**ELECTRICAL CHARACTERISTICS @ 25°C**

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

**DCL @ 100kHz/100mVRMS**
- 8mA DC BIAS: 350μH 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

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

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

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

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**SCHEMATIC**

- RJ45
- 1 TRP1+
- 2 TRP1-
- 3 TRP2+
- 6 TRP2-
- 4 TRP3+
- 5 TRP3-
- 7 TRP4+
- 8 TRP4-

**4X 75 OHMS**

**GND**

**1000pF 2kV**

**SHIELD 77777**
NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING
OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
METAL SHIELD: NICKEL PLATED COPPER ALLOY.

1. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS,
   PART 68 SUBPART F.
2. MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER, AND DATE CODE.

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

FILE NAME
08332X4R54-F.B.DWG

LEGEND
RoHS
UL RECOGNIZED - FILE #E196366 AND E169987.
Port Assignment

(Port Component Side View)

Pin-Out Information

(Component Side View)

<table>
<thead>
<tr>
<th>Port</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TRD 1-</td>
</tr>
<tr>
<td>2</td>
<td>TRD 1+</td>
</tr>
<tr>
<td>3</td>
<td>TRD 2-</td>
</tr>
<tr>
<td>4</td>
<td>TRD 2+</td>
</tr>
<tr>
<td>5</td>
<td>TRD 3-</td>
</tr>
<tr>
<td>6</td>
<td>TRD 3+</td>
</tr>
<tr>
<td>7</td>
<td>TRD 4-</td>
</tr>
<tr>
<td>8</td>
<td>TRD 4+</td>
</tr>
<tr>
<td>9</td>
<td>TRCTRL/2/3/4</td>
</tr>
<tr>
<td>10</td>
<td>GND</td>
</tr>
</tbody>
</table>

The shaded area on the customer board are recommended to be clear off any via hole or component pad.

This document is electronically generated. This is a controlled copy if used internally.
Recommended PCB front edge cutout. The bottom shield ground tabs (front) should not be seated on the top of the PCB.

SUGGESTED FOOTPRINT
(COMPONENT SIDE VIEW)
SUGGESTED PANEL OPENING

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 : 0200-0148-46 (TOP)
0200-0148-47 (BOTTOM)

PACKING QUANTITY : 20 PCS FINISHED GOODS PER TRAY.
7 TRAYS (140 PCS FINISHED GOODS) PER CARTON BOX.

NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)