ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO
1CT : 1CT ±3%

OCL @ 0.1V, 100KHz
8mA DC BIAS 350μH MIN.

RETURN LOSS (MIN.)
1MHz-30MHz -18 dB
60MHz-80MHz -12 dB

INSERTION LOSS (MAX.)
100KHz TO 100MHz -1.1 dB

XTALK
100KHz TO 100MHz -35 dB MIN.

HIPOT (Isolation Voltage): 1500 Vrms or 2250VDC
100% OF PRODUCTION TESTED TO COMPLY WITH
IEEE 802.3 ISOLATION REQUIREMENTS.

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

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

CONTACT PLATING: 30 MICRO-INC. HARD GOLD PLATING OR EQUIVALENT.

OUTPUT PINS: TIN-COATED COPPER WIRE, DIA. 0.018 INCH.
100 MICRO-INC. MIN. MATTE TIN.
PINS ARE SOLDER DIPPED.

METAL SHIELD: NICKEL PLATED 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, MFG NAME, PART NUMBER AND DATE CODE.
3. THE PRODUCT IS RoHS COMPLIANT.

UL LISTED & RECOGNIZED - FILE #E196366 AND E169987.

4. THE PART IS RECOMMENDED FOR WAVE SOLDERING. THE
SUGGESTED PEAK WAVE SOLDERING CONDITION IS 260°C
MAX AND 10 SECONDS MAX.

PART NO. / DRAWING NO.
08112X6R28-F

FILE NAME
08112X6R28-F_D.DWG

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

This document is electronically generated. This is a controlled copy if used internally.
### PORT ASSIGNMENT

**COMPONENT SIDE VIEW**

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>..................</td>
</tr>
<tr>
<td>2</td>
<td>.................</td>
</tr>
<tr>
<td>3</td>
<td>.................</td>
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<td>11</td>
<td>..................</td>
</tr>
<tr>
<td>12</td>
<td>..................</td>
</tr>
</tbody>
</table>

**DIMENSIONS**

- Upper Deck Height: 3.190 [0.125]
- Lower Deck Height: 3.490 [0.138]
- Width: 1.230 [0.485]
- Height: 0.530 [0.210]
- Width: 0.425 [0.170]

### PIN-OUT INFORMATION

**COMPONENT SIDE VIEW**

<table>
<thead>
<tr>
<th>Pin</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GND</td>
</tr>
<tr>
<td>2</td>
<td>TCT</td>
</tr>
<tr>
<td>3</td>
<td>TD-</td>
</tr>
<tr>
<td>4</td>
<td>N/C</td>
</tr>
<tr>
<td>5</td>
<td>RCT</td>
</tr>
<tr>
<td>6</td>
<td>TD+</td>
</tr>
<tr>
<td>7</td>
<td>RD-</td>
</tr>
<tr>
<td>8</td>
<td>RD+</td>
</tr>
</tbody>
</table>

### NOTES:

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

---

**ORIGINATED BY**

ANTON LIAD

**DATE**

2017-12-09

**DRAWN BY**

LI QUANKUN

**DATE**

2017-12-09

**TITLE**

2X6 MagJack®
(4 Cores)

**PART NO. / DRAWING NO.**

08112X6R28-F

**FILE NAME**

08112X6R28-F_D.DWG

**STANDARD DIM. TOL. IN INCH**

<table>
<thead>
<tr>
<th>X</th>
<th>UNIT : INCH [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SCALE : N/A</td>
</tr>
<tr>
<td>XXX</td>
<td>SIZE : A4</td>
</tr>
</tbody>
</table>

**METRIC DIM. AS REF.**

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SUGGESTED FOOTPRINT
(Component Side View)

Recommended PCB front edge cutout. The bottom shield ground tabs (front) should not be seated on the top of the 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-A9 (TOP)
0200-9999-A8 (BOTTOM)
PACKING QUANTITY : 15 PCS FINISHED GOODS PER TRAY
7 TRAYS (105 PCS FINISHED GOODS) PER CARTON BOX
NOTE : CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX (INCLUDE THE UPPERMOST AND LOWERMOST TRAY)