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# MODEL: PJ-054H | DESCRIPTION: DC POWER JACK

#### **FEATURES**

- 1.65 mm center pin
- 5.0 A rating
- low profile
- right angle orientation
- through hole





#### **SPECIFICATIONS**

| parameter                  | conditions/description | min | typ   | max | units  |
|----------------------------|------------------------|-----|-------|-----|--------|
| rated input voltage        |                        |     | 24    |     | Vdc    |
| rated input current        |                        |     |       | 5   | Α      |
| contact resistance         |                        |     |       | 50  | mΩ     |
| insulation resistance      | at 250 Vdc             | 100 |       |     | МΩ     |
| voltage withstand          |                        |     |       | 500 | Vac    |
| insertion/withdrawal force |                        | 0.3 |       | 3   | kg     |
| operating temperature      |                        | -25 |       | 85  | °C     |
| storage temperature        |                        | -40 |       | 85  | °C     |
| life                       |                        |     | 5,000 |     | cycles |
| flammability rating        | UL94V-0                |     |       |     |        |
| RoHS                       | yes                    |     |       |     |        |

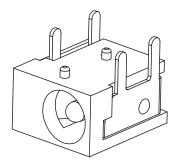
## **SOLDERABILITY**

| parameter      | conditions/description              | min | typ | max | units |
|----------------|-------------------------------------|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 10 seconds |     | 260 |     | °C    |

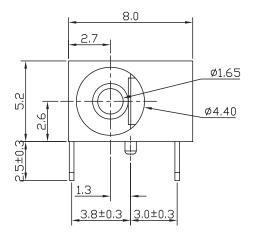
## **MECHANICAL DRAWING**

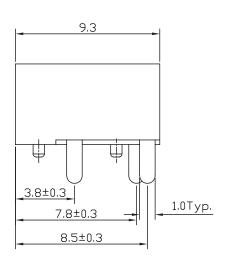
units: mm tolerance: ±0.20 mm PCB: ±0.05 mm

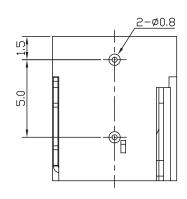
unless otherwise specified

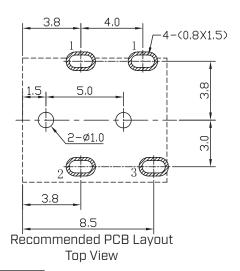


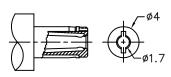
| DESCRIPTION | MATERIAL       | PLATING/COLOR |
|-------------|----------------|---------------|
| center pin  | H65 brass      | nickel        |
| terminal 1  | brass          | silver        |
| terminal 2  | bronze         | silver        |
| terminal 3  | brass          | silver        |
| housing     | PA9T (UL94V-0) | black         |
|             |                |               |











MATING PLUG Jack Insertion Depth: 6.1 mm

| SCHEMATIC  | ○ 1<br>○ 3<br>○ 2 |
|------------|-------------------|
| Model      | PJ-054H           |
| Center Pin | Ø1.65 mm          |

#### **REVISION HISTORY**

| rev. | description  | date       |  |
|------|--|------------|--|
| 1.0  | initial release  | 10/15/2014 |  |
| 1.01 | increased voltage rating   | 04/14/2016 |  |
| 1.02 | brand update   | 10/25/2019 |  |
| 1.03 | logo, datasheet style update   | 08/05/2022 |  |
| 1.04 | product reengineered for improved manufacturability and production yield, see<br>PCN for details | 12/19/2022 |  |

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



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