**LED1 POLARITY**

<table>
<thead>
<tr>
<th>PIN 17</th>
<th>PIN 18</th>
<th>COLOR</th>
<th>LED2 POLARITY</th>
</tr>
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<tbody>
<tr>
<td>-</td>
<td>+</td>
<td>YELLOW</td>
<td>-</td>
</tr>
<tr>
<td>1CT</td>
<td>1CT</td>
<td>±2%</td>
<td>1CT</td>
</tr>
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<td>±2%</td>
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<td>±2%</td>
<td>1CT</td>
</tr>
</tbody>
</table>

**ELECTRICAL CHARACTERISTICS @ 25°C**

**TURNS RATIO**
- TP1: 1CT : 1CT ±2%
- TP2: 1CT : 1CT ±2%
- TP3: 1CT : 1CT ±2%
- TP4: 1CT : 1CT ±2%

**OCL @ 100kHz/100mVRMS**
- 8mA DC BIAS: 350µA 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

**CROSS TALK**
- 100kHz - 100MHz: -33+20LOG(f/100MHz)dB MIN

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

**CM TO DM REJ**
- 100kHz - 100MHz: -35 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 YELLOW 2.1V TYP.
- JD (DOMINANT WAVELENGTH): IF=20mA YELLOW 590nm TYP.

**LED 2**
- VF (FORWARD VOLTAGE): IF=20mA GREEN 2.2V TYP.
- JD (DOMINANT WAVELENGTH): IF=20mA GREEN 565nm TYP.

**BALANCED DC LINE CURRENT**
- 350 mA MAX. @ 57 VDC CONTINUOUS
- 500 mA MAX. @ 57 VDC FOR 200 MILLISECONDS
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MECHANICAL SPECIFICATION

RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW

NOTES:
PLASTIC HOUSING: THERMOPLASTIC PA 46
FLAMMABILITY RATING UL 94V-0
CONTACTS: 50 MICRO-INCH HARD GOLD PLATING
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.016 AND DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
ALL GROUND LEADS ARE SOLDER DIPPED
1. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

UL RECOGNIZED - FILE #E196366 AND E169987.
RoHS COMPLIANT, PER EU DIRECTIVE 2002/95/EC
JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.

<table>
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<tr>
<th>ORIGINATED BY</th>
<th>DATE</th>
<th>TITLE</th>
<th>PART NO. / DRAWING NO.</th>
<th>STANDARD DIM.</th>
<th>[ ] METRIC DIM. AS REFERENCE</th>
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<tr>
<td>BILL</td>
<td>03-15-07</td>
<td>Gigabit MagJack® (VDIP) 08261X1TM1-F</td>
<td>X</td>
<td>SCALE : N/A SIZE : A4 PAGE : 3</td>
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<td>0826-1X1T-M1-F</td>
<td>XX</td>
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</tbody>
</table>

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

METAL PANEL

0.675 [23.99]

0.080 [2.84]

PCB

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)