

**SERIES:** CDM847 | **DESCRIPTION:** M8 CONNECTOR**FEATURES**

- M8 female connector
- A & B code versions
- panel mount
- IP67

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage	3 & 4 pole models			60	V
	5, 6, & 8 pole models			30	V
rated current	3, 4, & 5 pole models			3	A
	6 & 8 pole models			1.5	A
withstanding voltage	for 1 minute		500		Vac
contact resistance				5	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 IEC61076-2-104				
flammability rating	see material table				
RoHS	yes				
IP level	IP67 (in mated condition)				

**SOLDERABILITY**

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

**PART NUMBER KEY****CDM847 - XXX - FP - F010 - 67**

Base Number

No. of Poles:

03A = 3 (A-Coding)

04A = 4 (A-Coding)

05B = 5 (B-Coding)

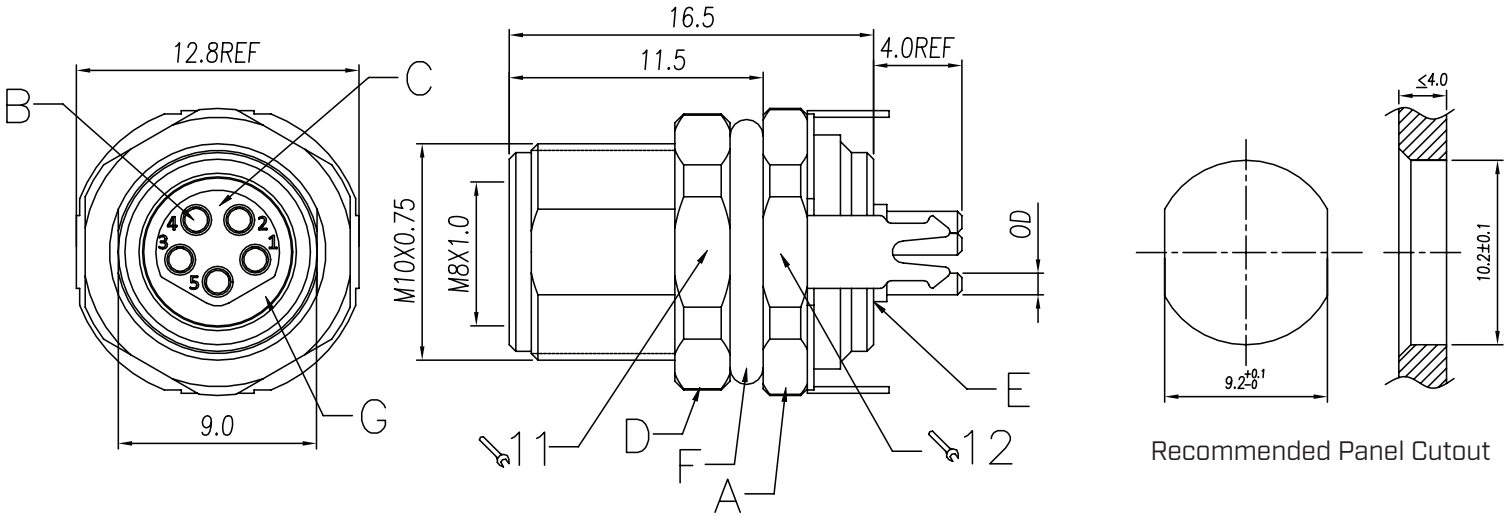
06A = 6 (A-Coding)

08A = 8 (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	M8x1.0 screw M10x0.75 screw	brass	nickel
B	terminals; female	brass	gold
C	housing; female	PA66 [UL94V-0]	black
D	M10x0.75 nut	brass	nickel
E	resin	epoxy resin	black
F	o-ring	FKM	black
G	o-ring	FKM	orange



No. of Poles	3	4	5	6	8
Coding	 A-Coding	 A-Coding	 B-Coding	 A-Coding	 A-Coding
Pin Diameter	1.0 mm	1.0 mm	1.0 mm	0.6 mm	0.6 mm
Recommended PCB Layout Top View					

REVISION HISTORY

rev.	description	date
1.0	initial release	01/21/2025

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



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