

Style

M12 Socket, shielded
4 pin
A-coding

Ratings

Voltage: 250 V
Current: 4A

Operating Temperature Range

-40 ~ 105 °C

Materials

- ① Insulator: Polyamide 66 (PA66), UL94 HB, black
- ② Pin: C3604 brass, gold plated
- ③ Shell: C3604 brass, nickel plated
- ④ O-ring: Silicone rubber

Electrical Requirements

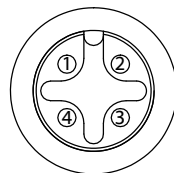
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements

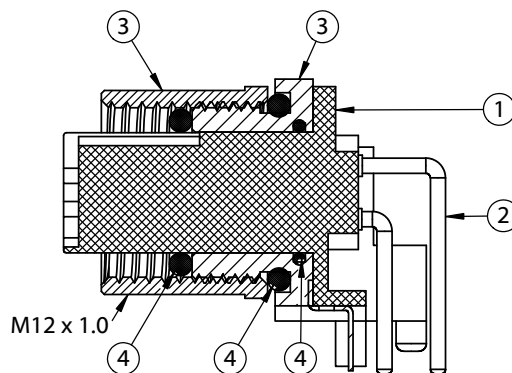
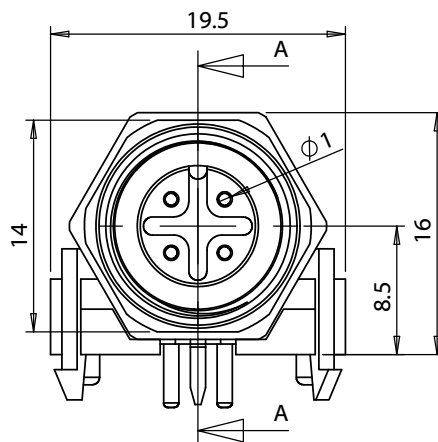
Life cycle: 500 mating cycles minimum

Environmental Requirements

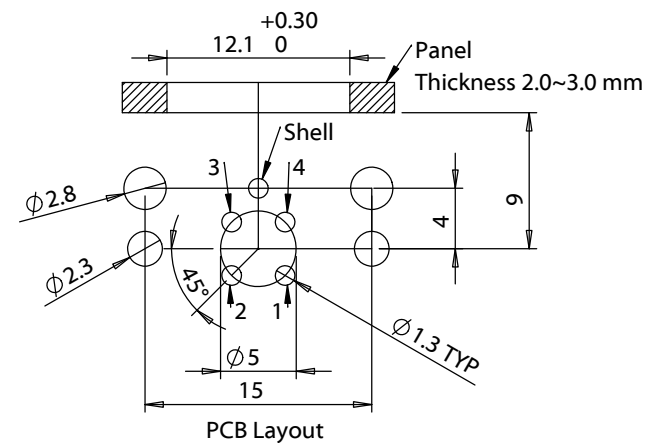
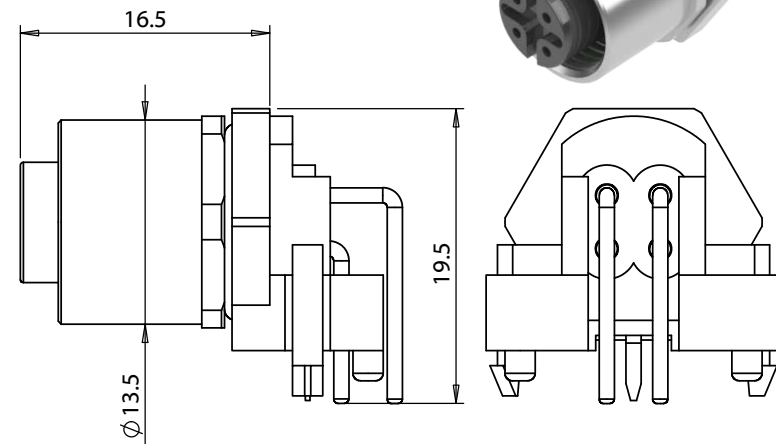
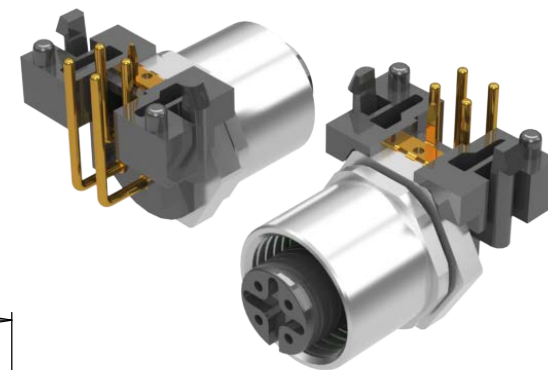
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67 (in mated state). IP67 panel ingress requires sealing cap



Front View
Not to Scale



SECTION A-A



Revision:	Date:	Description:	Prepared:	Notes:	<div style="text-align: center;"> <h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p> </div>
A	9/28/2020	Initial release	Verified:	RoHS compliant	
				Function test: no open, no short circuit, no intermittent	
			Dimensions are in millimeters. Tolerances:	Description:	
			X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.1 mm	Connector, M12 A-code socket, 4 pin, 12xL25 mm, panel mount, thru hole, 90°, board lock, gold plated, IP67	
					<div> <div>Size: A</div> <div>Part number: 54-00246</div> </div>
					<div> <div>Scale: 2:1</div> <div> </div> <div>Sheet 1 of 1</div> </div>