

**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<br>carton size: 275 x 235 x 335 mm<br>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)

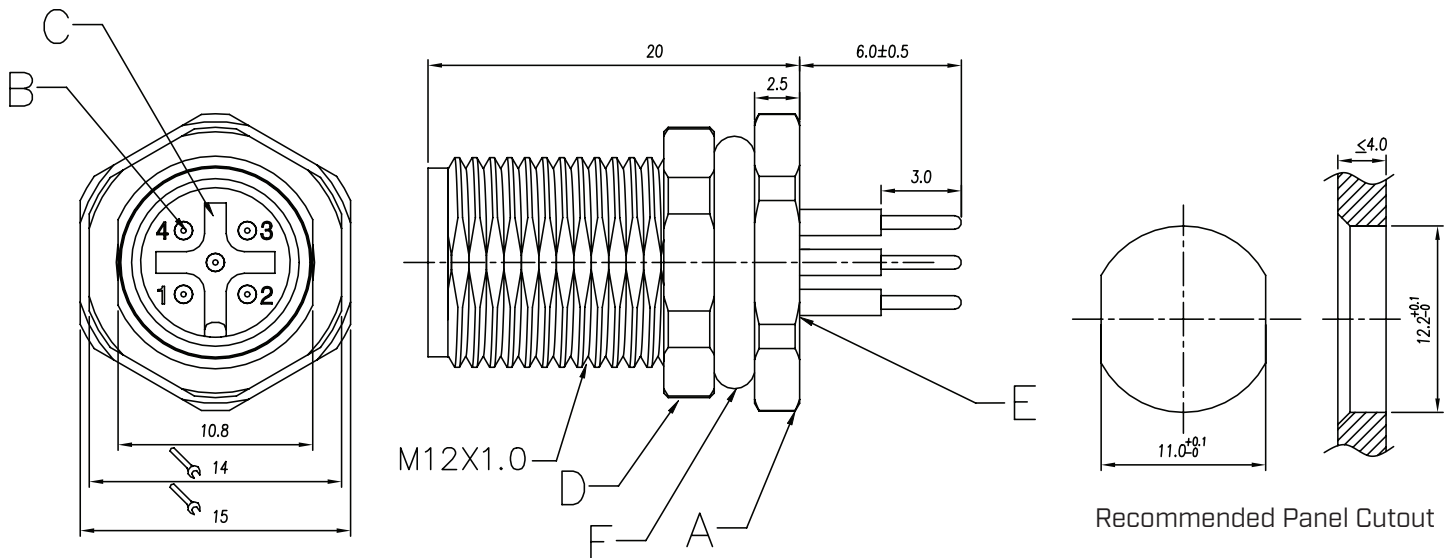
08A = 8 (A-Coding)

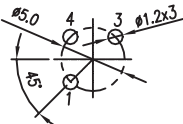
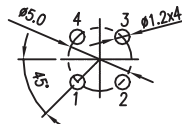
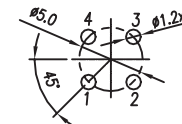
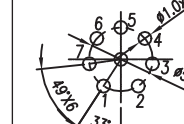
12A = 12 (A-Coding)

## 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                          |  |  |  |  |  |  |
| 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.

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