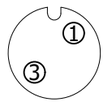
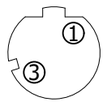
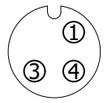
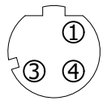
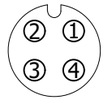
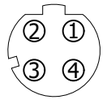
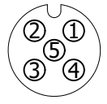
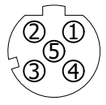
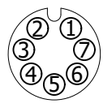
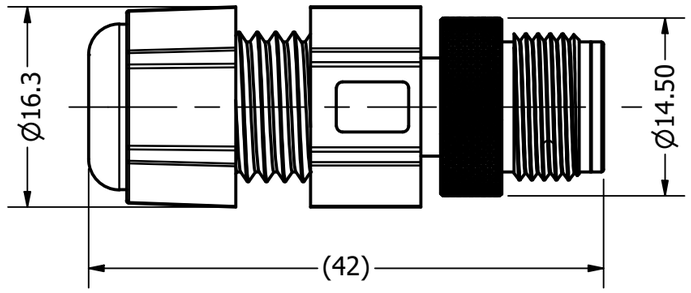
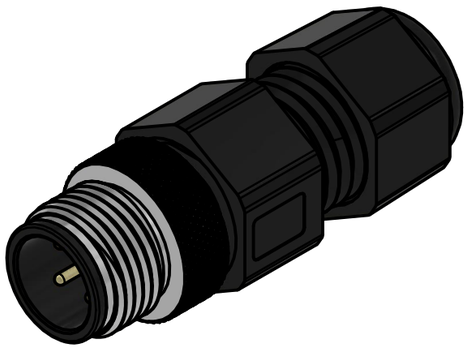
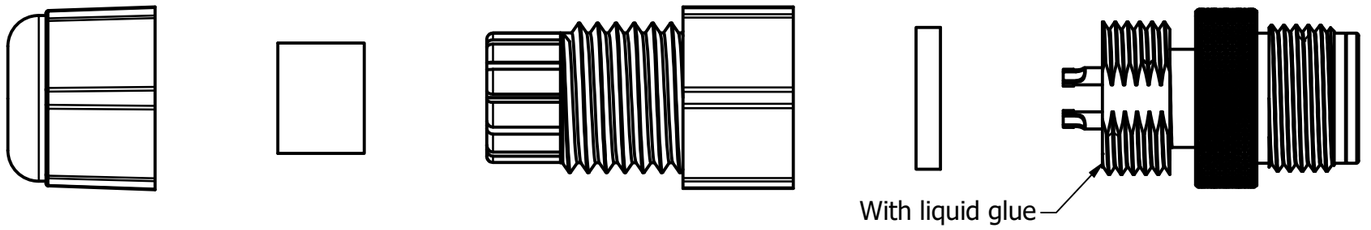
	A CODE	D CODE
2 PIN		
3 PIN		
4 PIN		
5 PIN		
6 PIN		
7 PIN		
8 PIN		
9 PIN		
10 PIN		
11 PIN		
12 PIN		







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

Mechanical:

Seal for cable OD	4.0~6.5

Environmental:

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

CC12-XXP-X-AS

- Assembly solder
- Coding
- Plug
- No. of contacts
- M12

PARTS LIST				
ITEM	DESCRIPTION	MATERIAL	REMARK	QTY
1	Sealing Nut	PPE	Black	1
2	Seal	EPDM	Black	4
3	Clamp Ring	PPE	Black	1
4	Gasket	EPDM	Black	1
5	Screw Nut	Nylon+GF	Black	1
6	Screw Nut	Brass	Nickel plated 100µ"	1
7	Contact	Brass	Gold plated 3µ"	2~12
8	Insulator	Nylon+GF	Black	1
9	Liquid Glue	N/A	Black	1

REVISION HISTORY				
REV	DESCRIPTION	CHG REF	DATE	DESIGNER
1.0	Origin	-	22 Aug 2023	Owen Page
1.1	Updated Drawing	FB / SUPP	29 Sep 2026	Peter Millard

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 Martin Smith

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 Plug, Cable Mount, Straight Solder Bucket

Part No: CC12-XXP-X-AS

Issue 1.1

Sheet 1 / 1

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