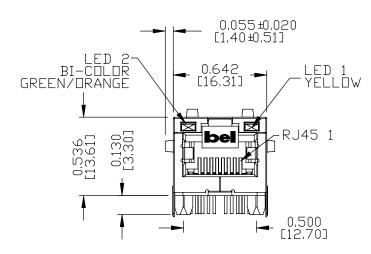
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| WRITTEN APPROVAL OF BEL FUSE INC. | |
|--|---|
| LED1 POLARITY LED2 POLARITY | LED1 <u>SCHEMATIC</u> |
| PIN 13 PIN 14 COLOR PIN 15 PIN 16 COLOR | |
| - + YELLOW + - ORANGE | YELLOW (本) |
| - + GREEN | 14 |
| ELECTRICAL CHARACTERISTICS @ 25°C | 1CT : 1CT RJ45 |
| TURNS RATIO | TRD1+ 11 • 1 TRP1+ |
| TP1 1CT ±2% | TDCT1 10 - - - - |
| TP2 1CT + 1CT +2% | |
| TP3 1CT + 1CT ±2% | TRD1- 10 • 2 TRP1- |
| TP4 1CT ±2% | │ │ │ │ │ 1CT : 1CT |
| □CL @ 100kHz/100mVRMS | TRD2+ 4 • |
| 8mA DC BIAS 350µH MIN, | |
| INS, LOSS | TRCT2 6 • |
| 0,1MHz TO 1MHz -1,1 dB MAX | TRD2- 5 • 6 TRP2- |
| 1MHz TO 65MHz -0.5 dB MAX 65MHz TO 100MHz -0.8 dB MAX | |
| 100MHz TO 125MHz -1,2 dB MAX | TRD3+ 3 • |
| RET, LOSS (MIN) | |
| 0,5MHz-40MHz -18 dB | TRCT3 1 • |
| 40MHz-100MHz -12+20LOG(f/80MHz) dB | TRD3- 2 • 5 TRP3- |
| CM TO CM REJ | 1 K D 3 - E - T S 1 K P 3 - T |
| 100kHz - 100MHz30 dB MIN | TRD4+ 8 • |
| CM TO DM REJ | |
| 100kHz - 100MHz -35 dB MIN | TRCT4 7 • 7 |
| HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC 100% OF PRODUCTION TESTED TO COMPLY | 1RC14 / • |
| WITH IEEE 802.3 ISOLATION REQUIREMENT | TRD4- 9 • ├── |
| □PERATING TEMPERATURE: -40 T□ +85°C | 15 • |
| LED 1 | 4X 75 DHMS \$ \$ \$ \$ |
| VF (FORWARD VOLTAGE) IF=20mA YELLOW 2,1V TYP, | GREEN (太文) DRANGE |
| 人D (DOMINANT WAVELENGTH) IF=20mA YELLOW 590nm TYP. LED 2 | 16 • |
| VF (FORWARD VOLTAGE) | 1000pF 2kV |
| IF=20mA GREEN 2,2V TYP. | LLDC . |
| AD (DOMINANT WAVELENGTH) IF=20mA DRANGE 610nm TYP. | |
| IF=20mA GREEN 570nm TYP, | |
| □PERATING TEMPERATURE: -40 T□ +85°C | <u> </u> |
| | REV. : E PAGE : 2 |
| , | DRAWING NO. STANDARD DIM. [] METRIC DIM. |
| CHOW WANCHUNG gigabit MagJack® 08261X | X1T32-F TOL. IN INCH AS REF. |
| DATE 2016-08-10 (Ext. Temp, Tab Up) | .X UNIT : INCH [mm] MAGNETIC SOLUTIONS |
| DRAWN BY SKY YDU 0826-1X1T-32-F FILE NAME | SCALE · N/A |
| DATE 2016-08-10 PATENTED 08261X1T3 | 32-F F.DWG a bei group |
| | ronically generated. This is a controlled copy if used internally |

Additional Resources: Product Page 3D Model PCB Footprint Technical Documentation

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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 0.018 INCH.

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

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.

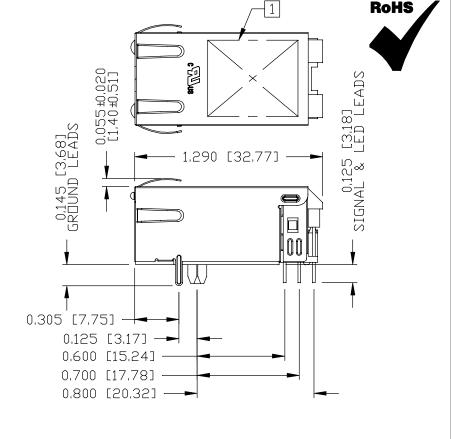
(ALL GROUND LEADS ARE SOLDER DIPPED)

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

callusul recognized - file #e196366 and e169987.

- 2. THE PRODUCT IS ROHS COMPLIANT.
- 3, JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
- 4. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.
- 5. THE PRODUCT IS PATENTED, THE PATENT NUMBER IS U.S. PAT. 7,123,117.

| ORIGINATED BY ANTON LIAO DATE 2016-08-10 | TITLE gigabit MagJack® (Ext. Temp, Tab Up) | PART NO. / DRAWING NO. 08261X1T32-F |
|--|--|--|
| DRAWN BY JESSE LI | 0826-1X1T-32-F | FILE NAME |
| DATE 2016-08-10 | PATENTED | 08261X1T32-F_E,DWG |





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XX.

STANDARD DIM.

TOL. IN INCH

±0,010

[] METRIC DIM.

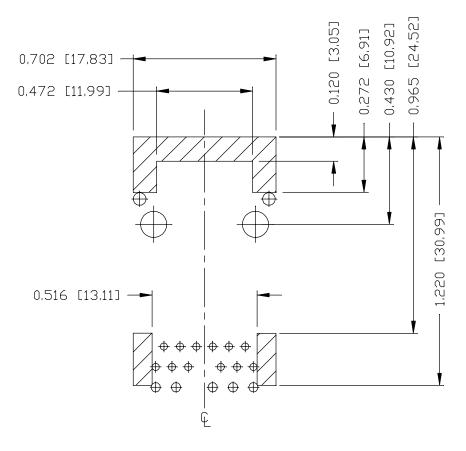
UNIT : INCH [mm]

SIZE : A4

AS REF.

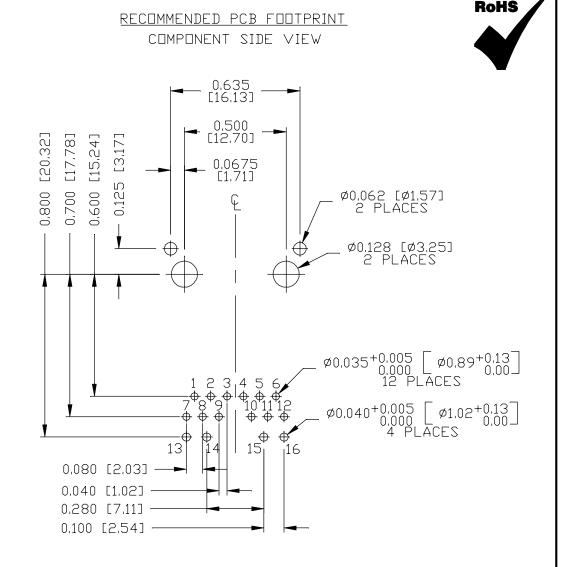
SCALE : N/A

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NOTES

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



| | | | | | | RI |
|--|----------------------------|--|------|---------------------|------------------|----|
| ORIGINATED BY ANTON LIAD DATE 2016-08-10 | TITLE gigabit MagJack® | PART NO. / DRAWING NO. 08261X1T32-F | | ARD DIM. IN INCH | | |
| DRAWN BY | (Ext, Temp, Tab Up) | FILE NAME | .X | | UNIT : INCH [mm] | |
| JESSE LI | 0826-1X1T-32-F PATENTED | 08261X1T32-F E.DWG | .XX | | SCALE : N/A | |
| DATE 2016-08-10 | THICNICD | 00001/(1 OC 1 _CID W G | .XXX | ±0,004 | SIZE : A4 | |

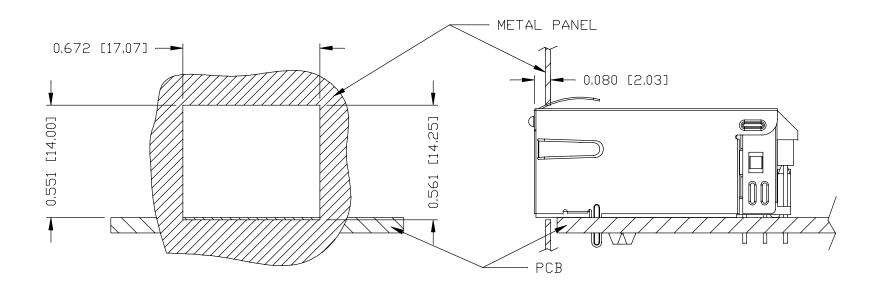
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SUGGESTED PANEL OPENING





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)

| | | | | | | I |
|------------------------|---------------------|------------------------|-------|----------|------------------|---|
| | TITLE | PART NO. / DRAWING NO. | STAND | ARD DIM. | [] METRIC DIM. | Г |
| ANTON_LIAO | gigabit MagJack® | 08261X1T32-F | TOL. | IN INCH | AS REF. | l |
| DATE 2016-08-10 | (Ext, Temp. Tab Up) | 00201/11102 1 | v | | UNIT : INCH [mm] | 1 |
| DRAWN BY | 0826-1X1T-32-F | FILE NAME | ·^ | | | ł |
| JESSE LI | PATENTED | 08261X1T32-F E.DWG | .XX | | SCALE: N/A | |
| DATE 2016-08-10 | TATENTED | 00201/(1102 1 _212 # 0 | .XXX | ±0,004 | SIZE : A4 | |

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