

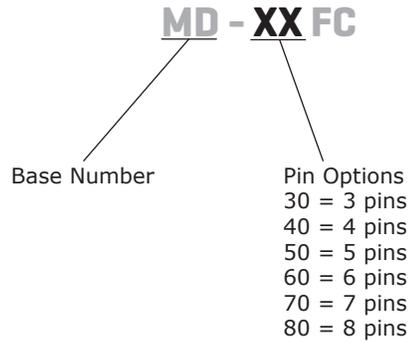
**SERIES:** MD-FC | **DESCRIPTION:** MINI DIN CONNECTOR

**FEATURES**

- PCB mount
- fully shielded
- right angle
- ground tabs
- ferrite filter



**PART NUMBER KEY**



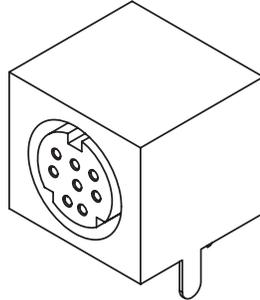
**SPECIFICATIONS**

| 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        |
| ferrite performance   | at 25 MHz<br>at 100 MHz | 13<br>27 |           |        | Ω<br>Ω     |
| 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              |          |           |        |            |

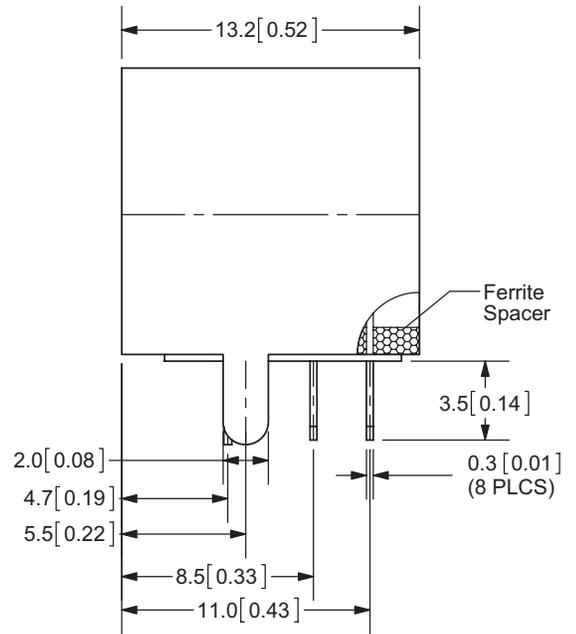
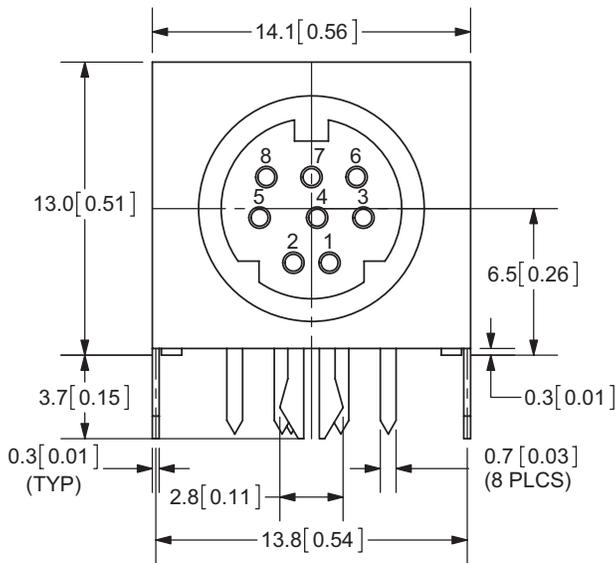
## MECHANICAL DRAWINGS

units: mm[inches]

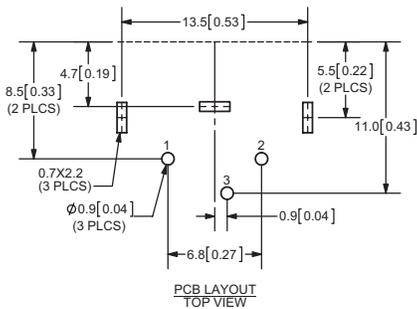
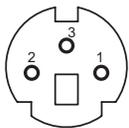
TOLERANCE: ±0.2mm



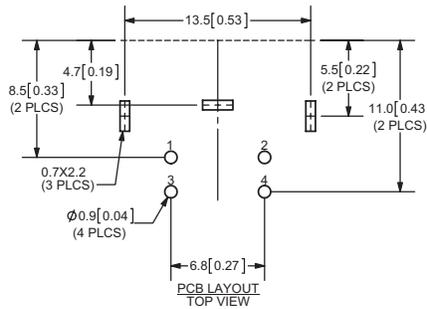
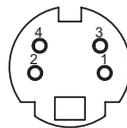
|                         | MATERIAL        | PLATING |
|-------------------------|-----------------|---------|
| earth terminal          | brass           | tin     |
| contact terminals (1~8) | phosphor bronze | silver  |
| plastic                 | PBT             |         |
| spacer                  | ferrite         |         |



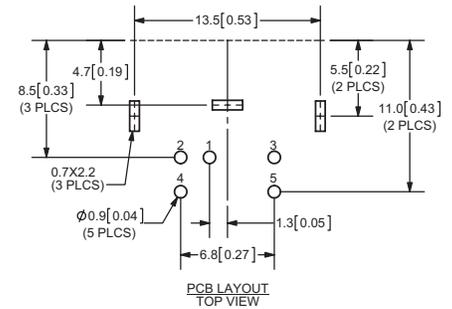
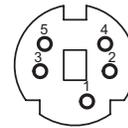
### MD-30FC



### MD-40FC

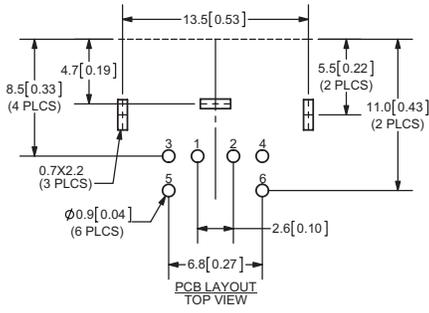
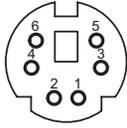


### MD-50FC

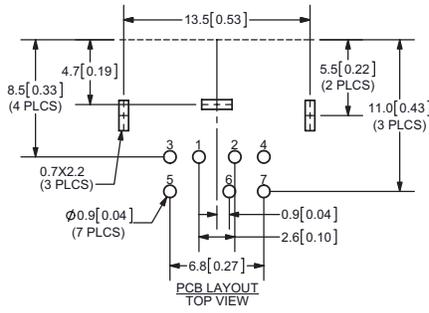
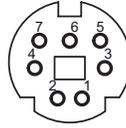


## MECHANICAL DRAWINGS (CONTINUED)

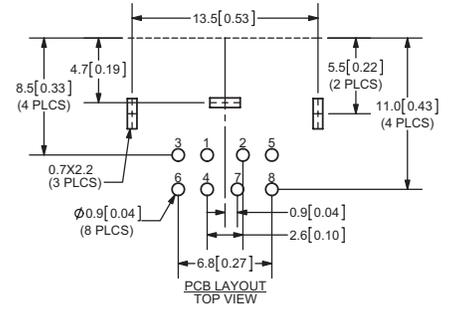
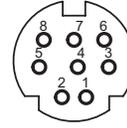
**MD-60FC**



**MD-70FC**



**MD-80FC**



## REVISION HISTORY

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| rev. | description                             | date       |
|------|---|------------|
| 1.0  | initial release                         | 03/12/2012 |
| 1.01 | updated spec, added ferrite performance | 07/23/2013 |
| 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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