Comply with RoHS

PC Board Layout

LED Specification

<table>
<thead>
<tr>
<th>Standard LED Color</th>
<th>LED Wavelength</th>
<th>Rated Current (mA)</th>
<th>Typical (V)</th>
<th>Luminous Intensity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>590-595 nm</td>
<td>25</td>
<td>2.1-2.2</td>
<td>9-25 mcd</td>
</tr>
<tr>
<td>Yellow</td>
<td>580-581 nm</td>
<td>25</td>
<td>2.1-2.2</td>
<td>9-30 mcd</td>
</tr>
<tr>
<td>Orange</td>
<td>580-590 nm</td>
<td>25</td>
<td>2.1-2.2</td>
<td>30-100 mcd</td>
</tr>
</tbody>
</table>

1. LED intensity/wavelength measured with Photo Research PR-650 Color Meter.
2. With a forward current of 20 mA.

TOLERANCES UNLESS OTHERWISE SPECIFIED:
- 0-10: ±0.15; 10-20: ±0.10; 20-40: ±0.05
- 40-70: ±0.05; >70: ±0.4

JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
DESCRIPTION

ELECTRICAL:
- RJ45 With internal Magnetics Connector
- Designed to support such applications as: Ethernet, Equipment, Complex, Switches, Routers, Firewalls, Servers and Hub
- Internal magnetics are 100% electrically tested for functionality per IEEE802.3 requirement
- RoHS peak wave solder temperature rating 235°C
- High performance for maximum EMI suppression
- 350uH minimum OCL with 8mA bias current

MECHANICAL:
- JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS, PART 68 SUBPART F.
- INSERTION FORCE: 8 CONTACTS—900g, 10 CONTACTS—1050g
- RETENTION STRENGTH: 7.2kg between JACK and PLUG
- DURABILITY: 750 MATING CYCLES Min

MATERIAL:
- HOUSING: 1) GLASS FILLED P66 (UL 94V-0)
  2) GLASS FILLED PAM6/PAM6/LCP/265°C (UL 94V-0)
  3) GLASS FILLED PBI/PB/ABS/PC (UL 94V-0)
- SPRING WIRE: 0.25-0.35mm THICKNESS PHOSPHOR BRONZE ALLOY SELECTIVE PLATING OVER NICKEL(50-80μm)
- OVER TIN(60-120μm)
- GOLD PLATING: 3μ, 5μ, 15μ, 30μ, 50μ
- SHIELDING: 0.2-0.24mm THICKNESS COPPER ALLOY WITH NICKEL(50-100μm) PLATED
- Storage: -40°C to 85°C Relative Humidity 70%
- Operating: 0°C to 70°C

B-TOP®
Dongguan BroadTop Electronic Technology Co., Ltd.

**Electrical Specifications at 25°C**

<table>
<thead>
<tr>
<th>Insertion Loss (dB) max</th>
<th>Return Loss (dB min)</th>
<th>Common Mode Rejection (dB typ)</th>
<th>Ripple (Vrms)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-125MHz</td>
<td>1-50MHz</td>
<td>30 – 100MHz</td>
<td>-15 – -18±620μV(±10μV/10μm)</td>
</tr>
<tr>
<td>1-100MHz</td>
<td>1-100MHz</td>
<td>-30</td>
<td>-30</td>
</tr>
</tbody>
</table>

Family code (sequence 60 7 49)

Number of magnetic rings:

The No. of windings

Product definition (LO60): 1. Press 3 – TCP
2. No B – 108P
3. Other companies LO60

Product definition plastic materials: PA66, PAM6, LCP, ABS, PB, ABS/PC, PE, PA6

Product definition of the product (LO60) after B: Plastic:
A = ABS, C = PA6, I = PE, M = PA66

Product definition definition: 0 = no shielding sheet, 1 = shielding sheet, 2 = mild steel, 3 = a half shield sheet

Product material (BT F4-03A) B: stainless steel, C: mild steel, I: stainless steel, M: stainless steel

Product marking: B80010000311

B80010000311

REV.

B80010000311