SERIES: CDM803 | 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 5, 6, & 8 pole models			60 30	V V
rated current	3, 4, & 5 pole models 6 & 8 pole models			3 1.5	A 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		1.5	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)				
packaging	tray QTY: 80 pcs per tray carton size: 270 x 215 x 107 mm carton QTY: 1,680 pcs per carton				

SOLDERABILITY

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

PART NUMBER KEY

CDM803 - XXX - FP - R805 - 67

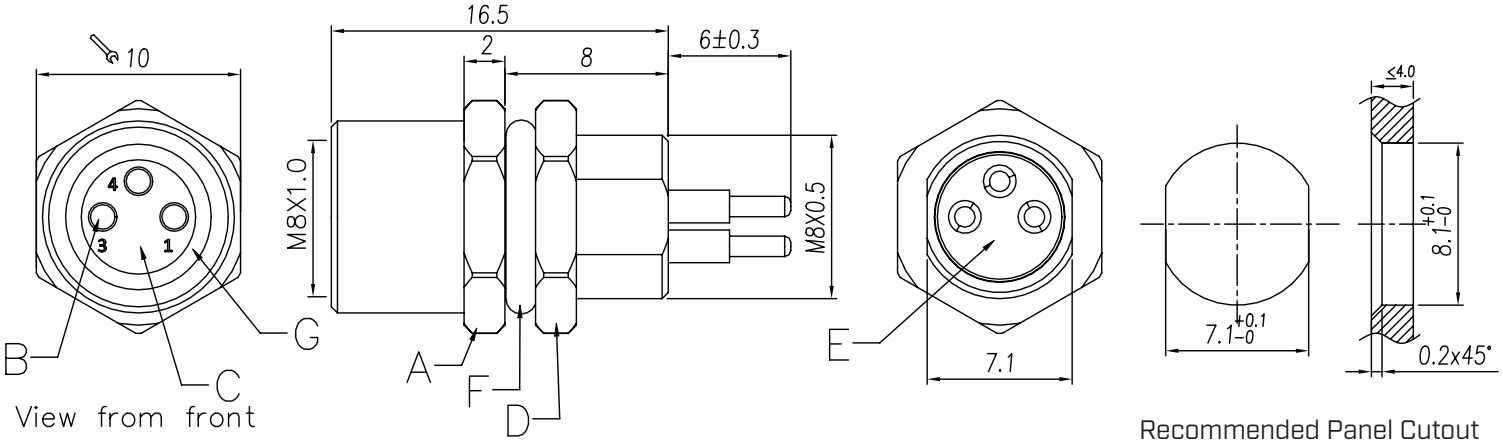
Base Number

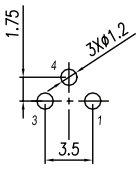
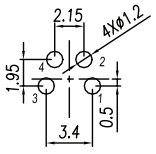
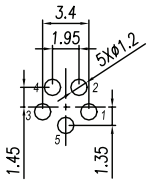
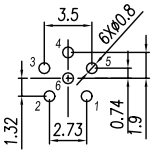
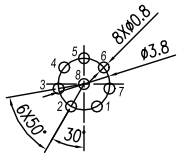
No. of Poles:
03A = 3 (A-Coding)
04A = 4 (A-Coding)
05B = 5 (B-Coding)
06A = 6 (A-Coding)
08A = 8 (A-Coding)

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	brass	nickel
B	terminals; female	brass	gold
C	housing; female	PA66 (UL94V-0)	black
D	M8x0.5 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	0.7 mm	0.6 mm
Recommended PCB Layout Top View					

REVISION HISTORY

rev.	description	date
1.0	initial release	07/19/2022
1.01	logo, datasheet style update	08/05/2022

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

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