

**Style**  
M12 Socket, shielded  
4 pin  
A-coding

**Ratings**  
Voltage: 250 V  
Current: 4 A

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

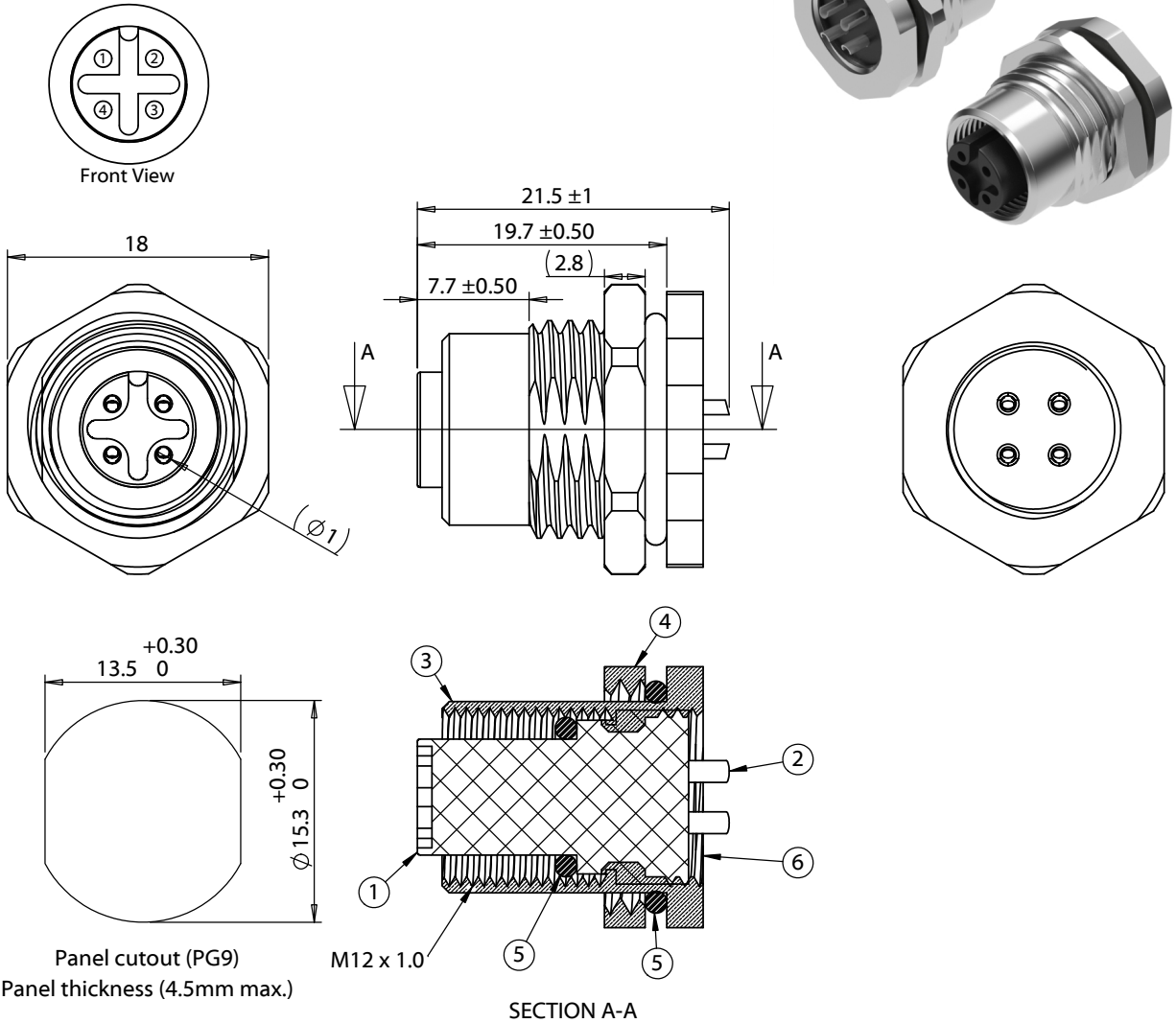
**Materials**  
① Insulator: Polyamide 66 (PA66), UL94 HB, black  
② Pin: C5191 phosphor bronze, gold plated  
③ Shell: C3604 brass, nickel plated  
④ Nut: C3604 brass, nickel plated  
⑤ O-ring: Silicone rubber, green/black  
⑥ Epoxy: Epoxy resin

**Electrical Requirements**  
Dielectric strength: 1 min @ 500 Vac  
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: 22 AWG max



Revision:	Date:	Description:	Prepared:	Notes:	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
A	10/1/2020	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 A-code socket, 4 pin, 12xL21.5 mm, panel mount, solder cup, gold plated, IP67	Size: A	Part number: 54-00241
					Scale: 2:1	Sheet 1 of 1