### LED1 POLARITY vs LED2 POLARITY

<table>
<thead>
<tr>
<th>PIN 13</th>
<th>PIN 14</th>
<th>COLOR</th>
<th>PIN 15</th>
<th>PIN 16</th>
<th>COLOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>+</td>
<td>YELLOW</td>
<td>+</td>
<td>-</td>
<td>ORANGE</td>
</tr>
<tr>
<td>-</td>
<td>+</td>
<td>GREEN</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### ELECTRICAL CHARACTERISTICS @ 25°C

- **Turns Ratio**
  - TR1: 1CT : 1CT #2
  - TR2: 1CT : 1CT #2
  - TR3: 1CT : 1CT #2
  - TR4: 1CT : 1CT #2

- **QEL @ 100kHz/10mVRMS**
  - 8pA DC PIAS 950μH MIN.

- **JINS, LOSS**
  - 0.1kHz TO 1kHz: -11 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)**
  - 0.5kHz-40kMHz: -20 dB
  - 40MHz-100MHz: -20dB/10MHz dB MIN

- **CROSS TALK**
  - 100kHz - 100kHz: -33+20logf/100MHz dB MIN

- **CM TO CM REJ**
  - 100kHz - 100kHz: -30 dB MIN

- **CM TO DM REJ**
  - 100kHz - 100kHz: -35 dB MIN

- **HIPOT (Isolation Voltage):**
  - 1500 Vrms or 2250VDC

### LED 1 & LED 2

- **VF (FORWARD VOLTAGE):**
  - Jf=20mA YELLOW 2.1V TYP.
  - Jf=20mA YELLOW 590mV TYP.

- **Vf (FORWARD VOLTAGE):**
  - Jf=20mA GREEN 2.2V TYP.
  - Jf=20mA GREEN 570mV TYP.

### OPERATING TEMPERATURE: 0°C TO +70°C.

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**Revised:** C  **Page:** 2

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**Originated by:** Chow Wanchung  **Drawn by:** Xie Yiming

**Date:** 2017-03-25  **Date:** 2017-03-25

**Title:** 1X2 gigabit MagJack® (TAB-UP WITH LEDS)  **File Name:** 08261X2T43-F_C.DWG

**Part No. / Drawing No:** 08261X2T43-F  **File Path:** 08261X2T43-F_C.DWG

**Standard Dim.**

<table>
<thead>
<tr>
<th>UNIT</th>
<th>INCH</th>
<th>[ ] METRIC DIM. AS REF.</th>
</tr>
</thead>
</table>

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK

CONTACTS PLATING: 30 MICRO-INCH HARD GOLD PLATING

OR EQUIVALENT.

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,

(GROUND LEADS ARE SOLDER DIPPED)

MARK PART WITH MFG LOGO, PART NUMBER, DATE CODE,

MFG NAME AND PATENTED.

UL RECOGNIZED - FILE #E196366 AND E169987.
NOTES

THE SHADED AREA ON THE CUSTOMER BOARD ARE RECOMMENDED TO BE CLEAR OFF ANY VIA HOLE OR COMPONENT PAD.
NOTES:
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-J1 (TOP)
                0200-9999-J2 (BOTTOM)
PACKING QUANTITY: 49 PCS FINISHED GOODS PER TRAY
                  7 TRAYS (343 PCS FINISHED GOODS) PER CARTON BOX.
NOTE: CARDBOARD ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
     (INCLUDE THE UPPERMOST AND LOWEREST TRAY)