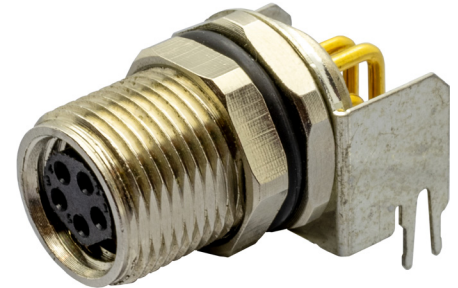


**SERIES:** CDM845 | **DESCRIPTION:** M8 CONNECTOR**FEATURES**

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

**SPECIFICATIONS**

| parameter                  | conditions/description        | min | typ | max | units  |
|----------------------------|-------------------------------|-----|-----|-----|--------|
| rated voltage              | 3 & 4 pole models             |     |     | 60  | V      |
|                            | 5 pole model                  |     |     | 30  | 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      |                               | -40 |     | 105 | °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****CDM845 - XXX - FP - F010 - 67**

Base Number

No. of Poles:

03A = 3 (A-Coding)

04A = 4 (A-Coding)

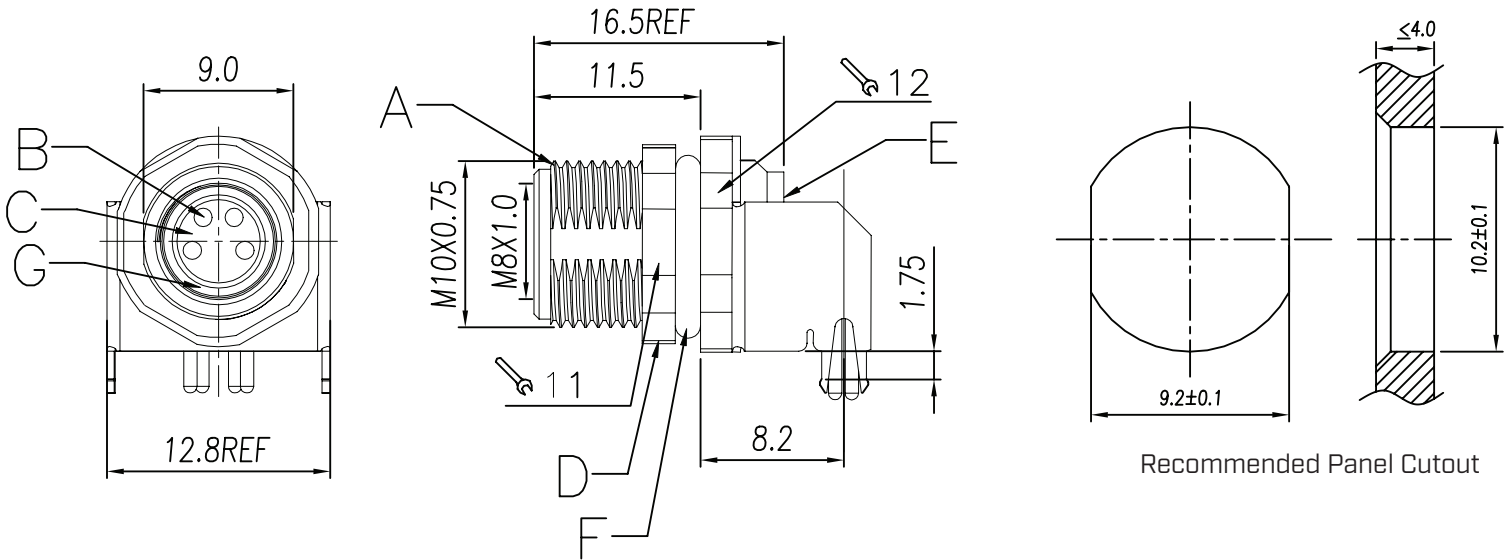
05B = 5 (B-Coding)

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<br>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                                                              |
|---------------------------------|----------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------|
| Coding                          | <br>A-Coding                                       | <br>A-Coding                                             | <br>B-Coding                                                   |
| Pin Diameter                    | 1.0 mm                                             | 1.0 mm                                                   | 1.0 mm                                                         |
| Recommended PCB Layout Top View | <br>Dimensions: 12.5, 3xØ1.3, Ø3.0, 1.95, 3.5, 0.5 | <br>Dimensions: 12.5, 2.15, 4xØ1.3, Ø3.0, 1.95, 3.4, 0.5 | <br>Dimensions: 12.5, 3.4, 1.95, 5xØ1.3, Ø3.0, 0.5, 1.45, 1.35 |

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.



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

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