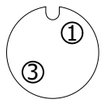
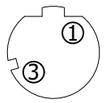
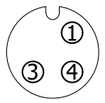
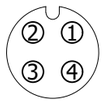
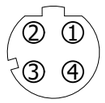
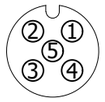
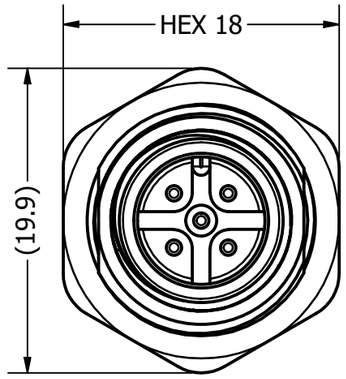
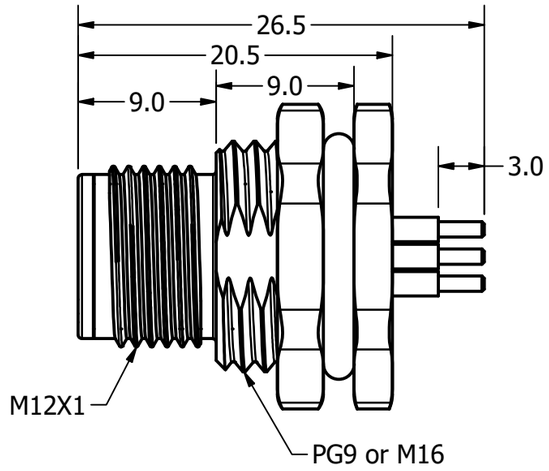
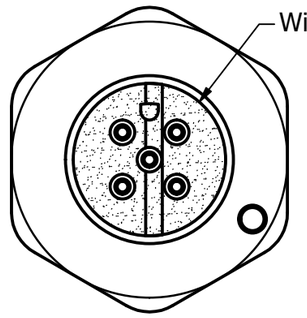
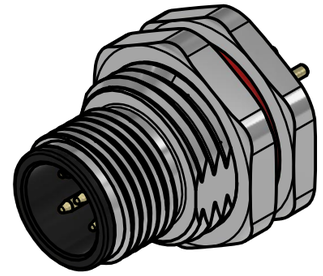
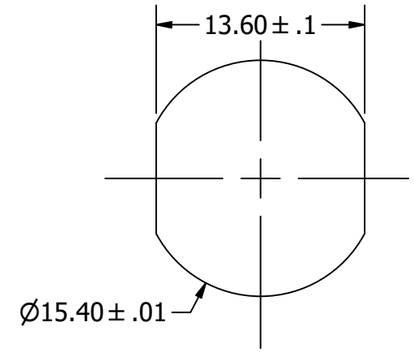
	A CODE	D CODE
2 PIN		
3 PIN		
4 PIN		
5 PIN		
6 PIN		
7 PIN		
8 PIN		
9 PIN		
10 PIN		
11 PIN		
12 PIN		



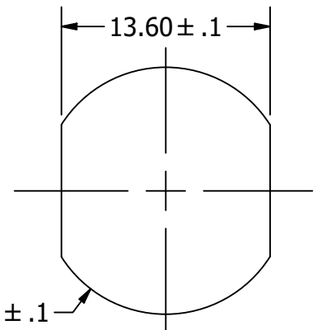








PG9 Recommended panel cutout
MAX panel thickness: 4.0



M16 Recommended panel cutout
MAX panel thickness: 4.0

Electrical:

Current rating	4A (2 ~ 5 Pins), 2A (6 ~ 8 Pins), 1.5A (9 ~ 12 Pins) AC/DC
Voltage rating	250V (2 ~ 4 Pins), 60V (5 Pins), 30V (6 ~ 12 Pins) AC/DC
Withstanding voltage	500V AC/minute between contacts
Insulation resistance	100MΩ MIN
Contact resistance	5mΩ MAX

Environmental:

Operating temperature	-40°C ~ +100°C
Ingress protection	IP67
Mating cycles	500

CC12-XXP-FX-PBX

- M12
- No. of contacts
- Plug
- Front fastened
- Coding
- Panel mount PCB dip
- Panel lock thread, 1:PG9 2:M16

PARTS LIST				
ITEM	DESCRIPTION	MATERIAL	REMARK	QTY
2	Insulator	Nylon	UL94V-0 Black	1
5	Terminal	Copper Alloy	Gold Plated 3µ"	2~12
1	Shell	Copper Alloy	Nickel Plated 60µ"	1
4	Seal Ring	Silicone	Red	1
3	Nut	Copper Alloy	PG9 or M16 Nickel Plated 60µ"	1

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	22/08/2023	Owen Page
1.1	Updated Drawing	FB / SUPP	22 Sep 2026	Martin Smith

Design Right Protected

Third Angle Projection

RoHS Compliant

Material:

Finish:

Gen Tol
x.x ±0.30
x.xx ±0.20

DO NOT SCALE

Unit of Measure: millimeters (mm)

Designed by Owen Page

Checked by Peter Millard

Approved by

©2026

Date 22 Aug 2023

A3

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Description:
M12 (X) Pin A/D Code Plug, Front Fastening, (PG9/M16 Thread), Straight PCB Solder

Part No: CC12-XXP-FX-PBX

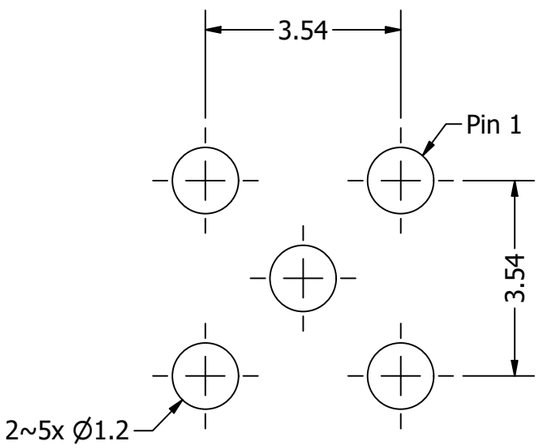
Issue 1.1

Sheet 1 / 2

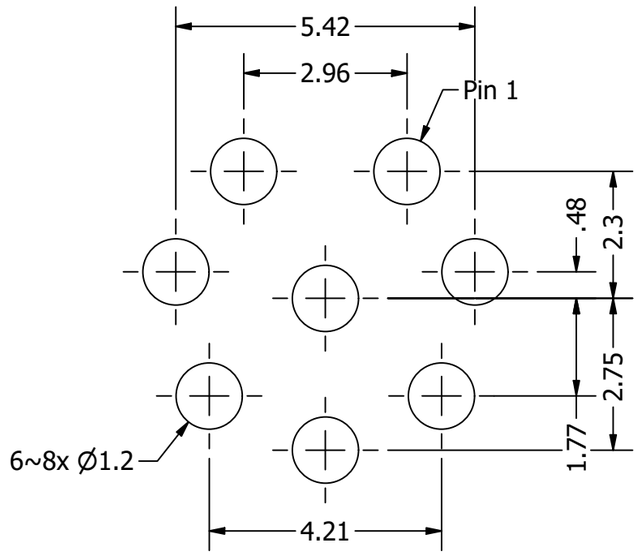
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Recommended PCB footprint
TOL: ±.05

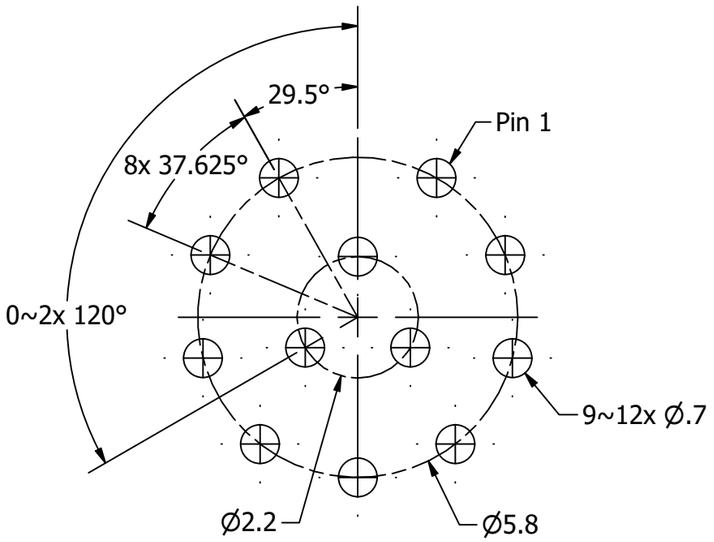
2~5 Pins



6~8 Pins



9~12 Pins



Design Right Protected	Material:	Finish:	Gen Tol x.x ±0.30 x.xx ±0.20	DO NOT SCALE	
Third Angle Projection	Designed by Owen Page	Checked by Peter Millard	Approved by	©2026	Unit of Measure: millimeters (mm)
				Date 22 Aug 2023	A3
RoHS Compliant	CAMBRIDGE ELECTRONIC INDUSTRIES	This document and all the data contained herein is and shall remain the property of Cambridge Electronic Industries Ltd and may not be used or copied for any purpose whatsoever without the written permission of Cambridge Electronic Industries Ltd.	Description: M12 (X) Pin A/D Code Plug, Front Fastening, (PG9/M16 Thread), Straight PCB Solder		
			Part No: CC12-XXP-FX-PBX	Issue 1.1	Sheet 2 / 2