

Style
M12 Socket, shielded
4 pin
D-coding

Ratings
Voltage: 250 V
Current: 4 A

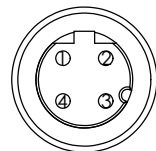
Operating Temperature Range
-40 ~ 105 °C

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

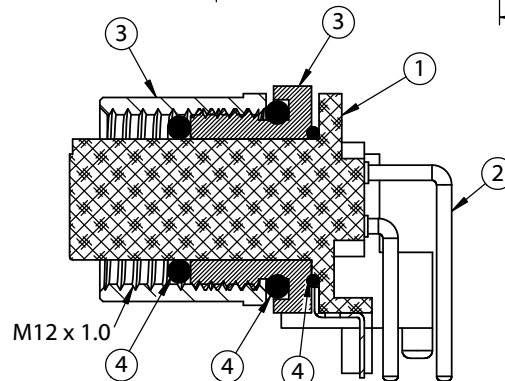
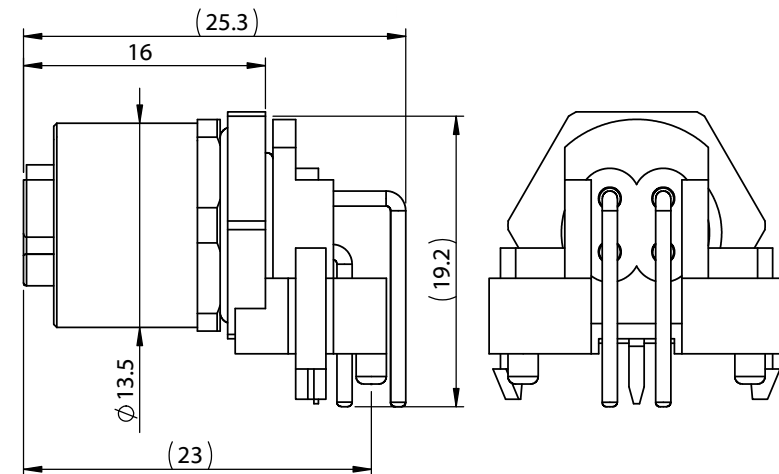
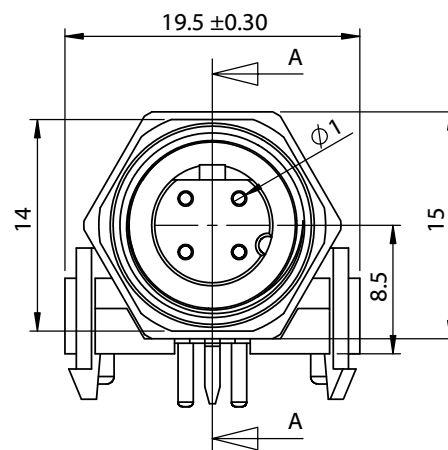
Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements
Life cycle: 500 mating cycles minimum

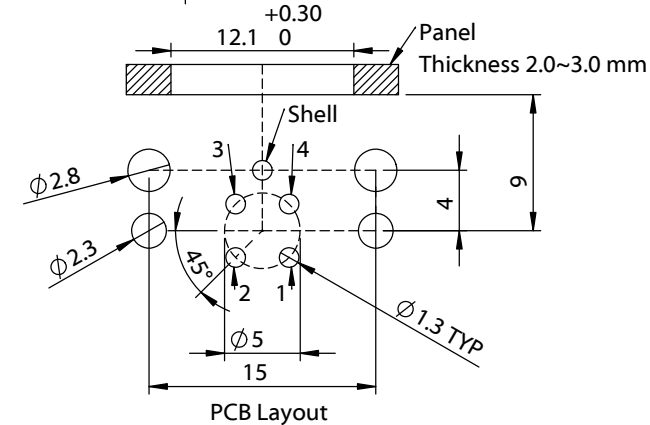
Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 48 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67 (in mated state). IP67 panel ingress requires sealing cap.



Front View
Not to Scale



SECTION A-A



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
A	2/8/2023	Initial release	Verified:	RoHS compliant		
			Dimensions are in millimeters.	Function test: no open, no short circuit, no intermittent		
			Tolerances:	Description:	Size:	Part number:
			X: ± 0.3 mm	Connector, 4 pin M12 D-code socket, 12xL25mm, gold plated, PCB mount, 90°, PCB, IP67	A	54-00376
			X.X: ± 0.1 mm		Scale: 2:1	Sheet 1 of 1
			X.XX: ± 0.05 mm			