

Style
M8 Plug
6 pin
A-coding

Ratings
Voltage: 30 V
Current: 1 A

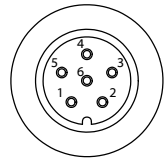
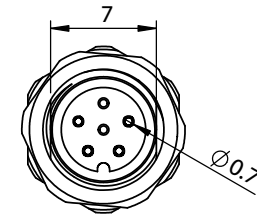
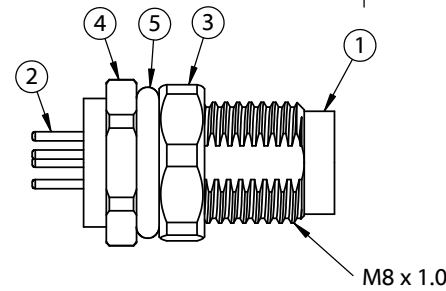
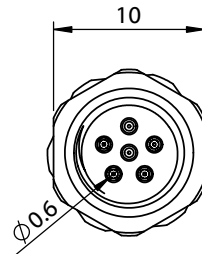
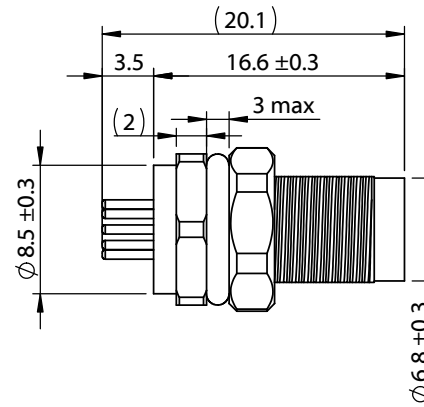
Operating Temperature Range
-40~105 °C

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

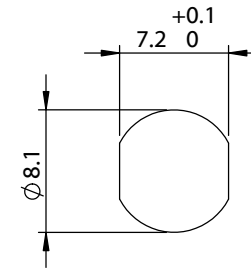
Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements
Life cycle: 1000 mating cycles minimum

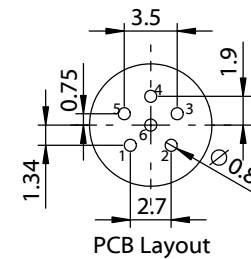
Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67



Front View
Not to Scale



Panel Cut-Out



PCB Layout

Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com			
A	1/13/2023	Initial Release	Verified:					
			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				
				Description:	Size:		Part number:	
				Connector, 6 pin M8 A-code plug, 8x20.1 mm, gold plated, panel mount, PCB, IP67	A		54-00322	
					Scale: 2:1	 	Sheet 1 of 1	