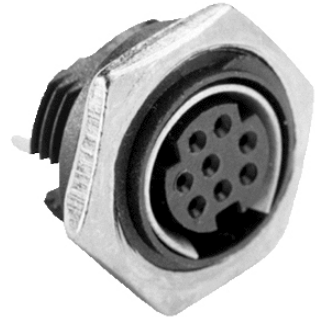


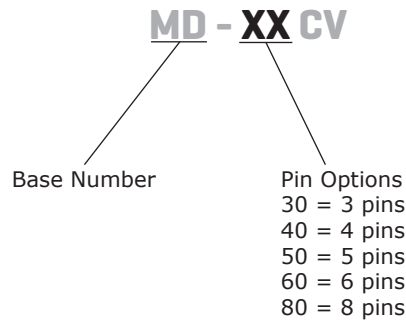
**SERIES:** MD-CV | **DESCRIPTION:** MINI DIN CONNECTOR

**FEATURES**

- panel mount
- locking nut
- plastic bushing



**PART NUMBER KEY**



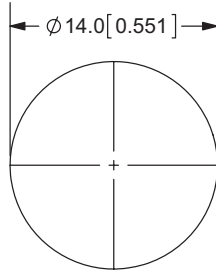
**SPECIFICATIONS**

| parameter             | conditions/description  | min | typ       | max    | units      |
|-----------------------|-------------------------|-----|-----------|--------|------------|
| rated input voltage   |                         |     | 100<br>12 |        | Vac<br>Vdc |
| rated input current   | at 100 Vac<br>at 12 Vdc |     |           | 1<br>2 | A<br>A     |
| contact resistance    |                         |     |           | 30     | mΩ         |
| insulation resistance | at 250 Vdc              | 50  |           |        | MΩ         |
| voltage withstand     | for 1 minute            |     |           | 250    | Vac        |
| insertion force       |                         | 1   |           | 4.5    | kg         |
| withdrawal force      |                         | 0.8 |           | 3      | kg         |
| operating temperature |                         | -40 |           | 85     | °C         |
| life                  |                         |     | 1,000     |        | cycles     |
| flammability rating   | UL94V-0                 |     |           |        |            |
| RoHS                  | 2011/65/EU              |     |           |        |            |

## MECHANICAL DRAWINGS

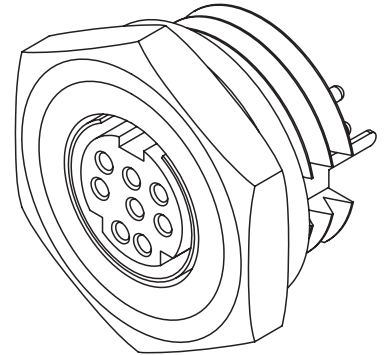
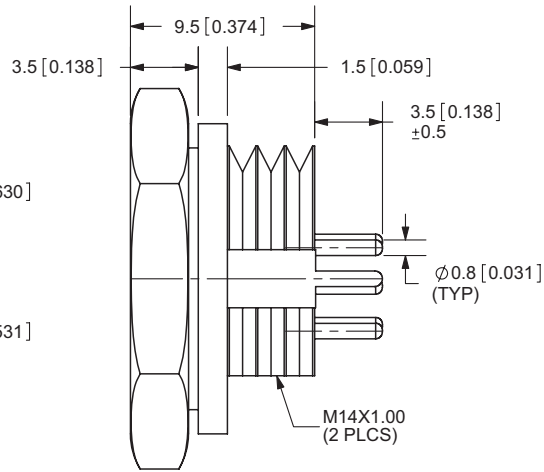
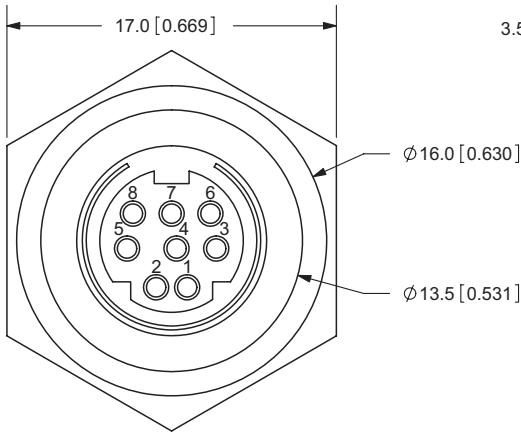
units: mm[inches]

TOLERANCE:  $\pm 0.2$ mm

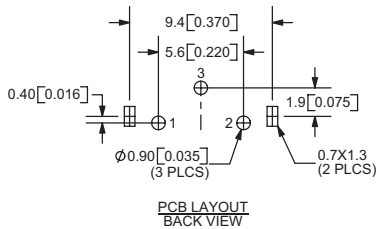
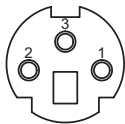


RECOMMENDED  
PANEL CUTOUT

|                         | MATERIAL        | PLATING |
|-------------------------|-----------------|---------|
| earth terminal          | brass           | tin     |
| terminal contacts (1~8) | phosphor bronze | silver  |
| housing                 | PBT             |         |

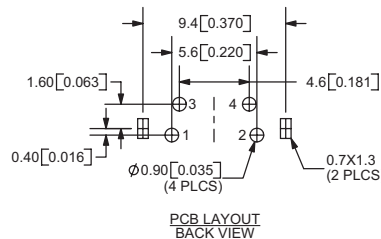
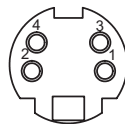


### MD-30CV



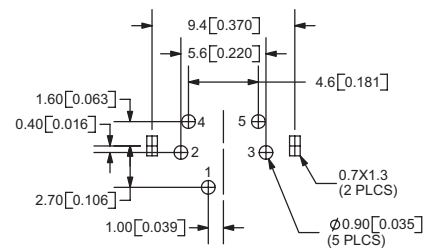
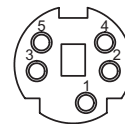
PCB LAYOUT  
BACK VIEW

### MD-40CV



PCB LAYOUT  
BACK VIEW

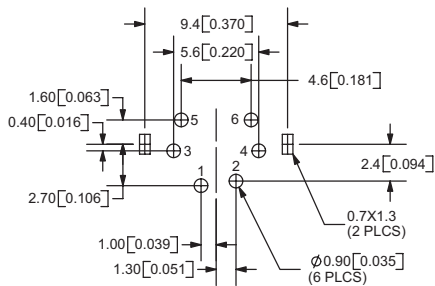
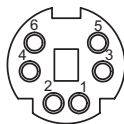
### MD-50CV



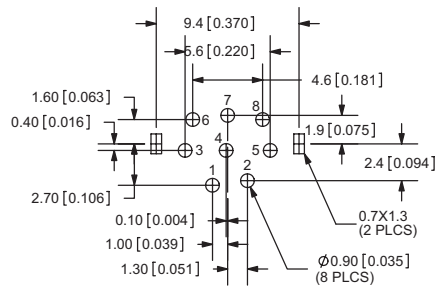
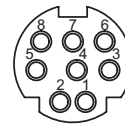
PCB LAYOUT  
BACK VIEW

**MECHANICAL DRAWINGS (CONTINUED)**

**MD-60CV**



**MD-80CV**



## REVISION HISTORY

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| 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 |

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



**Headquarters**  
20050 SW 112th Ave.  
Tualatin, OR 97062  
**800.275.4899**

Fax 503.612.2383  
**cui.com**  
techsupport@cui.com

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