Style
M8 Plug
8 pin
A-coding

Ratings
Voltage: 30 V
Current: 1 A
Ingress protection: IP67

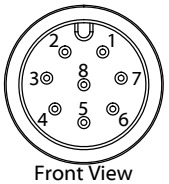
Materials
(1) Insulator: Polyamide 66 (PA66), UL94 HB, black
(2) Shell: C3604 Brass, Nickel plated
(3) Nut: C3604 Brass, Nickel plated
(4) Pin: C3604 Brass, Gold flash
(5) O-ring: Silicone

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

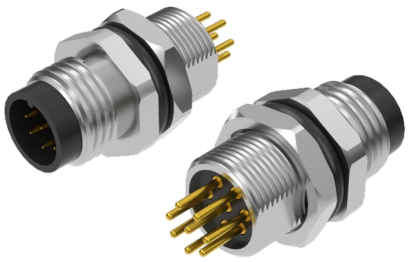
Mechanical Requirements
Life cycle: 1000 mating cycles

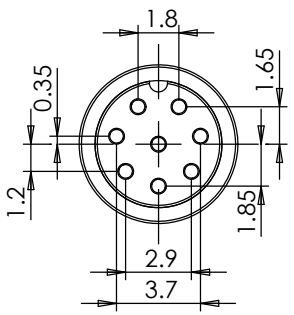
Environmental Requirements
Salt spray test: 35 °C, relative humidity 90 - 95%, 5% NaCl mist for 48 hrs.

Operating Temperature Range
-40 ~ 105°C

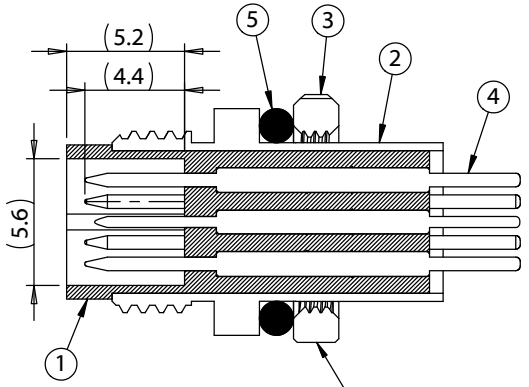


Front View
Not to Scale

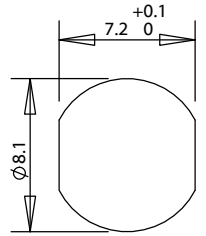




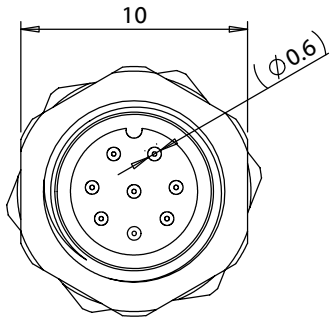
PCB Layout

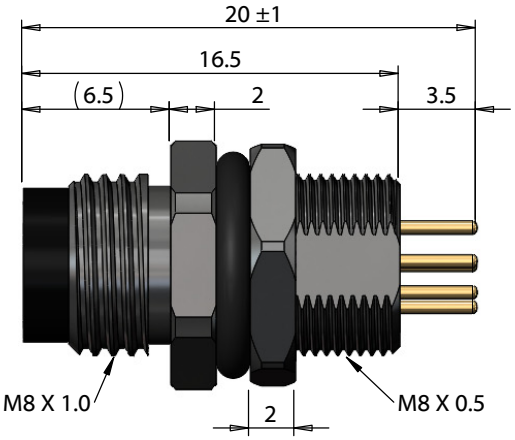


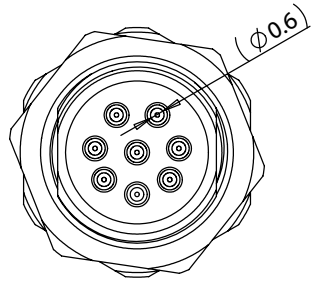
Install from outside of the panel,
attach nut and tighten from within.



Panel Cut-Out (recommended)
Panel thickness (4.5mm max.)
Torque: 0.05 Nm







Revision:	Date:	Description:
A	8/21/2025	initial release

Prepared:
CR
Digitally signed by CR
Date: 2026.06.11 16:49:35 -07'00'

Verified:

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

Notes:
RoHS compliant

Description:
Connector, M8 A-code plug 8 pin, 8xL20 mm, panel mount, thru hole, gold plated, IP67, shielded

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 54-00531
Scale: 3:1
Sheet 1 of 1

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

5 4 3 2 1