

**MODEL:** PJ-040DH | **DESCRIPTION:** DC POWER JACK

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**FEATURES**

- 1.3 mm center pin
- 3.5 A rating
- right angle orientation
- through hole mount

**SPECIFICATIONS**

| parameter                  | conditions/description       | min | typ   | max | units  |
|----------------------------|------------------------------|-----|-------|-----|--------|
| rated input voltage        |                              |     | 24    |     | Vdc    |
| rated input current        |                              |     |       | 3.5 | A      |
| contact resistance         |                              |     |       | 50  | mΩ     |
| insulation resistance      | at 500 Vdc                   | 100 |       |     | MΩ     |
| voltage withstand          | for 1 minute                 |     |       | 500 | Vac    |
| insertion/withdrawal force |                              | 0.5 |       | 3   | kg     |
| terminal strength          | any direction for 10 seconds |     |       | 500 | g      |
| operating temperature      |                              | -25 |       | 85  | °C     |
| life                       |                              |     | 5,000 |     | cycles |
| flammability rating        | UL94V-0                      |     |       |     |        |
| RoHS                       | yes                          |     |       |     |        |

**SOLDERABILITY**

| parameter      | conditions/description                  | min | typ | max | units |
|----------------|-----------------------------------------|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 ±0.5 seconds | 255 | 260 | 265 | °C    |

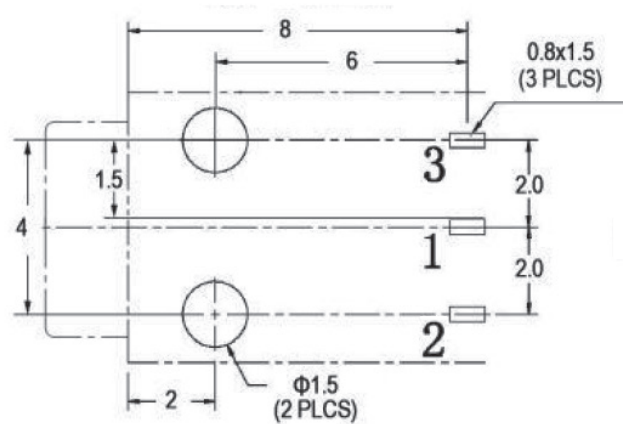
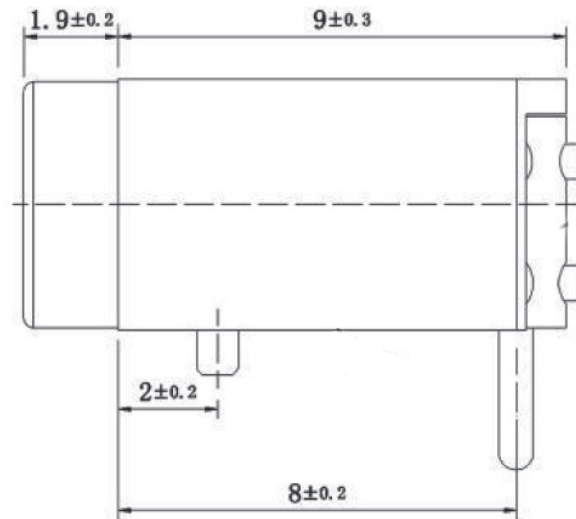
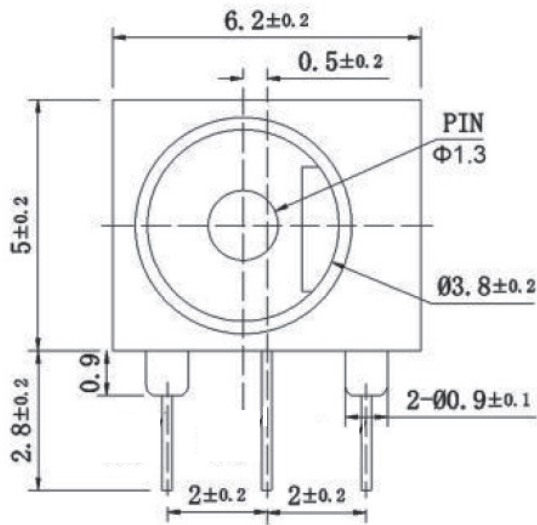
## MECHANICAL DRAWING

units: mm

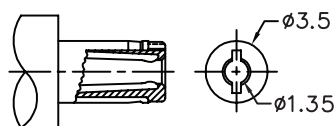
tolerance:

X,  $\pm 0.15$  mmX.X  $\pm 0.10$  mmX.XX  $\pm 0.05$  mmPCB:  $\pm 0.05$  mm

unless otherwise specified



Recommended PCB Layout  
Top View



MATING PLUG  
Jack Insertion Depth: 8.0 mm

| DESCRIPTION | MATERIAL      | PLATING/COLOR |
|-------------|---------------|---------------|
| center pin  | brass         | silver        |
| terminal 1  | brass t=0.25  | silver        |
| terminal 2  | brass t=0.25  | silver        |
| terminal 3  | brass t=0.25  | silver        |
| housing     | PBT (UL94V-0) | black         |

|            |          |
|------------|----------|
| SCHEMATIC  |          |
| Model      | PJ-040DH |
| Center Pin | Ø1.3 mm  |

## REVISION HISTORY

| rev. | description                                                                                   | date       |
|------|-----------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                               | 07/30/2007 |
| 1.01 | added pin dimension                                                                           | 06/11/2008 |
| 1.02 | applied new spec template                                                                     | 07/13/2015 |
| 1.03 | increased voltage rating                                                                      | 05/03/2016 |
| 1.04 | brand update                                                                                  | 10/24/2019 |
| 1.05 | logo, datasheet style update                                                                  | 08/05/2022 |
| 1.06 | product reengineered for improved manufacturability and production yield, see PCN for details | 12/15/2022 |

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



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