

**MODEL:** UJC-V-G-SMT-2-P6-TR | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- power only
- reflow solder compatible
- tape & reel packaging

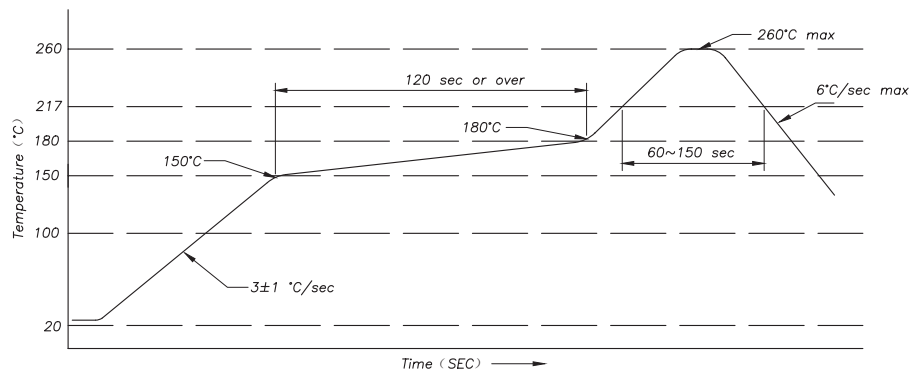
**SPECIFICATIONS**

| parameter                       | conditions/description                     | min | typ    | max  | units  |
|---------------------------------|--------------------------------------------|-----|--------|------|--------|
| USB standard                    | power only                                 |     |        |      |        |
| rated input voltage             |                                            |     |        | 20   | Vdc    |
| rated input current             | as per EIA-364-70, Method B                |     |        |      |        |
|                                 | power pins collectively [A9, A12, B9, B12] |     |        | 5.0  | A      |
|                                 | VCONN pins individually [A5, B5]           |     |        | 1.25 | A      |
|                                 | all other signal pins individually         |     |        | 0.25 | A      |
| contact resistance <sup>1</sup> | between terminals and mating plug          |     |        | 40   | mΩ     |
| insulation resistance           | at 100 Vdc between adjacent contacts       | 100 |        |      | MΩ     |
| voltage withstand               | between adjacent contacts                  | 100 |        |      | Vac    |
| insertion force                 | at a rate of 30 mm/min                     | 5   |        | 20   | N      |
| withdrawal force                | at a rate of 30 mm/min                     | 8   |        | 20   | N      |
| life                            | at a rate of 500 cycles per hour           |     | 10,000 |      | cycles |
| operating temperature           |                                            | -40 |        | 85   | °C     |
| flammability rating             | UL94V-0                                    |     |        |      |        |
| RoHS                            | yes                                        |     |        |      |        |

Note: 1. When measured at 20 mV / 100 mA.

**SOLDERABILITY**

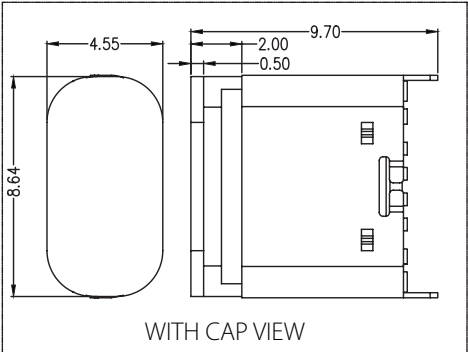
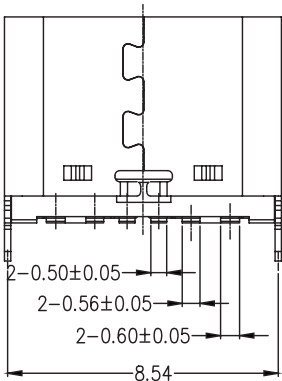
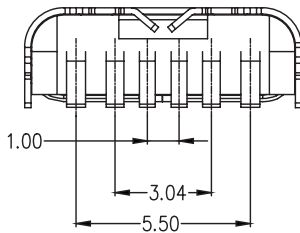
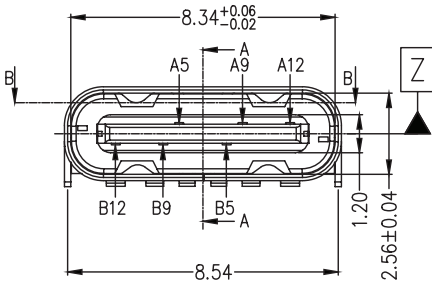
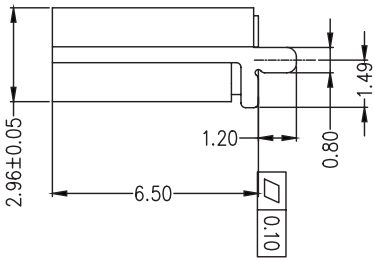
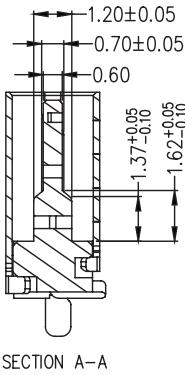
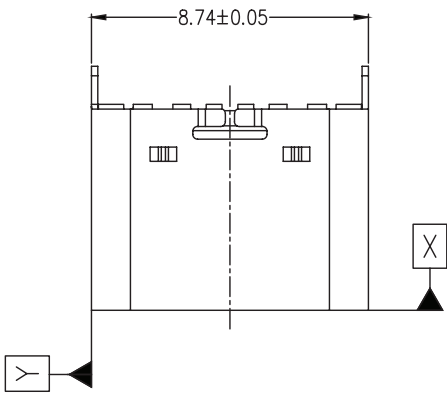
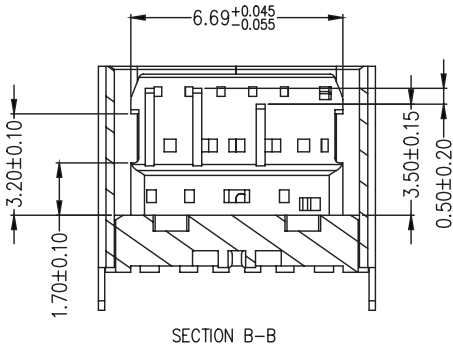
| parameter        | conditions/description      | min | typ | max | units |
|------------------|-----------------------------|-----|-----|-----|-------|
| reel storage     | at 20~30°C, 40~75% humidity |     |     |     |       |
| reflow soldering | see reflow profile          |     |     | 260 | °C    |



MECHANICAL DRAWING

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

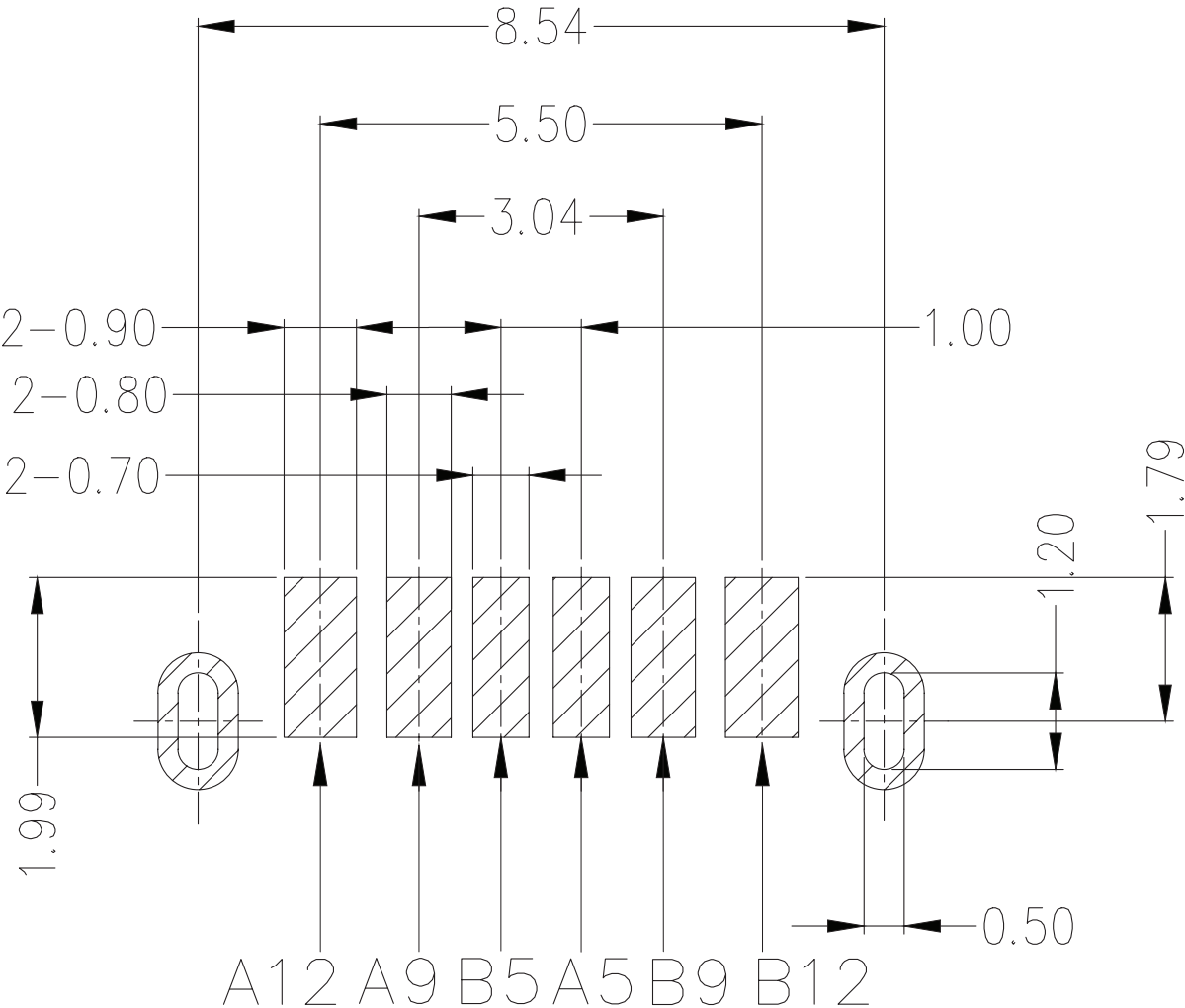
| DESCRIPTION     | MATERIAL         | PLATING/COLOR                                                                                      |
|-----------------|------------------|----------------------------------------------------------------------------------------------------|
| housing         | LCP<br>[UL94V-0] | black                                                                                              |
| contact         | C2680            | contact area: gold flash<br>over 50 μ" nickel<br>solder area: 50 μ" matte<br>tin over 50 μ" nickel |
| shell           | SUS304           | 50 μ" nickel                                                                                       |
| shielding plate | SUS301           | --                                                                                                 |
| cover           | LCP<br>[UL94V-0] | black                                                                                              |



MECHANICAL DRAWING (CONTINUED)

units: mm  
PCB tolerance: ±0.05 mm  
PCB thickness: 1.0 mm

| PIN CONNECTIONS |             |     |             |
|-----------------|-------------|-----|-------------|
| PIN             | SIGNAL NAME | PIN | SIGNAL NAME |
| A5              | CC1         | B12 | GND         |
| A9              | VBUS        | B9  | VBUS        |
| A12             | GND         | B5  | CC2         |



Recommended PCB Layout  
Top View

## PACKAGING

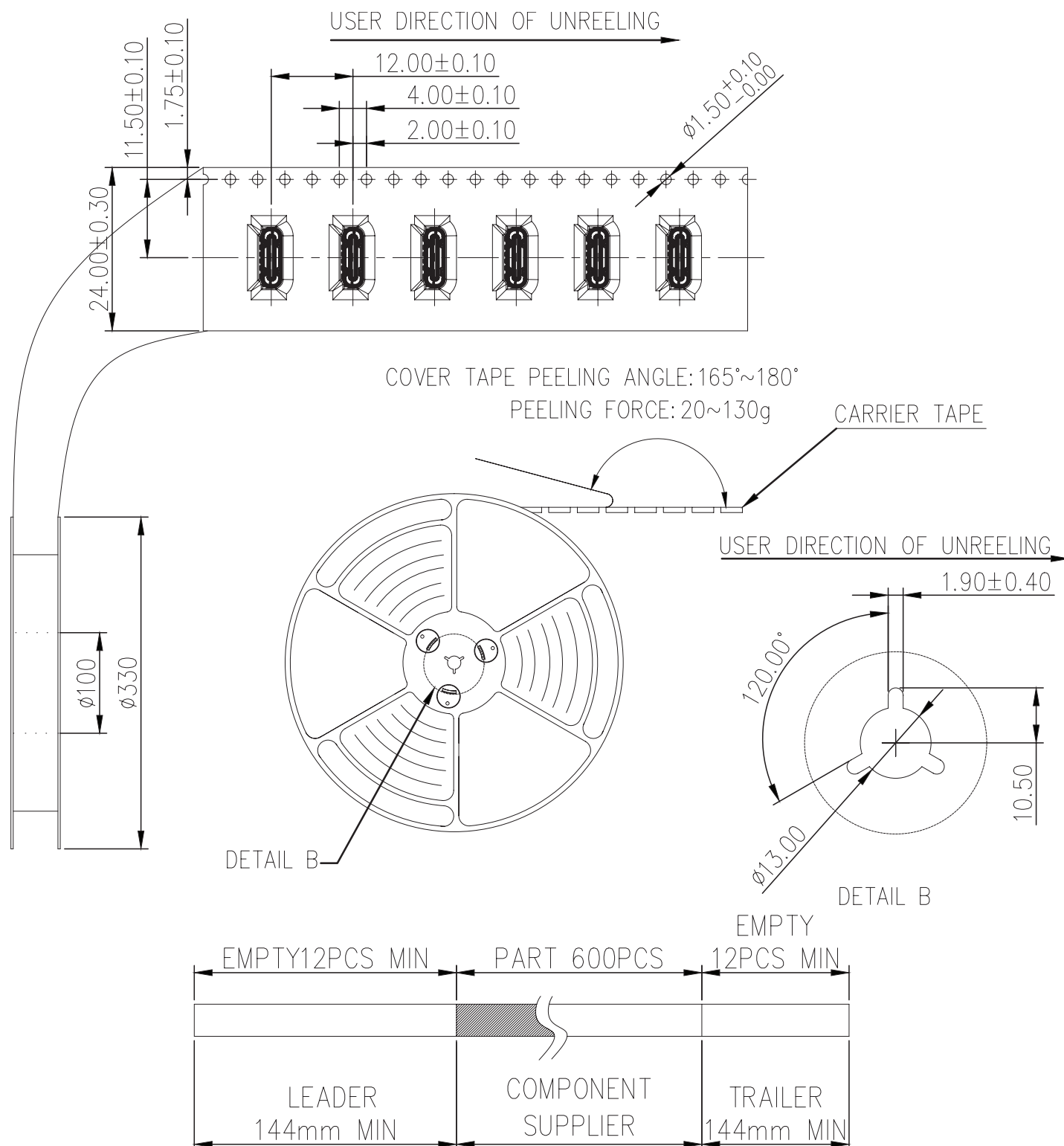
units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 600 pcs per reel

Carton Size: 330 x 330 x 320 mm

Carton QTY: 6,000 pcs



REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 11/03/2025 |

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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