

Style
M8 Plug, shielded
6 pin
A-coding

Ratings
Voltage: 30 V
Current: 1 A

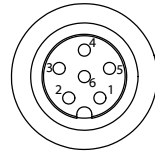
Operating Temperature Range
-40~105°C

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 & green

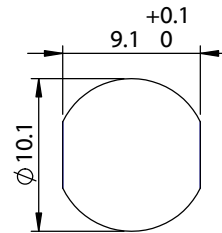
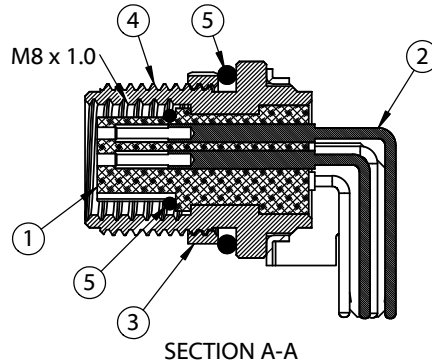
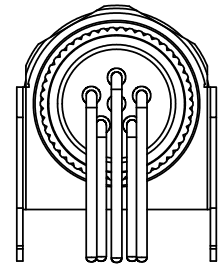
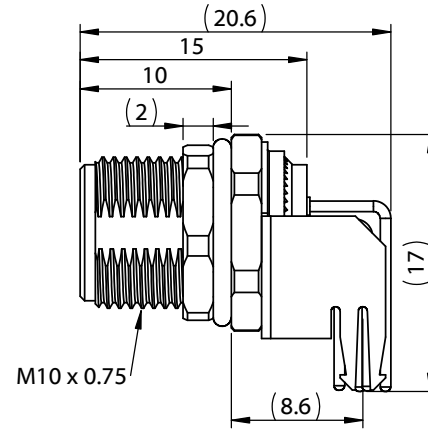
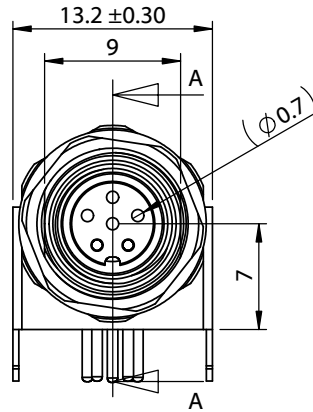
Electrical Requirements
Dielectric strength: 1 min @ 500 Vac
Insulation resistance: 100 MΩ @ 500 Vdc
Contact resistance: 10 mΩ or less

Mechanical Requirements
Life cycle: 1000 mating cycles minimum

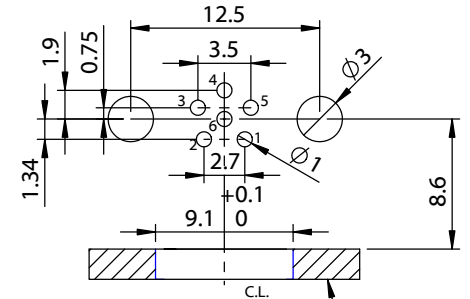
Environmental Requirements
Salt spray test: 35°C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67 (in mated state). IP67 panel ingress requires sealing cap.



Front View
Not to Scale



Panel Cut-Out



PCB Layout
Panel Thickness
2.0 ~ 3.0 mm

Revision:	Date:	Description:
A	12/30/22	Initial Release

Prepared:
Verified:
Dimensions are in millimeters. Tolerances: X: ± 0.3 mm X.X: ± 0.1 mm X.XX: ± 0.05 mm

Notes: RoHS compliant Function test: no open, no short circuit, no intermittent
Description: Connector, 6 pin M8 A-code socket, 8x20.6 mm, gold plated, PCB mount, 90°, IP67

TENSILITY

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Size: A	Part number: 54-00321
Scale: 2:1	Sheet 1 of 1