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| LED1 POLARITY |        |       | LED2 POLARITY |        |        |
|---------------|--------|-------|---------------|--------|--------|
| PIN 16        | PIN 17 | COLOR | PIN 18        | PIN 19 | COLOR  |
| -             | +      | GREEN | -             | +      | YELLOW |
|               |        |       | +             | -      | GREEN  |



ELECTRICAL CHARACTERISTICS @ 25°C

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

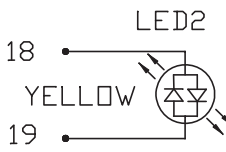
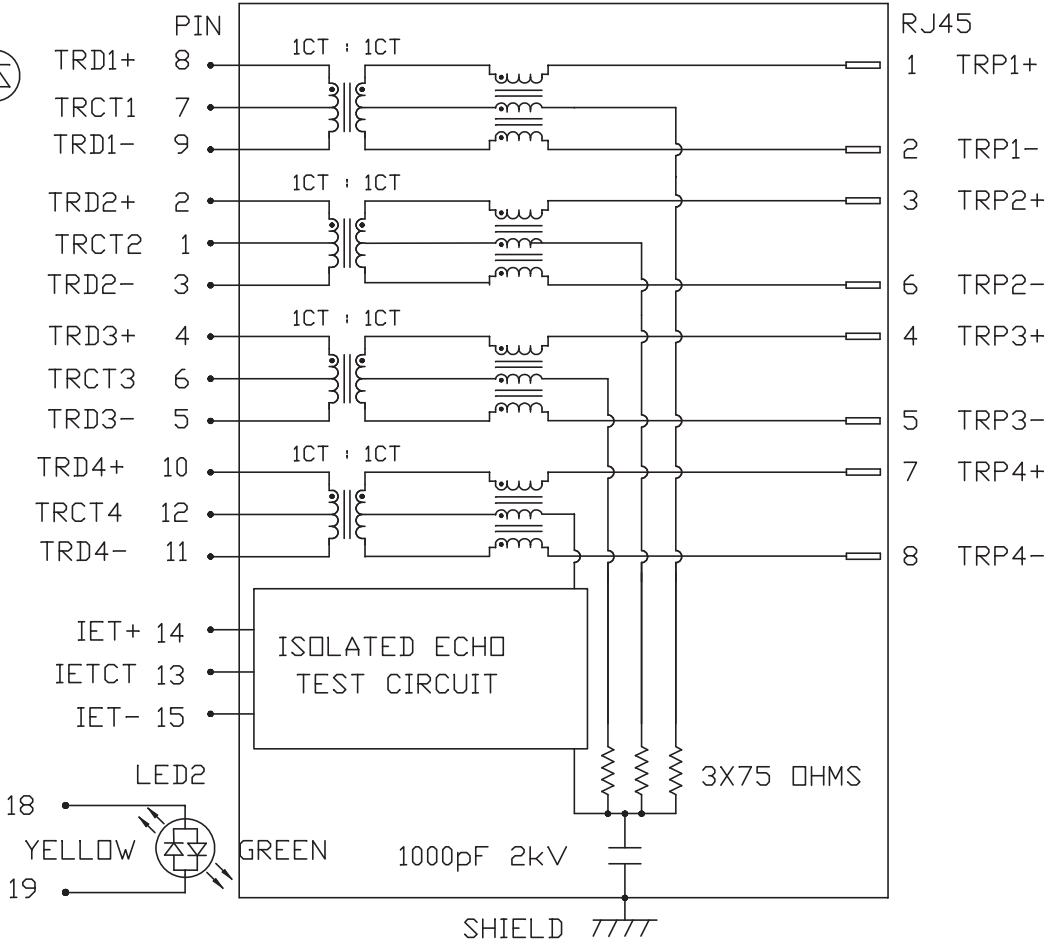
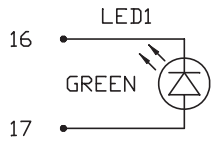
|                 |         |
|-----------------|---------|
| INS. LOSS (MAX) |         |
| 1MHz TO 20MHz   | -0.8 dB |
| 50MHz           | -1.0 dB |
| 200MHz          | -1.2 dB |
| 400MHz          | -2.0 dB |
| 500MHz          | -3.0 dB |

|                            |        |
|----------------------------|--------|
| RET. LOSS (MIN) @ 100 OHMS |        |
| 1MHz                       | -18 dB |
| 2MHz                       | -20 dB |
| 10MHz                      | -20 dB |
| 100MHz                     | -20 dB |
| 200MHz                     | -18 dB |
| 300MHz                     | -15 dB |
| 400MHz                     | -10 dB |
| 500MHz                     | -8 dB  |

|               |            |
|---------------|------------|
| CM TO CM REJ  |            |
| 1MHz - 500MHz | -25 dB MIN |
| CM TO DM REJ  |            |
| 1MHz - 500MHz | -25 dB MIN |

HIPOT (Isolation Voltage): 2250 VDC  
100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

|                          |                                               |
|--------------------------|-----------------------------------------------|
| LED 1                    |                                               |
| VF (FORWARD VOLTAGE)     | IF=20mA GREEN 2.2V TYP.                       |
| λD (DOMINANT WAVELENGTH) | IF=20mA GREEN 570nm TYP.                      |
| LED 2                    |                                               |
| VF (FORWARD VOLTAGE)     | IF=20mA GREEN 2.2V TYP.<br>YELLOW 2.1V TYP.   |
| λD (DOMINANT WAVELENGTH) | IF=20mA GREEN 570nm TYP.<br>YELLOW 590nm TYP. |



ORIGINATED BY  
CHOW WANCHUNG  
DATE 2015-07-08  
DRAWN BY  
HU XIANG  
DATE 2015-07-08

TITLE  
10 Gigabit MagJack®  
(Ultra Low Profile)  
PATENTED

PART NO. / DRAWING NO.  
G13-152T-038  
FILE NAME  
G13-152T-038\_E.DWG

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

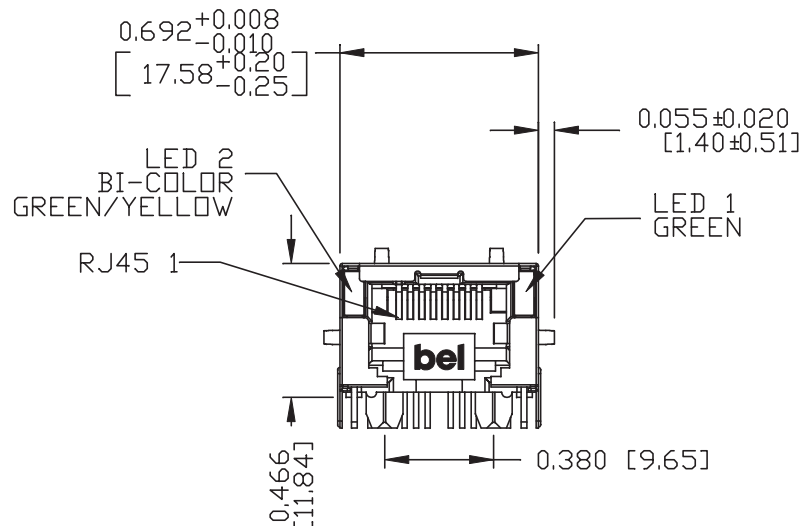
REV. : E PAGE : 2

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# MECHANICAL SPECIFICATION

RoHS

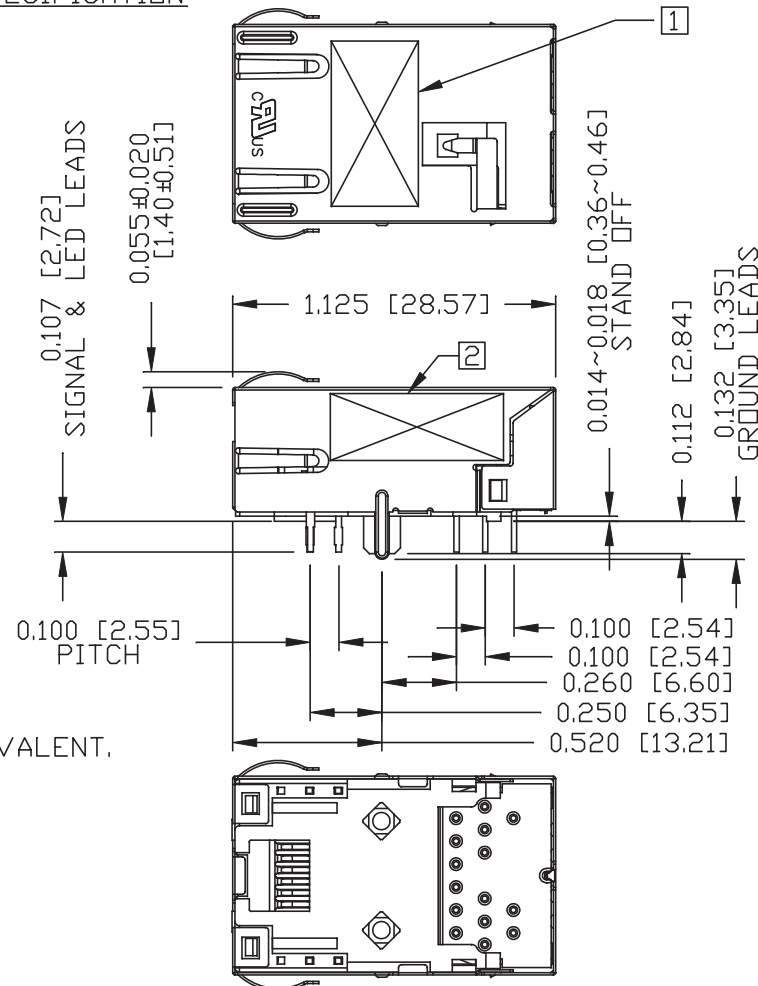


## NOTES:

PLASTIC HOUSING: THERMOPLASTIC PA.  
FLAMMABILITY RATING UL 94V-0  
CONTACTS: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.  
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.  
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.  
(ALL GROUND LEADS ARE SOLDER DIPPED)

1. MARK PART WITH PART NUMBER AND DATE CODE
2. MARK PART WITH MFG. LOGO AND MFG. NAME.
3. "PATENTED" MARKING, THE PRODUCT IS PATENTED. THE PATENT NUMBER ARE U.S. PAT. 7,429,195 AND U.S. PAT. 5,736,910 AND U.S. PAT. 6,840,817 AND U.S. PAT. 7,123,117 AND U.S. PAT. 7,924,130.

UL RECOGNIZED - FILE #E169987.  
4. THE PRODUCT IS RoHS COMPLIANT & HALOGEN FREE.



5. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
6. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.

REV. : E PAGE : 3

ORIGINATED BY  
ANTON LIAO  
DATE 2015-07-08

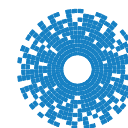
DRAWN BY  
JESSE LI  
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| STANDARD DIM.<br>TOL. IN INCH |        | [ ] METRIC DIM.<br>AS REF. |  |
|-------------------------------|--------|----------------------------|--|
| .X                            |        | UNIT : INCH [mm]           |  |
| .XX                           |        | SCALE : N/A                |  |
| .XXX                          | ±0.010 | SIZE : A4                  |  |



**bel** MAGNETIC SOLUTIONS  
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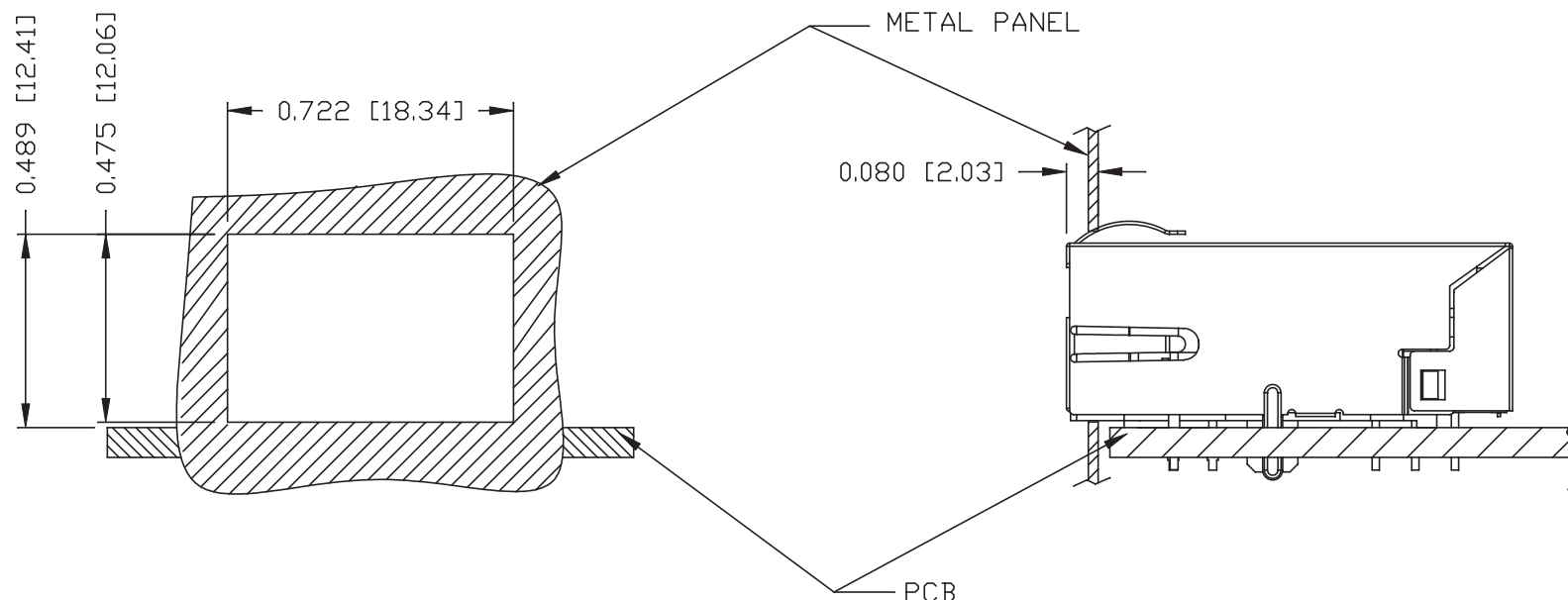


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# SUGGESTED PANEL OPENING



## 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.

## TRAY PACKING INFORMATION

PACKING TRAY : 0200M9999-C6 (TOP)

0200M9999-C7 (BOTTOM)

PACKING QUANTITY : 50 PCS FINISHED GOODS PER TRAY

10 TRAYS (500 PCS FINISHED GOODS) PER CARTON BOX

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX

(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

REV. : E

PAGE : 5

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(Ultra Low Profile)  
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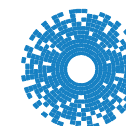
FILE NAME  
G13-152T-038\_E.DWG

STANDARD DIM.  
TOL. IN INCH

|        |   |
|--------|---|
| .X     | / |
| .XX    |   |
| .XXX   |   |
| ±0.004 |   |

[ ] METRIC DIM.  
AS REF.

UNIT : INCH [mm]  
SCALE : N/A  
SIZE : A4



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