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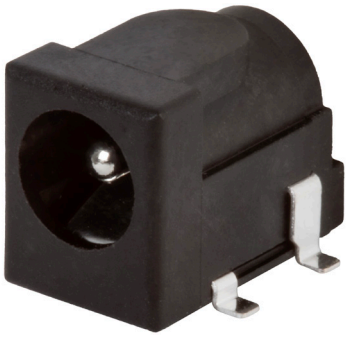
# MODEL: PJ-114AH-SMT-TR | DESCRIPTION: DC POWER JACK

## FEATURES

- 2.0 mm center pin
- reflow solder
- tape & reel packaging



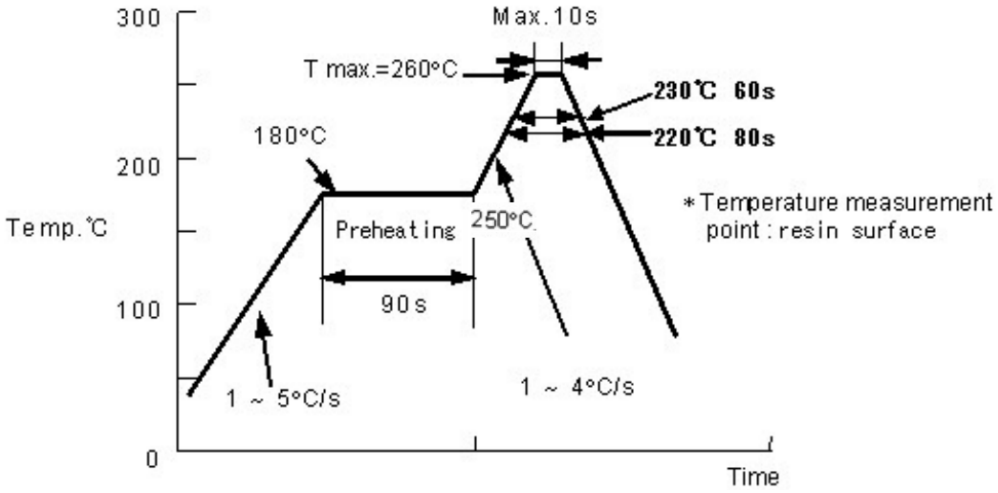
RoHS

## SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| rated input voltage | | | 20 | | Vdc |
| rated input current | | | | 5 | 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 |
| operating temperature | | -20 | | 70 | °C |
| storage temperature | | -40 | | 85 | °C |
| life | | | 5,000 | | cycles |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |

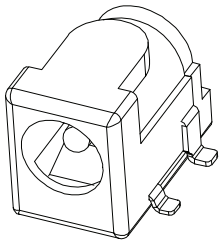
## SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reel storage | 5~35°C, <75% humidity | | | | °C |
| reflow soldering | see reflow profile | | | 260 | °C |
| drying conditions | bake at 120°C for 4 hours | | | | |

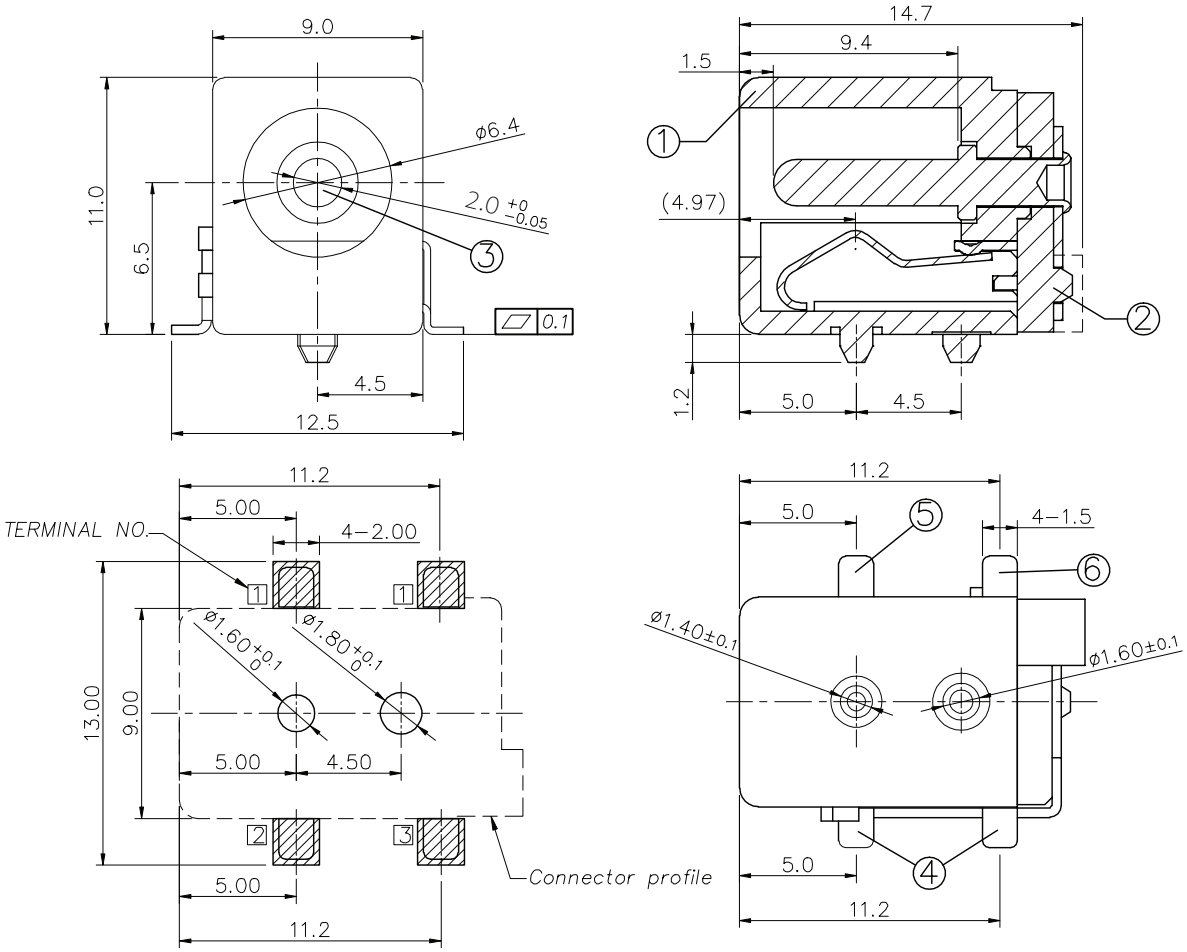


## MECHANICAL DRAWING

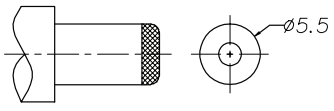
units: mm
tolerance:
X.X: ±0.50 mm
X.XX: ±0.30 mm
X.XXX: ±0.15 mm
PCB: ±0.05 mm
unless otherwise specified
PCB thickness: 1.6 mm



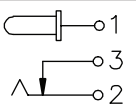
| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR |
|---|---|---|---|
| 1 | housing | PA10T (UL94V-0) | black |
| 2 | cover | PA10T (UL94V-0) | black |
| 3 | center pin | copper alloy | copper-tin alloy |
| 4 | terminal 1 | brass t=0.30 | silver |
| 5 | terminal 2 | copper alloy t=0.30 | silver |
| 6 | terminal 3 | brass t=0.30 | silver |




Recommended PCB Layout
Top View



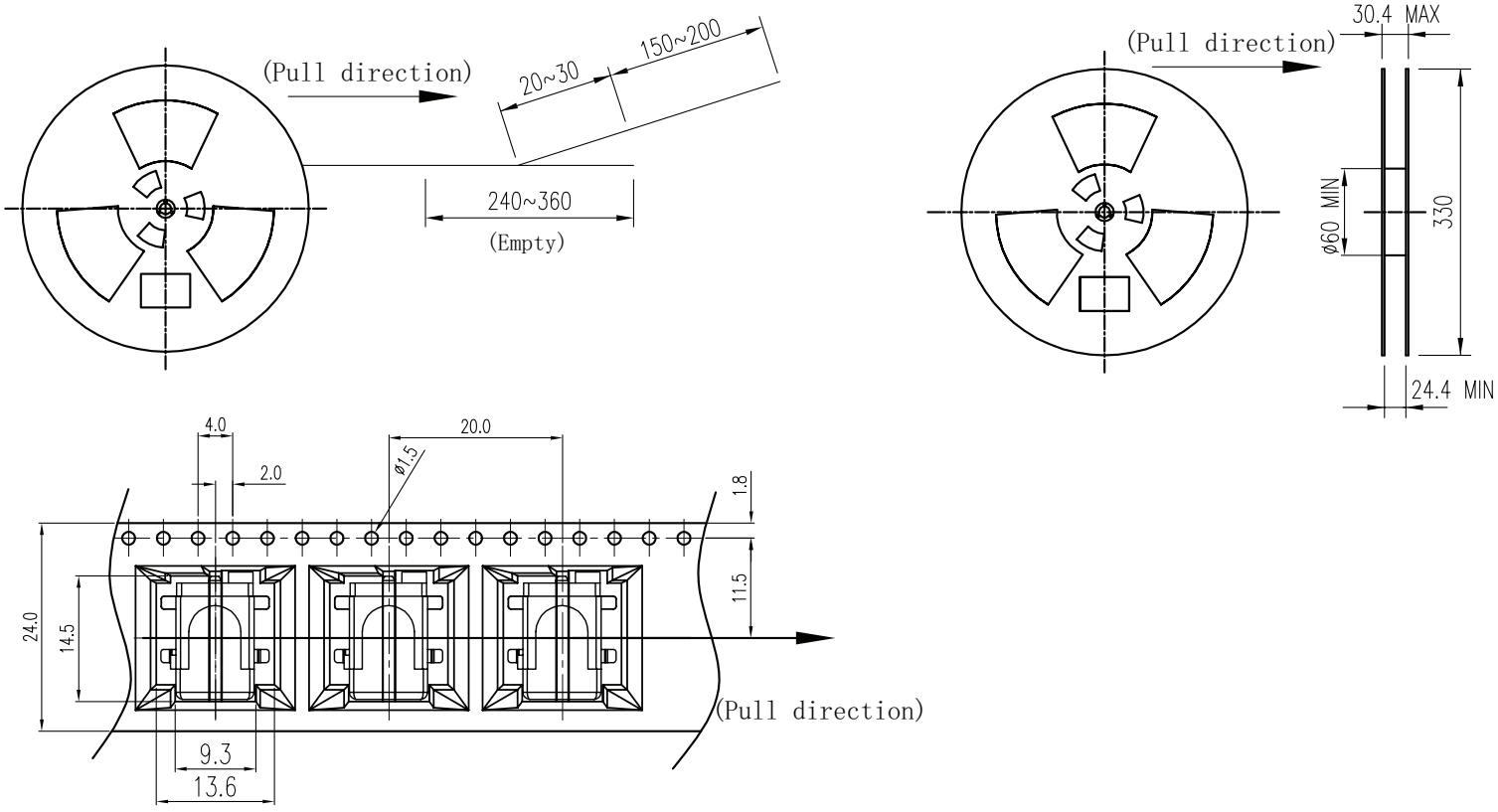

MATING PLUG
Jack Insertion Depth: 9.4 mm

| | |
|---|---|
| Schematic |  |
| Model | PJ-114AH-SMT-TR |
| Center Pin | Ø2.0 mm |

## PACKAGING

units: mm

Reel Size: Ø330 mm
Reel QTY: 250 pcs per reel



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 09/25/2024 |

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

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