THE INFORMATION CONTAINED HEREIN IS CONSIDERED LED 1 POLARITY LED 2 POLARITY RoHS PROPRIETARY' TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE PIN 19 PIN 20 PIN 17 PIN 18 СПІ ПR COLOR WRITTEN APPROVAL OF BEL FUSE INC. YFI I NW **TRANGE** + GREEN ELECTRICAL CHARACTERISTICS @ 25°C LED 1 SCHEMATIC 17 ← TURNS RATIO TP1 1CT : 1CT ±2% YELLOW RJ45 TP2 1CT : 1CT ±2% 18 DCL @ 100kHz/100mVRMS 1CT : 1CT TRD1+ 11 • TRP1+ FOR CHANNEL 1 AND CHANNEL 2 11mA DC BIAS 350 uH MIN. TRCT1 12 **←**  $\overline{\mathbf{m}}$ Compliant to IEEE 802.3at specification TRD1- 10 •-TRP1-INS. LOSS 1CT : 1CT 0.1MHz TO 1MHz -1.1 dB MAX TRD2+ TRP2+ 4 • -0.8 dB MAX 1MHz TO 65MHz TRCT2 65MHz TO 100MHz -1.2 dB MAX 6 •  $\overline{m}$ RFT. L DSS (MIN) TRD2- 5 • TRP2-0.5MHz - 40MHz-18 dB40MHz-100MHz  $-12+20L\Box G(f/80MHz) dB$ CM TO CM REJ 100kHz - 100MHz -30 dB MIN CM TO DM REJ 100kHz - 100MHz -35 dB MIN HIPOT (Isolation Voltage): 2250 VDC 100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS. BALANCED DC LINE CURRENT 720 MA MAX. @ 57 VDC CONTINUOUS 1.2 A MAX. @ 57 VDC FOR 200 MILLISECONDS VC12 13 ← VC36 14 ← IFD 1 4X 22nF VC45 15 ← 100V VF (FORWARD VOLTAGE) IF=20mA YELLOW 2.1V TYP. VC78 16 • 4X 75 □HMS \$ AD (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP. 19 •— LED 2 VF (FORWARD VOLTAGE) **TRANGE** GREEN IF=20mA GREEN 2.2V TYP. 1000pF 2kV DRANGE 2.0V TYP. SHIELD 7777 LED 2 AD (DOMINANT WAVELENGTH) IF=20mA GREEN 570nm TYP. DRANGE 610nm TYP. -40°C TH 85°C **OPERATING TEMPERATURE:** D 2 REV. : PAGE: ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [ ] METRIC DIM. 10/100 MagJack® CHOW WANCHUNG AS REF. TOL. IN INCH **DATE** 2016-08-11 08261X1TGJ-F (PoEp, Extended Temperature) UNIT : INCH [mm]X. DRAWN BY FILE NAME

SKY YOU

DATE 2016-08-11

0826-1X1T-GJ-F

PATENTED

08261X1TGJ-F\_D.DWG

.XX

SCALE: N/A

SIZE : A4

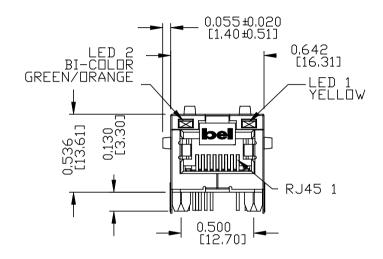
a bel group

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#### MECHANICAL SPECIFICATION







NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA, BLACK

FLAMMABILITY RATING UL 94V-0

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

30 MICRO-INCH MIN NICKEL UNDERPLATE.

**DUTPUT PINS:** TIN-COATED COPPER WIRE, DIA 0.016 AND DIA 0.018 INCH.

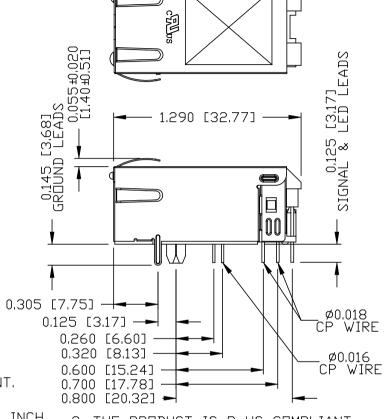
100 MICRO-INCH MIN MATTE TIN, PINS ARE SOLDER DIPPED. 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS

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.

c. Alus Ul RECOGNIZED - FILE #E196366 AND E169987.



- 2. THE PRODUCT IS ROHS COMPLIANT.
- 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.

ORIGINATED BY TITLE 10/100 MagJack® ANTON LIAD **DATE** 2016-08-11 (PoEp, Extended Temperature) DRAWN BY 0826-1X1T-GJ-F JESSE LI PATENTED DATE 2016-08-11

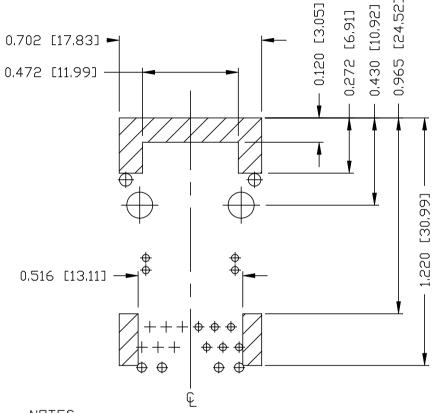
PART NO. / DRAWING NO. STANDARD DIM. [ ] METRIC DIM. AS REF. TOL. IN INCH 08261X1TGJ-F UNIT : INCH [mm]X. FILE NAME SCALE: N/A .XX 08261X1TGJ-F D.DWG SIZE : A4 ±0,010



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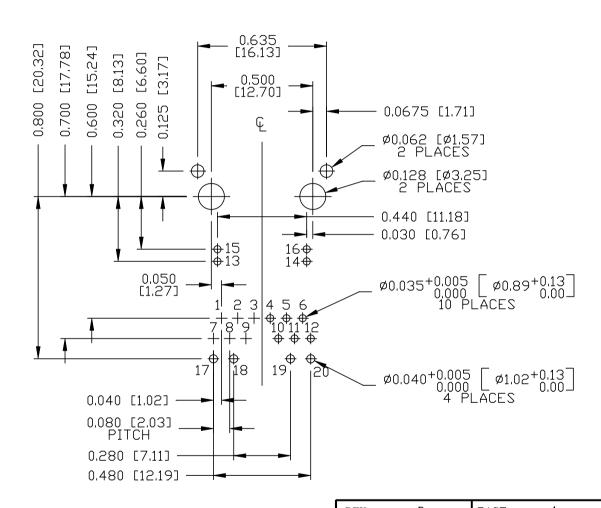
# RoHS

## 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.



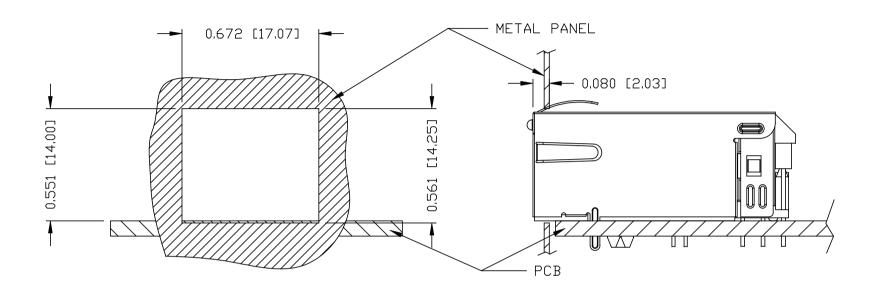
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[ ] METRIC DIM.
ANTON LIAO	10/100 MagJack®	00261V1TG I_F		IN INCH	AS REF.
<b>DATE</b> 2016-08-11	(PoEp, Extended Temperature)	0020171100 1	v		UNIT : INCH [mm]
DRAWN BY	0826-1X1T-GJ-F	FILE NAME	.л		
JESSE LI		08261X1TGJ-F_D.DWG	.XX		SCALE: N/A
<b>DATE</b> 2016-08-11	PATENTED	0859171197-1	.XXX	±0.004	SIZE : A4



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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)

						10.
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[ ] METRIC DIM.	Г
ANTON LIAO	10/100 MagJack®	08261X1TGJ-F	TOL.	IN INCH	AS REF.	i
<b>DATE</b> 2016-08-11	(PoEp, Extended Temperature)		x		UNIT : INCH [mm]	ı
<b>drawn by</b> JESSE LI	0826-1X1T-GJ-F	FILE NAME	.xx	<del>- / -</del>	SCALE : N/A	i
DATE 2016-08-11	PATENTED	08261X1TGJ-F_D.DWG			ф <u>а</u>	l
DATE 2010 00 11	<u></u>		.XXX	±0,004	T -	ட



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