

Ratings
Voltage: 60 V
Current: 1 A
Waterproof: IP 67

Operating Temperature Range
-40 ~ 85 °C

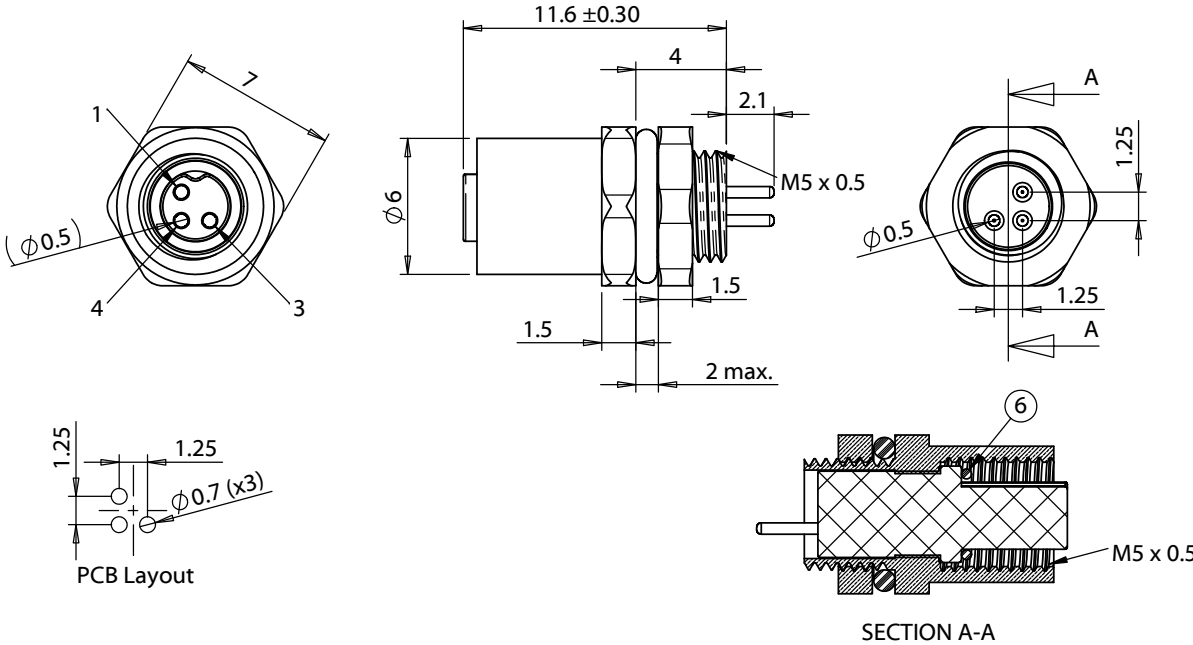
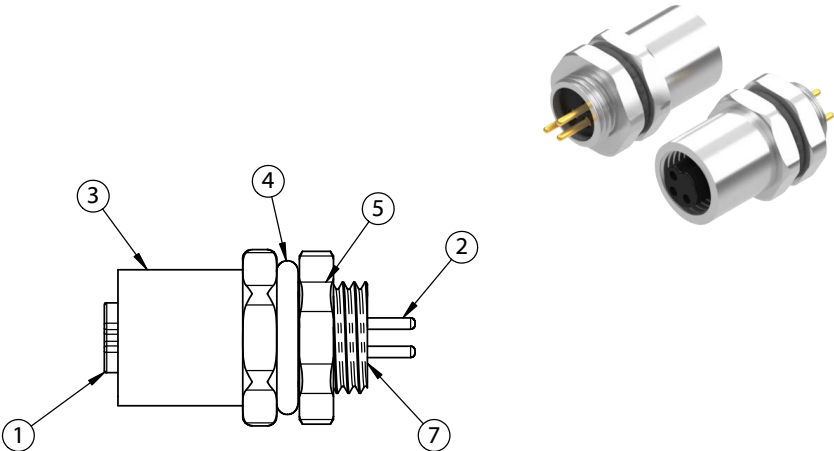
- Materials**
- ① Insulator: Nylon 66 + 30% glass fiber, black
 - ② Pin: brass, gold-flashing
 - ③ Shell: brass, nickel plated
 - ④ O-ring: Silicone rubber
 - ⑤ Hexagonal nut: brass, nickel plated
 - ⑥ O-ring: Silicone rubber
 - ⑦ Epoxy: Epoxy resin

Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 10⁸ Ω min
Contact resistance: 10 mΩ or less

Mechanical Requirements
Insertion force: 0.82 kgf max
Withdrawal force: 0.62 kgf max
Life cycle: 500 mating cycles

Environmental Requirements
Cold test: -25 °C for 2 hours without deformation
Heat test: 85 °C for 16 hours while maintaining minimum 10⁸ Ω insulation resistance

Assembly info
Wire guage: 26 AWG max (Ø0.55 mm)
Panel cutout: Ø5.1 mm recommended



Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	8/7/2018	Initial release	Verified:	RoHS compliant			
A1	12/10/2018	Added PCB Layout	Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	Size:	Part number:	
				Description: Connector, M5 A-code socket, 3 pin, 5xL13.7 mm, panel mount, thru hole, gold plated, IP67	A	54-00103	
					Scale: 3:1		Sheet 1 of 1