

## Style

M12 Socket  
4 pin  
T-coding

## Ratings

Voltage: 63 Vdc  
Current: 12 A

## Operating Temperature Range

-40 ~ 105 °C

## Materials

- ① Insulator: Polyamide 66 (PA66), UL94 HB, black
- ② Pin: C5191 Phosphor bronze, gold plated
- ③ Shell: C3604 brass, nickel plated
- ④ Hex nut: C3604 brass, nickel plated
- ⑤ O-ring: Silicone rubber
- ⑥ Epoxy: Epoxy resin

## Electrical Requirements

Insulation resistance: 100 MΩ @500 Vdc  
Contact resistance: 10 mΩ or less

## Mechanical Requirements

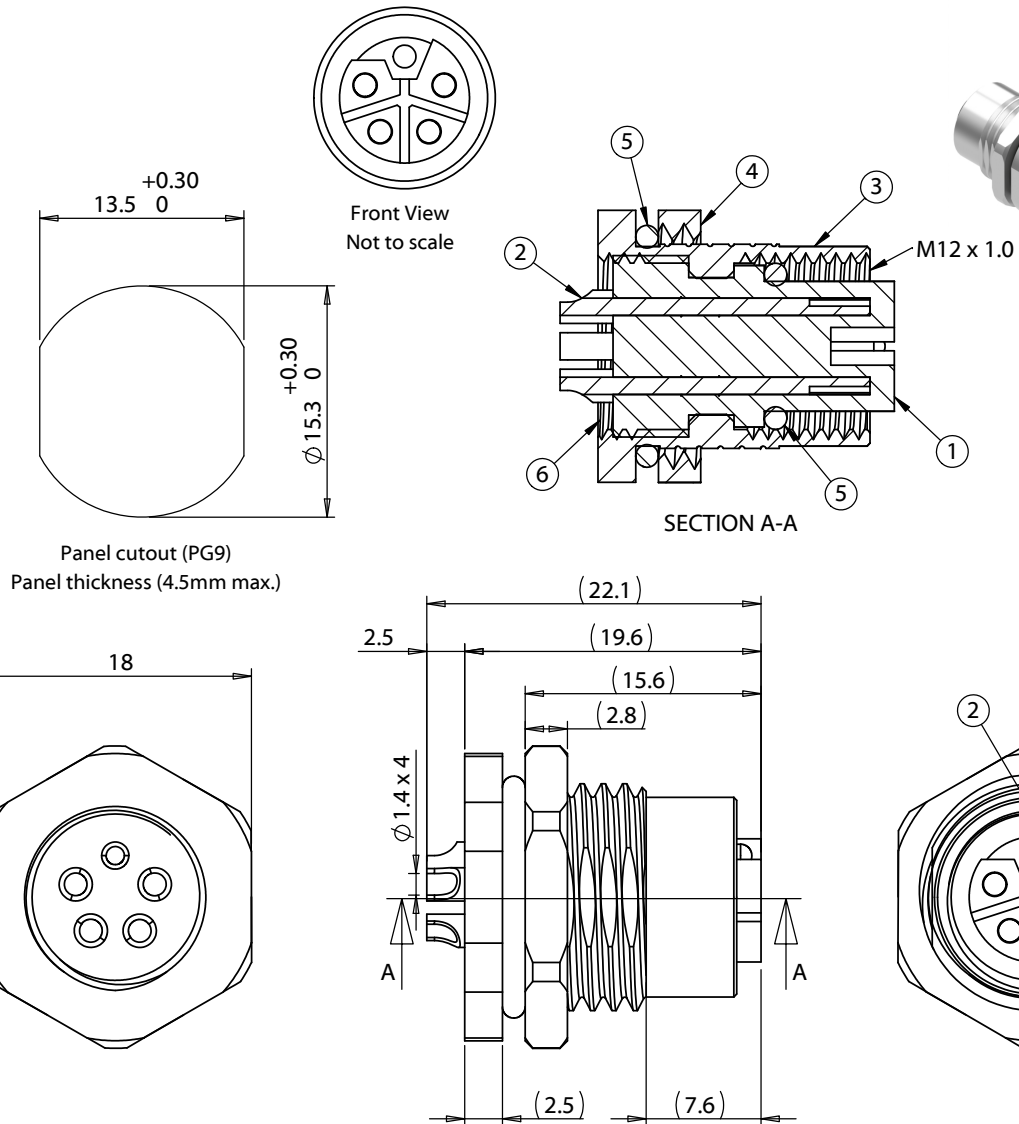
Life cycle: 500 mating cycles minimum

## 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: 18 AWG max



Revision:	Date:	Description:	Prepared:	Notes:	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>		
A	03/13/2025	Initial release	Verified:	RoHS compliant Function test: no open, no short circuit, no intermittent			
			Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description: Connector, M12 L-code socket, 5 pin, 12xL22.1 mm, panel mount, solder cup, gold plated, IP67	Size: A	Part number: 54-00438	Sheet 1 of 1
					Scale: 2:1		