Style

M12 Socket, shielded 5 pin A-coding

Ratings

Voltage: 60 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: Nitrile rubber, black & green

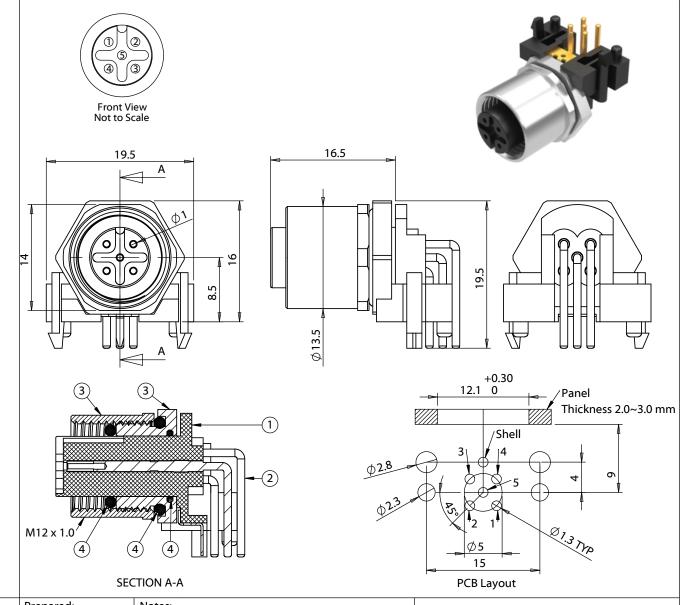
Electrical Requirements

Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: $10 \text{ m}\Omega$ 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 m Ω . Waterproof: IP67 (in mated state). IP67 panel ingress requires sealing cap



Revision:	Date:	Description:	Prepared:	Notes:			
Α	9/29/2020	Initial release		RoHS compliant			NSILITY
			Verified: Dimensions are in millimeters. Tolerances: X: ± 0.5 mm	Function test: no open, no short circuit, no intermittent	tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
				Description: Connector, 5 pin M12 A-code socket, 12xL25mm, gold plated, PCB mount, 90°, PCB, IP67	Size: Part number: 54-00247		
			X.X: ± 0.3 mm X.XX: ± 0.1 mm		Scale:	2:1	Sheet 1 of 1

5 3 2