

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: Nitrile rubber, black & green

Electrical Requirements

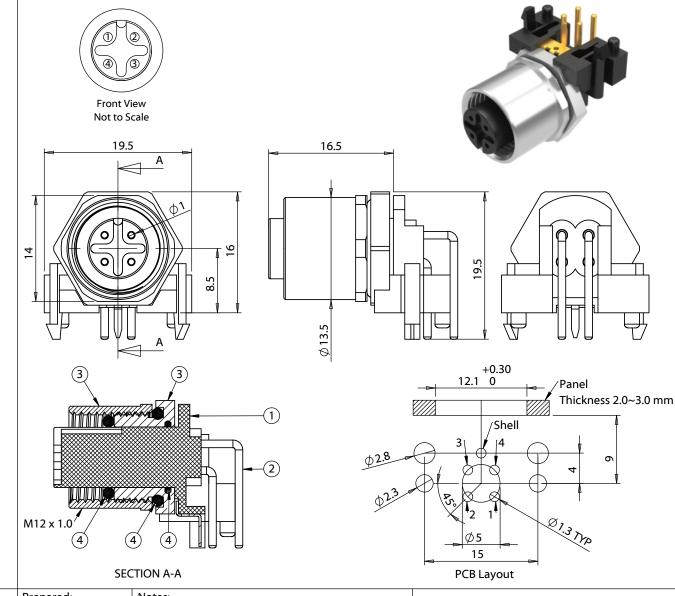
Dielectric strength: 1 min @ 500 Vac Insulation resistance: 100 MΩ @ 500 Vdc Contact resistance: $10 \text{ m}\Omega$ or less

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

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Revision:	Date:	Description:	Prepared:	Notes:		
Α	9/28/2020	Initial release	AG Digitally signed by AG Date: 2023.06.20 13:14:53 -07'00'	RoHS compliant		FNSII ITY
			Verified: PB Digitally signed by PB Date: 2023.06.20 16:39:58-0700'	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	
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm	Description: Connector, 4 pin M12 A-code socket, 12xL25mm,	Size:	Part number: 54-00246
			X.X: ± 0.3 mm X.XX: ± 0.1 mm	gold plated, PCB mount, 90°, PCB, IP67	Scale:	: 2:1 Sheet 1 of 1

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