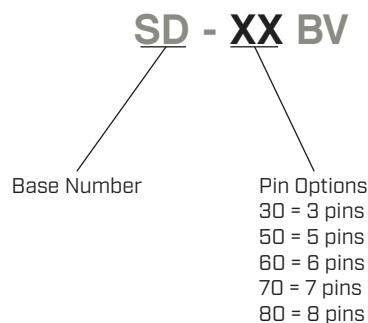


**SERIES:** SD-BV | **DESCRIPTION:** STANDARD DIN CONNECTOR

**FEATURES**

- PCB mount
- vertical
- shielded

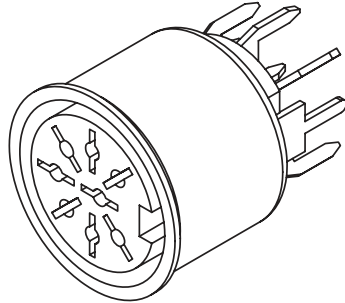

**PART NUMBER KEY**

**SPECIFICATIONS**

| parameter                  | conditions/description         | min | typ   | max | units  |
|----------------------------|--------------------------------|-----|-------|-----|--------|
| rated input voltage        |                                |     | 24    |     | Vdc    |
| rated input current        |                                |     |       | 1   | A      |
| contact resistance         |                                |     |       | 30  | mΩ     |
| insulation resistance      | at 500 Vdc                     | 100 |       |     | MΩ     |
| voltage withstand          | 50/60 Hz at 0.5 A for 1 minute |     |       | 500 | Vac    |
| insertion/withdrawal force |                                | 0.5 |       | 5.5 | kg     |
| operating temperature      |                                | -20 |       | 60  | °C     |
| storage temperature        |                                | -25 |       | 70  | °C     |
| life                       |                                |     | 5,000 |     | cycles |
| flammability rating        | UL94V-0                        |     |       |     |        |
| RoHS                       | yes                            |     |       |     |        |

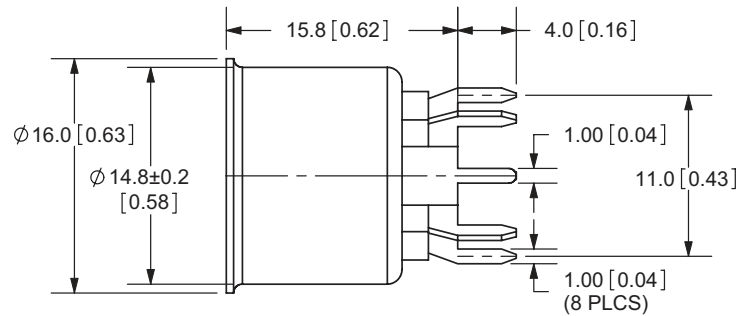
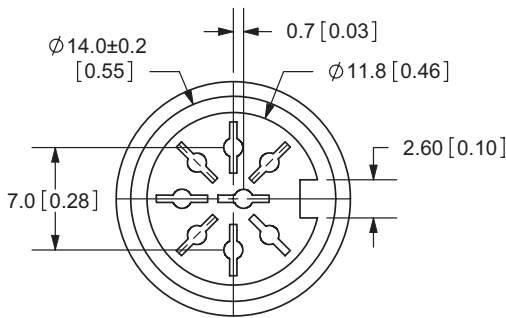
## MECHANICAL DRAWINGS

units: mm[inches]

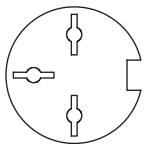
TOLERANCE: ±0.5mm



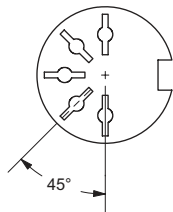
|                         | MATERIAL     | PLATING |
|-------------------------|--------------|---------|
| contact terminals (1-8) | brass        | tin     |
| sleeve                  | PBS          | tin     |
| cover                   | iron sheet   | nickel  |
| mouth bushing           | PBT-94VD G15 |         |



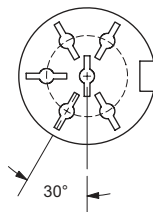
### SD-30BV



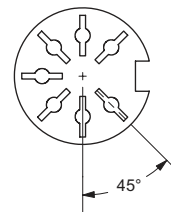
### SD-50BV



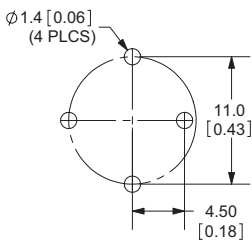
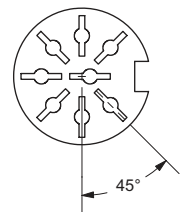
### SD-60BV



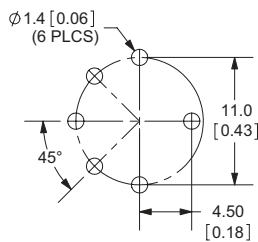
### SD-70BV



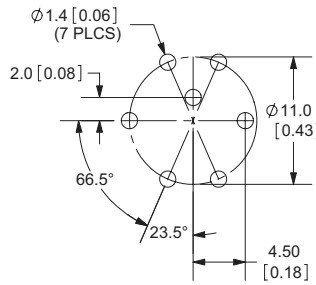
### SD-80BV



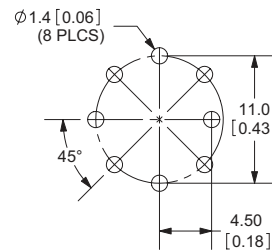
PCB LAYOUT FRONT VIEW



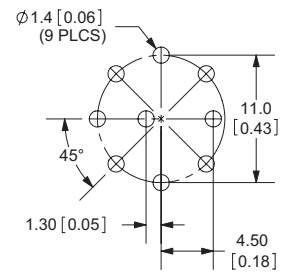
PCB LAYOUT FRONT VIEW



PCB LAYOUT FRONT VIEW



PCB LAYOUT FRONT VIEW



PCB LAYOUT FRONT VIEW

## REVISION HISTORY

| rev. | description                     | date       |
|------|---------------------------------|------------|
| 1.0  | initial release                 | 02/23/2006 |
| 1.01 | new template applied            | 02/10/2012 |
| 1.02 | terminal plating changed to tin | 01/12/2016 |
| 1.03 | updated datasheet               | 09/01/2017 |
| 1.04 | brand update                    | 02/19/2020 |
| 1.05 | logo, datasheet style update    | 08/05/2022 |

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



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