ELECTRICAL CHARACTERISTICS @ 25°C

<table>
<thead>
<tr>
<th>LED 1 POLARITY</th>
<th>LED 2 POLARITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIN 17</td>
<td>PIN 18</td>
</tr>
<tr>
<td>-</td>
<td>+</td>
</tr>
<tr>
<td>-</td>
<td>+</td>
</tr>
</tbody>
</table>

**TURNS RATIO**
- TP1: 1CT : 1CT 42%
- TP2: 1CT : 1CT 42%
- TP3: 1CT : 1CT 42%
- TP4: 1CT : 1CT 42%

**OCL @ 100kHz/100mVRMS (4CHANNEL)**
- 23mA DC BIAS 120μH MIN.

**RET. LOSS (MIN)**
- 1MHz-40MHz -18 dB MIN
- 40MHz-250MHz -18+10LOG10(f/40MHz) 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**

**BALANCED DC LINE CURRENT** 1A MAX, CONTINUOUS
- 1.2A MAX, FOR 200 MILLISECONDS

**OPERATING TEMPERATURE** -40°C TO 100°C

**LED 1 (FORWARD VOLTAGE)** IF=20mA YELLOW 2.1V TYP.

**LED 2 (DOMINANT WAVELENGTH)**
- VF: 20mA GREEN 2.2V TYP.
- ORANGE 2.0V TYP.

**SHIELD 7777**

**REV.:** PB  **PAGE:** 2

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NOTES:
PLASTIC HOUSING: THERMOPLASTIC PA, BLACK
FLAMMABILITY RATING UL 94V-0
CONTACTS: 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.
MARK PART WITH MFG LOGO, MFG NAME, PART NUMBER,
DATE CODE AND PATENTED.

UL RECOGNIZED - FILE #E196366 AND E169987.
2. THE PRODUCT IS RoHS COMPLIANT.

5 gigabit MagJack®
(1PPoE, 100W, Extended Temp.)
PART NO. / DRAWING NO.
08261X1TKL-F
08261X1TKL-F_PB.DWG

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

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NOTES:

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

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)

ORIGINATED BY
ANTON LIAO
DATE 2019-03-29

DRAWN BY
SANDY LIN
DATE 2019-03-29

TITLE
5 gilgabit MagJack®
(4PoE, 100W, Extended Temp.)
08261X1TKL-F
PATENTED

PART NO. / DRAWING NO.
08261X1TKL-F

STANDARD DIM. TOL. IN INCH [ ] METRIC DIM. AS REF.

FILE NAME
08261X1TKL-F_P3.DWG

REV.: P3 PAGE: 5

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