

**Style**  
M8 Plug, shielded  
4 pin  
A-coding

**Ratings**  
Voltage: 30 V  
Current: 3 A

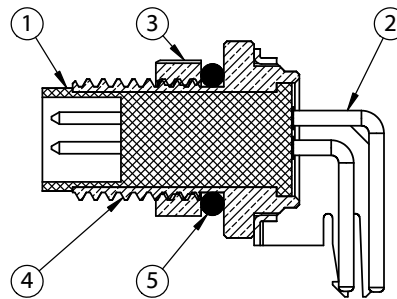
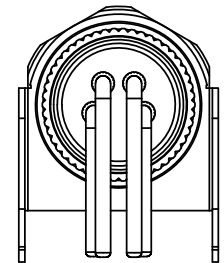
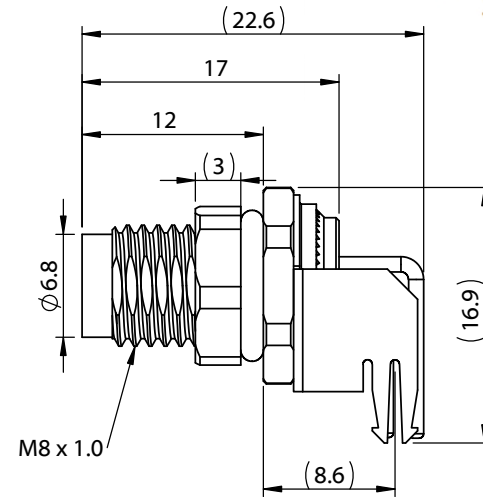
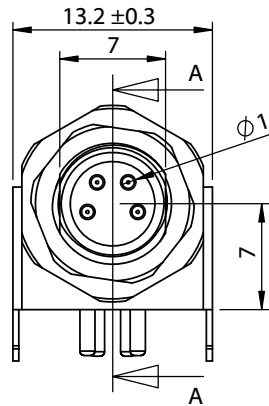
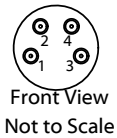
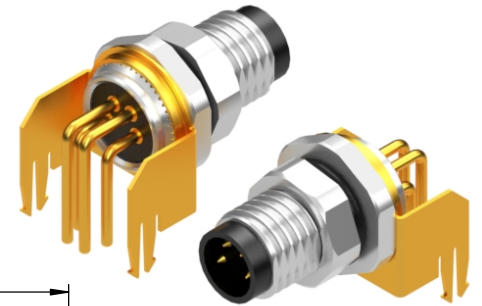
**Operating Temperature Range**  
-40~105 °C

**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

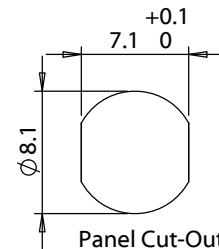
**Electrical Requirements**  
Dielectric strength: 1 min @ 500 Vac  
Insulation resistance: 100 MΩ @ 500 Vdc  
Contact resistance: 10 mΩ or less

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

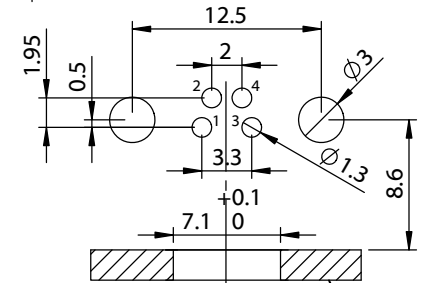
**Environmental Requirements**  
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.  
Waterproof: IP67



SECTION A-A



Panel Cut-Out



PCB Layout

Panel Thickness  
2.0 ~ 3.0 mm

Revision:	Date:	Description:
A	8/23/21	Initial Release

Prepared:	Notes:
	RoHS compliant
Verified:	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, 4 pin M8 A-code plug, 8x22.6 mm, gold plated, PCB mount, 90°, IP67

**TENSILITY**

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Size:	Part number:
A	54-00272
Scale: 2:1	Sheet 1 of 1