.600 [15.24] —

0,145 [3,68] GROUND LEADS





NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA

FLAMMABILITY RATING UL 94V-0

CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.

DUTPUT PINS: TIN-CDATED COPPER WIRE, DIA 0.016 AND 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, DATE CODE AND PATENTED.

0.700 [17.78]
0.800 [20.32]

c Tus ul recognized - file #e196366 and e169987.
2. The product is rohs compliant.
3.Jack cavity conforms to fcc rules and regulations.

1.290 [32.77] -

4.THE PRODUCT IS PATENTED, THE PATENT NUMBER ARE U.S. PAT. 7,123,117.

ORIGINATED BY PART NO. / DRAWING NO. TITLE STANDARD DIM [ ] METRIC DIM. 2.5 gigabit MagJack® ANTON LIAO TOL. IN INCH AS REF. 08261X1THT-F DATE 2015-12-16 4PPoE UNIT : INCH [mm] DRAWN BY FILE NAME 0826-1X1T-HT-F SCALE : N/A SANDY LIN .XX 08261X1THT-F\_PA.DWG PATENTED DATE 2015-12-16 ⊕ - | SIZE : A4 ±0,010

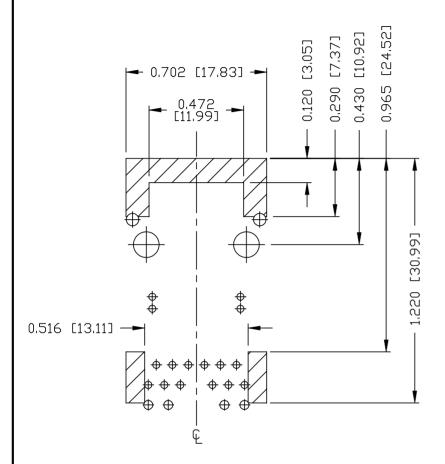
REV. : PA PAGE : 3

MAGNETIC SOLUTIONS
a bel group

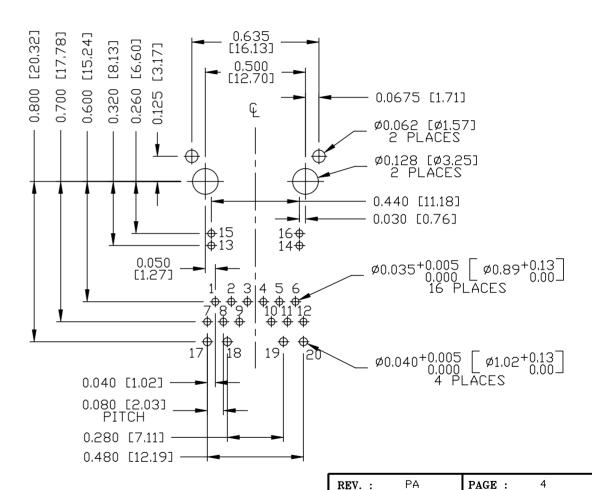
0,125 SIGNAL & 1 THE INFORMATION CONTAINED HEREIN IS CONSIDERED 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.







# RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



## NOTES

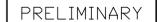
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

						_
	TITLE	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[ ] METRIC DIM.	
ANTON LIAO Date 2015-12-16	2.5 gigabit MagJack®	08261X1THT-F	TOL. I	IN INCH	AS REF.	İ
<b>DATE</b> 2015-12-16	4PPoF		v		UNIT : INCH [mm]	ĺ
DRAWN BY	=	FILE NAME			onii . mon [mm]	1
SANDY LIN	0826-1X1T-HT-F		.xx		SCALE : N/A	İ
<b>DATE</b> 2015-12-16	PATENTED	08261X1THT-F_PA.DWG	.XXX	±0.004	SIZE : A4	
/->						

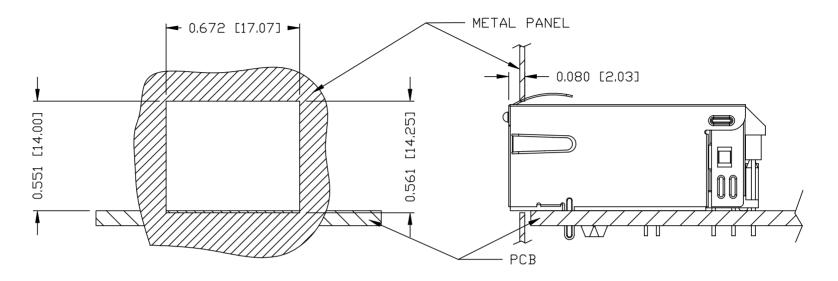
bel magnetic solutions

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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.

### PACKING INFORMATION

PACKING TRAY : 0200-9999-F6 (TOP)

0200-9999-F7 (BOTTOM)

PACKING QUANTITY: 40 PCS FINISHED GOODS PER TRAY

10 TRAYS (400 PCS FINISHED GOODS) PER CARTON BOX

NOTE: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

						R
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[ ] METRIC DIM.	
ANTON LIAO	2.5 gigabit MagJack®	08261X1THT-F	TOL. IN INCH		AS REF.	
DATE 2015-12-16	4PPoE		- x		UNIT : INCH [mm]	1
DRAWN BY	0826-1X1T-HT-F	FILE NAME	·A	/	SCALE : N/A	1
SANDY LIN	PATENTED	08261X1THT-F_PA.DWG	.XX		. '	
DATE 2015-12-16		00E01X11111 1 _1 H.DWG	.xxx	±0.004	SIZE : A4	

