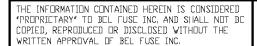
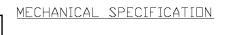
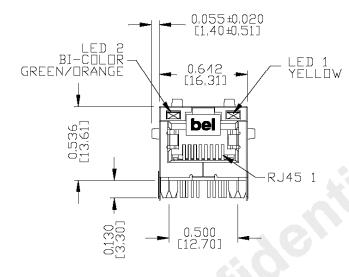
THE INFORMATION CONTAINED HEREIN IS CONSIDERED **RoHS** "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC. PRELIMINAR' LED1 POLARITY LED2 POLARITY LED1 13 • PIN 13 | PIN 14 COLOR PIN 15 | PIN 16 SCHEMATIC DRANGE YELLOW RJ45 GREEN 14 • 1CT : 1CT CHARACTERISTICS @ 25°C TRD1+ 11 1 TRP1+ TURNS RATIO TRCT1 12 • TP1 1CT : 1CT ±2% 1CT + 1CT +2% TP2 2 TRP1-TP3 1CT : 1CT ±2% TRD1- 10 •-TP4 1CT : 1CT ±2% \leq 1CT : 1CT DCL @ 100kHz/100mVRMS TRD2+ 4 3 TRP2+ 8mA DC BIAS (-40°C - 85°C) 160µH MIN. TRCT2 6 INS, LOSS 1MHz TO 150MHz -0.004(fMHz)-0.4 dB MAX 6 TRP2-TRD2-5 \leq RET. LOSS 1CT : 1CT 1MHz-40MHz -20 dB MIN \Box TRD3+ 3 4 TRP3+ -20+15LOG(f/40MHZ) dB MIN 40,1MHz-150MHz TRCT3 1 CROSS TALK 1MHz - 40MHz -35 dB MIN 5 TRP3-TRD3- 2 40.1MHz-150MHz -35+15LOG(f/40MHZ) dB MIN 1CT : 1CT CM TO CM REJ TRD4+ 8 7 TRP4+ 1MHz - 150MHz -25 dB MIN \mathcal{I} TRCT4 7 HIPOT (Isolation Voltage): 1500 VRMS 100% OF PRODUCTION TESTED TO COMPLY WITH 8 TRP4-TR114- 9 IEEE 802.3 ISOLATION REQUIREMENTS, IFD 1 15 -4X 75 DHMS VF (FORWARD VOLTAGE) IF=20mA YELLOW. 2.1V TYP. λD (DOMINANT WAVELENGTH) IF=20mA YELLOW DRANGE 590nm TYP. GRFFN LED 2 16 • VF (FORWARD VOLTAGE) IF=20mA GREEN 1000pF 2kV 2.2V TYP. TED5 DRANGE 2.0V TYP. λD (DOMINANT WAVELENGTH) IF=20mA 570nm TYP GREEN SHIELD 7777 605nm TYP. DRANGE PAGE: OPERATING TEMPERATURE -40°C TD 85°C REV. : ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM. [] METRIC DIM. CHOW WANCHUNG AS REF. TOL. IN INCH 0826-1X1T-JM-F DATE 2023-01-18 2.5 Gigabit MagJack® UNIT: INCH [mm] DRAWN BY FILE NAME PATENTED SCALE: N/A TANG YUAN .XXa bel group 0826-1X1T-JM-F 1.DWG DATE 2023-01-18 SIZE : A4 DC002(2)120214 This document is electronically generated. This is a controlled copy if used internally



PRELIMINARY







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.

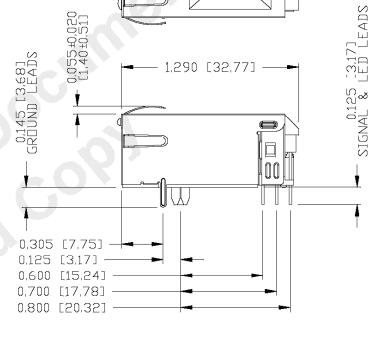
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

(ALL GROUND LEADS ARE SOLDER DIPPED)

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

c Augul Recognized - File #E196366 AND E169987.

2. THE PRODUCT IS ROHS COMPLIANT,



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

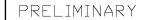
E, THE TREDUCT 13 KOHS CHIN LIANT,								
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STAND	ARD DIM.	[] METRIC DIM.			
ANTON LIAO	2.5 Gigabit MagJack®	0826-1X1T-JM-F	TOL. IN INCH		AS REF.			
DATE 2023-01-18 DRAWN BY			.x		UNIT : INCH [mm]			
LI QUANKUN	PATENTED		.XX		SCALE : N/A			
DATE 2023-01-18		0826-1X1T-JM-F_1,DWG	.XXX	±0,010	SIZE : A4			



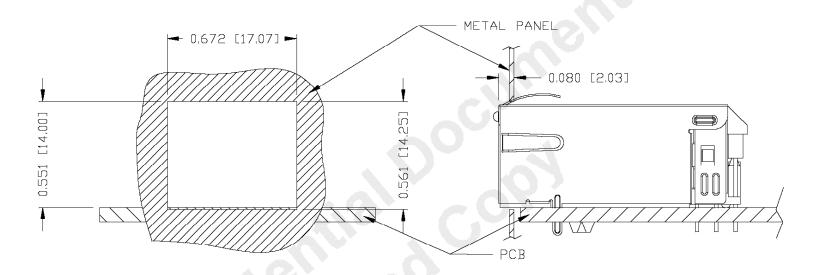
THE INFORMATION CONTAINED HEREIN IS CONSIDERED **RoHS** "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC. PRELIMINARY RECOMMENDED PCB FOOTPRINT COMPONENT SIDE VIEW ├- 0,702 [17,83] -- 0.120 0,635 [16,13] 0.472 [11.99] **-**0.500 [12,70] 0.0675 [1.71] 0.600 Ø0,062 [Ø1,57] 2 PLACES Ø0.128 [Ø3.25] 2 PLACES [30,99] 0.050 0.516 [13.11] -[1.27]12 PLACES 101112 \oplus 15 0,040 [1,02] -0.080 [2.03] NOTES PITCH THE SHADED AREA ON THE CUSTOMER BOARD ARE 0.280 [7.11] -RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR 0.480 [12.19] COMPONENT PAD PAGE: REV. : ORIGINATED BY TITLE PART NO. / DRAWING NO. STANDARD DIM [] METRIC DIM. ANTON LIAD TOL. IN INCH AS REF. 0826 1X1T JM F DATE 2023-01-18 2.5 Gigabit MagJack® $exttt{UNIT} : exttt{INCH} [exttt{mm}]$ DRAWN BY FILE NAME PATENTED SCALE: N/A LI QUANKUN .XX a bel group 0826-1X1T-JM-F 1,DWG DATE 2023-01-18 SIZE: A4 DC002(2)120214 This document is electronically generated. This is a controlled copy if used internally

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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 INFURMATIUN

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)

						L	
ORIGINATED BY	TITLE	PART NO. / DRAWING NO.	STANDARD DIM.		[] METRIC DIM.	Γ	
ANTON LIAO	2,5 Gigabit MagJack [®] PATENTED	0826-1X1T-JM-F	TOL. IN INCH		AS REF.	l	
DATE 2023-01-18			.x		UNIT : INCH [mm]	l	
DRAWN BY LI QUANKUN		FILE NAME 0826-1X1T-JM-F_1.DWG	.XX		SCALE : N/A	ĺ	
DATE 2023-01-18			.XXX	±0.005	⊕		
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