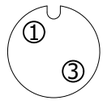
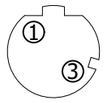
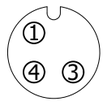
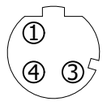
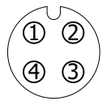
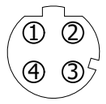
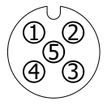
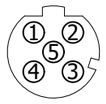
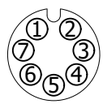
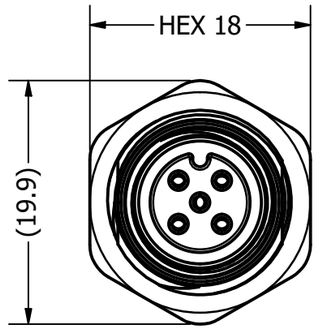
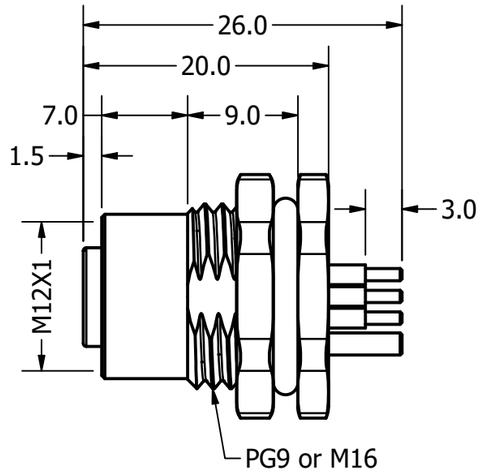
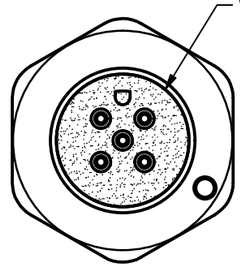
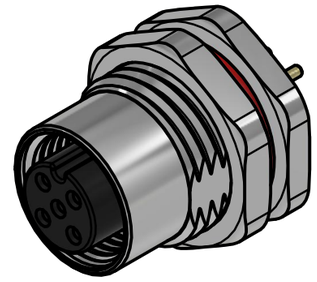
	A CODE	D CODE
2 PIN		
3 PIN		
4 PIN		
5 PIN		
6 PIN		
7 PIN		
8 PIN		
9 PIN		
10 PIN		
11 PIN		
12 PIN		









Electrical:

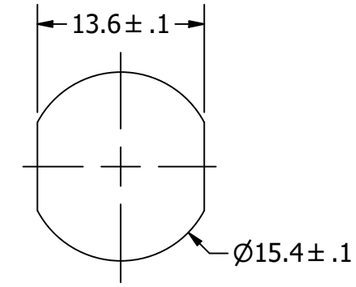
Current rating	4A (2 ~ 5 Pins), 2A (6 ~ 8 Pins), 1.5A (9 ~ 12 Pins) AC/DC
Voltage rating	250V (2 ~ 4 Pins), 60V (5 Pins), 30V (6 ~ 12 Pins) AC/DC
Withstanding voltage	500V AC/minute between contacts
Insulation resistance	100MΩ MIN
Contact resistance	5mΩ MAX

Environmental:

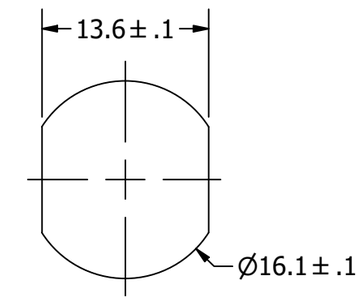
Operating temperature	-40°C ~ +100°C
Ingress protection	IP67
Mating cycles	500

CC12-XXS-FX07-PBSX

- Panel lock thread, 1:PG9 2:M16
- With shielding
- Panel mount PCB dip
- Die casting
- Front fastened A/D coding
- Socket
- No. of contacts
- M12



PG9 Recommended panel cut-out
MAX panel thickness: 4.0mm



PG9 Recommended panel cut-out
MAX panel thickness: 4.0mm

PARTS LIST				
ITEM	DESCRIPTION	MATERIAL	REMARK	QTY
1	Insulator	Nylon	UL94V-0 black	1
2	Terminal	Copper Alloy	Gold Plated 1µ"	2~12
3	Shell	Zinc Alloy	Nickel Plated 60µ"	1
4	Seal Ring	Silicone	Red	2
5	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	Drawing Update	FB / SUPP	10/09/2026	Martin Smith

Design Right Protected

Third Angle Projection

RoHS Compliant

Material:	Finish:	Gen Tol .X ±0.3 .XX ±0.2	DO NOT SCALE Unit of Measure: millimeters (mm)	
Designed by Owen Page	Checked by Peter Millard	Approved by	©2026	Date 22/08/2023 — A3

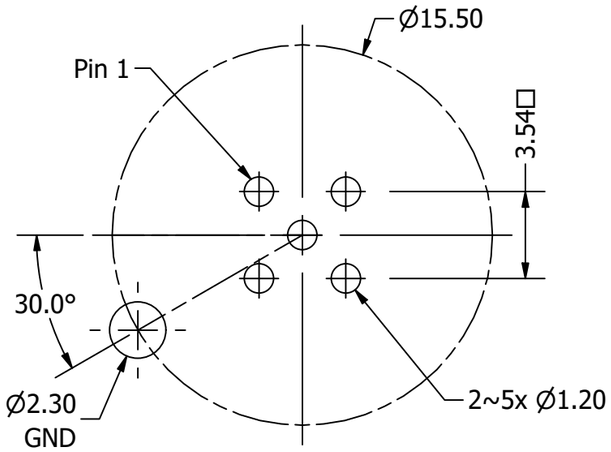
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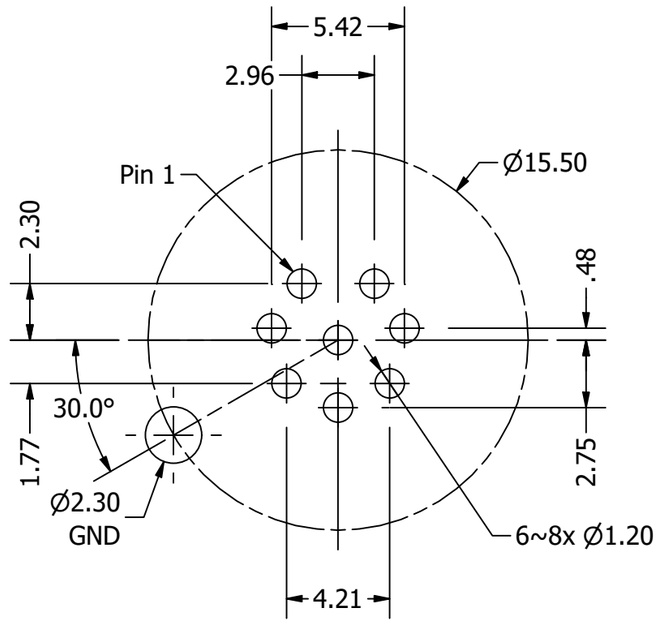
Description: M12 (X) Pin A/D Code Socket, Front Fastening (PG9/M16 Thread), Straight PCB Solder, Shielded

Part No:	Issue	Sheet
CC12-XXS-FX07-PBSX	1.1	1 / 2

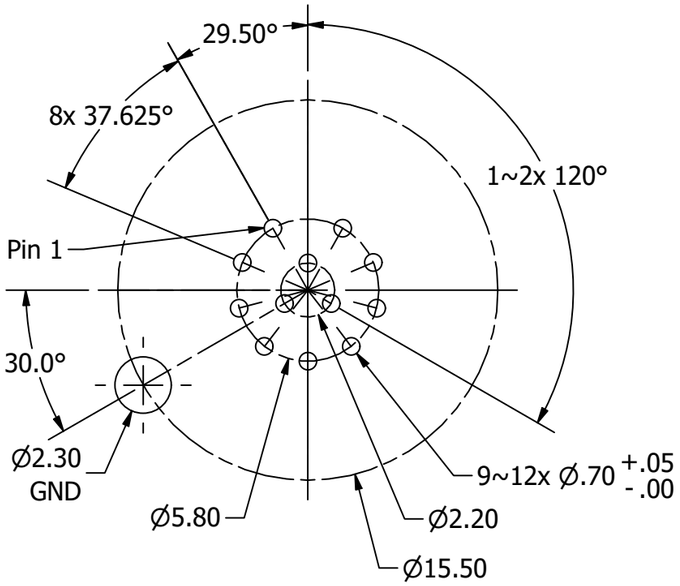
Source:E:\Cambridge Connectors\Live Products\Engineering Data\(CC#) M-Connectors\M12



Recommended PCB footprint
3~5 pin TOL ±0.05mm



Recommended PCB footprint
6~8 pin TOL ±0.05mm



Recommended PCB footprint
9~12 pin TOL ±0.05mm

Design Right Protected	Material:	Finish:	Gen Tol .X ±0.3 .XX ±0.2	DO NOT SCALE	
				Unit of Measure: millimeters (mm)	
Third Angle Projection	Designed by: Owen Page	Checked by: Peter Millard	Approved by:	©2026	Date: 22/08/2023	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, Shielded		
			Part No: CC12-XXS-FX07-PBSX	Issue: 1.1	Sheet: 2 / 2