

**SERIES:** CDM1209 | **DESCRIPTION:** M12 CONNECTOR**FEATURES**

- M12 male connector
- A & D code versions
- panel mount
- IP67

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage	3 & 4 pole models			250	V
	5 pole model			60	V
	8 & 12 pole models			30	V
rated current	3, 4, & 5 pole models			4	A
	8 pole model			2	A
	12 pole model			1.5	A
withstanding voltage	for 1 minute		1,500		Vac
contact resistance				10	mΩ
insulation resistance	at 500 Vdc for 1 minute	100			MΩ
insertion/withdrawal force		0.3		3.0	kgf
operating temperature		-25		80	°C
life		100			cycles
safety approvals	compliant with IEC61076-2-101				
flammability rating	see material table				
RoHS	yes				
IP level	IP67 (in mated condition)				
packaging	tray QTY: 30 pcs carton size: 275 x 235 x 335 mm carton QTY: 450 pcs				

**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds	260	280	300	°C

**PART NUMBER KEY**

**CDM1209 - XXX - MP - F12 - 67**

Base Number

No. of Poles

03A = 3 (A-Coding)

04A = 4 (A-Coding)

04D = 4 (D-Coding)

05A = 5 (A-Coding)

08A = 8 (A-Coding)

12A = 12 (A-Coding)

## MECHANICAL DRAWING

units: mm

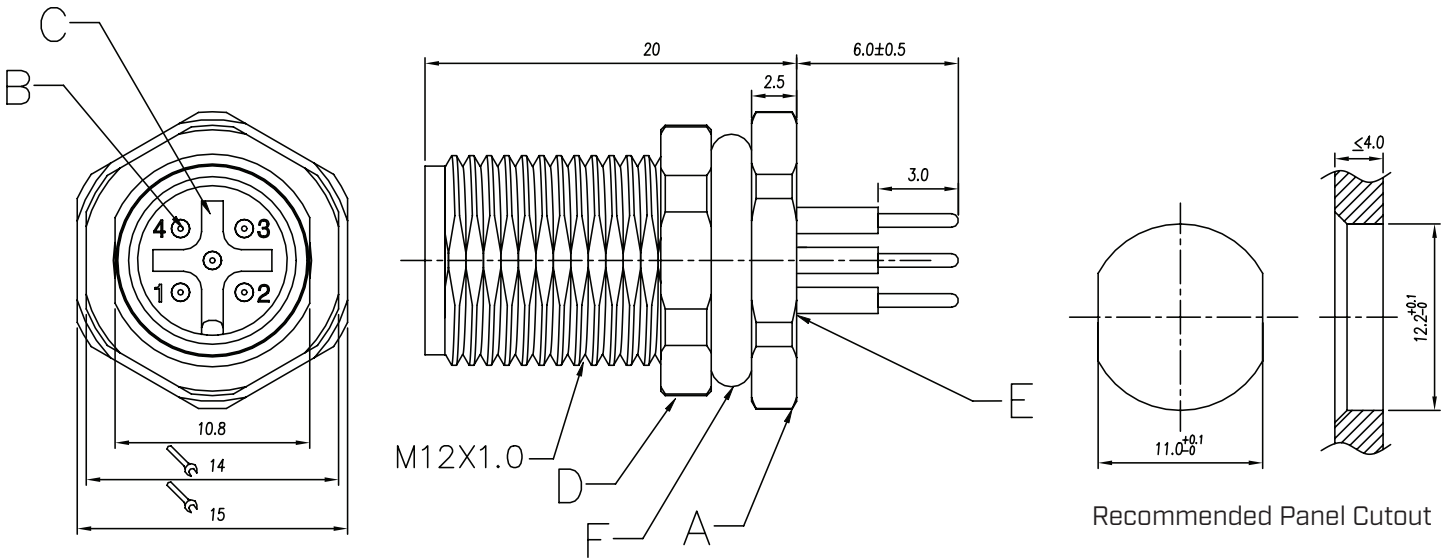
tolerance:

0.5<X≤6.0: ±0.1 mm

6.0<X≤30.0: ±0.2 mm

unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
A	M12x1.0 screw	brass	nickel
B	terminals; male	brass	gold
C	housing; male	PA66 (UL94V-0)	black
D	M12x1.0 nut	brass	nickel
E	resin	epoxy resin	black
F	o-ring	FKM	black



No. of Poles	3	4	4	5	8	12
Coding	A-Coding	A-Coding	D-Coding	A-Coding	A-Coding	A-Coding
Pin Diameter	1.0 mm	1.0 mm	1.0 mm	1.0 mm	0.8 mm	0.6 mm
Recommended PCB Layout Top View						

## REVISION HISTORY

rev.	description	date
1.0	initial release	12/13/2021
1.01	logo, datasheet style update	08/05/2022
1.02	added D-Code model	05/09/2024

The revision history provided is for informational purposes only and is believed to be accurate.



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