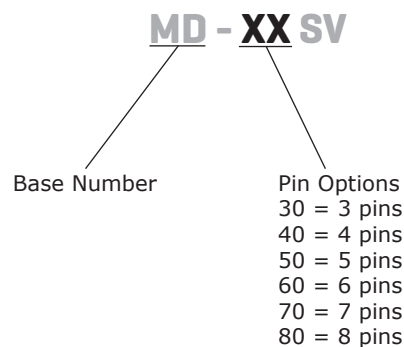


**SERIES:** MD-SV | **DESCRIPTION:** MINI DIN CONNECTOR**FEATURES**

- PCB mount
- vertical mount
- 3~8 pins

**PART NUMBER KEY****SPECIFICATIONS**

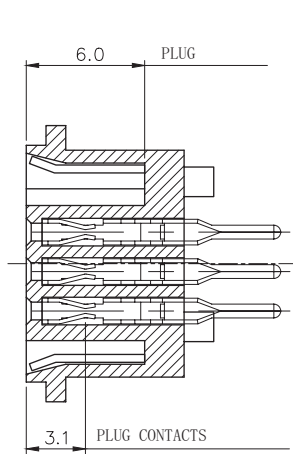
| parameter             | conditions/description  | min | typ       | max    | units      |
|-----------------------|-------------------------|-----|-----------|--------|------------|
| rated input voltage   |                         |     | 100<br>12 |        | Vac<br>Vdc |
| rated input current   | 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       |                         | 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                     |     |           |        |            |



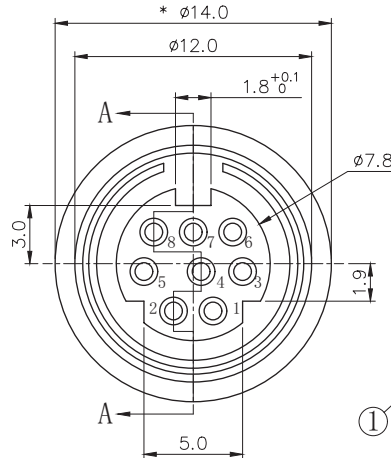
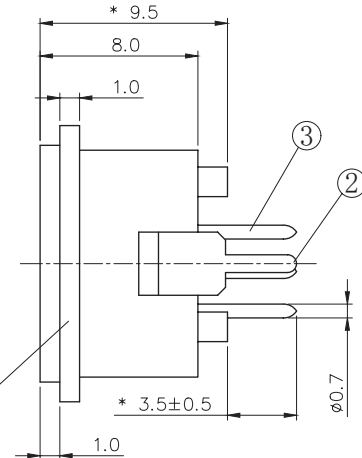
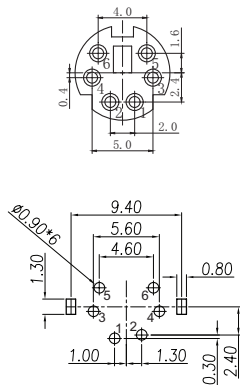
**MECHANICAL DRAWINGS (MD-60SV, MD-70SV, MD-80SV)**

units: mm  
 tolerance:  $\pm 0.3$  mm  
 PCB:  $\pm 0.1$  mm  
 unless otherwise noted

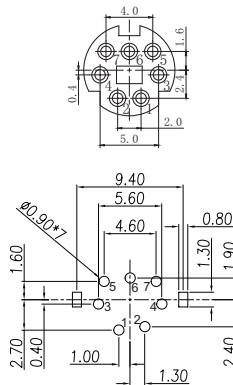
| ITEM | DESCRIPTION    | MATERIAL        | PLATING/COLOR |
|------|----------------|-----------------|---------------|
| 1    | body           | PBT (UL94V-0)   | black         |
| 2    | earth terminal | brass           | tin           |
| 3    | terminals      | phosphor bronze | silver        |



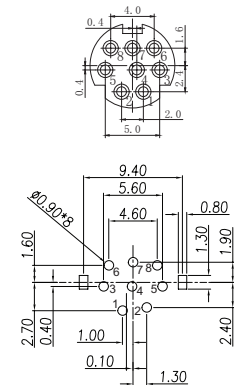
A-A

**MD-60SV****MD-70SV****MD-80SV**

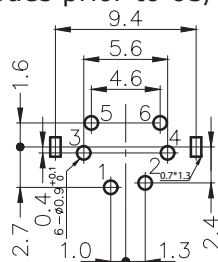
Recommended PCB Layout  
 Bottom View  
 (Date Codes prior to 03/03/2022)



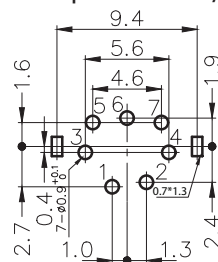
Recommended PCB Layout  
 Bottom View  
 (Date Codes prior to 03/03/2022)



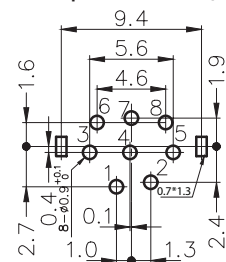
Recommended PCB Layout  
 Bottom View  
 (Date Codes prior to 03/03/2022)



Recommended PCB Layout  
 Bottom View  
 (Date Codes after 03/03/2022)



Recommended PCB Layout  
 Bottom View  
 (Date Codes after 03/03/2022)



Recommended PCB Layout  
 Bottom View  
 (Date Codes after 03/03/2022)

## REVISION HISTORY

| rev. | description                                        | date       |
|------|----------------------------------------------------|------------|
| 1.0  | initial release                                    | 02/23/2006 |
| 1.01 | new template applied                               | 03/07/2012 |
| 1.02 | updated datasheet                                  | 08/25/2017 |
| 1.03 | updated housing, added 7 pin version, brand update | 10/08/2019 |
| 1.04 | modified design, changed factory                   | 02/18/2022 |

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

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