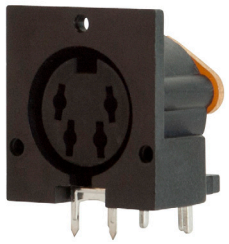
# SERIES: SDS-J | DESCRIPTION: STANDARD DIN CONNECTOR

**FEATURES**
- PCB mount
- right angle orientation
- 3~8, 13 pins



## PART NUMBER KEY

SDS - XX J

Base Number

Pin Options
30 = 3 pins
40 = 4 pins
50 = 5 pins, 180 degrees
60 = 6 pins
70 = 7 pins
80 = 8 pins
SDD-130J = 13 pins

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | all models<br>130 model<br>all other models | | 100<br>12<br>24 | | Vac<br>Vdc<br>Vdc |
| rated input current | 130 model, at 100 Vac<br>all other models, at 100 Vac<br>130 model, at 12 Vdc<br>all other models, at 24 Vdc | | | 1<br>2<br>2<br>1 | A<br>A<br>A<br>A |
| contact resistance | | | | 20 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion force | 130 model<br>all other models | | | 3<br>5 | kg<br>kg |
| withdrawal force | 40 model<br>130 model<br>all other models | 0.6<br>0.5<br>1 | | 3<br>2<br>3.5 | kg<br>kg<br>kg |
| operating temperature | | -40 | | 85 | °C |
| life | | | 1,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | 2011/65/EU | | | | |

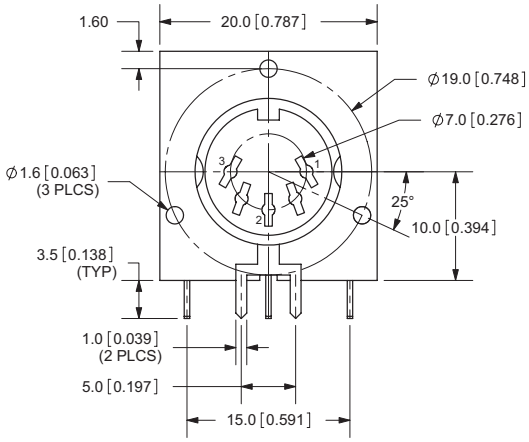
## MECHANICAL DRAWINGS

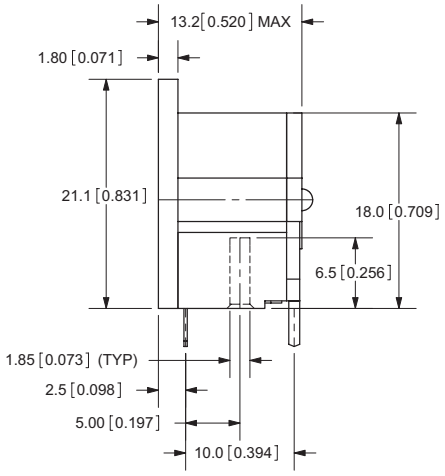
units: mm[inches]

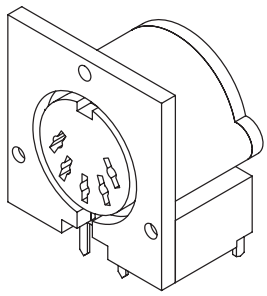
TOLERANCE: ±0.2mm

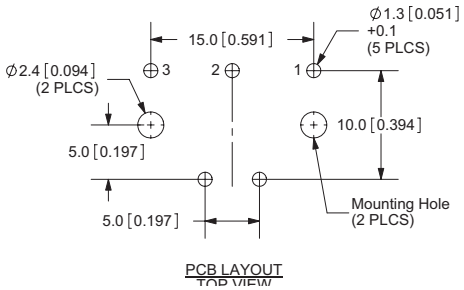
| | MATERIAL | PLATING |
|---|---|---|
| earth terminal (30~80) | phosphor bronze | tin |
| earth terminal (130) | phosphor bronze | silver |
| contact terminals (30~80) | brass | tin |
| contact terminals (130) | phosphor bronze | silver |
| plate (30~60) | bakelite | |
| plate (70, 80, 130) | N/A | |
| plastic | PBT | |

### SDS-30J



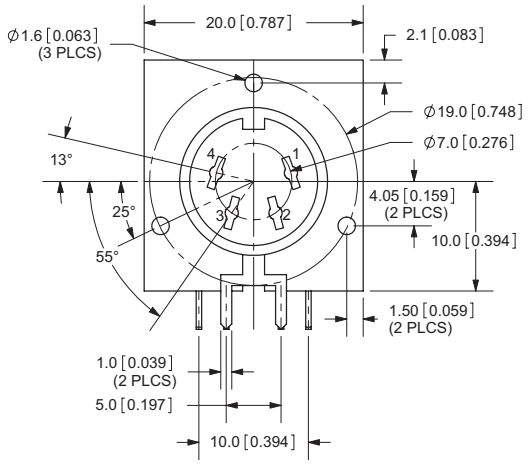



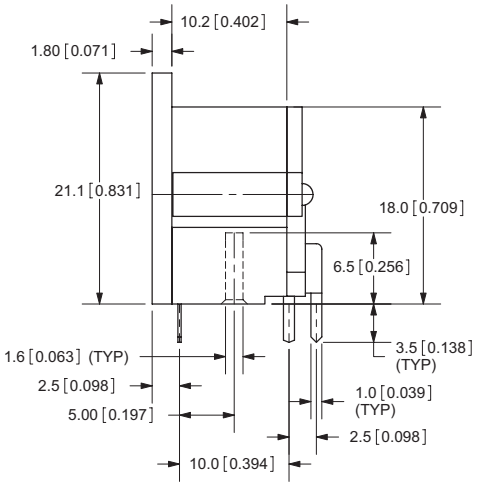


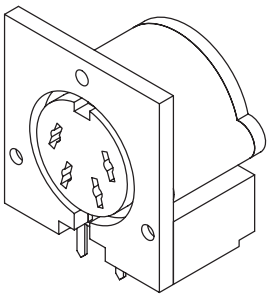

PCB LAYOUT
TOP VIEW

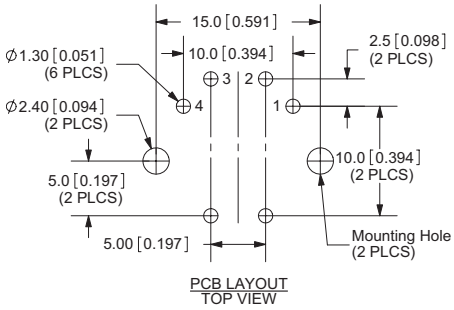
# MECHANICAL DRAWINGS (CONTINUED)

## SDS-40J

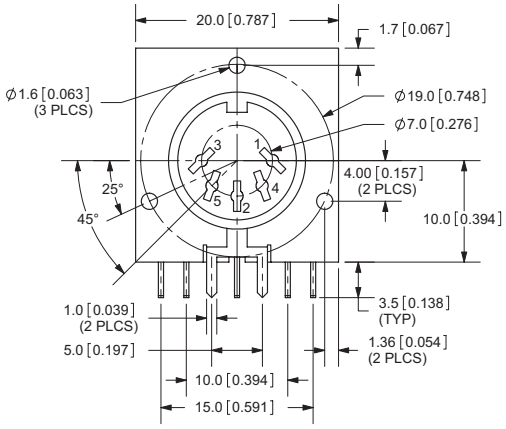


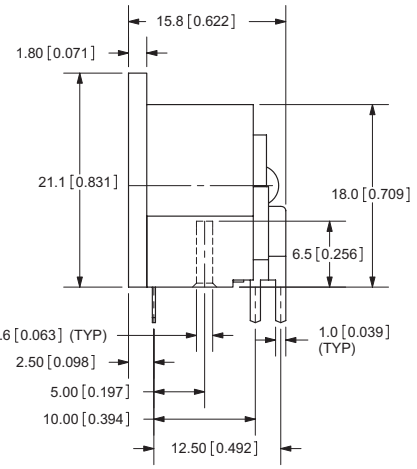



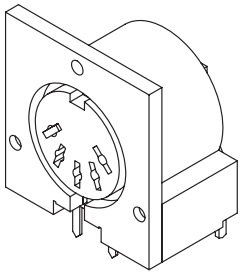



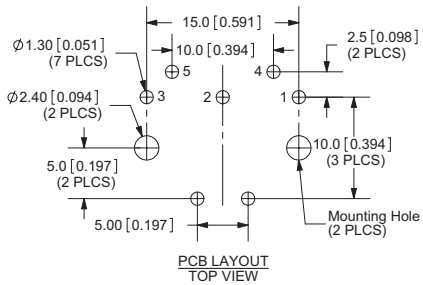



## SDS-50J



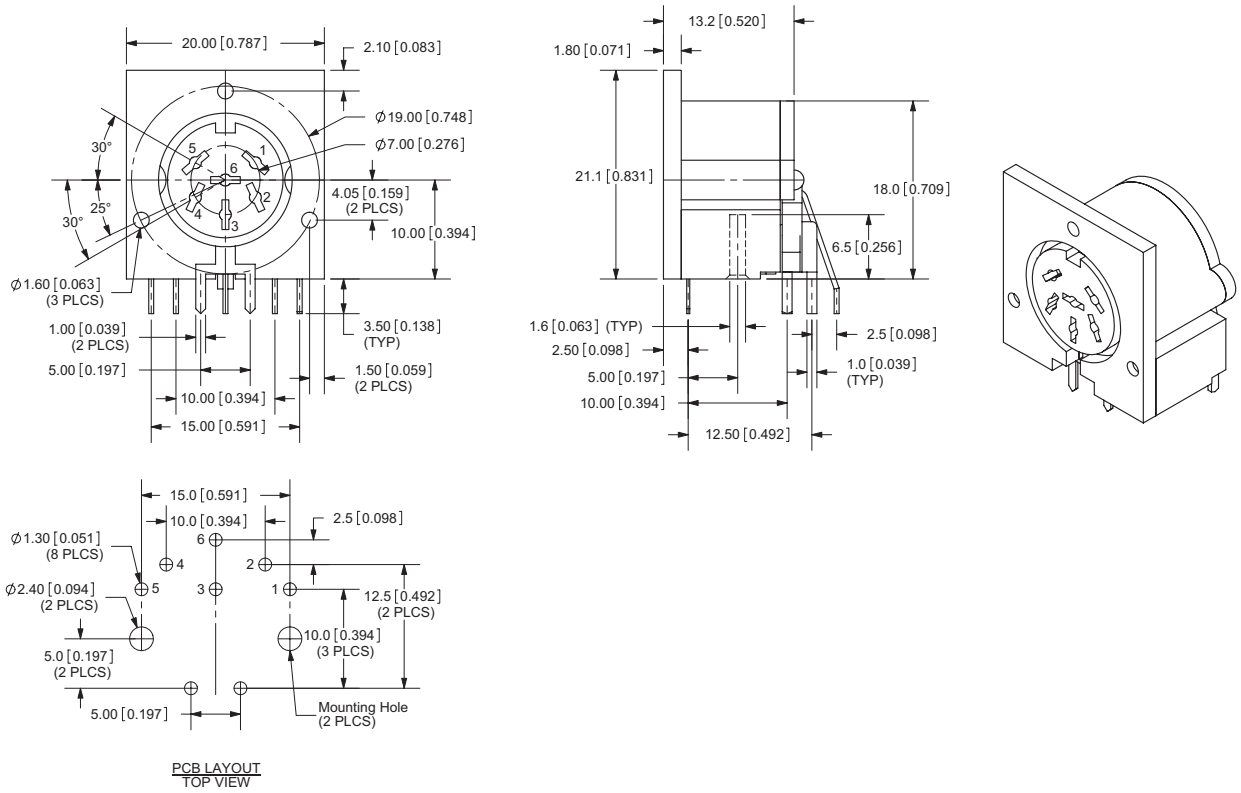



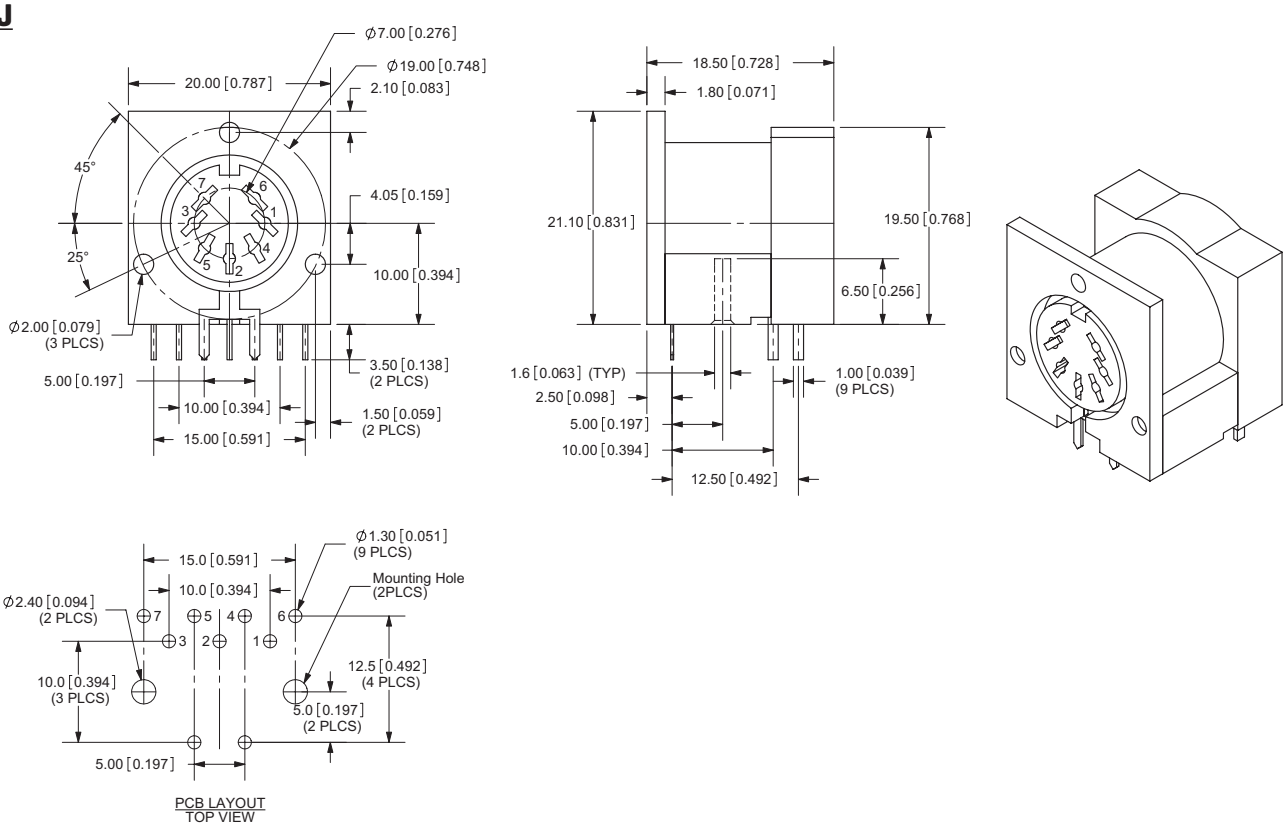


# MECHANICAL DRAWINGS (CONTINUED)

## SDS-60J

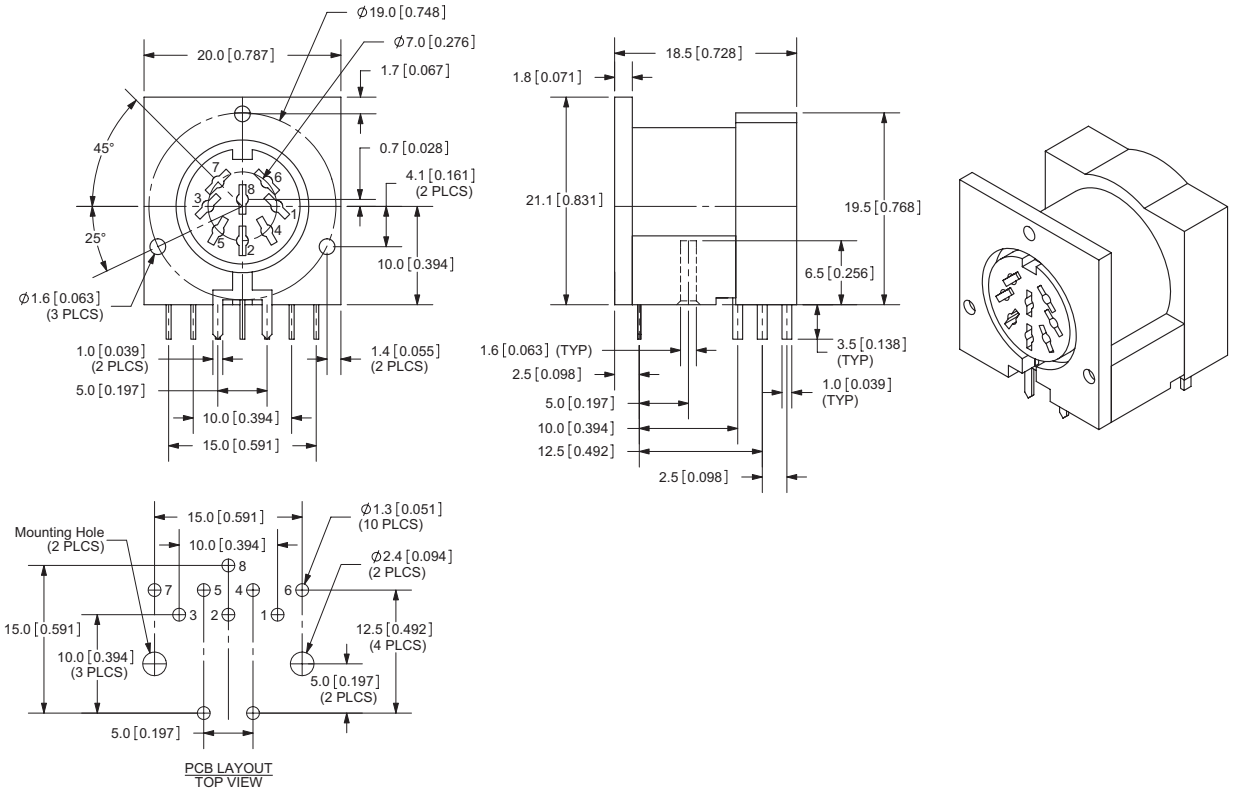



## SDS-70J

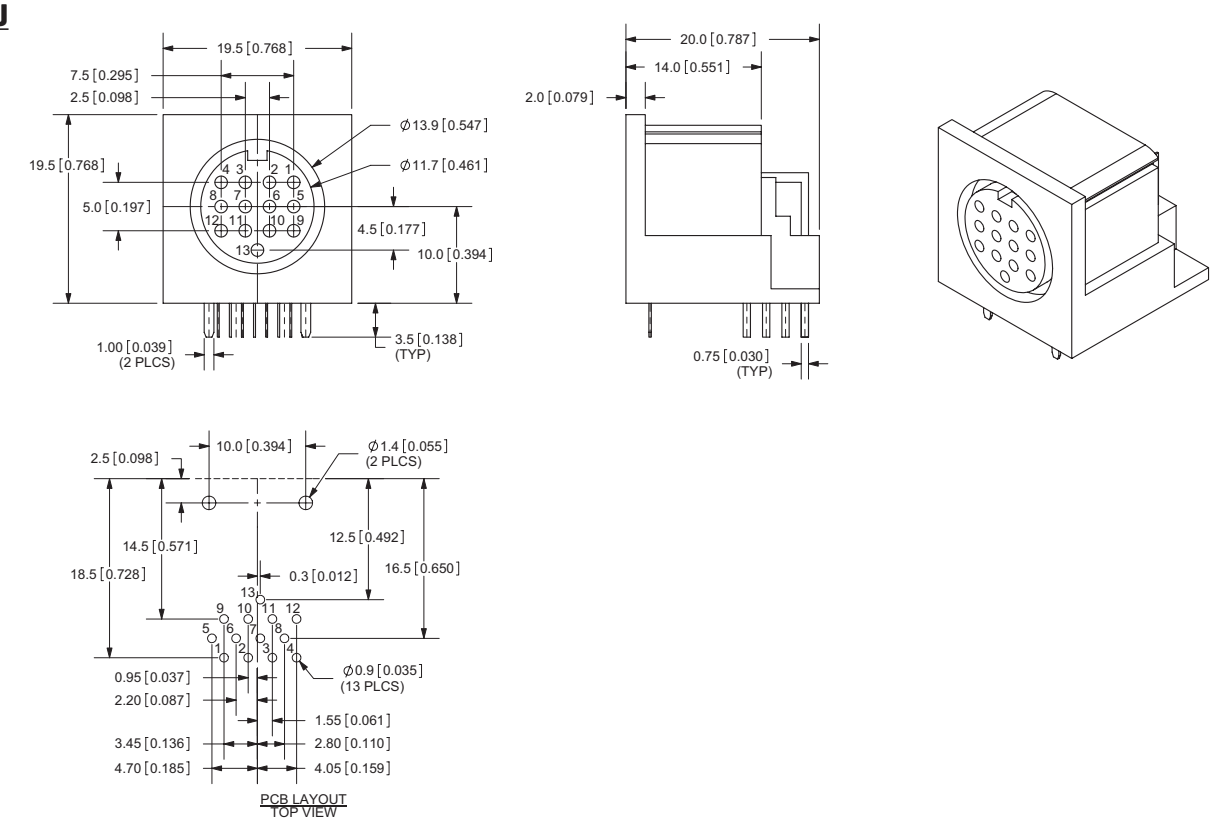


# MECHANICAL DRAWINGS (CONTINUED)

## SDS-80J




## SDD-130J



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 02/23/2006 |
| 1.01 | new template applied | 04/26/2012 |
| 1.02 | updated spec | 01/15/2014 |
| 1.03 | updated datasheet | 09/08/2017 |
| 1.04 | updated datasheet | 07/24/2018 |

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

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