Style
M8 Plug, shielded
4 pin
A-coding

Ratings
Voltage: 30 V
Current: 3 A

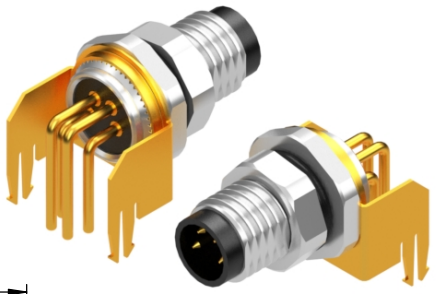
Operating Temperature Range
-40~105 °C

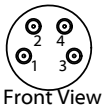
Materials
① Insulator: PA66, UL 94 HB, black
② Pin: C3604 brass, gold flashing
③ Nut: C3604 brass, nickel plated
④ Shell: C3604 brass, nickel plated
⑤ O-ring: Nitrile rubber, black

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

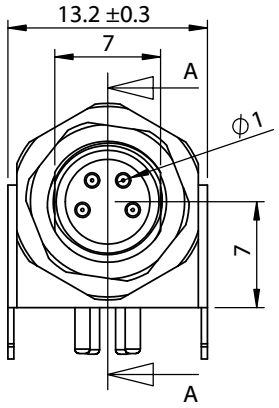
Mechanical Requirements
Life cycle: 1000 mating cycles minimum

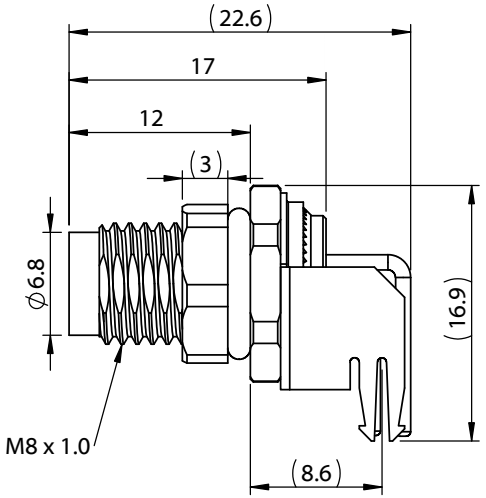
Environmental Requirements
Salt spray test: 35 °C, relative humidity 90-95%, 5% NaCl mist for 24 hrs. Wash parts after test. Maintain mechanical requirements and a contact resistance of less than 10 mΩ.
Waterproof: IP67 (in mated state). IP67 panel ingress requires sealing cap

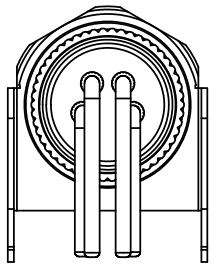


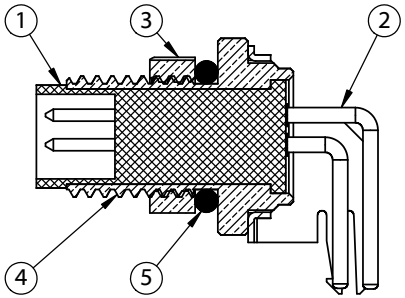


Front View
Not to Scale

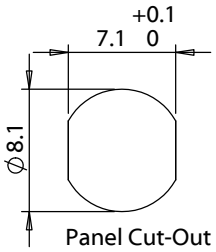




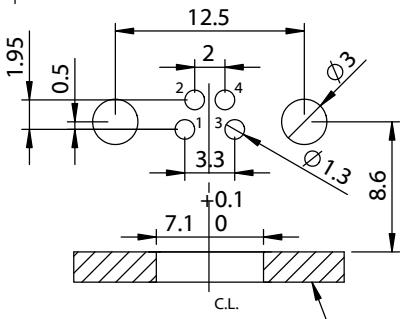




SECTION A-A



Panel Cut-Out



PCB Layout

Panel Thickness
2.0 ~ 3.0 mm

Revision:	Date:	Description:
A	8/23/21	Initial Release

Prepared:
AG
Digitally signed by AG
Date: 2023.06.20 13:42:13 -07'00'

Verified:
PB
Digitally signed by PB
Date: 2023.06.20 16:45:22 -07'00'

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, 4 pin M8 A-code plug, 8x22.6 mm, gold plated, PCB mount, 90°, IP67

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 54-00272
Scale: 2:1
Sheet 1 of 1

5 4 3 2 1