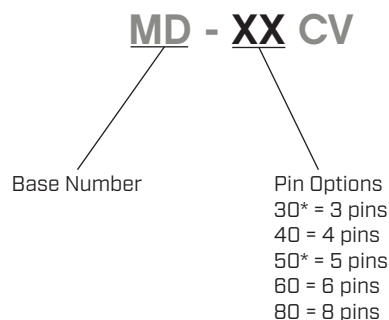


SERIES: MD-CV | **DESCRIPTION:** MINI DIN CONNECTOR

FEATURES

- panel mount
- locking nut
- plastic bushing


PART NUMBER KEY


Notes: *Discontinued models MD-30CV & MD-50CV

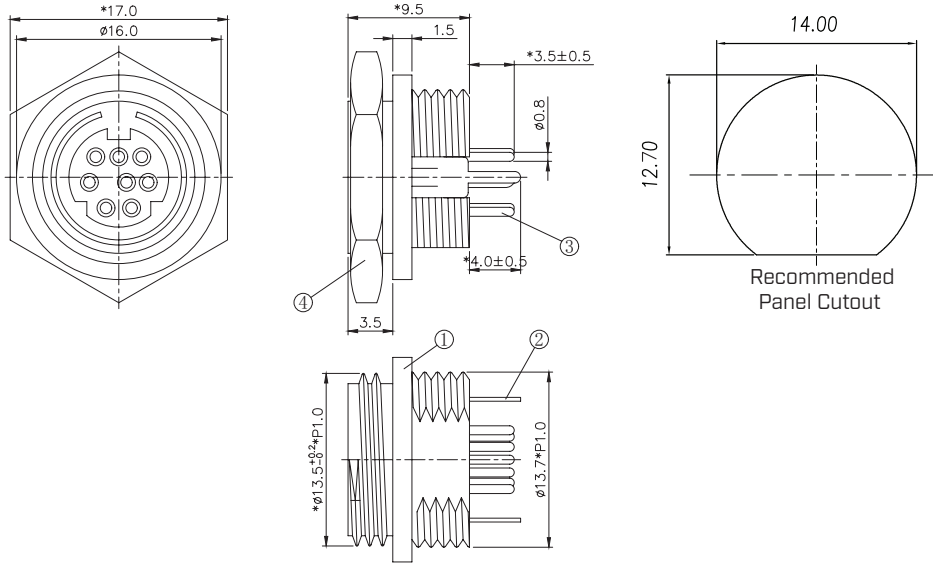
SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|-----------------------|-------------------------|-----|-----------|--------|------------|
| rated input voltage | | | 100 12 | | Vac Vdc |
| rated input current | at 100 Vac at 12 Vdc | | | 1 2 | A A |
| contact resistance | | | | 30 | mΩ |
| insulation resistance | at 250 Vdc | 50 | | | MΩ |
| voltage withstand | for 1 minute | | | 250 | Vac |
| insertion force | | 0.8 | | 6.0 | kg |
| withdrawal force | | 0.8 | | 4.5 | kg |
| operating temperature | | -20 | | 85 | °C |
| life | | | 1,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

MECHANICAL DRAWINGS (MD-30CV, MD-40CV, MD-50CV)

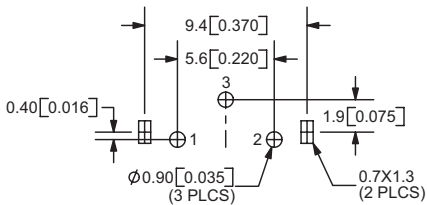
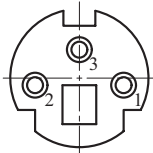
units: mm
 tolerance: ±0.3 mm
 PCB: ±0.1 mm
 unless otherwise noted

| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|------|----------------|-----------------|---------------|
| 1 | body | PBT (UL94V-0) | black |
| 2 | earth terminal | brass | tin |
| 3 | terminals | phosphor bronze | silver |
| 4 | nut | brass | |

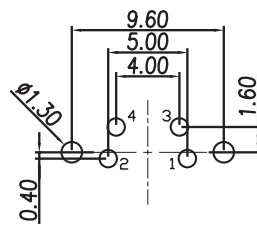


MD-40CV

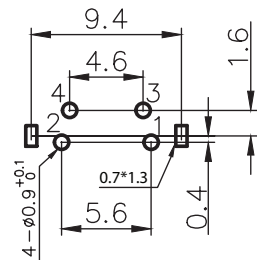
MD-30CV



Recommended PCB Layout
Top View

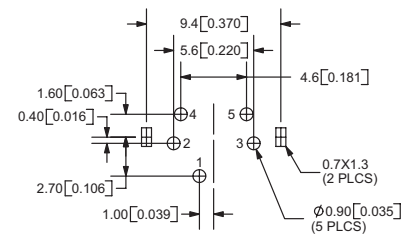
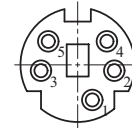


Recommended PCB Layout
Top View
[Date Codes prior to 03/03/2022]



Recommended PCB Layout
Top View
[Date Codes after 03/03/2022]

MD-50CV

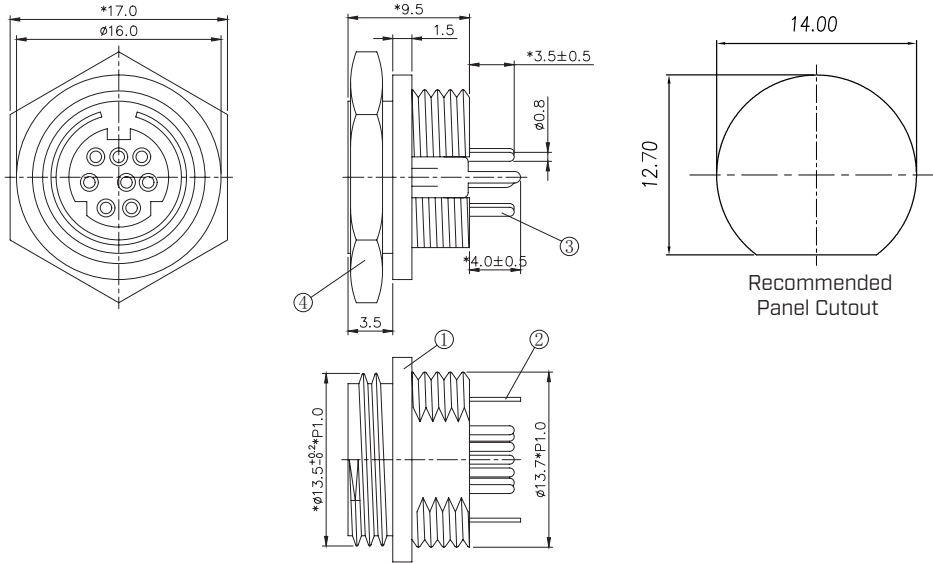


Recommended PCB Layout
Top View

MECHANICAL DRAWINGS (MD-60CV, MD-80CV)

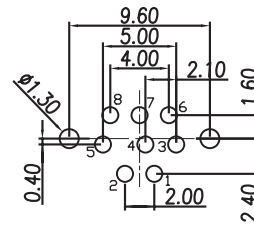
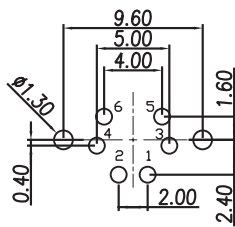
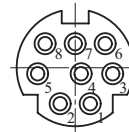
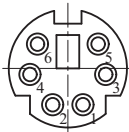
units: mm
 tolerance: ±0.3 mm
 PCB: ±0.1 mm
 unless otherwise noted

| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|------|----------------|-----------------|---------------|
| 1 | body | PBT (UL94V-0) | black |
| 2 | earth terminal | brass | tin |
| 3 | terminals | phosphor bronze | silver |
| 4 | nut | brass | |



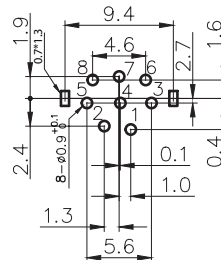
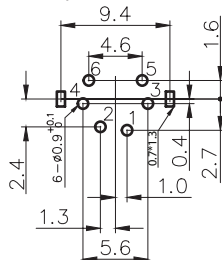
MD-60CV

MD-80CV



Recommended PCB Layout
 Top View
 [Date Codes prior to 03/03/2022]

Recommended PCB Layout
 Top View
 [Date Codes prior to 03/03/2022]



Recommended PCB Layout
 Top View
 [Date Codes after 03/03/2022]

Recommended PCB Layout
 Top View
 [Date Codes after 03/03/2022]

REVISION HISTORY

| rev. | description | date |
|------|---|------------|
| 1.0 | initial release | 02/23/2006 |
| 1.01 | new template applied | 02/20/2012 |
| 1.02 | updated datasheet | 09/01/2017 |
| 1.03 | discontinued models MD-30CV and MD-50CV, brand update | 10/08/2019 |
| 1.04 | updated housing | 11/19/2019 |
| 1.05 | updated PCB footprints | 09/01/2020 |
| 1.06 | modified design, changed factory | 02/21/2022 |
| 1.07 | 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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