

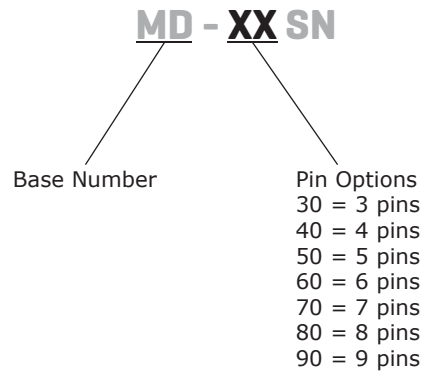
**SERIES:** MD-XXSN | **DESCRIPTION:** MINI DIN CONNECTOR

**FEATURES**

- vertical
- panel mount
- thin metal mounting ears



**PART NUMBER KEY**



**SPECIFICATIONS**

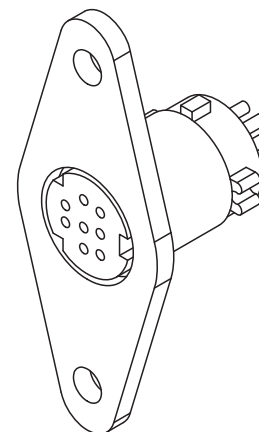
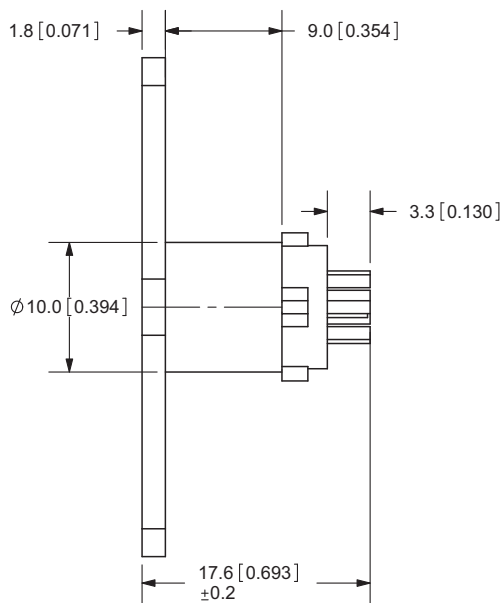
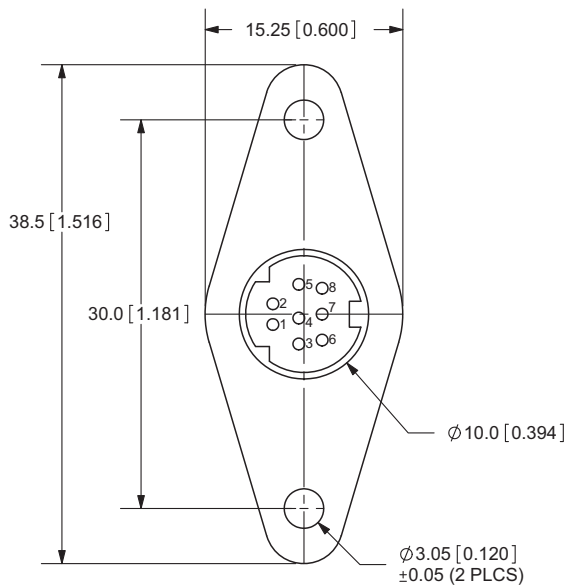
| parameter             | conditions/description  | min | typ       | max    | units      |
|-----------------------|-------------------------|-----|-----------|--------|------------|
| rated input voltage   |                         |     | 100<br>12 |        | Vac<br>Vdc |
| rated input current   | 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         |
| withdrawl force       |                         | 0.9 |           | 3      | kg         |
| operating temperature |                         | -20 |           | 105    | °C         |
| life                  |                         |     | 4,000     |        | cycles     |

## MECHANICAL DRAWINGS

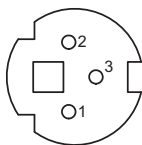
units: mm[inches]

TOLERANCE: ±0.1mm

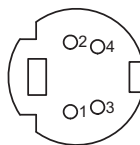
|                         | MATERIAL        | PLATING |
|-------------------------|-----------------|---------|
| shell (30~80)           | iron            | nickel  |
| shell (90)              | brass           | nickel  |
| contact terminals (1~9) | phosphor bronze | silver  |
| plastic                 | nylon + fiber   |         |



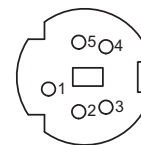
### MD-30SN



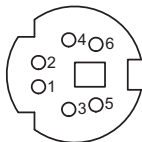
### MD-40SN



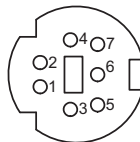
### MD-50SN



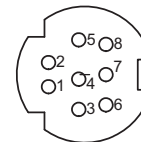
### MD-60SN



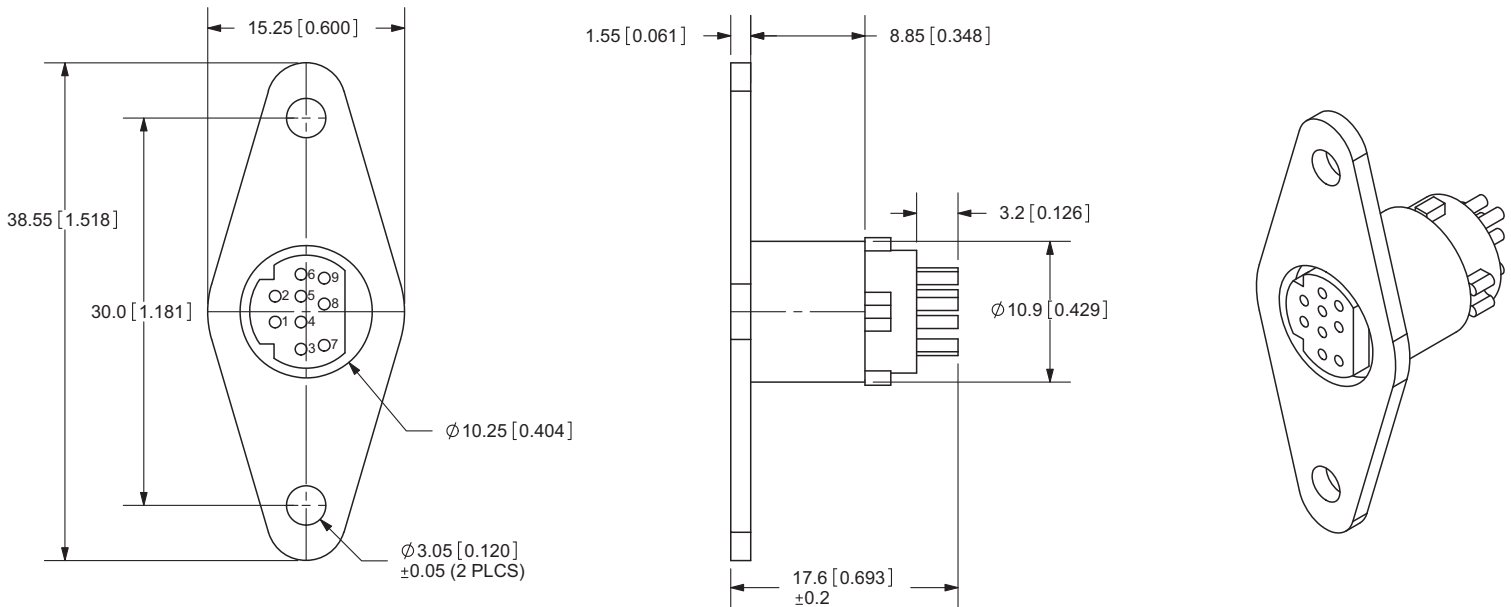
### MD-70SN



### MD-80SN



**MD-90SN**



**REVISION HISTORY**

| rev. | description          | date       |
|------|----------------------|------------|
| 1.0  | initial release      | 04/07/2006 |
| 1.01 | new template applied | 05/02/2012 |
| 1.02 | housing updates      | 05/04/2012 |

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



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