THE INFORMATION CONTAINED HEREIN IS CONSIDERED LED 1 POLARITY IFD 2 POLARITY **RoHS** "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE PRELIMINARY PIN 17 PIN 18 COLOR PIN 19 PIN 20 COLOR COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC. YELLOW DRANGE SCHEMATIC GREEN ELECTRICAL CHARACTERISTICS @ 25°C LED 1 TURNS RATIO 17 RJ45 PIN TP1 1CT : 1CT ±2% TP2 1CT : 1CT 1CT : 1CT ±2% YELLOW TRD1+ 1 TRP1+ 11 🕶 TP3 1CT : 1CT ±2% TP4 1CT : 1CT ±2% TRCT1 12 -DCL @ 100kHz/100mVRMS (4CHANNEL) TRD1-10 ← TRP1-23mA DC BIAS 120µH MIN. 1CT : 1CT TRD2+ TRP2+ \equiv RET, LOSS (MIN) 1MHz-40MHz -18 dB MIN TRCT2 6 \leq 40MHz-250MHz $-18+10L\Box G10(f/40MHz)$ dB MIN 5 • TRP2-TRD2- \Box CM TO CM REJ 1CT : 1CT 100kHz - 100MHz -30 dB MIN TRD3+ TRP3+ 3 ← CM TO DM REJ TRCT3 100kHz - 100MHz -35 dB MIN TRD3-2 • TRP3-HIPOT (Isolation Voltage): 2250 VDC 100% OF PRODUCTION TESTED TO COMPLY 1CT : 1CT TRP4+ TRD4+ 8 WITH IEEE 802,3 ISOLATION REQUIREMENTS BALANCED DC LINE CURRENT 1A MAX, CONTINUOUS TRCT4 1.2A MAX, FOR 200 MILLISECONDS TRD4-TRP4-OPERATING TEMPERATURE: -40°C T□ 100°C VF (FORWARD VOLTAGE) IF=20mA YELLOW 2,1V TYP. VC12 13 IF=20mA YELLOW 590nm TYP. VC36 14 AD (DOMINANT WAVELENGTH) 4X 22nF 15 16 VC45 100V IFD 2 VC78 IF=20mA GREEN VF (FORWARD VOLTAGE) 2.2V TYP 4X 75 DHMS DRANGE 2.0V TYP. IF=20mA GREEN 570nm TYP. AD (DOMINANT WAVELENGTH) LED 2 DRANGE 605nm TYP. 1000pF 2kV GREEN DRANGE SHIFLD 7777 2 20 REV. : PBPAGE: PART NO. / DRAWING NO. ORIGINATED BY ITITLE STANDARD DIM. [] METRIC DIM. 5 Gigabit MagJack® CHOW WANGCHUNG AS REF. TOL. IN INCH 08261X1TKL-F **DATE** 2019-03-29 (4PPoE, 100W, Extended Temp.) UNIT : INCH [mm] SOLUTIONS DRAWN BY FILE NAME 0826-1X1T-KL-F SCALE : N/A XIE YIMING .XX a bel group 08261X1TKL-F PB.DWG PATENTED **DATE** 2019-03-29 SIZE : A4 DC002(2)120214 This document is electronically generated. This is a controlled copy if used internally

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PRELIMINARY

MECHANICAL SPECIFICATION

0,055±0,020 [1,40±0,51]

0,305 [7,75] — 0,260 [6,60] — 0,125 [3,17] —

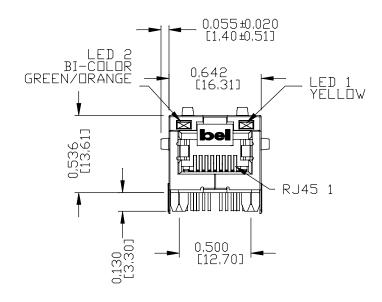
0.320 [8.13]

0,600 [15,24]

0.700 [17.78]

0.145 [GROUND





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 0.018 INCH.

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

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

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

CRUS UL RECOGNIZED - FILE #E196366 AND E169987.

2. THE PRODUCT IS ROHS COMPLIANT.

0.800 [20.32]

O.800 [20.32]

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

1.290 [32.77]

ORIGINATED BY	TITLE
ANTON LIAO	5 gigabit MagJack®
DATE 2019-03-29	(4PPoE, 100W, Extended Temp,)
DRAWN BY SANDY LIN DATE 2019-03-29	0826-1X1T-KL-F PATENTED

PART NO. / DRAWING NO. 08261X1TKL -F	STANDARD DIM. TOL. IN INCH					
FILE NAME 08261X1TKL-F_PB,DWG	.X		UNIT : INCH [mm]			
	.XX		SCALE : N/A			
	.XXX	±0,010	SIZE : A4			

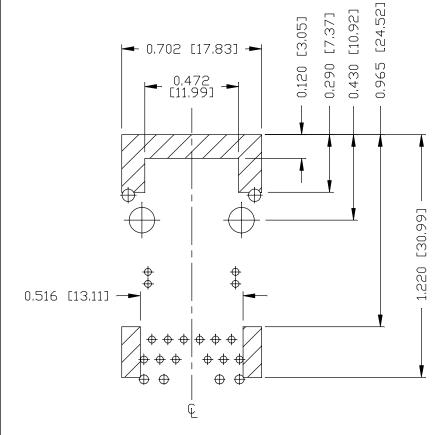


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PRELIMINARY



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

00 [20,32] 00 [17,78] 00 [15,24] 20 [8,13] 60 [6,60] 25 [3,17]	- 0.635 - (16.13) - 0.500 - (12.70) - 0.0675 [1,71]
0,800 0,700 0,600 0,320 0,260 0,260	©
	0,440 [11,18]
0.050	15 16
0.040 [1.02] — 0.080 [2.03]	Ø0.040 ⁺ 0.005 [Ø1.02 ⁺ 0.13] 4 PLACES
0.280 [7.11] ———————————————————————————————————	

ORIGINATED BY
ANTON LIAD
DATE 2019-03-29

DRAWN BY
SANDY LIN
DATE 2019-03-29

5 gigabit MagJack[®] (4PPoE, 100W, Extended Temp.) 0826-1X1T-KL-F PATENTED
 PART NO. / DRAWING NO.
 STANDARD DIM.
 [] METRIC DIM.

 08261X1TKL-F
 XX
 UNIT : INCH [mm]

 08261X1TKL-F_PB,DWG
 XXX
 \$CALE : N/A

 XXX
 \$1,004
 \$IZE : A4



PAGE:

PB

REV. :

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SUGGESTED PANEL OPENING

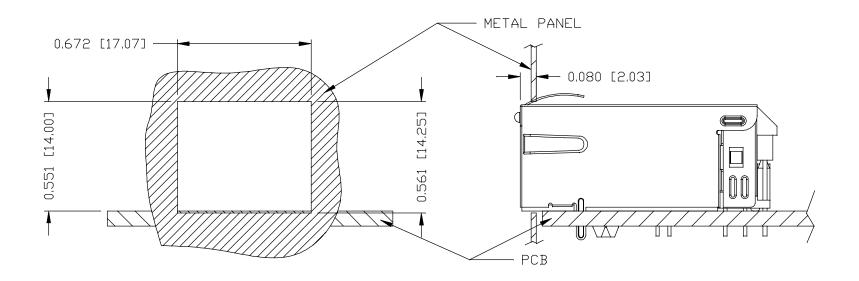


REV .

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PAGE :





NOTE:

DC002(2)120214

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)

						1013 7	,	IAGE	•
	TITLE	PART NO. / DRAWING NO.	STANDA	ARD DIM.	[] METRIC DIM.		_		
ANTON LIAO date 2019-03-29	5 gigabit MagJack®	08261X1TKL-F	TOL. 1	IN INCH	AS REF.	200	b 4		
DATE 2019-03-29	(4PPoE, 100W, Extended Temp.)		v		UNIT : INCH [mm]				MA
DRAWN BY		FILE NAME	•Л			7.00			so
SANDY LIN	0826-1X1T-KL-F	000/11/11/1 F DDD1/C	.XX		SCALE : N/A	120	a bel group		
DATE 2019-03-29	PATENTED	08261X1TKL-F_PB,DWG	.XXX	±0,005	SIZE : A4	3.48			