General Description

The CC12-XXS-RX-PMX is a M12 circular socket connector which is available with 2 to 12 pin options in an A and D coding and has a rear panel fastening. The connector features solder buckets to the rear for cable mounting. The connector is available as a stand alone unit or as part of a standard ready made cable assembly as part number SCA12-XXSRXX-XXXX or a bespoke cable assembly with other terminations completing the other end. The connector has the IP67 waterproof rating.

| Specification	
Coding	A and D
Contact	2 to 12 Pins
Current Rating	4A AC/DC (2 to 5 Pins) 2A AC/DC (6 to 8 Pins) 1.5A AC/DC (9 to 12 Pins)
Voltage Rating	250V AC/DC (2 to 4 Pins) 60V AC/DC (5 Pins) 30V AC/DC (6 to 12 Pins)
Contact Resistance	≤5mΩ
Insulation Resistance	≥100MΩ
Withstanding Voltage	500V AC/Minute
Operating Temperature	-40°C to +100°C
Waterproof Rating	IP67
Material Plating	
Insulator	UL94V-0 Black
Connector Contacts	Brass Gold Plated
Seal Ring	Red Silicone
Shell	Brass Nickel Plated Stainless Steel Thread (A code only)
Nut	PG9 or M16 Brass Nickel Plated

Pin Assignments Front View

A Coding: 2 Pins, 3 Pins, 4 Pins, 5 Pins, 6 Pins, 7 Pins, 8 Pins, 9 Pins, 10 Pins, 11 Pins, 12 Pins

D Coding: 2 Pins, 3 Pins, 4 Pins, 5 Pins

HEX 18
19.9 REF
A – A

23.0
20.0
1.5 7.0 9.0
2, 3, 4, 6, 7 and 9 Pins

24.0
23.0
20.0
1.5 7.0 9.0
5, 8, 10, 11 and 12 Pins

With Liquid Glue

PG9 or M16
M12 X 1
Section A-A

CC12-XXS-RXXX-PMXXXXX
- Blank: Gold Plating 3u", 10: 10u"
- Blank: Silicone, EP: EPDM
- Panel Lock Thread: 1:PG9 or 2:M16
- Panel Mount Solder
- Blank: Thread Brass, 08 Stainless Steel
- Rear Fastened Coding: A or D
- Socket
- No. of Contacts
- M12

Drawing Issue 1.0
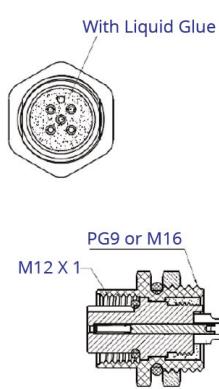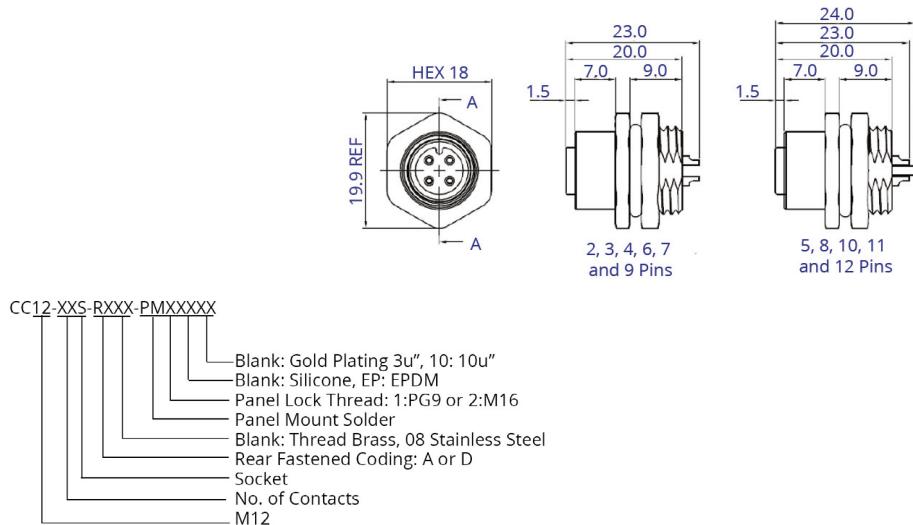
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