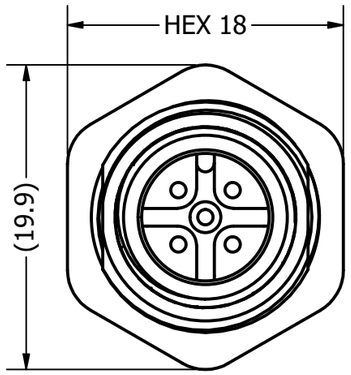
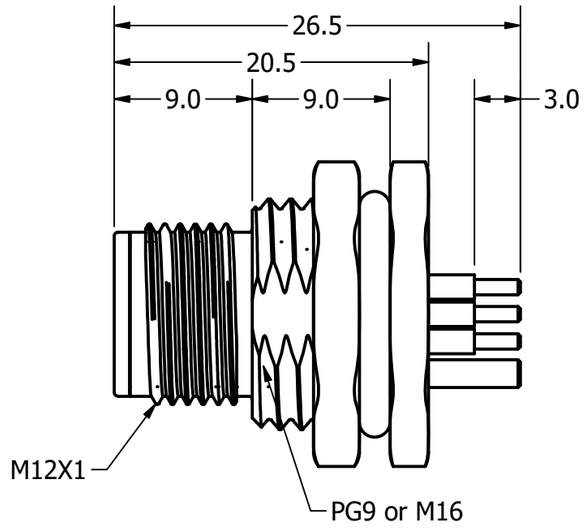
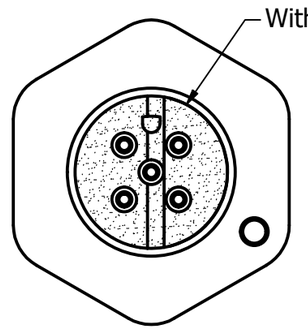
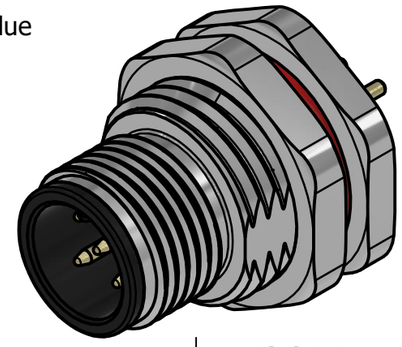
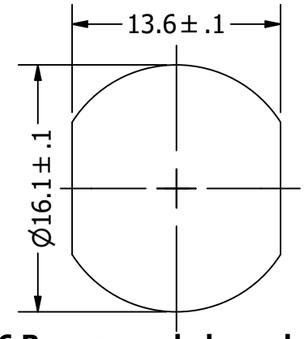


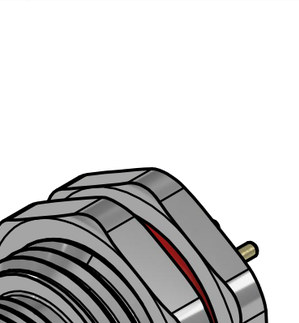








M16 Recommended panel cutout
MAX panel thickness: 4.0



PG9 Recommended panel cutout
MAX panel thickness: 4.0

	A CODE	D CODE
2 PIN	① ③	① ③
3 PIN	① ③ ④	① ③ ④
4 PIN	② ① ③ ④	② ① ③ ④
5 PIN	② ① ⑤ ③ ④	② ① ⑤ ③ ④
6 PIN	② ① ③ ⑦ ④ ⑥	
7 PIN	② ① ③ ⑦ ④ ⑤ ⑥	
8 PIN	② ① ③ ⑧ ⑦ ④ ⑤ ⑥	
9 PIN	② ① ③ ⑨ ④ ⑧ ⑤ ⑥ ⑦	
10 PIN	② ① ③ ⑩ ⑨ ④ ⑧ ⑤ ⑥ ⑦	
11 PIN	② ① ③ ⑩ ⑨ ④ ⑪ ⑧ ⑤ ⑥ ⑦	
12 PIN	② ① ③ ⑩ ⑨ ④ ⑪ ⑫ ⑧ ⑤ ⑥ ⑦	

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-PBSX

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

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

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	22 Aug 2023	Owen Page
1.1	Updated Drawing	FB / SUPP	28 Sep 2026	Peter Millard

Design Right Protected

Material: | Finish: | x.x ±0.2, x.xx ±0.3 | DO NOT SCALE | Unit of Measure: millimeters (mm)

Third Angle Projection | Designed by Owen Page | Checked by | Approved by | ©2026 | Date 22 Aug 2023 | A3

RoHS Compliant

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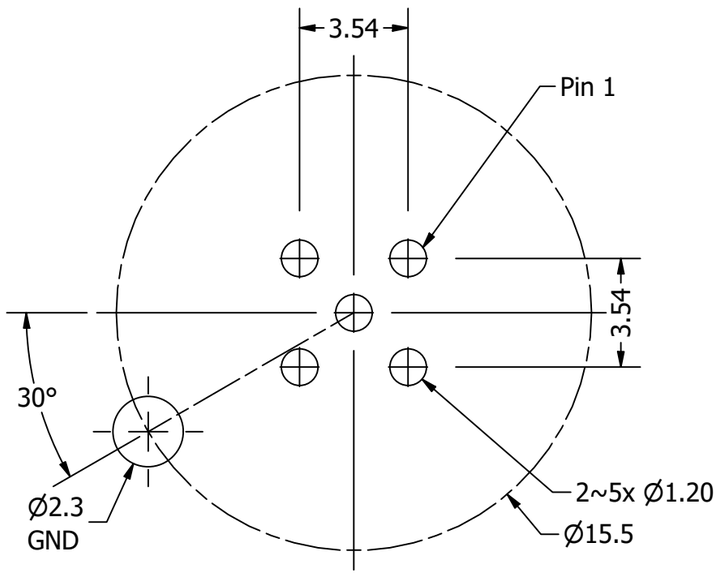
Description: M12 (X) Pin A/D Code Plug, Front Fastening, (PG9/M16 Thread), Straight PCB Solder, Shielded

Part No: CC12-XXP-FX-PBSX | Issue 1.1 | Sheet 1 / 2

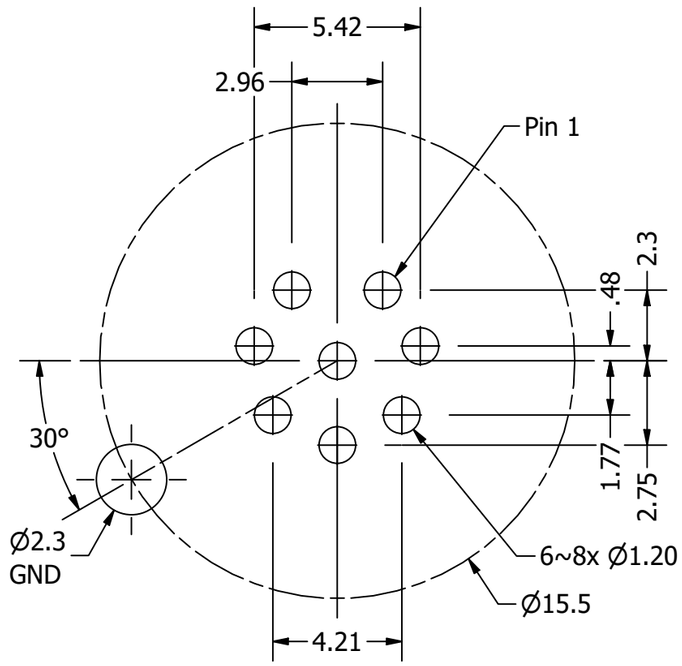
Source:E:\Cambridge Connectors\Live Products\Engineering Data\(CC#) M-Connectors\M12

Recommended PCB footprint
TOL: ±.05

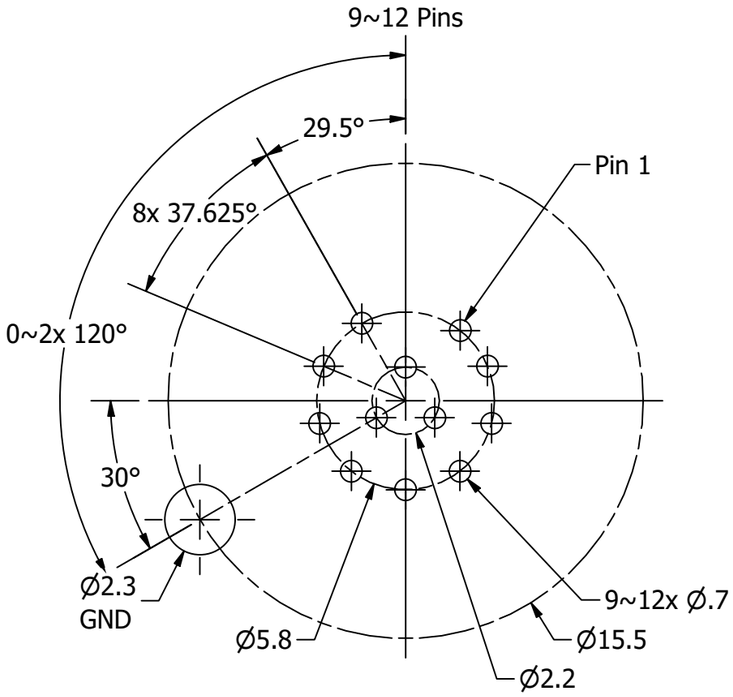
2~5 Pins



6~8 Pins



9~12 Pins



Design Right Protected	Material:	Finish:	x.x ±0.2 x.xx ±0.3	DO NOT SCALE	
Third Angle Projection	Designed by Owen Page	Checked by	Approved by	©2026	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, Shielded		
			Part No: CC12-XXP-FX-PBSX	Issue 1.1	Sheet 2 / 2