Style M8 Plug, shielded 5 pin B-coding

Ratings Voltage: 30 V Current: 3 A

Operating Temperature Range -40~105 $^{\circ}\text{C}$

Materials

- (1) Insulator: PA66, UL 94 HB, black (2) Pin: C3604 brass, gold flashing (3) Nut: C3604 brass, nickel plated (4) Shell: C3604 brass, nickel plated

- (5) O-ring: Nitrile rubber, black

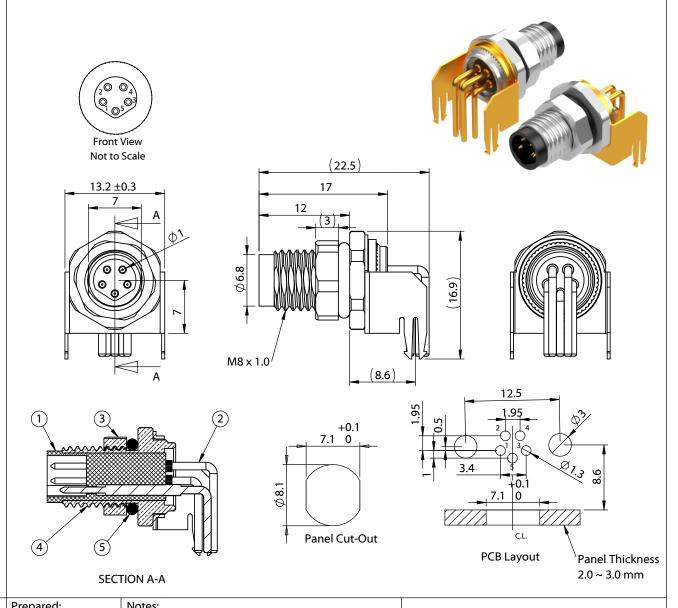
Electrical Requirements

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

Mechanical RequirementsLife cycle: 1000 mating cycles minimum

Environmental Requirements

Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 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:					
X0	1/16/23	Preliminary		RoHS compliant Function test: no open, no short circuit, no intermittent Description: Connector, 5 pin M8 B-code plug, 8x22.5` mm, gold plated, PCB mount, 90°, IP67			FNS		ITY
			Verified:			tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com Size: Part number:			
			Dimensions are in millimeters.						
			Tolerances: X: ± 0.3 mm						
			X.X: ± 0.1 mm X.XX: ± 0.05 mm			Scale:	2:1		Sheet 1 of 1

5 3 2