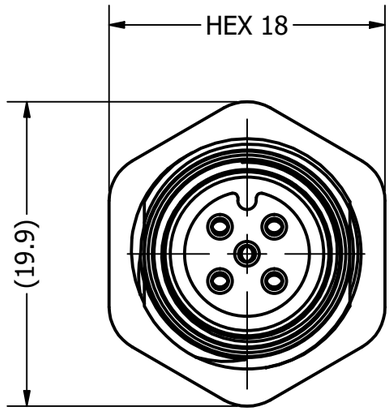
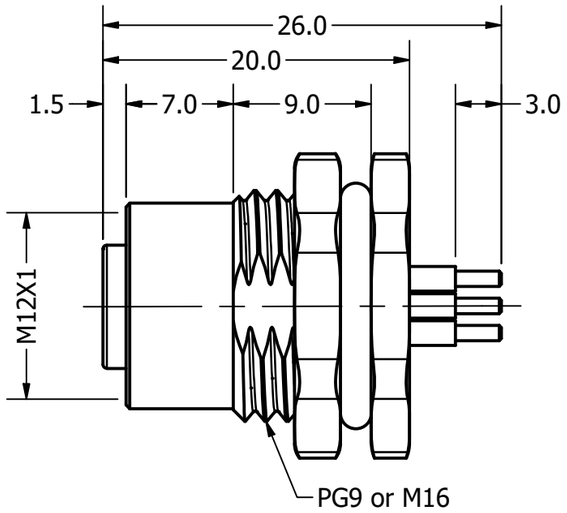
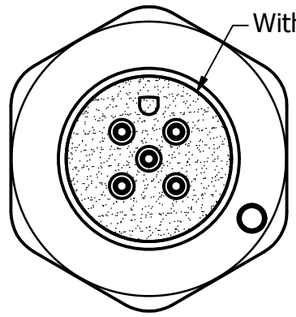
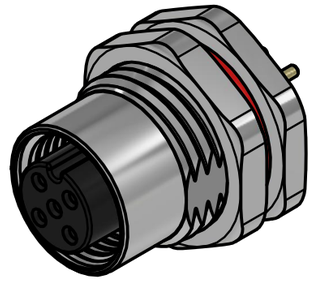
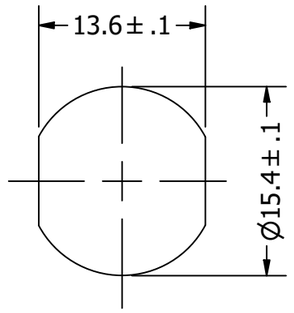


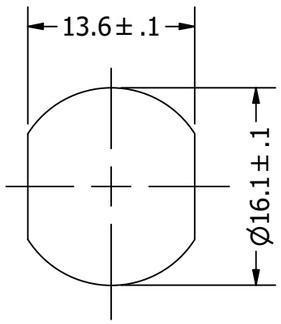








PG9 Recommended panel cutout
MAX panel thickness: 4.0



M16 Recommended panel cutout
MAX panel thickness: 4.0

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

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-XXS-FX-PBX

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

PARTS LIST				
ITEM	DESCRIPTION	MATERIAL	REMARK	QTY
1	Insulator	Nylon 9T	UL94V-0 Black	1
2	Terminal	Copper Alloy	Gold Plated	2~12
3	Shell	Zinc Alloy	Nickel Plated	1
4	Seal Ring	Silicone	Red	2
5	Nut	Copper Alloy	PG9 or M16 Nickel Plated	1

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	29/08/2023	Owen Page
1.1	Updated Format	FB / SUPP	23 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 29 Aug 2023 | A3

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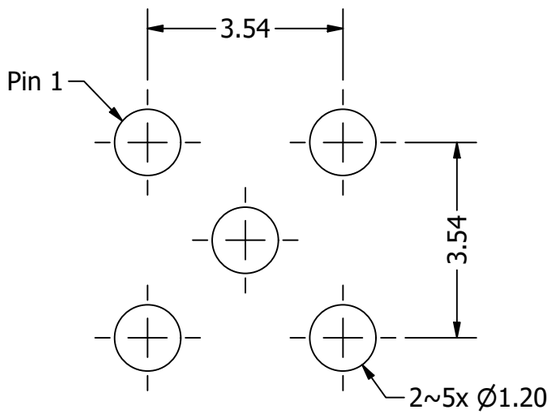
Description: M12 (X) Pin A/D Code Socket, Front Fastening, (PG9/M16 Thread), Straight PCB Solder

Part No: CC12-XXS-FX-PBX | Issue 1.1 | Sheet 1 / 2

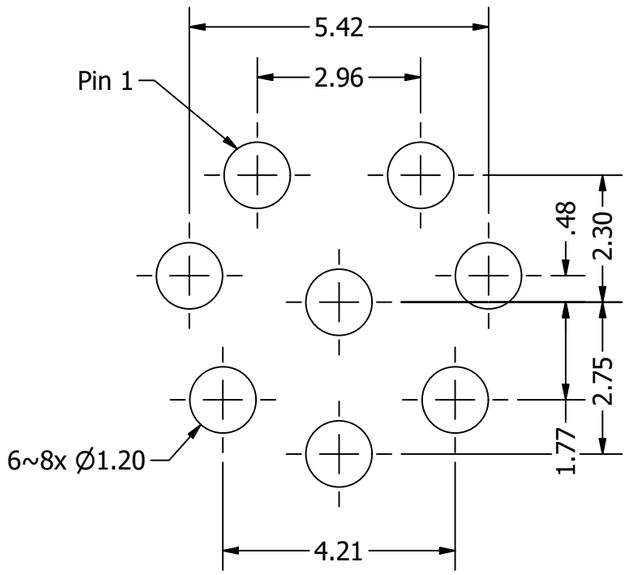
Source:E:\Cambridge Connectors\Live Products\Engineering Data\(CC#) M-Connectors\M12

Recommended PCB footprint
TOL ±.05

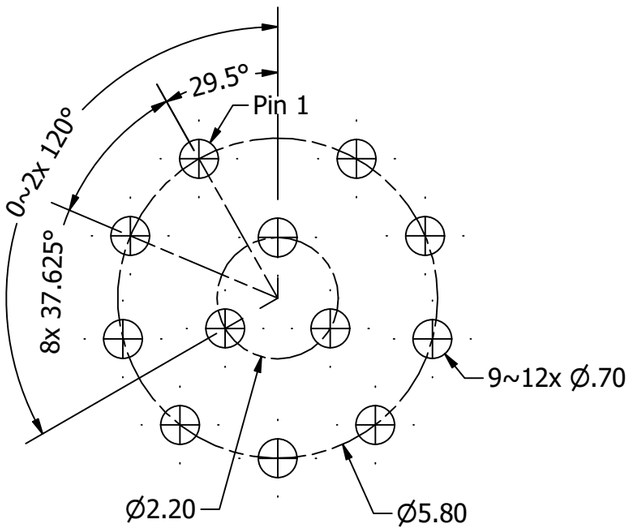
2~5 Pins



6~8 Pins



9~12 Pins



Design Right Protected	Material:	Finish:	Gen Tol .X ±0.30 .XX ±0.20	DO NOT SCALE	
				Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by: Owen Page	Checked by: Peter Millard	Approved by:	©2026	Date: 29 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 Socket, Front Fastening, (PG9/M16 Thread), Straight PCB Solder		
			Part No: CC12-XXS-FX-PBX	Issue: 1.1	Sheet: 2 / 2