

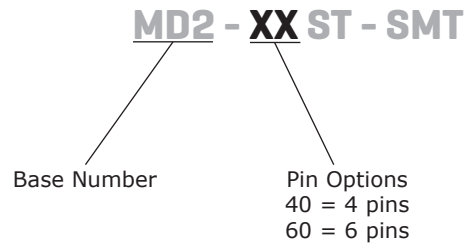
**SERIES:** MD2-ST-SMT | **DESCRIPTION:** MINI DIN CONNECTOR

**FEATURES**

- fully shielded
- right angle
- surface mount
- slim style



**PART NUMBER KEY**

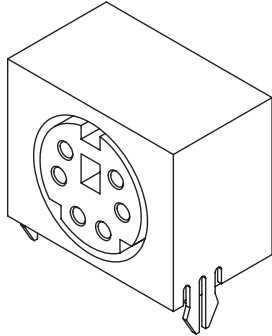


**SPECIFICATIONS**

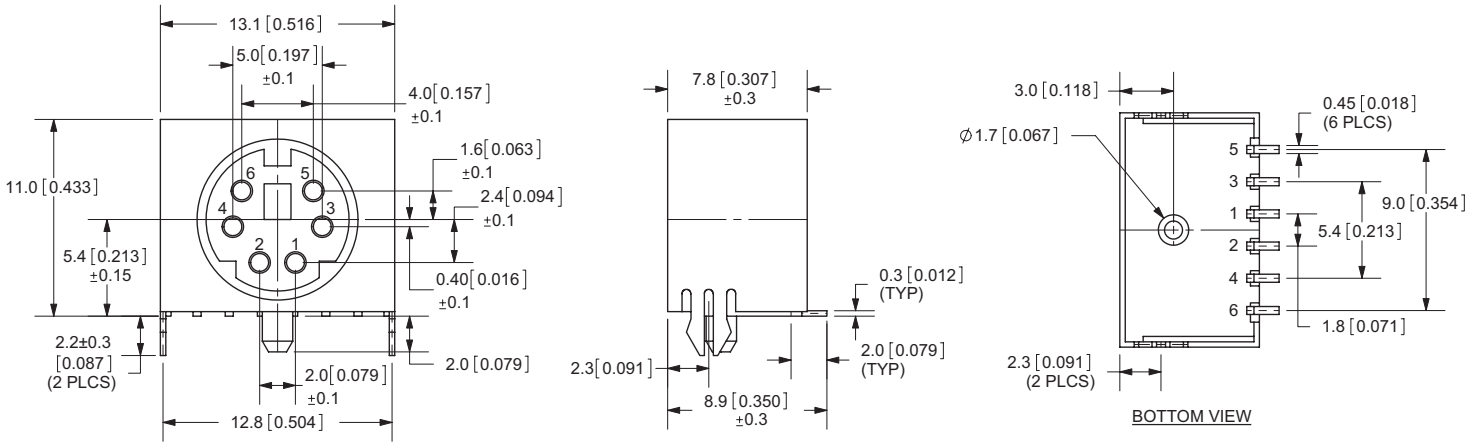
| parameter             | conditions/description  | min | typ       | max    | units      |
|-----------------------|-------------------------|-----|-----------|--------|------------|
| rated input voltage   |                         |     | 100<br>12 |        | Vac<br>Vdc |
| rated input current   | 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       |                         |     |           | 4.5    | kg         |
| withdrawal force      |                         | 0.8 |           | 3.5    | kg         |
| operating temperature |                         | -25 |           | 85     | °C         |
| life                  |                         |     | 1,000     |        | cycles     |
| flammability rating   | UL94V-0                 |     |           |        |            |
| RoHS                  | 2011/65/EU              |     |           |        |            |

## MECHANICAL DRAWINGS

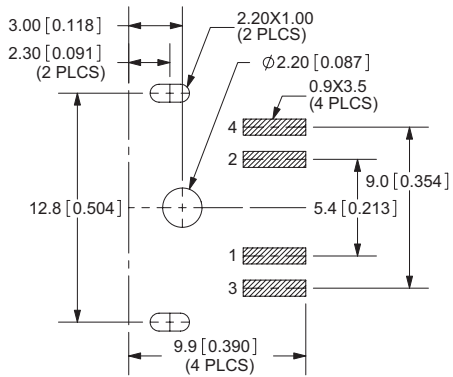
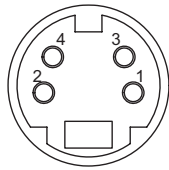
units: mm[inches]  
 TOLERANCE: X.X ±0.2mm  
 PCB Layout: ±0.05mm



|                         | MATERIAL        | PLATING |
|-------------------------|-----------------|---------|
| earth terminal          | brass           | tin     |
| contact terminals (1~6) | phosphor bronze | silver  |
| housing                 | LCP             |         |

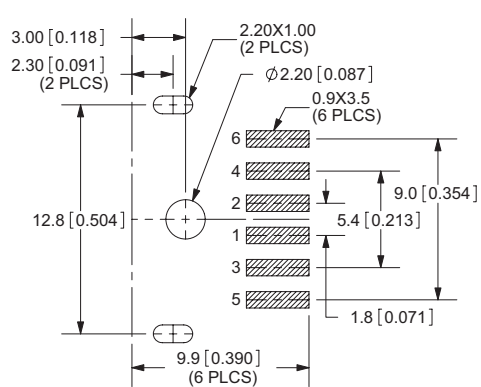
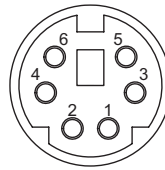


### MD2-40ST-SMT



PCB LAYOUT TOP VIEW

### MD2-60ST-SMT



PCB LAYOUT TOP VIEW

## REVISION HISTORY

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| rev. | description          | date       |
|------|----------------------|------------|
| 1.0  | initial release      | 02/23/2006 |
| 1.01 | new template applied | 02/09/2012 |
| 1.02 | updated datasheet    | 08/25/2017 |

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



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