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

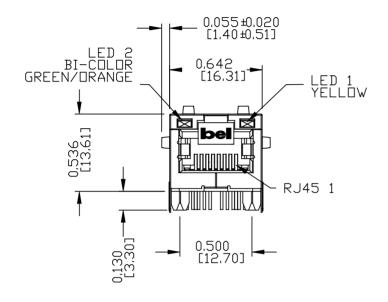
SIZE : A4

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PRELIMINARY







NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA

FLAMMABILITY RATING UL 94V-0

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

DUTPUT PINS: TIN-COATED 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.

0.305 [7.75] 0.305 [7.75] 0.260 [6.60] 0.125 [3.17] 0.600 [15.24] 0.700 [17.78] 0.800 [20.32]

c Nus ul recognized - file #e196366 and e169987. 2. The product is rohs compliant.

3,JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

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

ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.
ANTON LIAO	2.5 gigabit MagJack®	08261X1THT-F		IN INCH	AS REF.
date 2015-12-16	4PPoE	OGEGIATITIT	Γ _Ψ		UNIT : INCH [mm]
DRAWN BY		FILE NAME	·A		omi : men [mm]
SANDY LIN	0826-1X1T-HT-F	000647447117	.XX		SCALE : N/A
DATE 2015-12-16	PATENTED	08261X1THT-F_PA.DWG	.XXX	±0.010	SIZE : A4

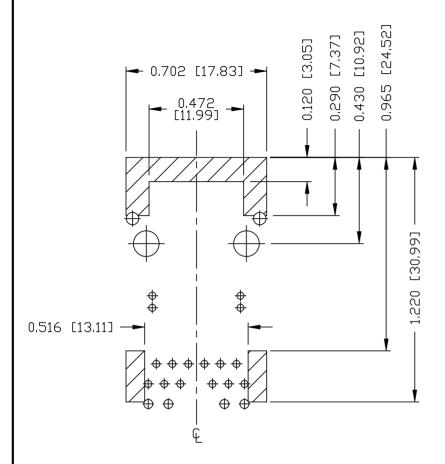
REV. : PA PAGE : 3

MAGNETIC SOLUTIONS
a bel group

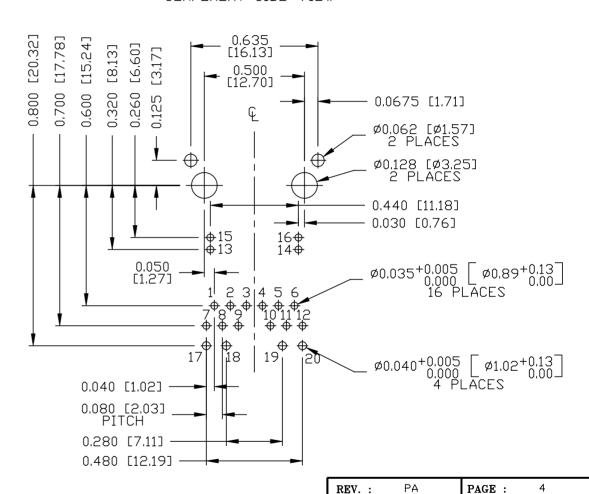
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RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW



<u>NOTES</u>

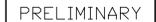
THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.

	TITLE	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[] METRIC DIM.	
ANTON LIAO Date 2015-12-16	2.5 gigabit MagJack®	08261X1THT-F	TOL. 1	IN INCH	AS REF.	İ
DATE 2015-12-16	4PPoF		v		UNIT : INCH [mm]	ĺ
DRAWN BY	0=	FILE NAME				1
SANDY LIN	0826-1X1T-HT-F	00064747117 E DADVE	.XX		SCALE: N/A	İ
DATE 2015-12-16	PATENTED	08261X1THT-F_PA.DWG	.xxx	±0.004	SIZE : A4	
20000(0) 100011						

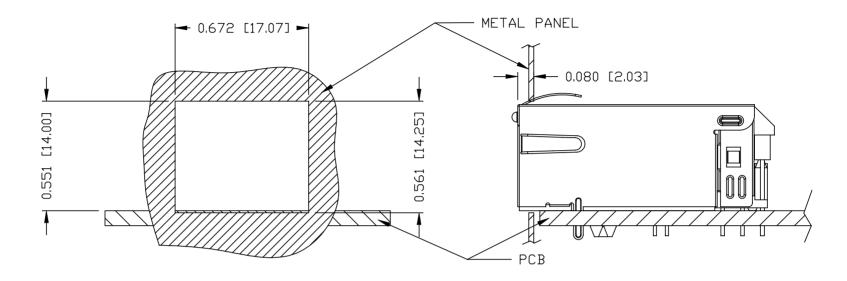
bel magnetic solutions

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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 DATE 2015-12-16	2.5 gigabit MagJack®	08261X1THT-F	1	IN INCH	AS REF.	
	4PPoE		.x		UNIT : INCH [mm]	
DRAWN BY SANDY LIN	0826-1X1T-HT-F PATENTED	FILE NAME	.XX		SCALE : N/A	
DATE 2015-12-16	==	08261X1THT-F_PA.DWG	.xxx	±0.004	SIZE : A4	
00000(0)100011	Title 1		_ •			

