

THE INFORMATION CONTAINED HEREIN IS CONSIDERED "PROPRIETARY" TO BEL FUSE INC. AND SHALL NOT BE COPIED, REPRODUCED OR DISCLOSED WITHOUT THE WRITTEN APPROVAL OF BEL FUSE INC.

| LED 1 POLARITY | | | LED 2 POLARITY | | |
|----------------|--------|--------|----------------|--------|--------|
| PIN 13 | PIN 14 | COLOR | PIN 15 | PIN 16 | COLOR |
| + | - | ORANGE | + | - | ORANGE |
| - | + | GREEN | - | + | GREEN |



ELECTRICAL CHARACTERISTICS @ 25°C

URNS RATIO

| | |
|-----|-----------|
| TP1 | 1CT : 1CT |
| TP2 | 1CT : 1CT |
| TP3 | 1CT : 1CT |
| TP4 | 1CT : 1CT |

INS. LOSS (MAX)

| | |
|---------------|---------|
| 1MHz TO 20MHz | -0.8 dB |
| 50MHz | -1.0 dB |
| 200MHz | -1.2 dB |
| 400MHz | -2.0 dB |
| 500MHz | -3.0 dB |

RET. LOSS (MIN)

| | |
|------------------|---------------------|
| 1MHz - 40MHz | -16 dB |
| 40MHz - 400 MHz | -16+10LOG (F/40) dB |
| 400MHz - 500 MHz | -6+30LOG (F/400) dB |

CM TO CM REJ

| | |
|---------------|------------|
| 1MHz - 500MHz | -30 dB MIN |
|---------------|------------|

CM TO DM REJ

| | |
|---------------|------------|
| 1MHz - 500MHz | -30 dB MIN |
|---------------|------------|

HIPOT (Isolation Voltage):

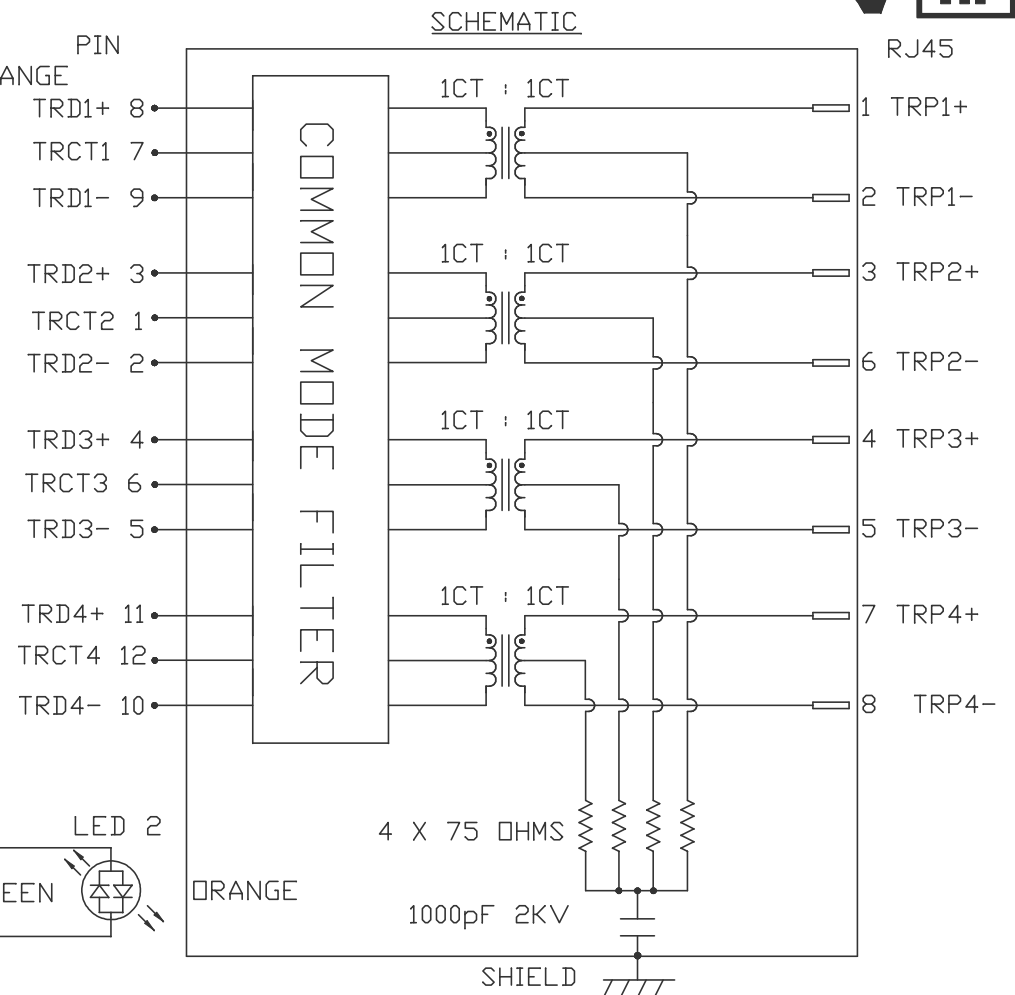
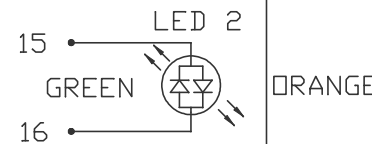
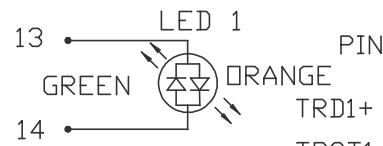
2250VDC

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

LED1 AND LED2

| | | |
|----------------------------------|--------|------------|
| VF (FORWARD VOLTAGE) IF=20mA | GREEN | 2.2V TYP. |
| | ORANGE | 2.0V TYP. |
| λD (DOMINANT WAVELENGTH) IF=20mA | GREEN | 570nm TYP. |
| | ORANGE | 605nm TYP. |

OPERATING TEMPERATURE: 0°C TO +70°C.



ORIGINATED BY
CHOW WANCHUNG
DATE 2018-07-21
DRAWN BY
XIE YIMING
DATE 2018-07-21

TITLE
10 gigabit MagJack®
G15-111T-076C
PATENTED

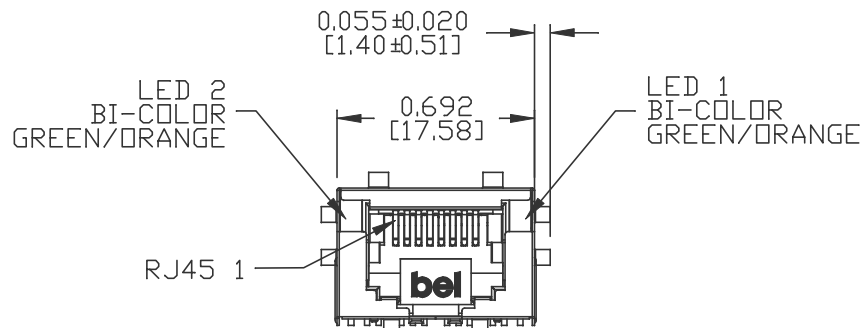
PART NO. / DRAWING NO.
G15-111T076C
FILE NAME
G15-111T076C_B.DWG

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

REV. : B PAGE : 2



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NOTES:

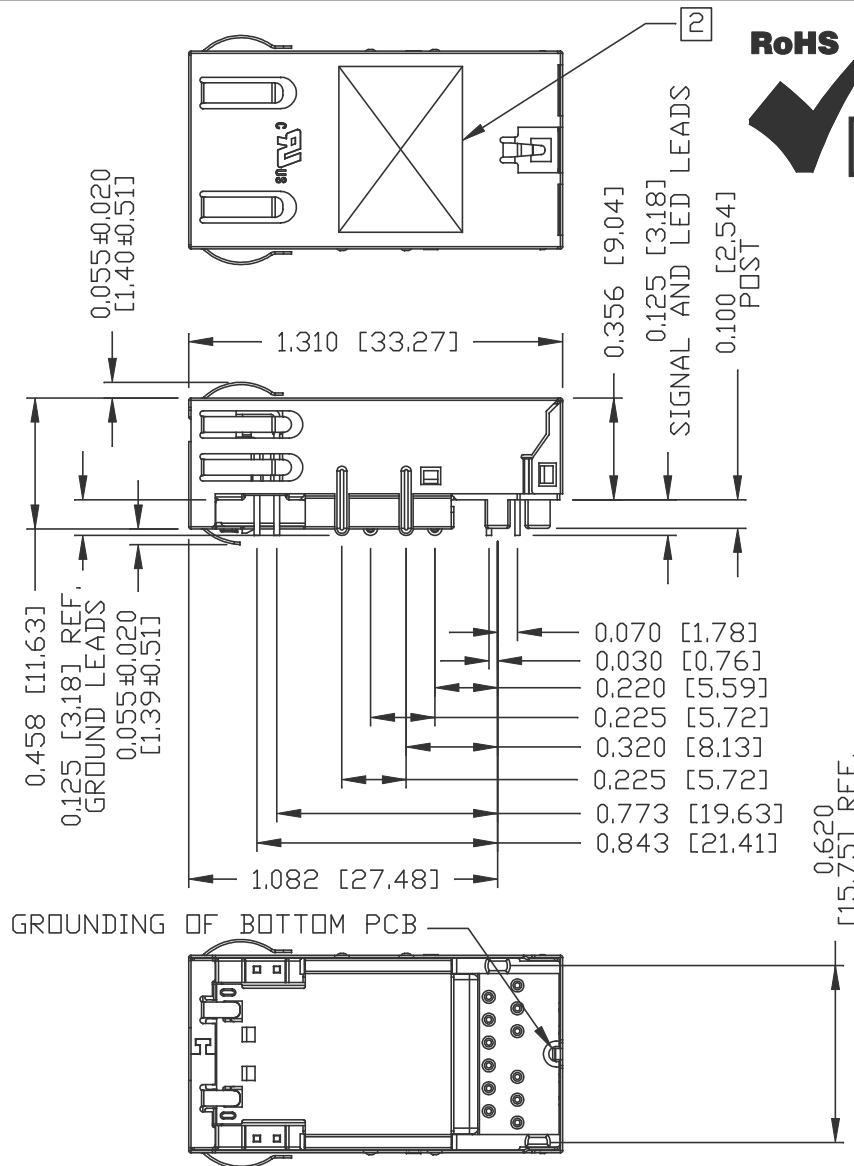
PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT

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)

- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- MARK PART WITH MFG LOGO, NAME, PART NUMBER, DATE CODE AND PATENTED.
- UL RECOGNIZED - FILE # E169987.
- THE PRODUCT IS RoHS COMPLIANT WITH NO EXEMPTION AND HALOGEN FREE WITH ANTIMONY TRIOXIDE CONTAIN LESS THAN 1000 PPM.
- THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 7,429,195 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,924,130.
- THE PRODUCT IS FOR WAVE SOLDER ONLY. THE SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C MAX AND 10 SECONDS MAX.



ORIGINATED BY
ANTON LIAO
DATE 2018-07-21
DRAWN BY
JESSE LI
DATE 2018-07-21

TITLE
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G15-111T-076C
PATENTED

PART NO. / DRAWING NO.
G15-111T076C
FILE NAME
G15-111T076C_B.DWG

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

REV. : B PAGE : 3



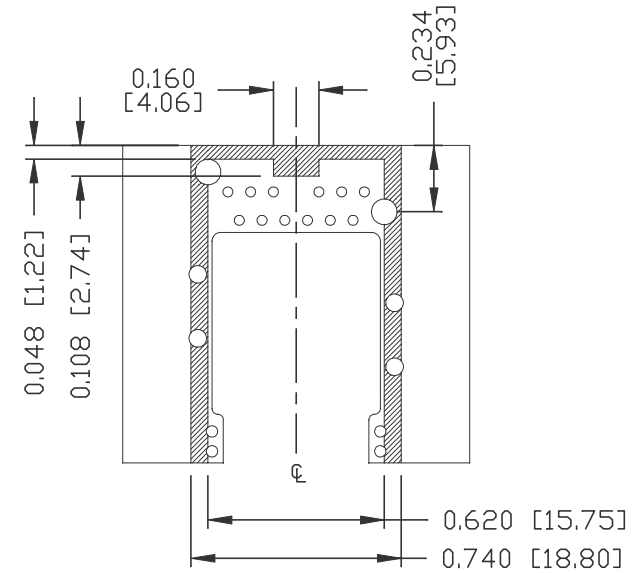
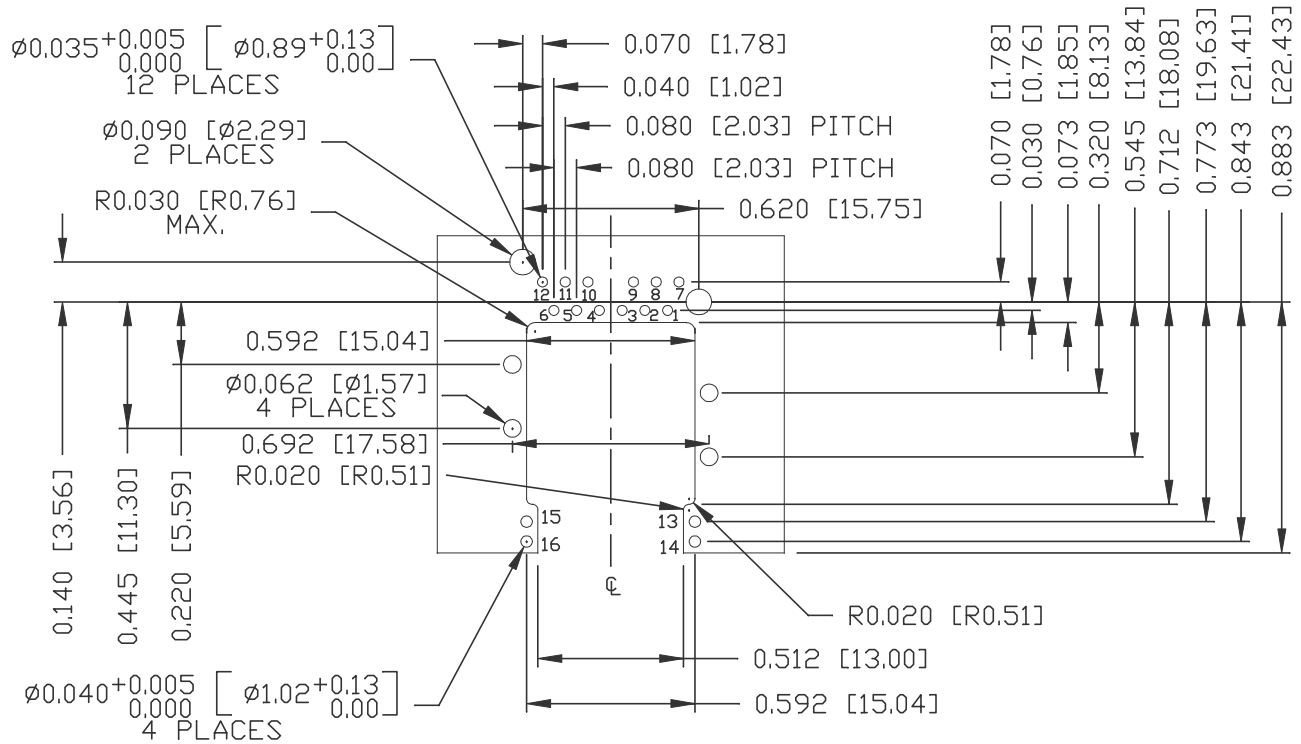
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RoHS



RECOMMENDED PCB FOOTPRINT
(COMPONENT SIDE VIEW)

PRELIMINARY



SUGGESTED FOOTPRINT

NOTES:

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

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ANTON LIAO
DATE 2018-07-21
DRAWN BY
JESSE LI
DATE 2018-07-21

TITLE
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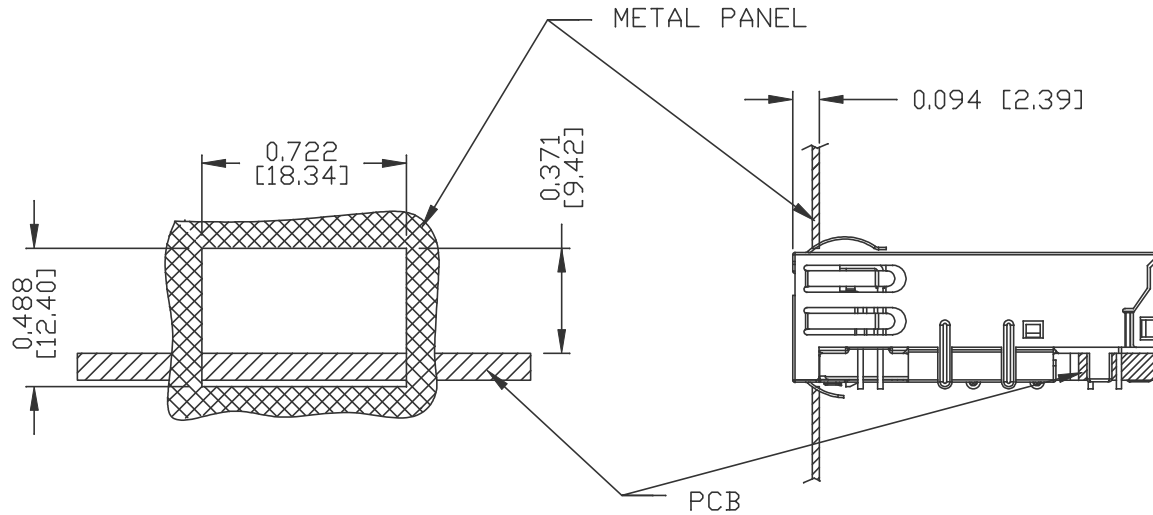
| | |
|-------------------------------|----------------------------|
| STANDARD DIM. TOL. IN INCH | [] METRIC DIM. AS REF. |
| .X | UNIT : INCH [mm] |
| .XX | SCALE : N/A |
| .XXX | ±0.004 |
| | SIZE : A4 |

REV. : B PAGE : 4

a bel group

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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 : 0200M9999-K3 (TOP)
 0200M9999-K2 (BOTTOM)
 PACKING QUANTITY : 48 PCS FINISHED GOODS PER TRAY.
 10 TRAYS (480 PCS FINISHED GOODS) PER CARTON BOX.
 REMARK : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
 (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

| | | | | | | | | | | |
|--|--|---|--|------|-------------------------------|-----------|----------------------------|--|-------------|----------|
| ORIGINATED BY ANTON LIAO DATE 2018-07-21 | | TITLE 10 gigabit MagJack® G15-111T-076C PATENTED | PART NO. / DRAWING NO. G15-111T076C | | STANDARD DIM. TOL. IN INCH | | [] METRIC DIM. AS REF. | | REV. : B | PAGE : 5 |
| DRAWN BY JESSE LI DATE 2018-07-21 | | | FILE NAME G15-111T076C_B.DWG | | .X | | UNIT : INCH [mm] | | a bel group | |
| | | | | | .XX | | SCALE : N/A | | | |
| | | | | .XXX | ±0.005 | SIZE : A4 | | | | |