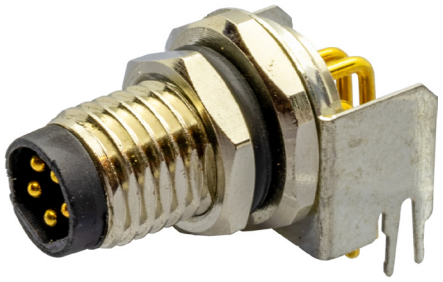
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SERIES: CDM846 | DESCRIPTION: M8 CONNECTOR

FEATURES

- M8 male connector
- A & B code versions
- right angle
- IP67



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	3 & 4 pole models 5 pole model			60 30	V V
rated current	3, 4, & 5 pole models			3	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

CDM846 - XXX - MP - F810 - 67

Base Number

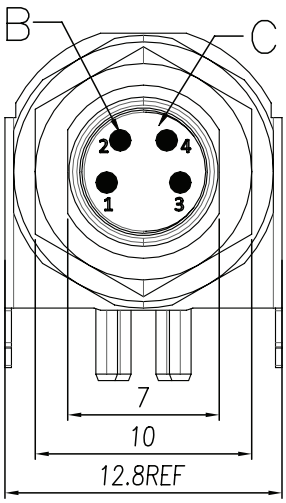
No. of Poles:
03A = 3 (A-Coding)
04A = 4 (A-Coding)
05B = 5 (B-Coding)

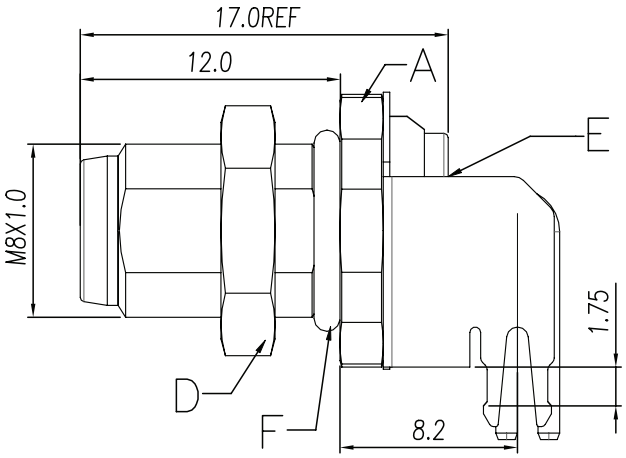
MECHANICAL DRAWING

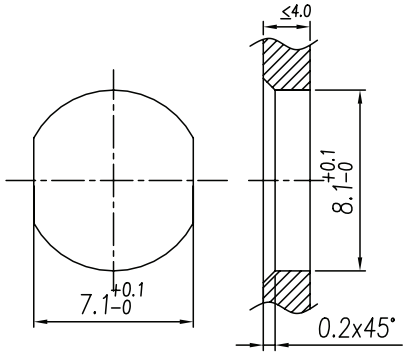
units: mm
tolerance:
0.5<X≤6.0: ±0.1 mm
6.0<X≤30.0: ±0.2 mm
unless otherwise noted

PCB thickness: 1.6 mm

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
A	M8x1.0 screw	brass	nickel
B	terminals; male	brass	gold
C	housing; male	PA66 (UL94V-0)	black
D	M8x1.0 nut	brass	nickel
E	resin	epoxy resin	black
F	o-ring	FKM	black







Recommended Panel Cutout

No. of Poles	3	4	5
Coding	A-Coding	A-Coding	B-Coding
Pin Diameter	1.0 mm	1.0 mm	1.0 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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Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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