

MODEL: PJ-038AH | **DESCRIPTION:** DC POWER JACK

FEATURES

- 2.0 mm center pin
- 5.0 A rating
- right angle orientation
- panel mount with tabs and 2.5 mm screw holes

**SPECIFICATIONS**

| parameter | conditions/description | min | typ | max | units |
|----------------------------|------------------------------|-----|-------|-----|--------|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 5.0 | A |
| contact resistance | | | | 30 | mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.3 | | 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 ±5 seconds | 255 | 260 | 265 | °C |
| hand soldering | for 3~4 seconds | 340 | 350 | 360 | °C |

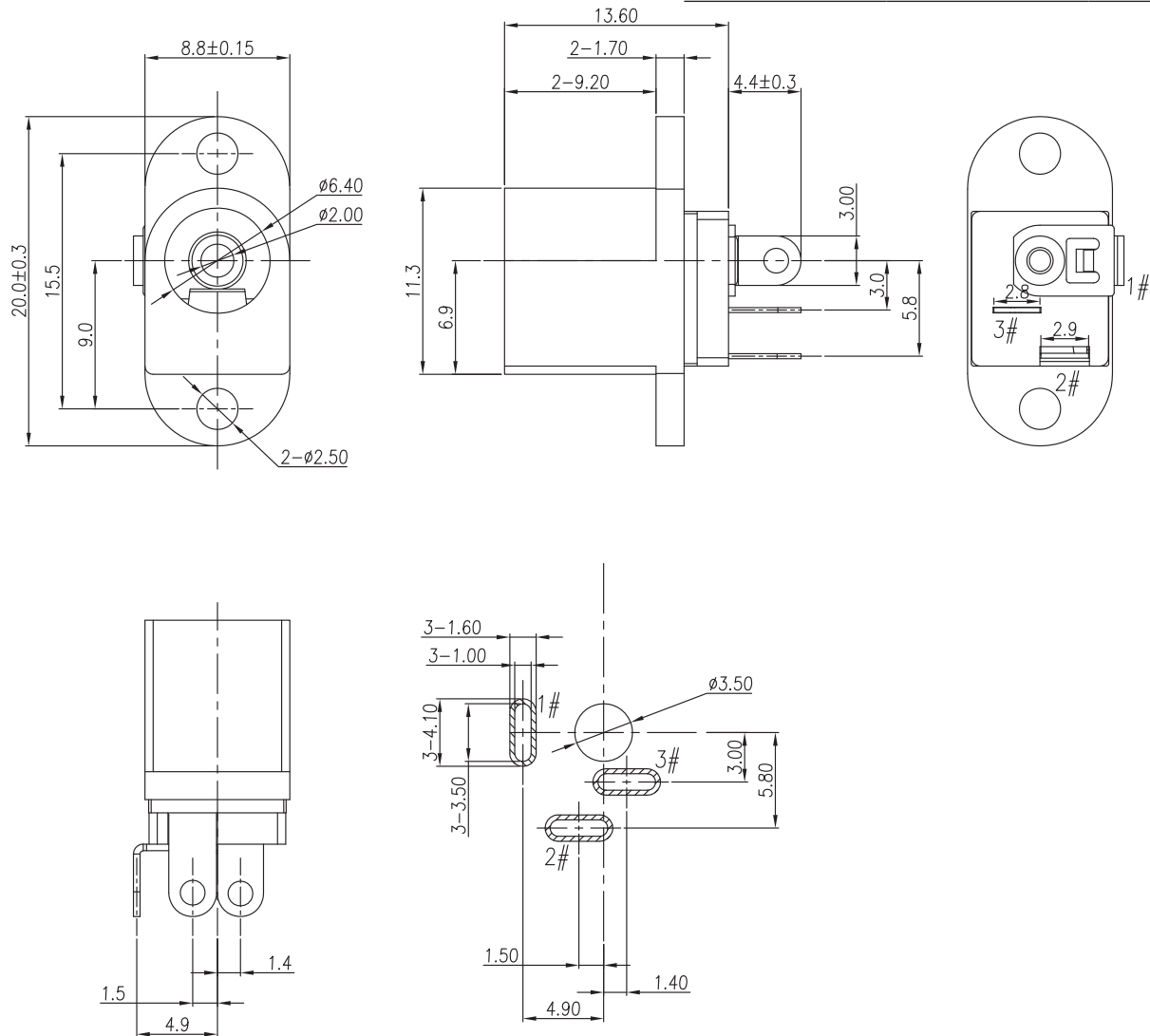
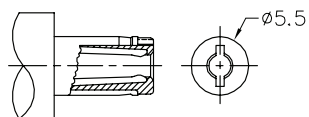
MECHANICAL DRAWING

units: mm

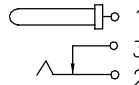
tolerance:

X, ± 0.50 mmX.X ± 0.30 mmX.XX ± 0.20 mmPCB: ± 0.05 mm

unless otherwise specified

Recommended PCB Layout
Top ViewMATING PLUG
Jack Insertion Depth: 8.7 mm

| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|---------------|---------------|
| center pin | copper | nickel |
| terminal 1 | brass | silver |
| terminal 2 | copper alloy | silver |
| terminal 3 | brass | silver |
| cover | PBT [UL94V-0] | black |
| housing | PBT [UL94V-0] | black |

| | |
|------------|---|
| SCHEMATIC |  |
| Model | PJ-038AH |
| Center Pin | $\phi 2.0$ mm |

REVISION HISTORY

| rev. | description | date |
|------|---|------------|
| 1.0 | initial release | 07/30/2007 |
| 1.01 | applied new spec template | 01/22/2014 |
| 1.02 | increased voltage rating | 04/08/2016 |
| 1.03 | brand update | 11/06/2019 |
| 1.04 | modified housing mold | 09/24/2020 |
| 1.05 | logo, datasheet style update | 08/05/2022 |
| 1.06 | product reengineered for improved manufacturability and production yield, see PCN for details | 10/09/2023 |

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



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