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RoHS



| LED1 POLARITY | | | LED2 POLARITY | | |
|---------------|--------|--------|---------------|--------|--------|
| PIN 13 | PIN 14 | COLOR | PIN 15 | PIN 16 | COLOR |
| - | + | YELLOW | + | - | ORANGE |
| / | / | / | - | + | GREEN |

ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

| | |
|-----|---------------|
| TP1 | 1CT : 1CT ±2% |
| TP2 | 1CT : 1CT ±2% |
| TP3 | 1CT : 1CT ±2% |
| TP4 | 1CT : 1CT ±2% |

DCL @ 100kHz/100mVRMS

8mA DC BIAS 350µH MIN.

INS. LOSS

| | |
|------------------|-------------|
| 0.1MHz TO 1MHz | -1.1 dB MAX |
| 1MHz TO 65MHz | -0.5 dB MAX |
| 65MHz TO 100MHz | -0.8 dB MAX |
| 100MHz TO 125MHz | -1.2 dB MAX |

RET. LOSS (MIN)

| | |
|--------------|-----------------------|
| 0.5MHz-40MHz | -18 dB |
| 40MHz-100MHz | -12+20LOG(f/80MHz) dB |

CM TO CM REJ

100kHz - 100MHz -30 dB MIN

CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage):

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENT 1500 Vrms or 2250VDC

OPERATING TEMPERATURE: -40 TO +85°C

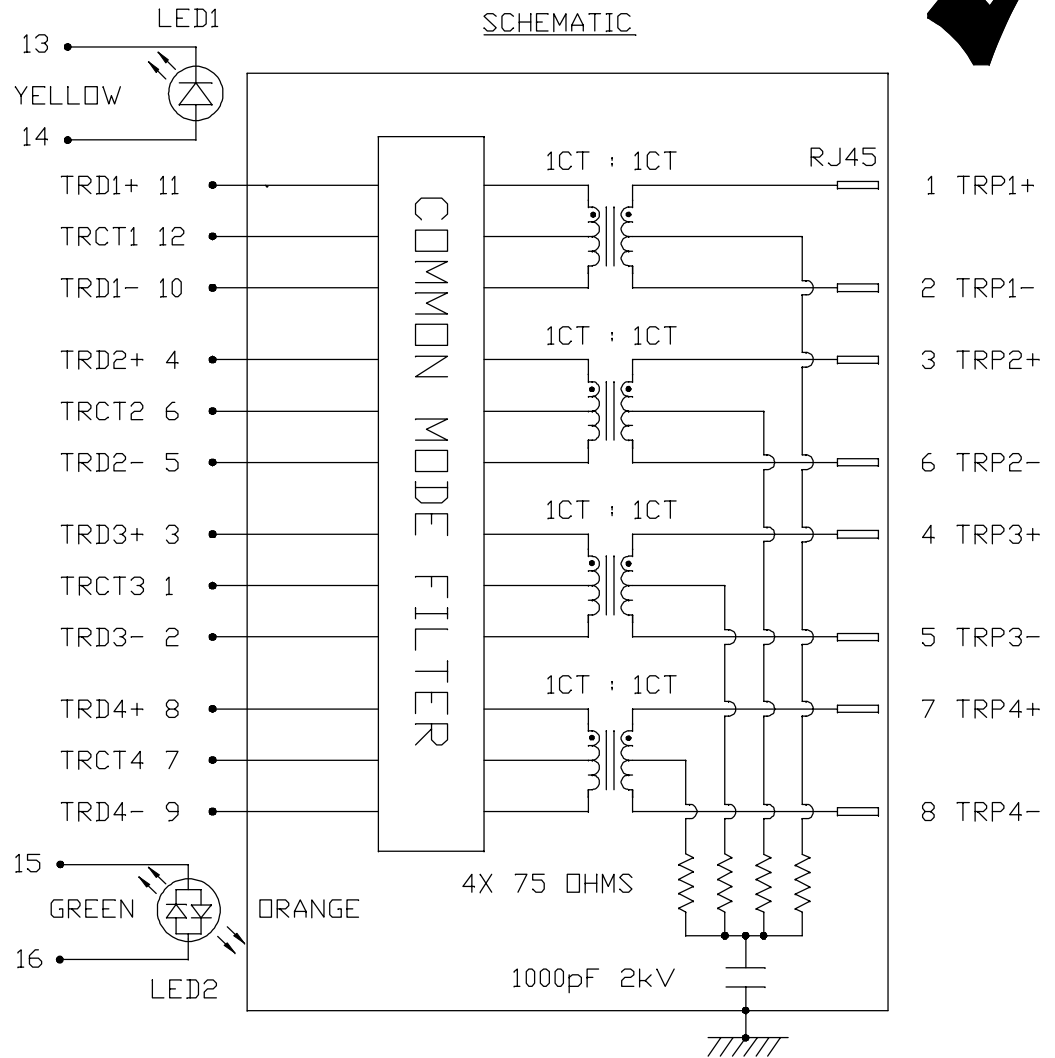
LED 1

| | | | |
|--------------------------|---------|--------|------------|
| VF (FORWARD VOLTAGE) | IF=20mA | YELLOW | 2.1V TYP. |
| λD (DOMINANT WAVELENGTH) | IF=20mA | YELLOW | 590nm TYP. |

LED 2

| | | | |
|--------------------------|---------|--------|------------|
| VF (FORWARD VOLTAGE) | IF=20mA | ORANGE | 2.0V TYP. |
| | IF=20mA | GREEN | 2.2V TYP. |
| λD (DOMINANT WAVELENGTH) | IF=20mA | ORANGE | 610nm TYP. |
| | IF=20mA | GREEN | 570nm TYP. |

OPERATING TEMPERATURE: -40 TO +85°C



| |
|---------------------------------------|
| ORIGINATED BY CHOW WANCHUNG |
| DATE 2016-08-10 |
| DRAWN BY SKY YOU |
| DATE 2016-08-10 |

| |
|---|
| TITLE gigabit MagJack® (Ext. Temp, Tab Up) 0826-1X1T-32-F PATENTED |
|---|

| |
|---|
| PART NO. / DRAWING NO. 08261X1T32-F |
| FILE NAME 08261X1T32-F_E.DWG |

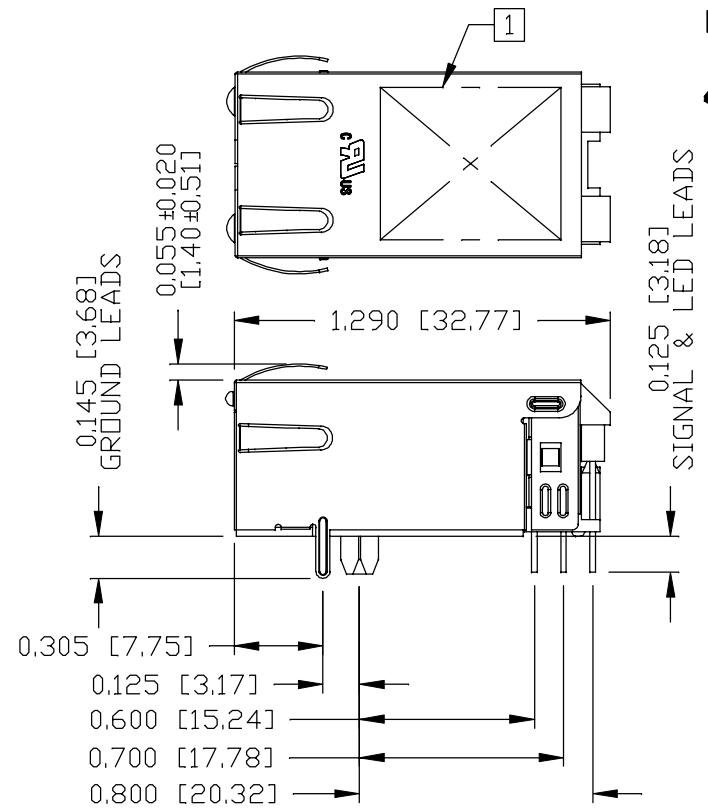
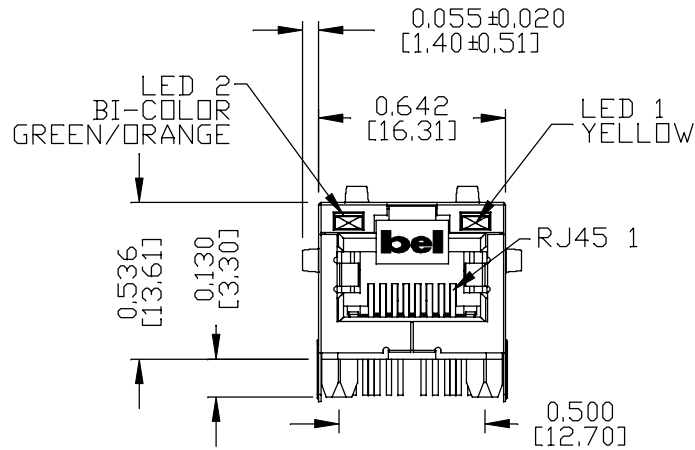
| | |
|--------------------------------------|-----------------------------------|
| STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REF. |
| .X | UNIT : INCH [mm] |
| .XX | SCALE : N/A |
| .XXX | SIZE : A4 |

REV. : E PAGE : 2

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.
- OUTPUT 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.

UL 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 | TITLE gigabit MagJack® (Ext. Temp, Tab Up) 0826-1X1T-32-F PATENTED |
| DATE 2016-08-10 | |
| DRAWN BY JESSE LI | |
| DATE 2016-08-10 | |

| |
|--|
| PART NO. / DRAWING NO. 08261X1T32-F |
| FILE NAME 08261X1T32-F_E.DWG |

| | |
|-------------------------------|----------------------------|
| STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REF. |
| .X | UNIT : INCH [mm] |
| .XX | SCALE : N/A |
| .XXX ±0.010 | SIZE : A4 |

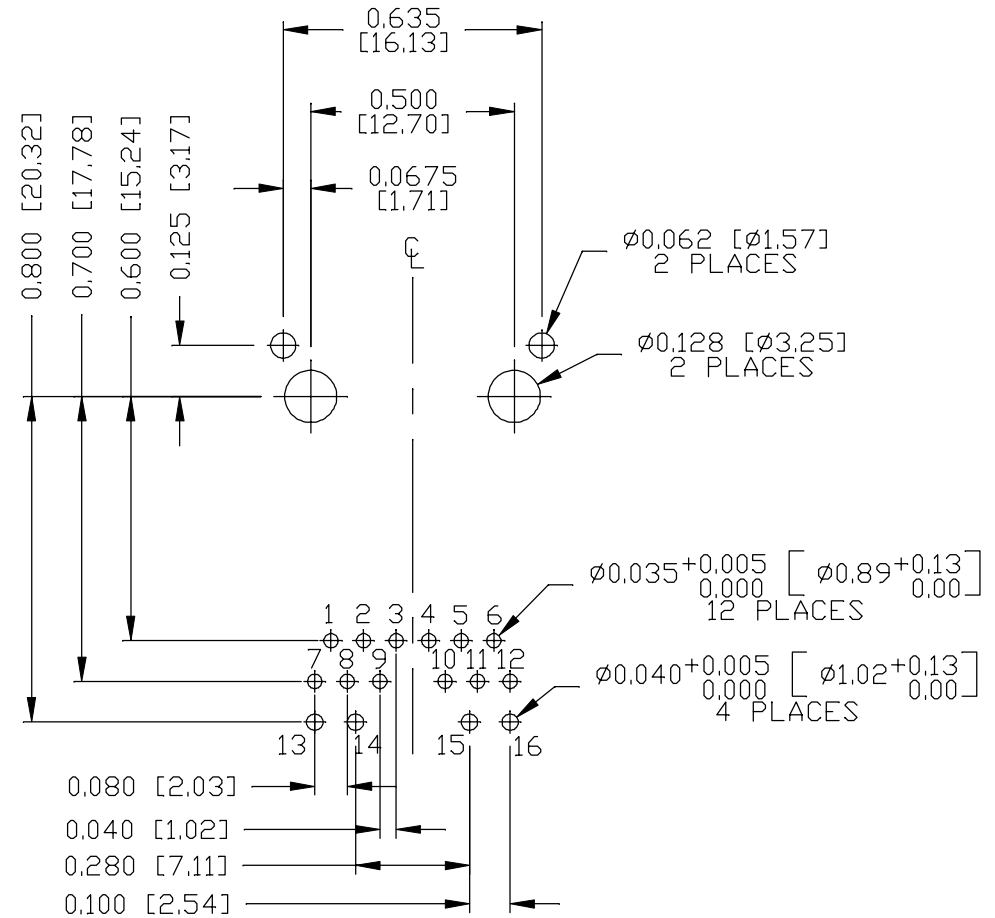
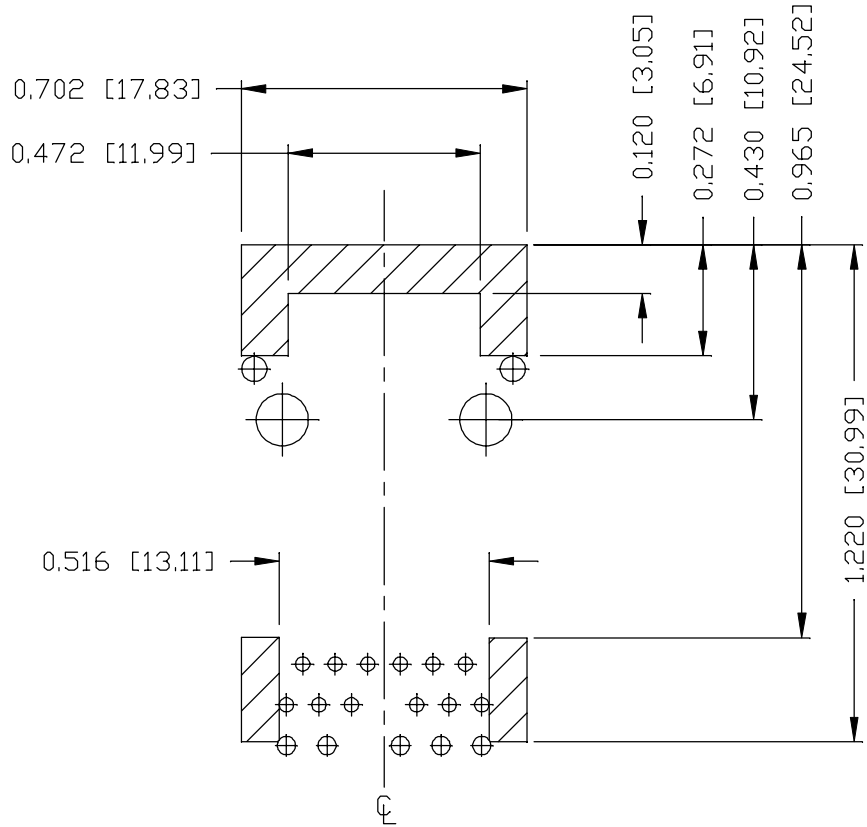
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bel MAGNETIC SOLUTIONS
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RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

RoHS



NOTES

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

ORIGINATED BY
ANTON LIAO
DATE 2016-08-10
DRAWN BY
JESSE LI
DATE 2016-08-10

TITLE
gigabit MagJack®
(Ext, Temp. Tab Up)
0826-1X1T-32-F
PATENTED

PART NO. / DRAWING NO.
08261X1T32-F
FILE NAME
08261X1T32-F_E.DWG

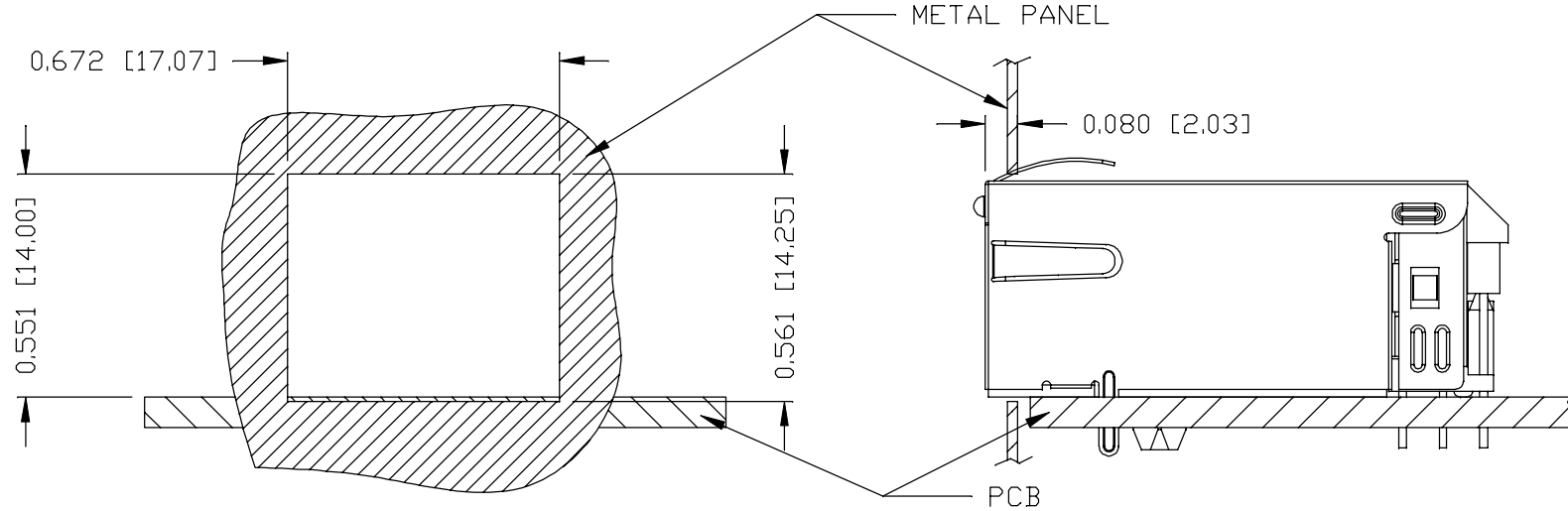
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TOL. IN INCH AS REF.
.X UNIT : INCH [mm]
.XX SCALE : N/A
.XXX ±0.004 SIZE : A4

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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)

| | | | |
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| REV. : | E | PAGE : | 5 |
|--------|---|--------|---|

| | | | | |
|---|--|--|-------------------------------------|----------------------------|
| ORIGINATED BY ANTON LIAO DATE 2016-08-10 DRAWN BY JESSE LI DATE 2016-08-10 | TITLE gigabit MagJack® (Ext, Temp. Tab Up) 0826-1X1T-32-F PATENTED | PART NO. / DRAWING NO. 08261X1T32-F | STANDARD DIM. TOL. IN INCH .X | [] METRIC DIM. AS REF. |
| | | FILE NAME 08261X1T32-F_E.DWG | UNIT : INCH [mm] | SCALE : N/A |
| | | .XX | ±0.004 | SIZE : A4 |
| | | .XXX | | |



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bel:

[0826-1X1T-32-F](#)