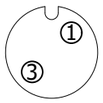
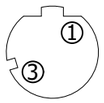
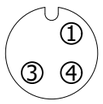
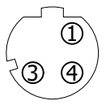
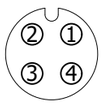
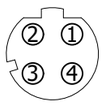
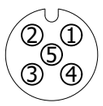
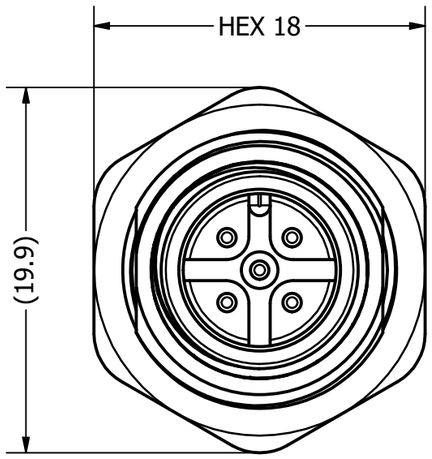
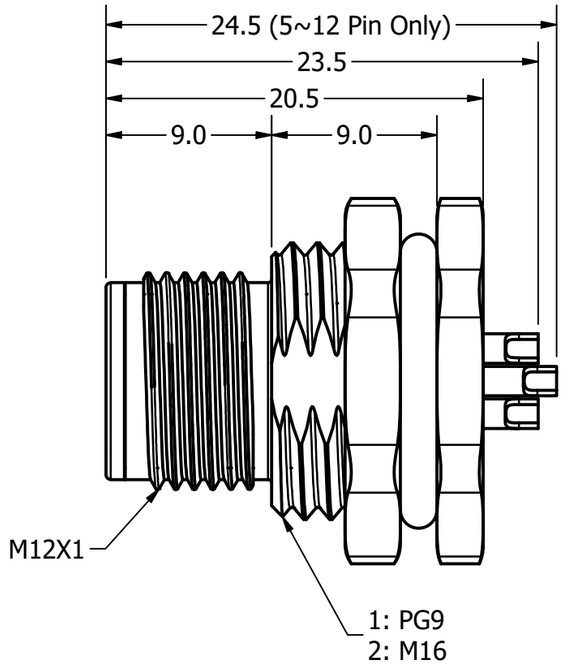
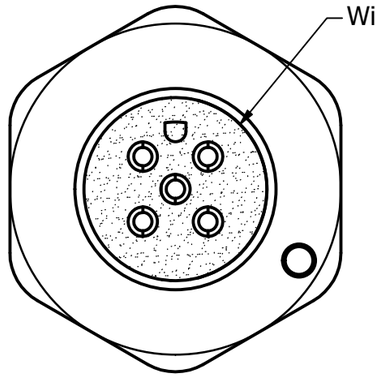
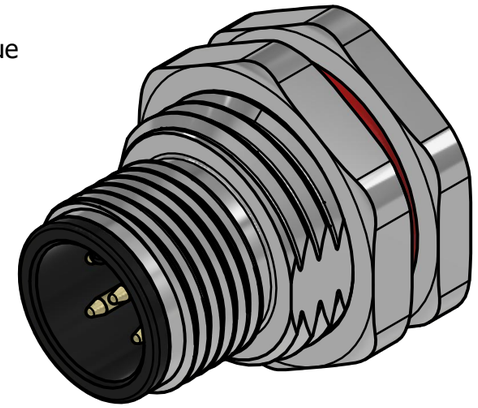
| | A CODE | D CODE |
|---|---|---|
| 2 PIN |  |  |
| 3 PIN |  |  |
| 4 PIN |  |  |
| 5 PIN |  |  |
| 6 PIN |  | |
| 7 PIN |  | |
| 8 PIN |  | |
| 9 PIN |  | |
| 10 PIN |  | |
| 11 PIN |  | |
| 12 PIN |  | |



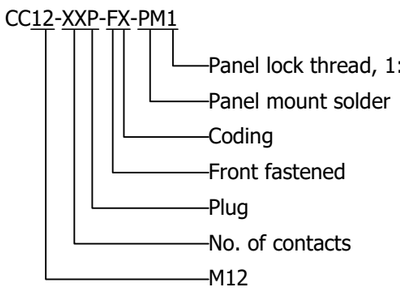



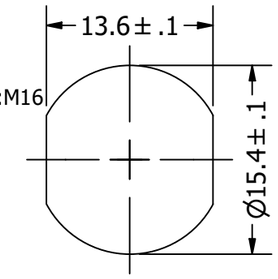
**Electrical:**

| | |
|---|---|
| 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 |

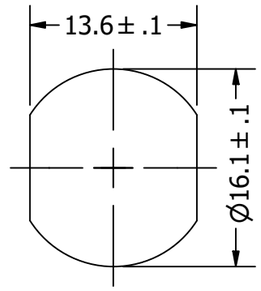
**Environmental:**

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




**PG9 Recommended panel cutout**
**MAX panel thickness: 4.0**




**M16 Recommended panel cutout**
**MAX panel thickness: 4.0**

| 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 | 1 |
| 5 | Nut | Copper Alloy | PG1 or M16 Nickel Plated | 1 |

| REVISION HISTORY | | | | |
|---|---|---|---|---|
| REV | DESCRIPTION | CHG REF | DATE | DESIGNER |
| 1.0 | Origin | - | 22 Aug 2023 | Owen Page |
| 1.1 | Updated Format | FB / SUPP | 08 Sep 2026 | Peter Millard |

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 22 Aug 2023 | A3

RoHS Compliant

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

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

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