

Style
M8 Socket, shielded
4 pin
A-coding

Ratings
Voltage: 30 V
Current: 3 A

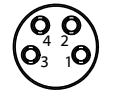
Operating Temperature Range
-40~105 °C

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: Silicone rubber
⑥ Epoxy: Epoxy resin
⑦ Alignment plate: PA66 + 30% glass fiber, black

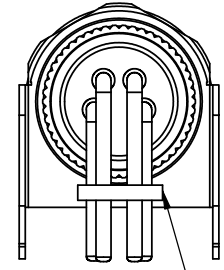
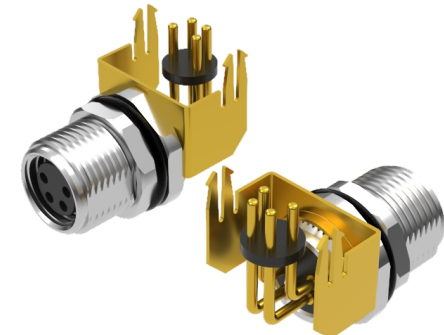
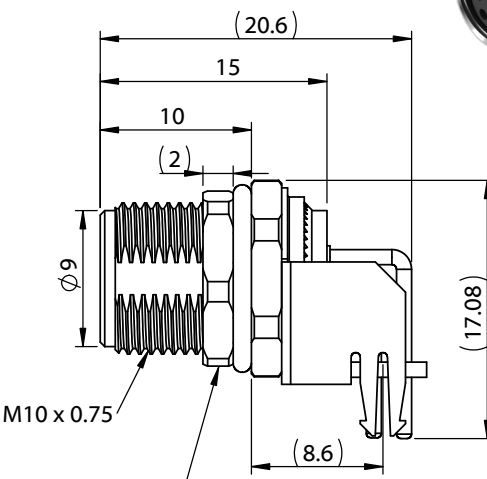
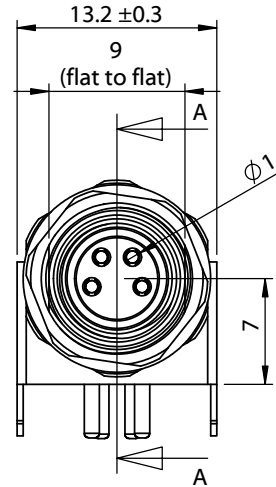
Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

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 (in mated state). IP67 panel ingress requires sealing cap

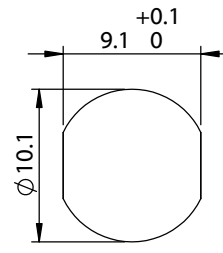
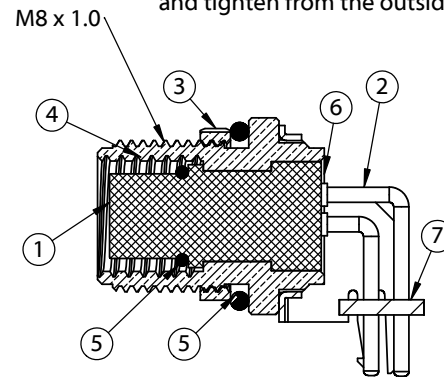


Front View
Not to Scale

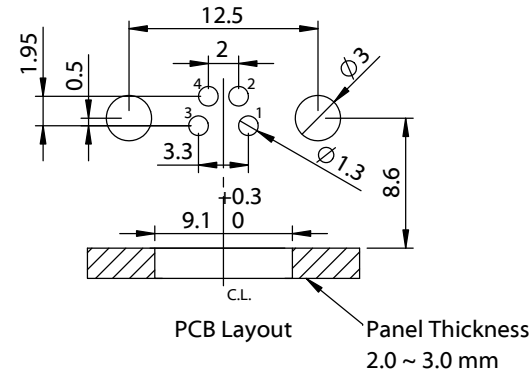


Slide freely on pins

Install from inside the panel, attach nut and tighten from the outside.



Panel Cut-Out



PCB Layout
Panel Thickness 2.0 ~ 3.0 mm

SECTION A-A

Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	8/23/21	Initial Release	CR	RoHS compliant			
A1	03/21/2025	Alignment plate added	Verified:	Function test: no open, no short circuit, no intermittent	Size:	Part number:	
			KW	Description:	A	54-00274	
			Dimensions are in millimeters.	Connector, M8 A-code socket, 4 pin, 8xL20.6 mm, panel mount, thru hole, 90°, board lock, gold plated, IP67	Scale:	2:1	Sheet 1 of 1
			Tolerances:				
			X: ± 0.3 mm				
			X.X: ± 0.1 mm				
			X.XX: ± 0.05 mm				

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com