

**Style**

M8 Socket  
5 pin  
B-coding

**Ratings**

Voltage: 30 V  
Current: 3 A

**Operating Temperature Range**

-40~105°C

**Materials**

- ① Insulator: PA66, UL94 HB, black
- ② Pin: C3604 brass, gold flashing
- ③ Shell: C3604 brass, nickel plated
- ④ O-ring: Silicone rubber

**Electrical Requirements**

Dielectric strength: 1 min @ 500 Vac  
Insulation resistance: 100 MΩ @ 500 Vdc  
Contact resistance: 10 mΩ or less

**Mechanical Requirements**

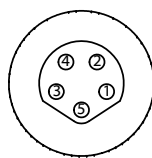
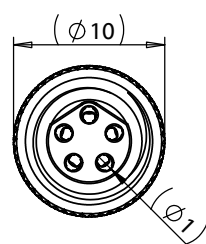
Life cycle: 1000 mating cycles minimum

**Environmental Requirements**

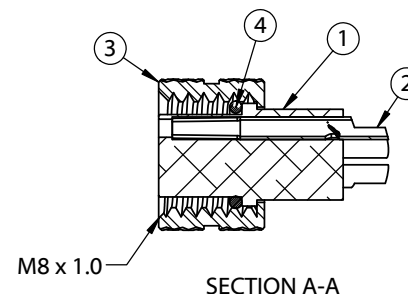
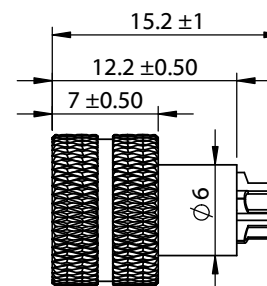
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.  
Waterproof: IP67

**Assembly Info**

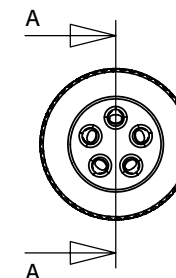
Wire gauge: 24 AWG max



Front View  
Not to Scale



SECTION A-A



|           |            |                 |  |  |   |                          |              |
|-----------|------------|-----------------|--|--|---|--------------------------|--------------|
| Revision: | Date:      | Description:    | Prepared:  | Notes:   | <b>TENSILITY</b><br>tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com |                          |              |
| A         | 12/27/2022 | Initial release | Verified:  | RoHS compliant<br>Function test: no open, no short circuit, no intermittent                                  |   |                          |              |
|           |            |                 | Dimensions are in millimeters.<br>Tolerances:<br>X: ± 0.3 mm<br>X.X: ± 0.1 mm<br>X.XX: ± 0.05 mm | Description:<br>Connector, M8 B-code socket, 5 pin, 8xL15.3 mm, molding style, solder cup, gold plated, IP67 | Size:<br>A  | Part number:<br>50-01004 |              |
|           |            |                 |  |  | Scale: 2:1  |                          | Sheet 1 of 1 |