ELECTRICAL CHARACTERISTICS @ 25°C

<table>
<thead>
<tr>
<th>PIN</th>
<th>VALUE</th>
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<tbody>
<tr>
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<tr>
<td>TRD1- 2</td>
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</tr>
<tr>
<td>TRD2+ 4</td>
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</tr>
<tr>
<td>TRD2- 5</td>
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<tr>
<td>TRD3+ 7</td>
<td>1CT : 1CT</td>
</tr>
<tr>
<td>TRD3- 8</td>
<td>1CT : 1CT</td>
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<tr>
<td>TRD4+ 10</td>
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<td>TRD4- 11</td>
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<tr>
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<td>1CT : 1CT</td>
</tr>
<tr>
<td>TRCT2 6</td>
<td>1CT : 1CT</td>
</tr>
<tr>
<td>TRCT3 9</td>
<td>1CT : 1CT</td>
</tr>
<tr>
<td>TRCT4 12</td>
<td>1CT : 1CT</td>
</tr>
<tr>
<td>RJ45</td>
<td>1 TRP1+</td>
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<tr>
<td></td>
<td>2 TRP1-</td>
</tr>
<tr>
<td></td>
<td>3 TRP2+</td>
</tr>
<tr>
<td></td>
<td>4 TRP2-</td>
</tr>
<tr>
<td></td>
<td>5 TRP3+</td>
</tr>
<tr>
<td></td>
<td>6 TRP3-</td>
</tr>
<tr>
<td></td>
<td>7 TRP4+</td>
</tr>
<tr>
<td></td>
<td>8 TRP4-</td>
</tr>
</tbody>
</table>

SCHEMATIC

COMMON MODE FILTER

Schematic diagram showing the connections and components of the common mode filter.

1000pF 2kV (ONE CAP PER PORT)

75 OHMS X 4

SHIELD CHASSIS GROUND

REVISION: 2

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NOTES:

PLASTIC HOUSING: THERMOPLASTIC PBT, BLACK.
FLAMMABILITY RATING UL 94V-0

CONTACT PLATING: 50 MICRO-INCH HARD GOLD PLATING OR EQUIVALENT.
OUTPUT 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.
(ALL GROUND LEADS ARE SOLDER DIPPED)

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

3. THE PRODUCT IS RoHS COMPLIANT.
   UL RECOGNIZED - FILE #E169987.

4. THE PRODUCT IS PATENTED.
   "PATENTED" MARKING IS ON THE TOP SURFACE.
   THE PATENT NUMBER ARE U.S. PAT. 7,429,195 & U.S. PAT.

5. THE AXIAL RETENTION FORCE OF RJ PORT IS 15LBS MIN.

6. THE FINISHED GOODS IS WITHOUT SMD LED. THE SMD LED IS
   PROVIDED BY CUSTOMER HERSELF. AND THE SMD LED IS
   MOUNTED ON CUSTOMER PCB.

ORIGINATED BY
SANDY LIN
DATE 2021-05-24

DRAWN BY
RUAN WENJUN
DATE 2021-05-24

TITLE 2X8 10 Gigabit MagJack®
PATENTED

PART NO. / DRAWING NO. G14-D8NV-010B

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

FILE NAME G14-D8NV-010B_2.DWG

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SUGGESTED FOOTPRINT
(COMponent Side View)

Recommended PCB front edge.
NOTE:

1. 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.
2. RECOMMENDED COMPRESSION OF THE FLEXIBLE GASKET MATERIAL OF 25%.
3. RECOMMENDED FLEXIBLE GASKET THICKNESS BEFORE COMPRESSION IS 0.103 INCH.
4. THE FLEXIBLE GASKET CAN BE ORDERED SEPARATELY VIA PART NUMBER 0080M1700-05.

PACKING INFORMATION

PACKING TRAY : 0200-9999-D1 (TOP)
               0200-9999-D9 (BOTTOM)

PACKING QUANTITY : 10 PCS FINISHED GOODS PER TRAY.
                   5 TRAYS (50 PCS FINISHED GOODS) PER CARTON BOX.

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