

Style
M12 Socket, shielded
8 pin
A-coding

Ratings
Voltage: 30 V
Current: 2 A

Operating Temperature Range
-40~105 °C

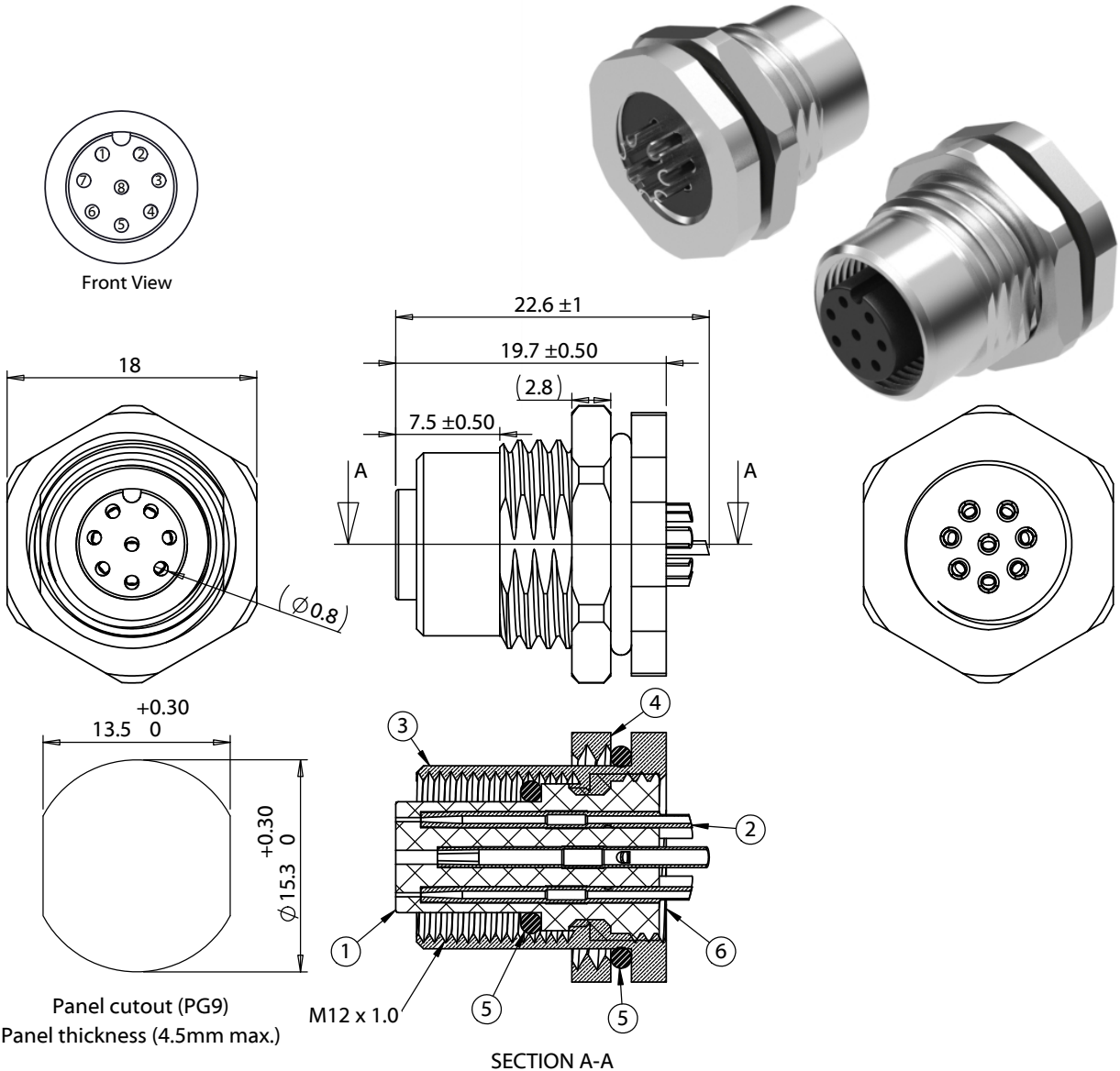
- Materials**
- ① Insulator: Polyamide 66 (PA66), UL94 HB, black
 - ② Pin: C5191 phosphor bronze, gold plated
 - ③ Shell: C3604 brass, nickel plated
 - ④ Nut: C3604 brass, nickel plated
 - ⑤ O-ring: Silicone rubber
 - ⑥ Epoxy: Epoxy resin

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: 24 AWG max



Revision:	Date:	Description:	Prepared:	Notes:	<div>TENSILITY</div> <div>tel 1.541.323.3228 800 877.670.7118</div> <div>fax 1.541.323.4202 web tensility.com</div> <div>Size: Part number:</div> <div>A 54-00244</div> <div>Scale: 2:1</div> <div>Sheet 1 of 1</div>
A	10/1/2020	Initial release	Verified:	RoHS compliant	
			Dimensions are in millimeters.	Function test: no open, no short circuit, no intermittent	
			Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Description: Connector, M12 A-code socket, 8 pin, 12xL22.6 mm, panel mount, solder cup, gold plated, IP67	