### LED1 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>
</tbody>
</table>

### 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>GREEN</td>
<td>-</td>
<td>+</td>
<td>GREEN</td>
</tr>
</tbody>
</table>

### ELECTRICAL CHARACTERISTICS @ 25°C

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

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

**INS. LOSS**
- 0.1MHz TO 1MHz: -11 dB MAX
- 1MHz TO 6MHz: -13 dB MAX
- 6MHz TO 100MHz: -0.5 dB MAX
- 100MHz TO 125MHz: -1.2 dB MAX

**RET. LOSS (MIN)**
- 0.5MHz-40MHz: -16 dB
- 40MHz-100MHz: -12+20LOG(f/80MHz) dB

**CM TO CM REJ**
- 10kHz - 100kHz: -20 dB MIN
- 100kHz - 1MHz: -30 dB MIN
- 1MHz - 10MHz: -35 dB MIN

**HIPOT (Isolation Voltage)**
- 2250VDC

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

**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, GREEN 2.2V TYP.
- λD (Dominant Wavelength): IF=20mA, GREEN 565nm TYP.
- ORANGE 3.0V TYP.
- ORANGE 610nm TYP.

**SCHEMATIC**

- RJ45
- TRD1+ 11, TRC1 12, TRD1- 10
- TRD2+ 4, TRC2 6, TRD2- 5
- TRD3+ 3, TRC3 1, TRD3- 2
- TRD4+ 8, TRC4 7, TRD4- 9
- 4: 75 OHMS
- 1000pF 2kV
- SHIELD 7777
NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT

FLAMMABILITY RATING UL 94V-0

CONTACTS PLATING: 30 MICRO-INCH HARD GOLD PLATING

TIN-COATED COPPER WIRE, DIA 0.008 INCH.

METAL SHIELD: NICKEL PLATED ON COPPER ALLOY

(ALL GROUND LEADS ARE SOLDER DIPPED)

MARK PART WITH MFG LOGO, PART NUMBER, DATE CODE
AND MFG NAME.

UL RECOGNIZED - FILE #E196366 AND E169987.

RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.
SUGGESTED PANEL OPENING

NOTES:
The distance of panel inside surface relative to front surface of part is only a suggestion. In case the distance is different, the required panel opening dimensions change accordingly.

PACKING INFORMATION
PACKING TRAY: 0200-9999-II (TCP)
0200-9999-I2 (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)

ANTON LIAO 09-29-07
DRAWN BY BEN LIN 09-29-07

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