Style

M8 Socket, shielded 4 pin A-coding

Ratings Voltage: 30V Current: 3A

# **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 MΩ @ 500 Vdc Contact resistance:  $10 \text{ m}\Omega$  or less

**Mechanical Requirements**Life cycle: 1000 mating cycles minimum

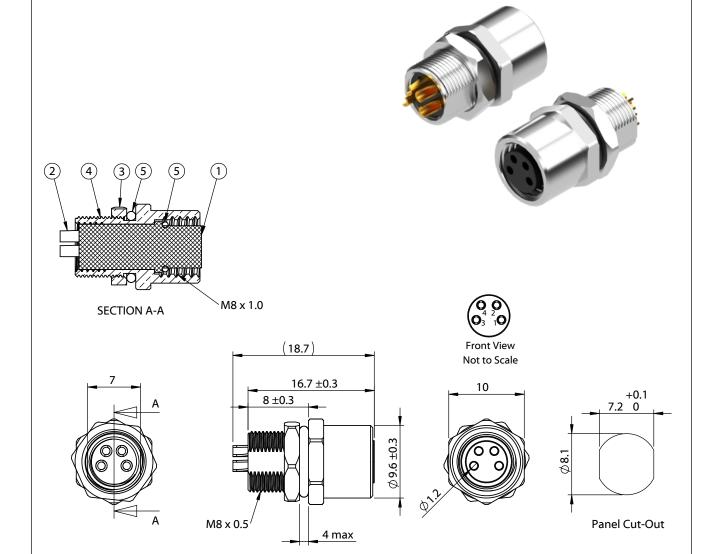
### **Environmental Requirements**

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 $\Omega$ . Waterproof: IP67

5

### **Assembly Info**

Wire gauge: 24 AWG max



Revision:	Date:	Description:	Prepared: Digitally signed by JD	Notes:					
Α	8/26/21	Initial Release	Date: 2022.12.29 12:38:04 -08'00'	RoHS compliant	TENSILITY  tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com				
			Verified: PB  Digitally signed by PB Date: 2022.12.30 08.35:11-0800'  Dimensions are in	Function test: no open, no short circuit, no intermittent					
			millimeters. Tolerances: X: ± 0.3 mm	Description: Connector, 4 pin M8 A-code socket, 8x18.7 mm,	Size: Part number: A 54-00297				
			X.X: ± 0.1 mm X.XX: ± 0.05 mm	gold plated, panel mount, solder cup, IP67	Scale:	2:1		Sheet 1 of 1	

3 2