Style M8 Socket, shielded 5 pin B-coding

Ratings

Voltage: 30 V Current: 3 A

Operating Temperature Range

-40~105 °C

Materials

- (1) Insulator: PA66, UL 94 HB, black (2) Pin: C3604 brass, gold flashing (3) Nut: C3604 brass, nickel plated

- (4) Shell: C3604 brass, nickel plated
- (5) O-ring: Nitrile rubber, black

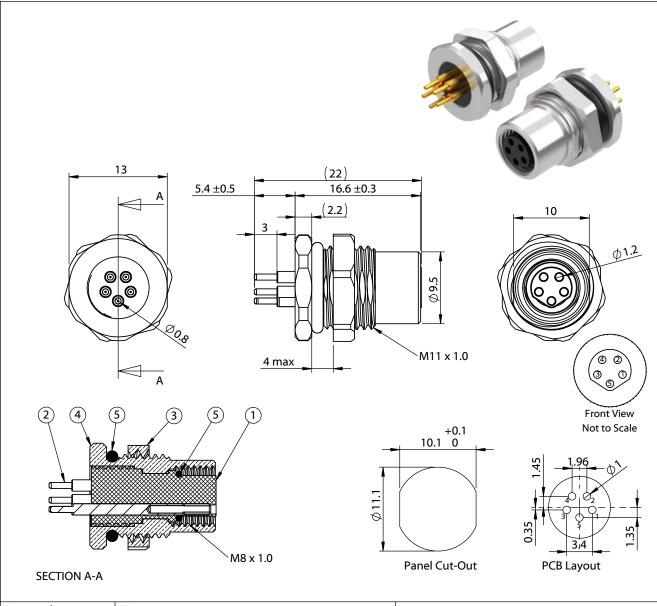
Electrical Requirements Dielectric strength: 1 min @ 500 Vac Insulation resistance: $100~M\Omega$ @ 500 Vdc Contact resistance: $10 \text{ m}\Omega$ or less

Mechanical Requirements

Life cycle: 1000 mating cycles minimum

Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 m Ω . Waterproof: IP67

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| Revision: | Date: | Description: | Prepared: | Notes: | | | | | |
|-----------|---------|-----------------|----------------------------------|--|--|---|-----|-------------|--------------|
| Α | 1/16/23 | Initial release | | RoHS compliant | | | | NSII | ITY |
| | | | Verified: | Function test: no open, no short circuit, no intermittent | | tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com | | | |
| | | | Dimensions are in | | | | | | |
| | | | millimeters. | Description: Connector, 5 pin M8 B-code socket, 8x22 mm, gold | | Size: Part number: A 54-00315 | | | |
| | | | Tolerances: X: ± 0.3 mm | | | | | | |
| | | | X.X: ± 0.1 mm X.XX: ± 0.05 mm | plated, panel mount, PCB, IP67 | | Scale: | 2:1 | | Sheet 1 of 1 |

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