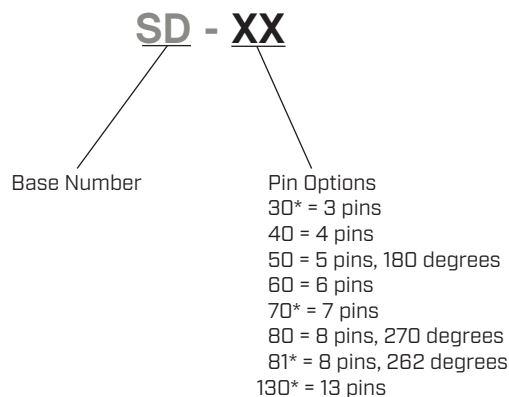


**SERIES:** SD | **DESCRIPTION:** STANDARD DIN CONNECTOR

**FEATURES**

- strain relief
- 3-13 pins
- 100 Vac rated


**PART NUMBER KEY**


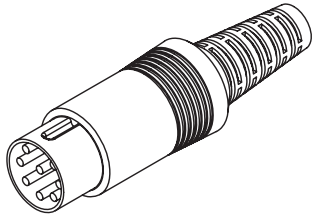
Note: \*. Discontinued SD-30, SD-70- SD-81, & SD-130 models.

**SPECIFICATIONS**

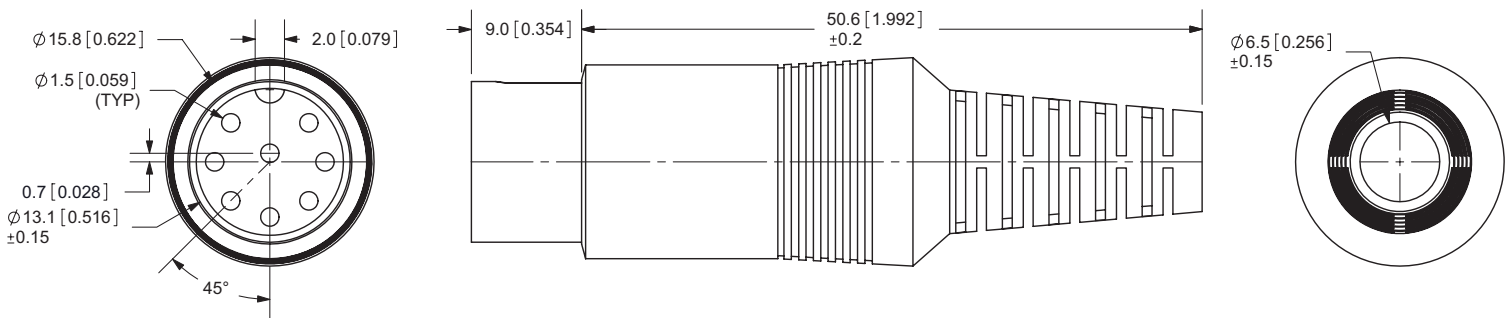
| parameter             | conditions/description  | min | typ       | max    | units      |
|-----------------------|-------------------------|-----|-----------|--------|------------|
| rated input voltage   |                         |     | 100<br>12 |        | Vac<br>Vdc |
| rated input current   | at 100 Vac<br>at 12 Vdc |     |           | 1<br>2 | A<br>A     |
| contact resistance    |                         |     |           | 30     | mΩ         |
| insulation resistance | at 500 Vdc              | 100 |           |        | MΩ         |
| voltage withstand     | for 1 minute            |     |           | 1,000  | Vac        |
| insertion force       |                         |     |           | 4      | kg         |
| withdrawal force      |                         | 1   |           | 3.5    | kg         |
| operating temperature |                         | 5   |           | 70     | °C         |
| life                  |                         |     | 5,000     |        | cycles     |
| RoHS                  | yes                     |     |           |        |            |

## MECHANICAL DRAWINGS

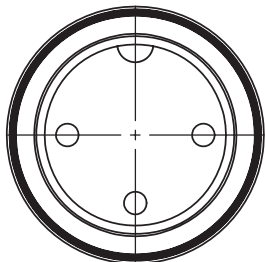
units: mm[inches]  
tolerance: ±0.1 mm



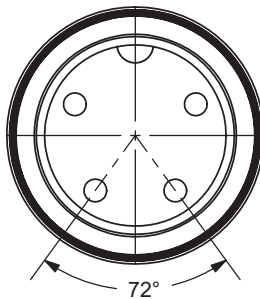
|                        | MATERIAL | PLATING |
|------------------------|----------|---------|
| contact pins (30-80)   | brass    | nickel  |
| contact pins (81, 130) | brass    | silver  |
| shell                  | steel    | nickel  |
| insulator (30-80, 130) | PBT      |         |
| insulator (81)         | ABS      |         |
| boot                   | EVA      |         |



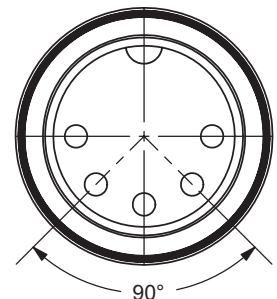
**SD-30**



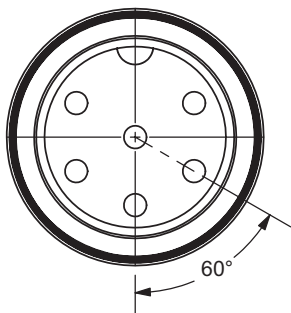
**SD-40**



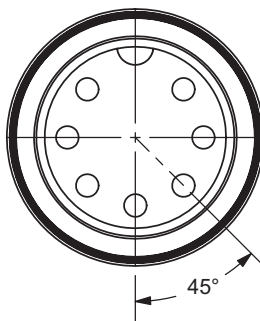
**SD-50**



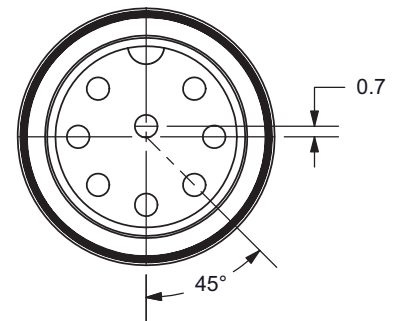
**SD-60**



**SD-70**

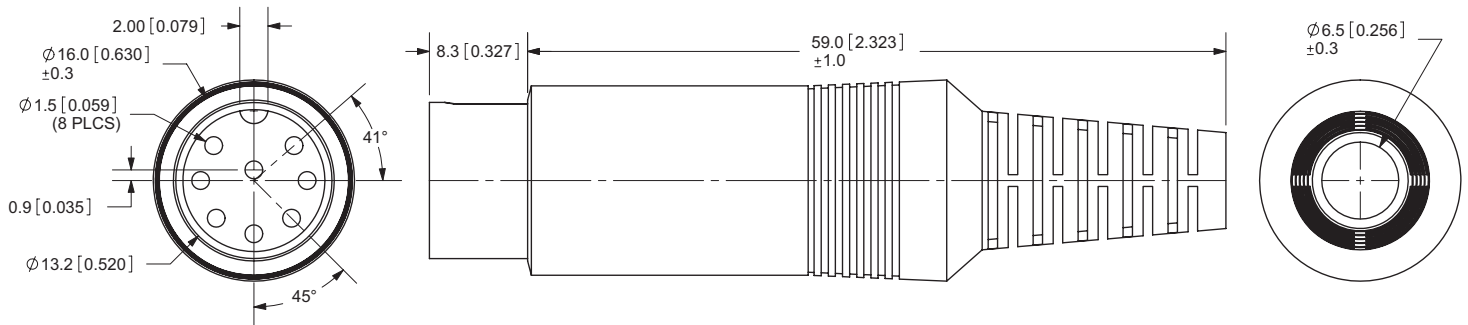
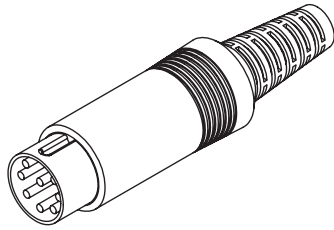


**SD-80**

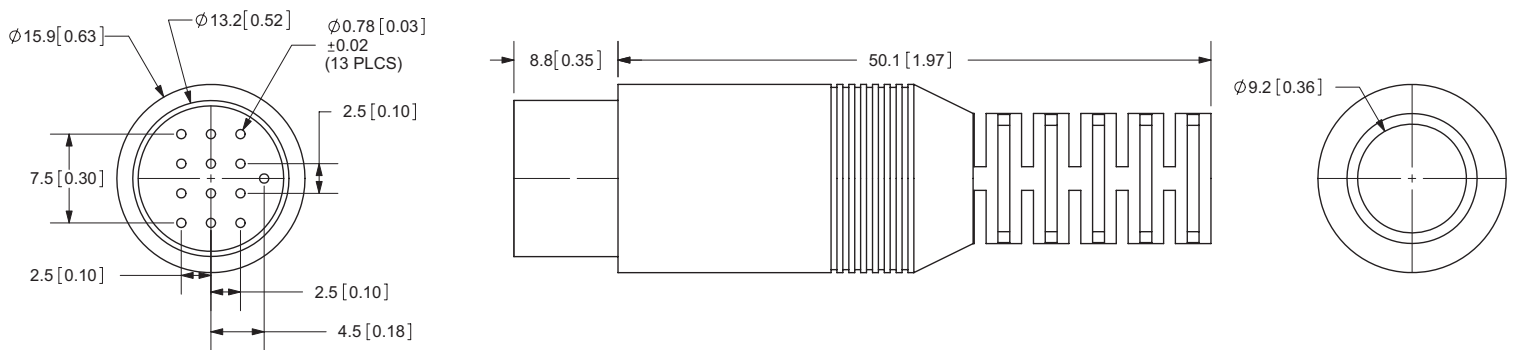
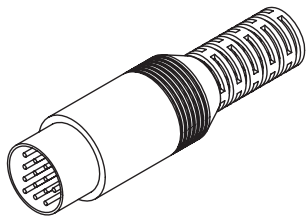


units: mm[inches]  
tolerance: ±0.1 mm



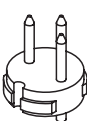
### SD-81

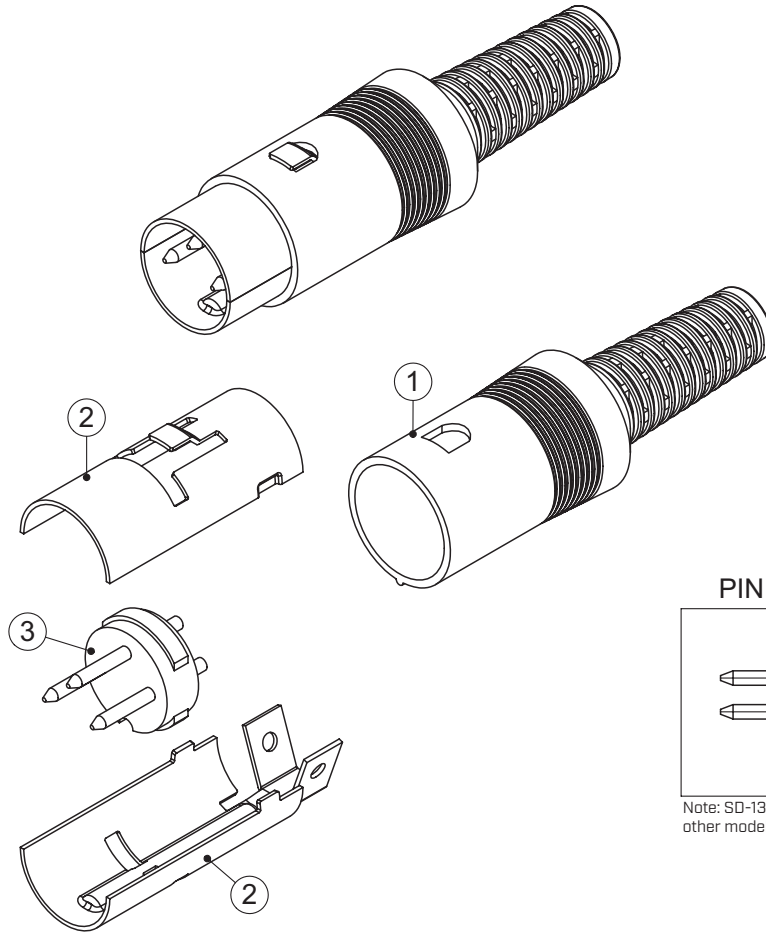


### SD-130

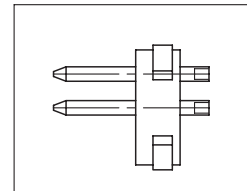


## MECHANICAL ASSEMBLY

|   |              |  |
|---|--------------|--|
| 1 | cover        |   |
| 2 | metal shield |   |
| 3 | housing      |  |

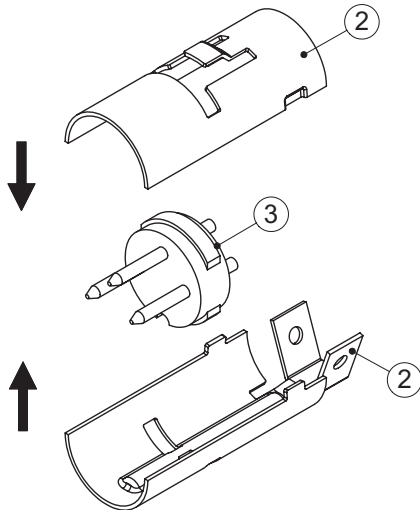


### PIN DETAILS

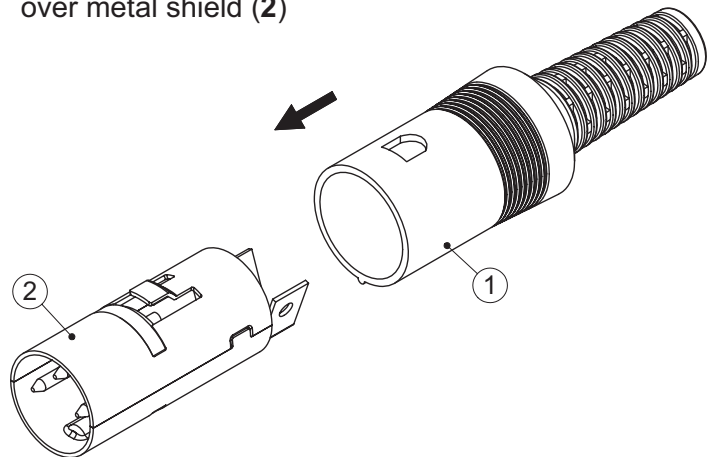


Note: SD-130 has solid solder pins. All other models have solder cups.

**STEP 1**  
solder wires to  
housing (3),  
assemble metal  
shield pieces (2)  
onto housing (3)



**STEP 2**  
slide cover (1)  
over metal shield (2)



## REVISION HISTORY

| rev. | description                               | date       |
|------|---|------------|
| 1.0  | initial release                           | 02/23/2006 |
| 1.01 | new template applied                      | 02/15/2012 |
| 1.02 | updated housings                          | 04/12/2012 |
| 1.03 | corrected center pin positioning on SD-80 | 09/13/2013 |
| 1.04 | updated datasheet                         | 05/22/2017 |
| 1.05 | updated datasheet                         | 10/16/2018 |
| 1.06 | brand update                              | 02/19/2020 |
| 1.07 | logo, datasheet style update              | 08/05/2022 |
| 1.08 | discontinued model SD-30                  | 09/26/2022 |
| 1.09 | discontinued model SD-70                  | 01/10/2023 |
| 1.10 | discontinued model SD-81                  | 02/08/2023 |
| 1.11 | discontinued model SD-130                 | 04/19/2023 |

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



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