

**MODEL:** PJ-107AH-MSMT-TR | **DESCRIPTION:** DC POWER JACK**FEATURES**

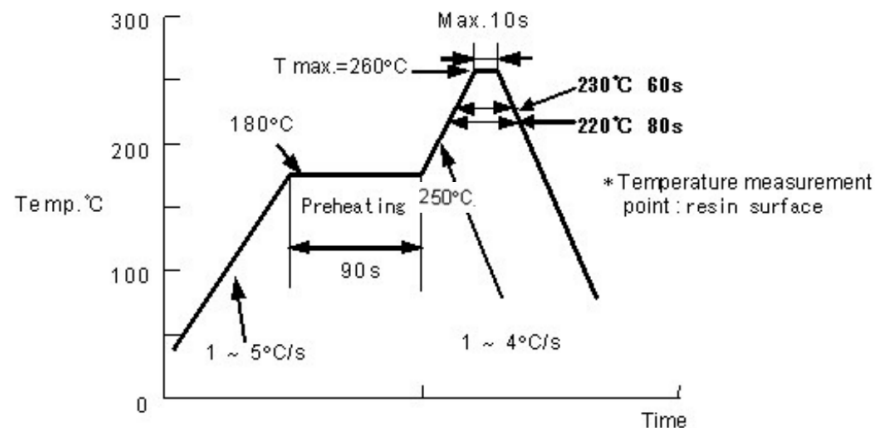
- 2.0 mm center pin
- reflow solder
- tape & reel packaging

**SPECIFICATIONS**

| parameter                  | conditions/description | min | typ   | max | units  |
|----------------------------|------------------------|-----|-------|-----|--------|
| rated input voltage        |                        |     | 20    |     | Vdc    |
| rated input current        |                        |     |       | 7   | 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                    |     |       |     |        |

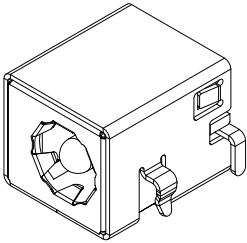
**SOLDERABILITY**

| 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 |     |     |     |       |

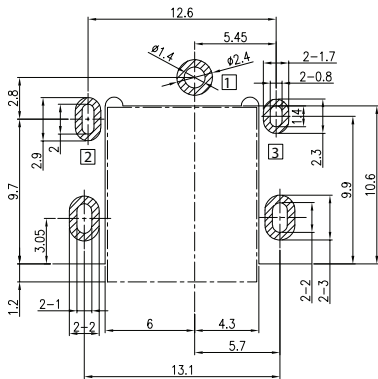
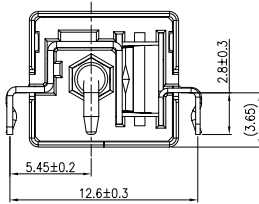
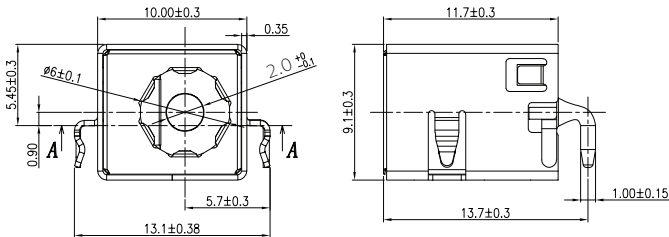
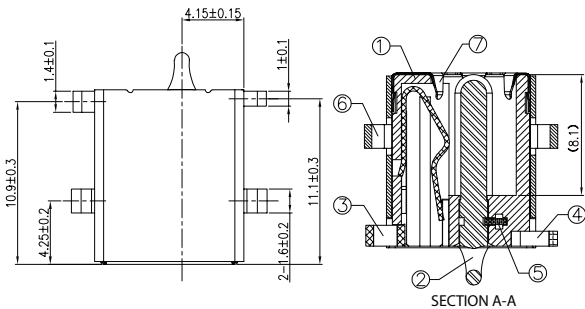


MECHANICAL DRAWING

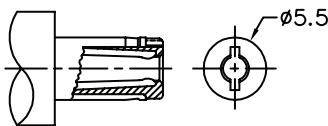
units: mm  
tolerance: ±0.30 mm  
PCB: ±0.05 mm  
unless otherwise specified  
PCB thickness: 1.6 mm



| ITEM | DESCRIPTION     | MATERIAL                  | PLATING/COLOR |
|------|-----------------|---------------------------|---------------|
| 1    | housing         | PA10T (UL94V-0)           | black         |
| 2    | terminal 1      | zinc alloy                | nickel        |
| 3    | terminal 2      | phosphor bronze<br>t=0.30 | silver        |
| 4    | terminal 3      | brass t=0.40              | silver        |
| 5    | terminal        | brass t=0.40              | ---           |
| 6    | shield          | brass t=0.35              | nickel        |
| 7    | ground terminal | stainless steel<br>t=0.10 | ---           |



Recommended PCB Layout  
Top View



MATING PLUG  
Jack Insertion Depth: 8.1 mm

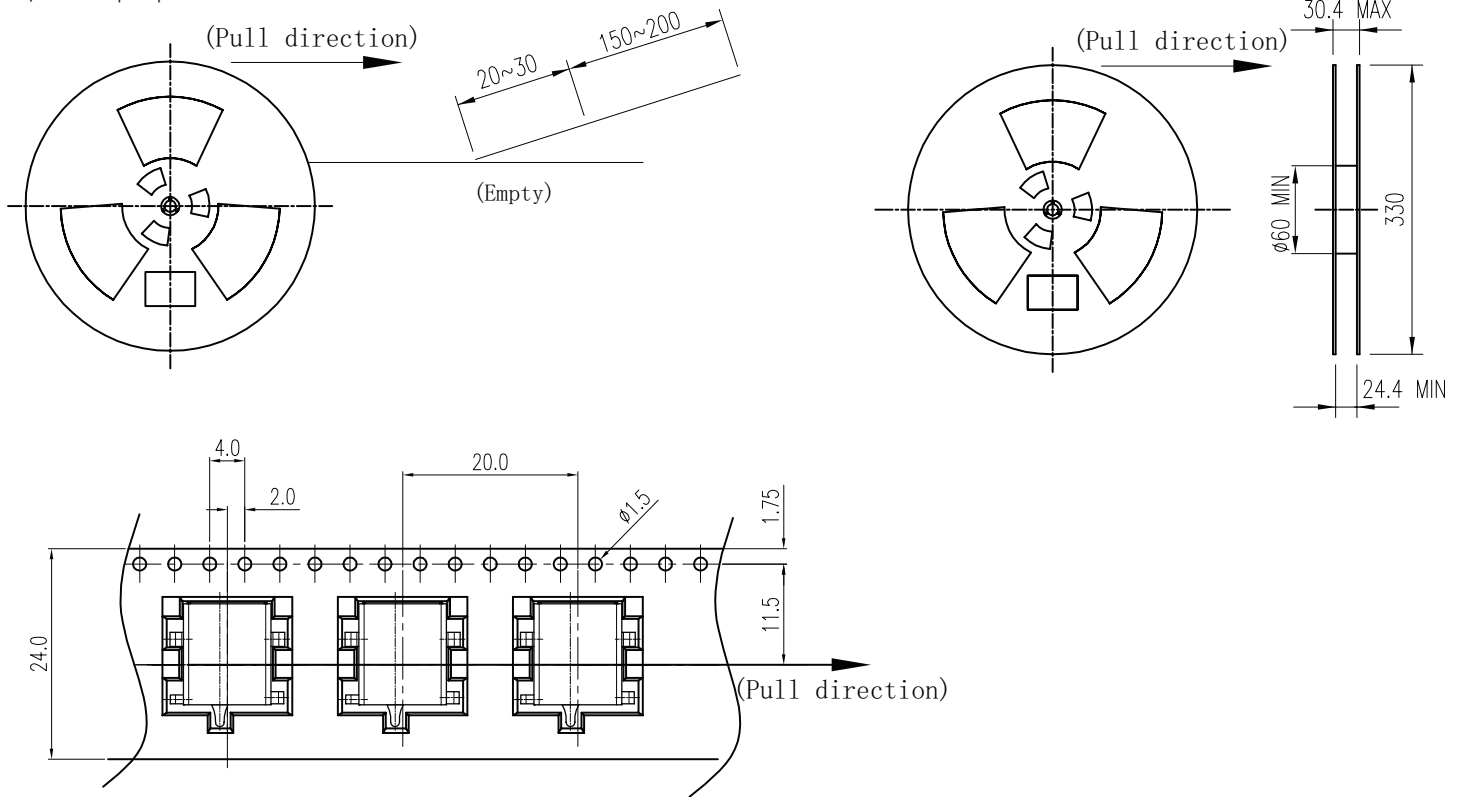
|            |                  |
|------------|------------------|
| Schematic  |                  |
| Model      | PJ-107AH-MSMT-TR |
| Center Pin | Ø2.0 mm          |

## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 350 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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