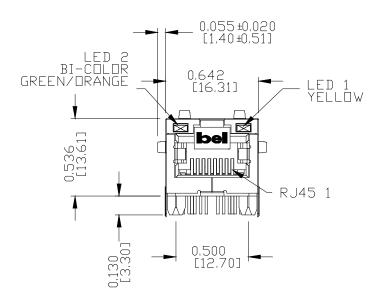
THE INFORMATION CONTAINED HEREIN IS CONSIDERED 'PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE RoHS LED 1 POLARITY LED 2 POLARITY PRELIMINARY WRITTEN APPROVAL OF BEL FUSE INC. **PIN 17** PIN 18 COLOR PIN 19 PIN 20 COLOR DRANGE YFI I NW GREEN ELECTRICAL CHARACTERISTICS @ 25°C LED 1 SCHEMATIC TURNS RATIO 1CT : 1CT ±2% TP1 RJ45 TP2 1CT : 1CT ±2% YELLOW TP3 1CT : 1CT ±2% 18 TP4 1CT : 1CT ±2% 1CT : 1CT TRP1+ TRD1+ 11 ← DCL @ 100kHz/100mVRMS (4CHANNEL) 8mA DC BIAS 180 uH MIN. TRCT1 12 • 23mA DC BIAS 120 uH MIN. \leq TRP1-TRD1-10 • Compliant to IEEE 802,3at specification 1№2. ⊥ П2З 1CT : 1CT TRD2+ 3 TRP2+ 4 • 1MHz TO 150MHz -0.004(fMHz)-0.4 dB MAX TRCT2 6 ← RET. LOSS (MIN) TRD2- 5 • TRP2-1MHz-40MHz $-20 \, dB$ 16 40.1MHz-150MHz $-20+15L\Box G(f/40MHz) dB$ 1CT : 1CT \Box TRD3+ 3 •− TRP3+ CRUSSIAL K 1MHz - 40MHz -35 dB MIN TRCT3 1 ← 40.1MHz-150MHz $-35+15L\Box G(f/40MHZ)$ dB MIN TRD3- 2 • 15 TRP3-CM TO CM REJ 1CT : 1CT 1MHz - 150MHz -25 dB MIN TRD4+ 8 • TRP4+ HIPOT (Isolation Voltage): 2250 VDC TRCT4 7 ← 100% OF PRODUCTION TESTED TO COMPLY π TRD4-9 •--TRP4-WITH IEEE 802.3 ISOLATION REQUIREMENTS ⊐|8 BALANCED DC LINE CURRENT 720 MA MAX. @ 57 VDC CONTINUOUS VC12 13 1.2 A MAX. @ 57 VDC FOR 200 MILLISECONDS VC36 14 4X 22nF 15 16 VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. VC45 100 V VC78 AD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP. 4X 75 □HMS ₹ IF=20mA GREEN 2,2V TYP. VF (FORWARD VOLTAGE) GREEN(本文 DRANGE 1000pF 2kV DRANGE 2.0V TYP. 20 • AD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP. SHIELD 7777 LED 2 DRANGE 605nm TYP. OPERATING TEMPERATURE: -40°C T□ 85°C РΑ PAGE: 2 REV. : ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [] METRIC DIM. 2.5 gigabit MagJack® CHOW WANCHUNG AS REF. TOL. IN INCH DATE 2017-03-28 08261X1TKH-F (4PPoE, 100W, Extended Temp.) UNIT : INCH [mm] DRAWN BY FILE NAME 0826-1X1T-KH-F SCALE: N/A XIE YIMING .XX a bel group 08261X1TKH-F PA.DWG PATENTED DATE 2017-03-28 SIZE : A4 This document is electronically generated. This is a controlled copy if used internally

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PRELIMINARY

MECHANICAL SPECIFICATION

REMARK: NO TB TOOLING FOR SAMPLE BUILDING CURRENTLY.



NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK

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.

100 MICRO-INCH MIN MATTE TIN, PINS ARE SOLDER DIPPED.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

2.5 gigabit MagJack®

(4PPoE, 100W, Extended Temp.)

0826-1X1T-KH-F

PATENTED

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

LE RECOGNIZED - FILE #E196366 AND E169987.

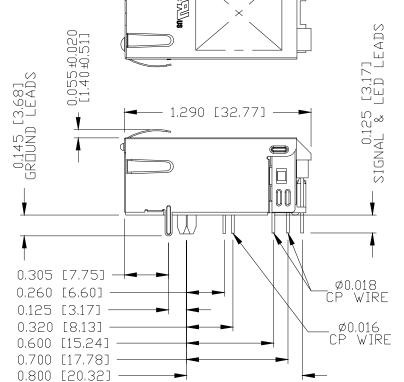
TITLE

2. THE PRODUCT IS ROHS COMPLIANT.

REV. : PART NO. / DRAWING NO. STANDARD DIM. [] METRIC DIM. AS REF. TOL. IN INCH 08261X1TKH-F UNIT : INCH [mm] SCALE : N/A XX. 08261X1TKH-F_PA.DWG

±0.010

⊕ ← size : A4



3, JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,

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

5. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.

> PAGE: a bel group

3

RoHS

ANTON I JAD DATE 2017-03-28 DRAWN BY

ORIGINATED BY

JESSE LI DATE 2017-03-28

DC002(2)120214

XXX.

FILE NAME

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PRELIMINARY



RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW

0,635 [16,13]

0,500 [12,70]

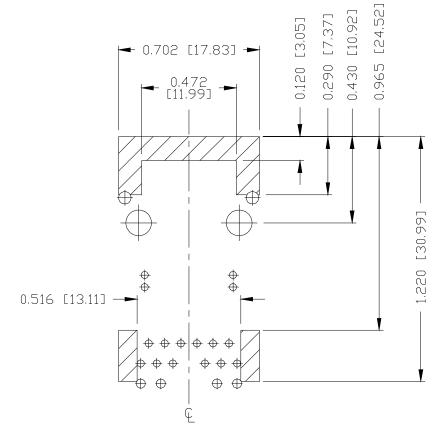
l⊕ 15

♦13

16⊕

14\Phi

10 11 12



NOTES

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

'АЏ,						
TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.		
2.5 gigabit MagJack®	08261X1TKH-F	TOL.	IN INCH	AS REF.	l	
(4PPoE, 100W, Extended Temp.) 0826-1X1T-KH-F	FILE NAME	.X		UNIT : INCH [mm]		
	08261X1TKH-F_PA.DWG	.XX		SCALE : N/A		
		.XXX	±0,004	SIZE : A4		



0.0675 [1.71]

Ø0.062 [Ø1.57] 2 PLACES

Ø0.128 [Ø3.25] 2 PLACES

Ø1.02+0.13

0.00 -

0.440 [11.18] 0.030 [0.76]

DC002(2)120214

DRAWN BY

JESSE LI

ORIGINATED BY

ANTON LIAD

DATE 2017-03-28

DATE 2017-03-28

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[20,32]

0'800 00.700

[6,60] [8,13]

0.260

320

0

[15.2

0.600

[3,17]

0.125

0.050 [1.27]

0.040 [1.02] — 0.080 [2.03]

PITCH

0.280 [7.11] -

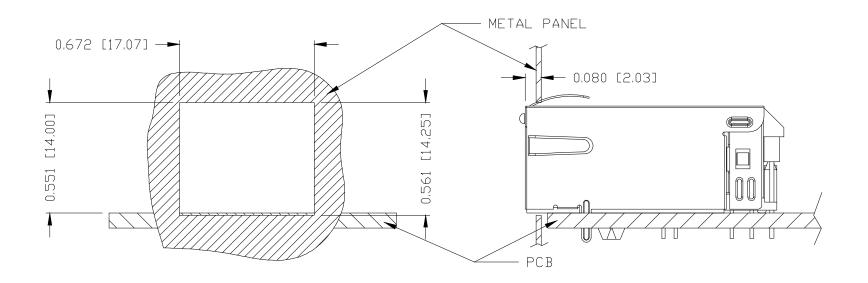
0,480 [12,19] -

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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)

ORIGINATED BY	TITLE	PART NO. / DRAWING NO.		ARD DIM.	
DATE 2017-03-28	2.5 gigabit MagJack®	08261X1TKH-F	TOL.	IN INCH	
DRAWN BY	(4PPoE, 100W, Extended Temp.) 0826-1X1T-KH-F	FILE NAME	.X		UNIT : INCH [mm]
JESSE LI	0000 17.11	08261X1TKH-F_PA.DWG	.XX		SCALE: N/A
DATE 2017-03-28	LA I CINTED	00001/11/1/11 1 _1 A.D W G	.XXX	±0,004	$ \bigoplus $ SIZE : A4

REV. : PA PAGE : 5

MAGNETIC SOLUTIONS
a bel group