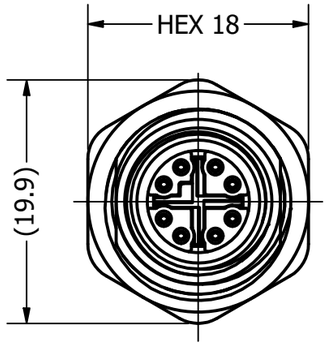
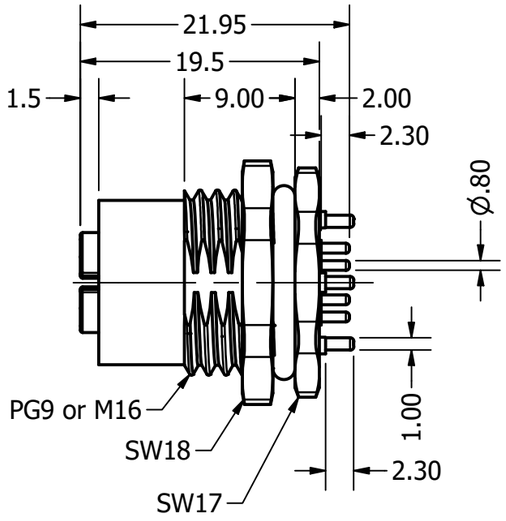
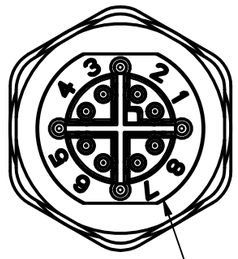
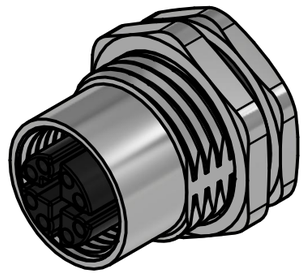
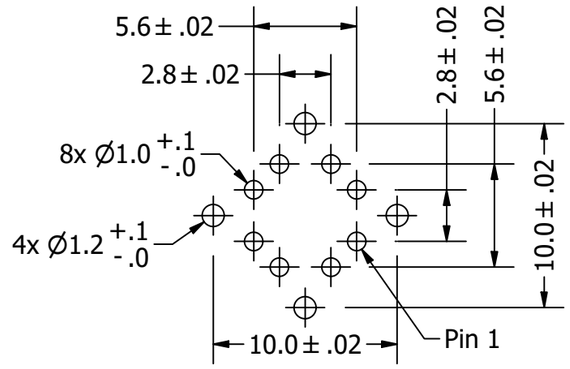










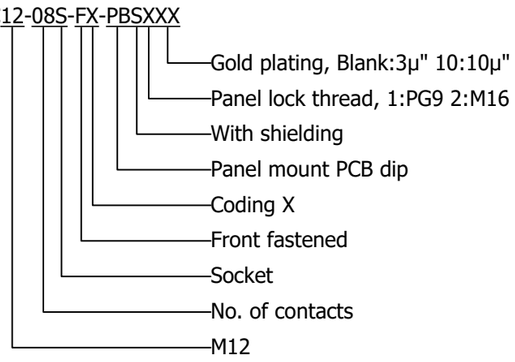
Recommended PCB footprint

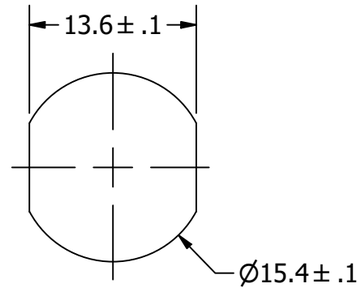
Electrical:

Current rating	0.5A AC/DC
Voltage rating	60DC 50AC
Withstanding voltage	500V AC/minute between contacts
Insulation resistance	100MΩ MIN
Contact resistance	15mΩ MAX

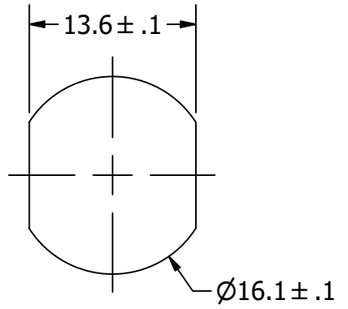
Environmental:

Operating temperature	-40°C ~ +85°C
Ingress protection	IP67
Mating cycles	500

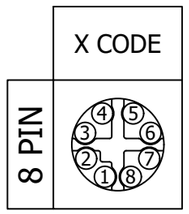




PG9 Recommended panel cutout
MAX panel thickness: 4.0



M16 Recommended panel cutout
MAX panel thickness: 4.0



PARTS LIST				
ITEM	DESCRIPTION	MATERIAL	REMARK	QTY
1	Insulator	Nylon	UL94V-0 Black	1
2	Terminal	Brass	Gold Plated	8
3	Shell	Zinc Alloy	Nickel Plated	1
4	Seal Ring	Silicone	Black	1
5	Seal Ring	Silicone	Black	1
6	Nut	Copper Alloy	Nickel Plated	1
7	Shielding	Zinc Alloy	Nickel Plated	1

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin		21/08/2023	Owen Page
1.1	Updated Drawing	FB / SUPP	24 Sep 2026	Martin Smith

Design Right Protected

Third Angle Projection

RoHS Compliant

Material:

Finish:

Gen Tol
.X ±0.30
.XX ±0.20

DO NOT SCALE

Unit of Measure: millimeters (mm)

Designed by Owen Page

Checked by Peter Millard

Approved by

©2026

Date 21 Aug 2023

A3

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Description:
M12 8 Pin X-Code Socket, Front Fastening (PG9/M16 Thread), Straight PCB Solder, Shielded

Part No: CC12-08S-FX-PBSX

Issue 1.1

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Source:E:\Cambridge Connectors\Live Products\Engineering Data\(CC#) M-Connectors\M12