CUI Devices is now Same Sky! Learn More

SERIES: CDM1208 | DESCRIPTION: M12 CONNECTOR

FEATURES

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

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
rated voltage	3 & 4 pole models 5 pole model 8 & 12 pole models			250 60 30	V V V
rated current	3, 4, & 5 pole models 8 pole model 12 pole model			4 2 1.5	A 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		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

CDM1208 - XXX - FP - R9 - 67

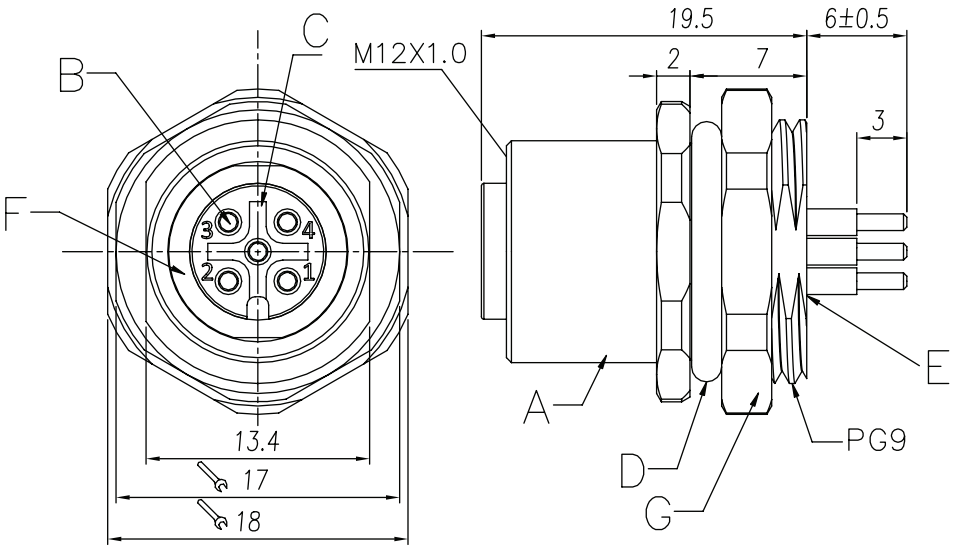
Base Number

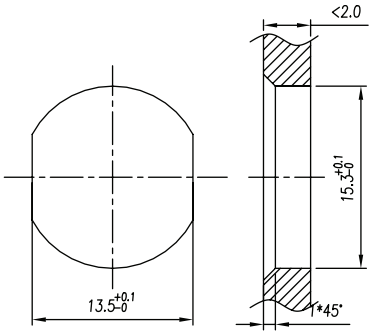
No. of Poles
03A = 3 (A-Coding)
04A = 4 (A-Coding)
04D = 4 (D-Coding)
05A = 5 (A-Coding)
08A = 8 (A-Coding)
12A = 12 (A-Coding)

MECHANICAL DRAWING

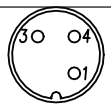
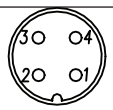
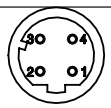
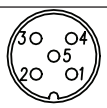
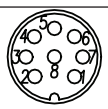
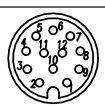
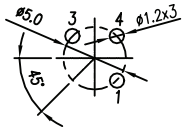
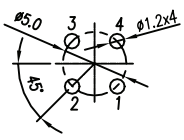
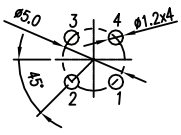
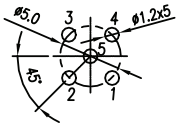
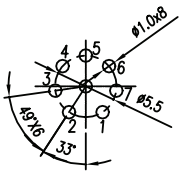
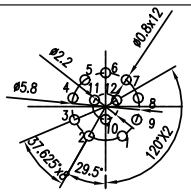
units: mm
tolerance:
0.5<X≤6.0: ±0.1 mm
6.0<X≤30.0: ±0.2 mm
unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
A	M12x1.0 screw	brass	nickel
B	terminals; female	brass	gold
C	housing; female	PA66 (UL94V-0)	black
D	o-ring	FKM	black
E	resin	epoxy resin	black
F	o-ring	FKM	green
G	PG9 nut	brass	nickel





Recommended Panel Cutout

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
1.03	CUI Devices rebranded to Same Sky	09/12/2024

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

Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.