Style
M8 Socket
5 pin
B-coding

Ratings
Voltage: 30 V
Current: 3 A

Operating Temperature Range
-40~105°C

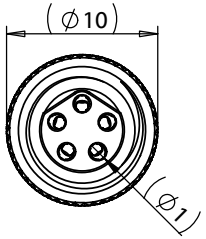
Materials
1. Insulator: PA66, UL94 HB, black
2. Pin: C3604 brass, gold flashing
3. Shell: C3604 brass, nickel plated
4. O-ring: NBR

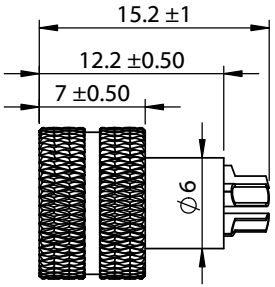
Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

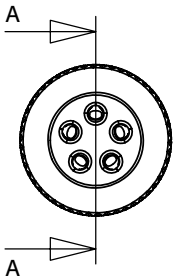
Mechanical Requirements
Life cycle: 1000 mating cycles minimum

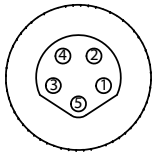
Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67

Assembly Info
Wire gauge: 24 AWG max

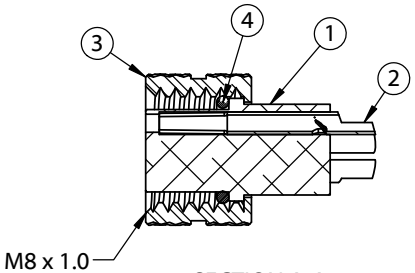








Front View
Not to Scale



SECTION A-A

Revision:	Date:	Description:
A	12/27/2022	Initial release

Prepared: MP Digitally signed by MP Date: 2023.01.06 14:24:20 -08'00'

Verified: JD Digitally signed by JD Date: 2023.01.06 14:34:06 -08'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.3 mm
X.X: ± 0.1 mm
X.XX: ± 0.05 mm

Notes:

RoHS compliant

Function test: no open, no short circuit, no intermittent

Description:

Connector, 5 pin M8 B-code socket, 8x15.2 mm, gold plated, molding style, solder cup, IP67

TENSILITY
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fax 1.541.323.4202 web tensility.com

Size: A
Part number: 50-01004
Scale: 2:1
Sheet 1 of 1

5 4 3 2 1