

**MODEL:** PJ-030DH-SMT-TR | **DESCRIPTION:** DC POWER JACK**FEATURES**

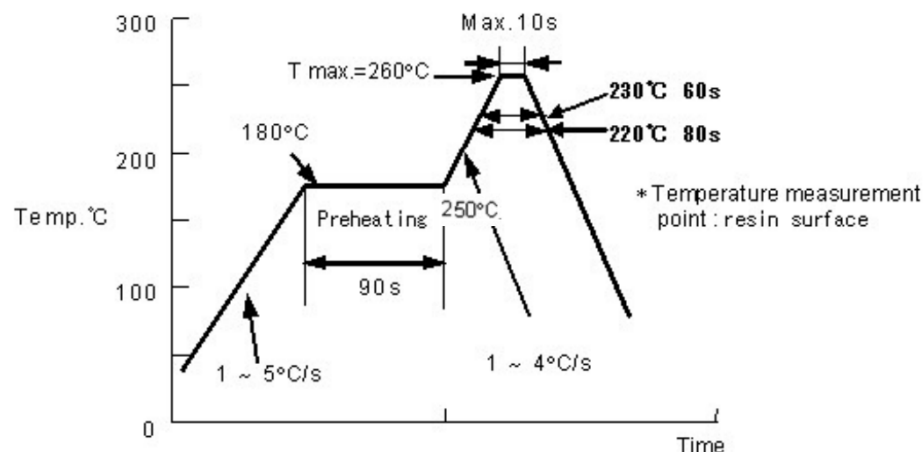
- surface mount
- shielded
- rated up to 3.5 A

**SPECIFICATIONS**

| parameter                  | conditions/description                                                   | min | typ   | max      | units    |
|----------------------------|--------------------------------------------------------------------------|-----|-------|----------|----------|
| rated input voltage        |                                                                          |     | 24    |          | Vdc      |
| rated input current        |                                                                          |     |       | 3.5      | A        |
| contact resistance         | between terminal and mating plug<br>between terminal in a closed circuit |     |       | 50<br>30 | mΩ<br>mΩ |
| insulation resistance      | at 500 Vdc                                                               | 100 |       |          | MΩ       |
| voltage withstand          | for 1 minute                                                             |     |       | 500      | Vac      |
| insertion/withdrawal force |                                                                          | 0.3 |       | 3        | kg       |
| operating temperature      |                                                                          | -25 |       | 85       | °C       |
| life                       |                                                                          |     | 5,000 |          | cycles   |
| flammability rating        | UL94V-0                                                                  |     |       |          |          |
| RoHS                       | yes                                                                      |     |       |          |          |

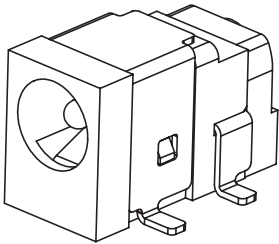
**SOLDERABILITY**

| 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 |     |     |     |       |

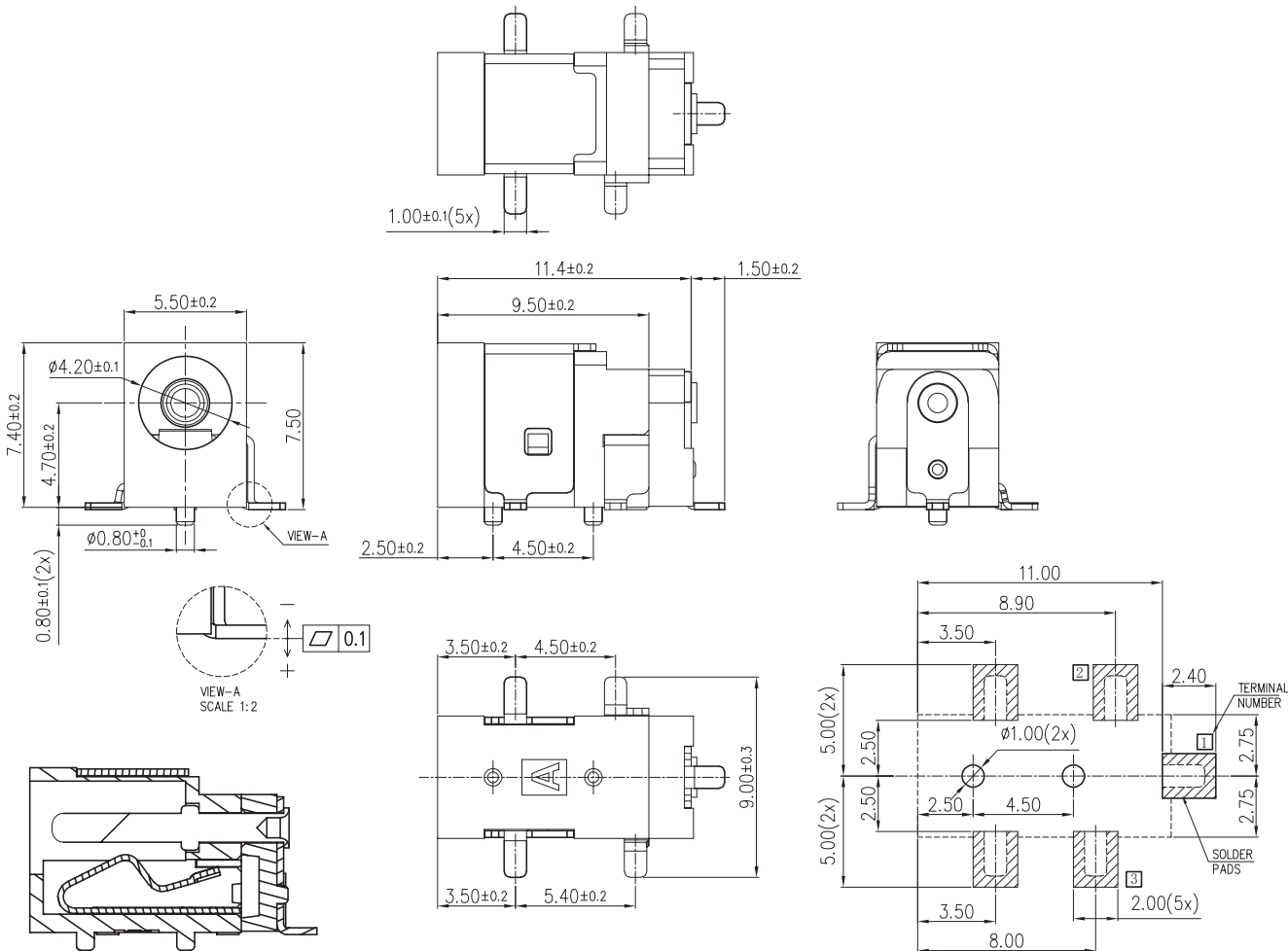


MECHANICAL DRAWING

units: mm  
tolerance:  
X.X ±0.30 mm  
X.XX ±0.20 mm  
X.XXX ±0.10 mm  
PCB: ±0.05 mm  
unless otherwise specified



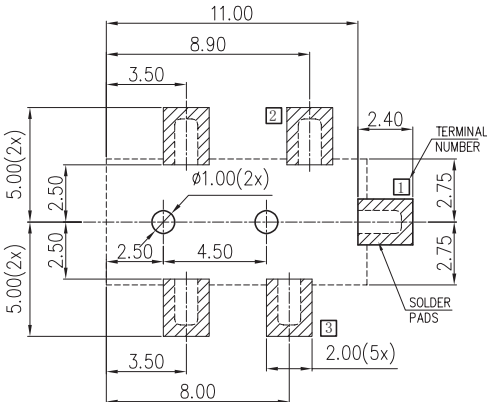
| DESCRIPTION | MATERIAL          | PLATING/COLOR      |
|-------------|-------------------|--------------------|
| center pin  | copper            | nickel             |
| terminal 1  | brass             | silver over nickel |
| terminal 2  | copper alloy      | silver over nickel |
| terminal 3  | brass             | silver over nickel |
| shield      | cold rolled steel | nickel             |
| housing     | PA10T [UL94V-0]   | black              |



MATING PLUG  
Jack Insertion Depth: 6.6 mm

|                 |            |
|-----------------|------------|
| Schematic       |            |
| Model           | Center Pin |
| PJ-030DH-SMT-TR | Ø 1.3 mm   |

Recommended PCB Layout  
Top View

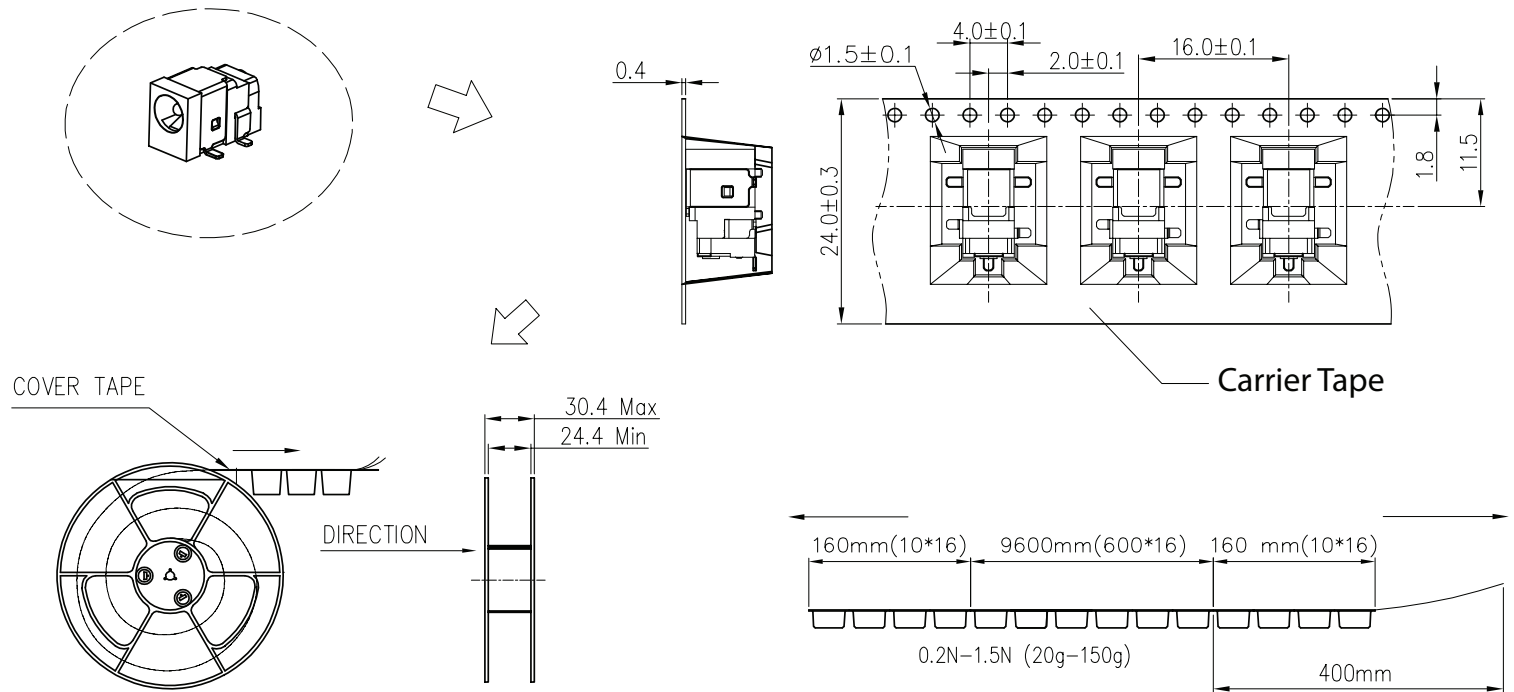


## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 600 pcs per reel



REVISION HISTORY

| rev. | description                                                                                   | date       |
|------|-----------------------------------------------------------------------------------------------|------------|
| 1.0  | initial release                                                                               | 07/18/2012 |
| 1.01 | increased voltage rating                                                                      | 05/03/2016 |
| 1.02 | added storage and drying conditions, and tape and reel packaging details                      | 10/11/2017 |
| 1.03 | brand update                                                                                  | 10/22/2019 |
| 1.04 | logo, datasheet style update                                                                  | 08/05/2022 |
| 1.05 | product reengineered for improved manufacturability and production yield, see PCN for details | 03/20/2023 |
| 1.06 | CUI Devices rebranded to Same Sky                                                             | 09/12/2024 |
| 1.07 | product reengineered for improved manufacturability and production yield, see PCN for details | 09/13/2024 |

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



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

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