

MODEL: PJ-083H | DESCRIPTION: DC POWER JACK

FEATURES

- 1.65 mm center pin
- 5 A rating
- shielded
- through hole
- 1 switch



ROHS

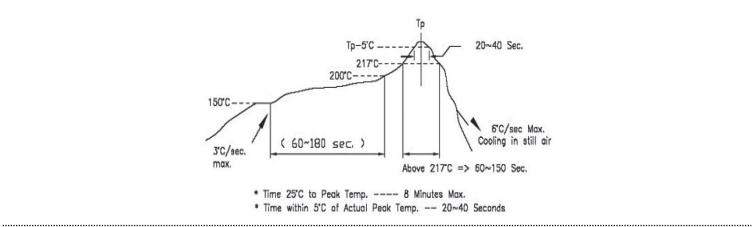
SPECIFICATIONS

| parameter | conditions/description | min | typ | max | units |
|----------------------------|--|-----|-------|----------|----------|
| rated input voltage | | | 24 | | Vdc |
| rated input current | | | | 5.0 | А |
| contact resistance | between terminal and mating plug between terminal in a closed circuit | | | 50 30 | mΩ mΩ |
| insulation resistance | at 500 Vdc | 100 | | | MΩ |
| voltage withstand | for 1 minute | | | 500 | Vac |
| insertion/withdrawal force | | 0.5 | | 2 | kg |
| operating temperature | | -25 | | 85 | °C |
| life | at a rate of 10~20 cycles | | 5,000 | | cycles |
| flammability rating | UL94V-O | | | | |
| RoHS | yes | | | | |

SOLDERABILITY

| parameter | conditions/description | min | typ | max | units |
|--------------------------------|--|-----|-----|-----|-------|
| reel storage | 10~30°C, <70% humidity | | | | °C |
| reflow soldering ¹ | see reflow profile | 255 | 260 | | °C |
| drying conditions ² | parts in reel: bake at 110°C for 4 hours parts removed from reel: bake at 110°C for 4 hours | | | | |

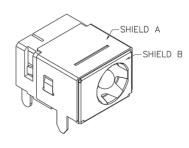
Note: 1. CUI Devices recommends to solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%. 2. When exceeding floor life by >240 hours.



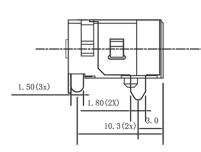
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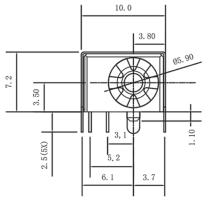
MECHANICAL DRAWING

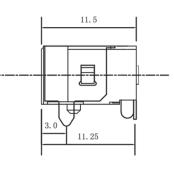


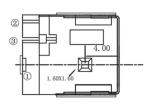


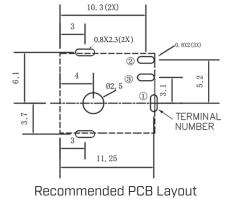
| DESCRIPTION | MATERIAL | PLATING/COLOR |
|-------------|-----------------|---------------|
| center pin | copper | nickel |
| terminal 1 | brass | silver |
| terminal 2 | brass | silver |
| terminal 3 | brass | silver |
| shield A | brass | nickel |
| shield B | stainless steel | |
| insulator | PA10T (UL94V-0) | |
| | | |





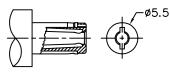








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MATING PLUG Jack Insertion Depth: 8.2 mm

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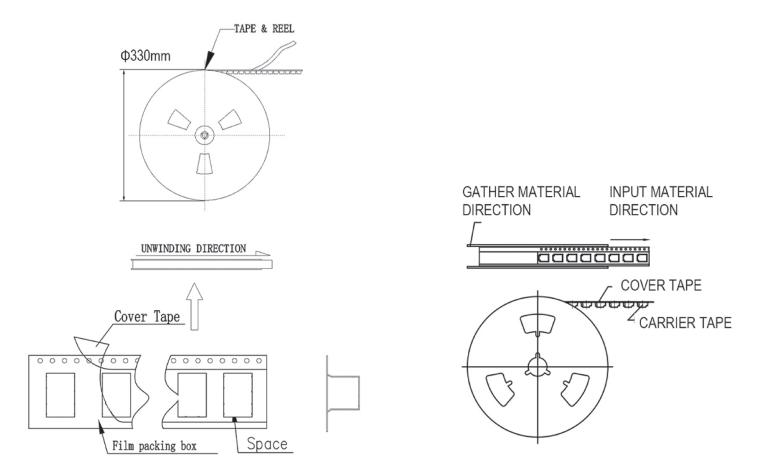
| SCHEMATIC | |
|------------|----------|
| SUREMARK | |
| Model | PJ-083H |
| Center Pin | Ø1.65 mm |

PACKAGING

units: mm

Reel Size: Ø330 mm Reel QTY: 400 pcs per reel

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REVISION HISTORY

| rev. | description | date |
|------|--|------------|
| 1.0 | initial release | 12/12/2018 |
| 1.01 | brand update | 10/25/2019 |
| 1.02 | logo, datasheet style update | 08/05/2022 |
| 1.03 | product reengineered for improved manufacturability and production yield, see PCN for details | 10/11/2023 |

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

CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.



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CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.