

**MODEL:** UJ32-1-C-H-G1-MHMT-P24-TR-X7 | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- USB 3.2 Gen 1
- 5 Gbits/s data transfer speed
- IPX7
- reflow solder compatible (including o-ring)
- tape & reel packaging

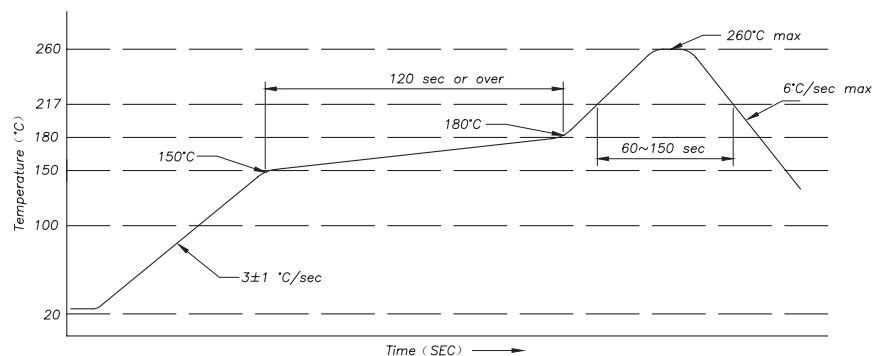
**SPECIFICATIONS**

| parameter                       | conditions/description                                     | min | typ    | max  | units  |
|---------------------------------|------------------------------------------------------------|-----|--------|------|--------|
| USB standard                    | USB 3.2 Gen 1                                              |     |        |      |        |
| rated input voltage             |                                                            |     |        | 20   | Vdc    |
| rated input current             | as per EIA-364-70, Method B                                |     |        |      |        |
|                                 | power pins collectively [A1, A4, A9, A12, B1, B4, 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 for 1 minute                     | 100 |        |      | Vac    |
| insertion force                 | at a rate of 30 cycles/min                                 | 5   |        | 20   | N      |
| withdrawal force                | at a rate of 30 cycles/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                                                        |     |        |      |        |
| IP level                        | IPX7                                                       |     |        |      |        |

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

**SOLDERABILITY**

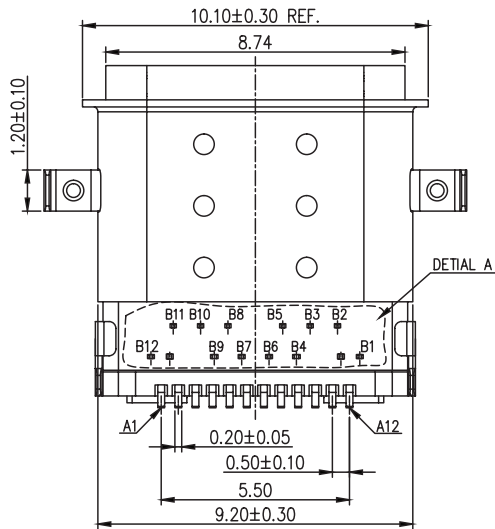
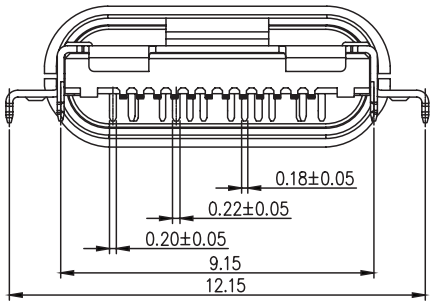
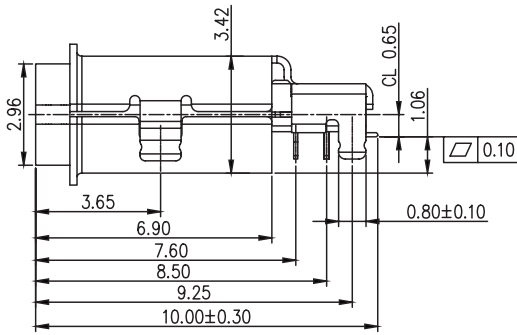
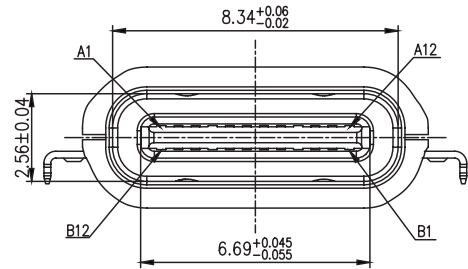
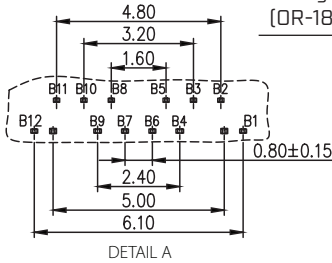
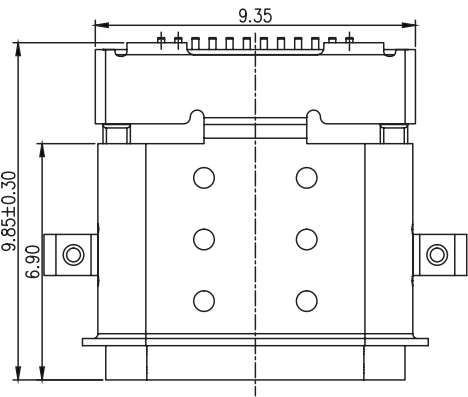
| parameter        | conditions/description      | min | typ | max | units |
|------------------|-----------------------------|-----|-----|-----|-------|
| reel storage     | at 20~30°C, 40~75% humidity |     |     |     |       |
| reflow soldering | see reflow profile          |     |     | 260 | °C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



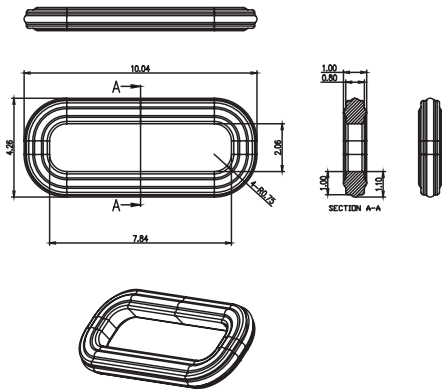
MECHANICAL DRAWING

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         | PA9T (UL94V-0) | black                                                                                       |
| contact         | C7025          | contact area: 1 μ" gold<br>over 30 μ" nickel<br>solder area: 50 μ" tin<br>over 30 μ" nickel |
| mid plate       | SUS301         | 50 μ" tin over 30 μ" nickel                                                                 |
| outer shell     | SUS304         | 30 μ" nickel                                                                                |
| inner shell     | SUS316         | 30 μ" nickel                                                                                |
| glue            | hybrid epoxy   | --                                                                                          |
| o-ring (OR-180) | silica gel     | light blue                                                                                  |



O-ring (P/N: OR-180)



units: mm  
PCB tolerance:  $\pm 0.05$  mm  
PCB thickness: 1.0 mm

Technical drawing of a mechanical part, showing a top view and a side view. The drawing includes various dimensions and labels for features.

**Top View Dimensions:**

- Overall width: 12.15
- Overall height: 6.90
- Distance from left edge to center of left hole: 2-1.50
- Distance from center of left hole to center of first hole: 1.25
- Distance from center of first hole to center of last hole: 9.70
- Distance from center of last hole to center of right hole: 1.25
- Distance from center of right hole to right edge: 2-1.50
- Distance from left edge to center of left hole: 1.00
- Distance from center of left hole to center of first hole: 0.50
- Distance from center of first hole to center of last hole: 9.15
- Distance from center of last hole to center of right hole: 1.00
- Distance from center of right hole to right edge: 0.50
- Distance from center of first hole to center of last hole: 12-0.35
- Distance from center of first hole to center of last hole: 2-1.05
- Distance from center of first hole to center of last hole: 12-0.50
- Distance from center of first hole to center of last hole: 0.15
- Distance from center of first hole to center of last hole: 0.65
- Distance from center of first hole to center of last hole: 0.40
- Distance from center of first hole to center of last hole: 0.85

**Side View Dimensions:**

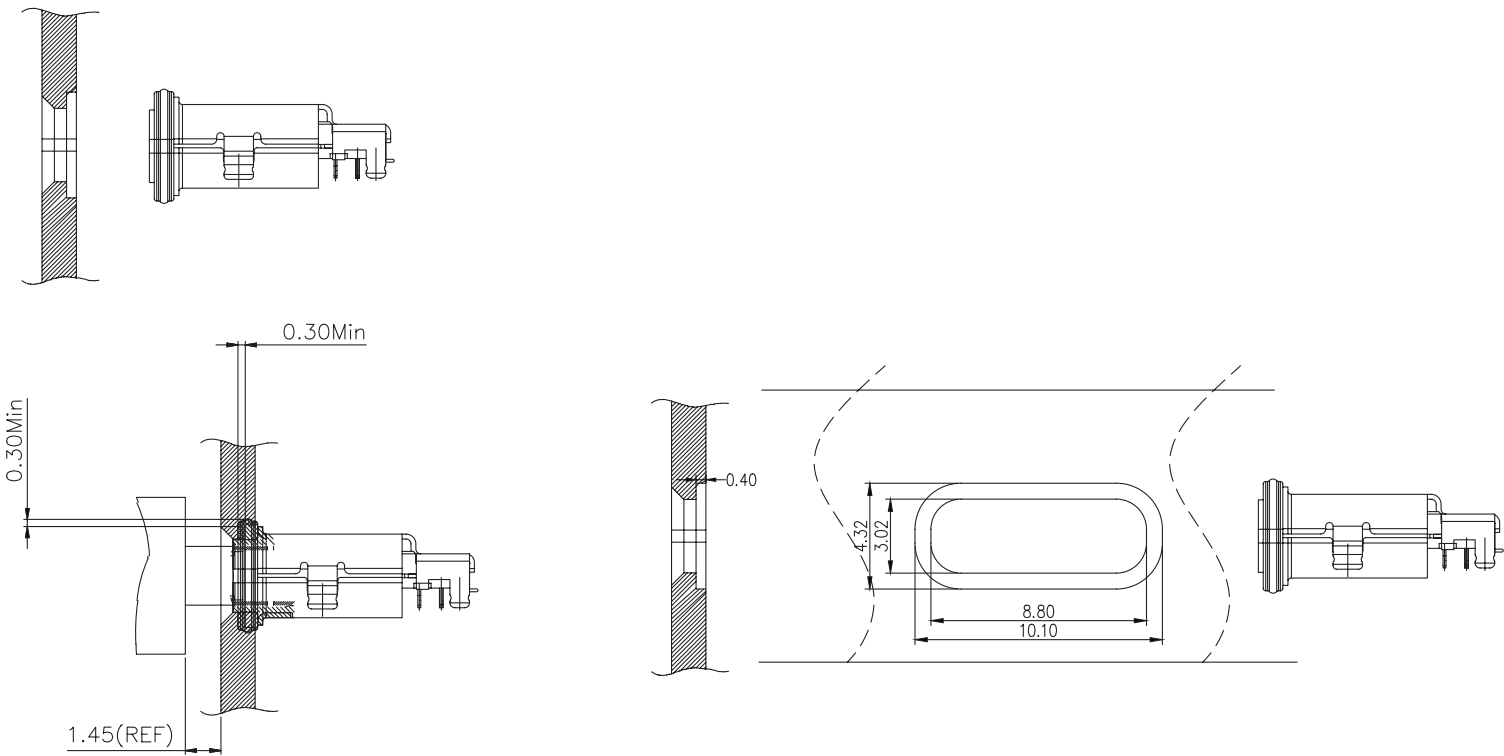
- Overall height: 4.70
- Distance from top edge to center of hole: 1.00
- Distance from center of hole to bottom edge: 0.50
- Distance from top edge to center of hole: 1.25
- Distance from center of hole to bottom edge: 5.20
- Distance from top edge to center of hole: 6.10
- Distance from center of hole to bottom edge: 6.85
- Distance from top edge to center of hole: 6.90

**Labels and Features:**

- A1:** Label for the left hole.
- A12:** Label for the right hole.
- B1:** Label for the bottom edge.
- B12:** Label for the bottom edge.
- R0.50:** Radius of the bottom edge.

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ASSEMBLY REFERENCE



## PACKAGING

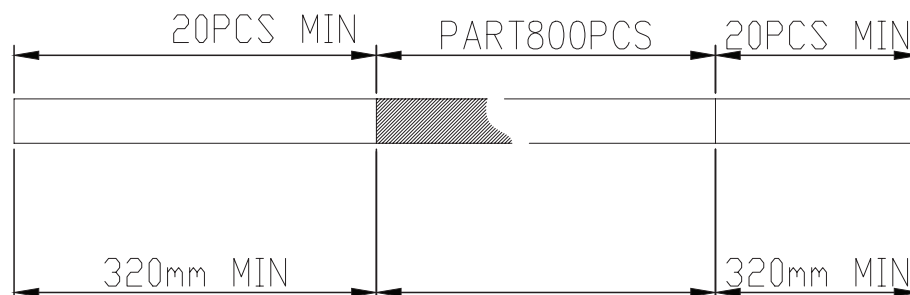
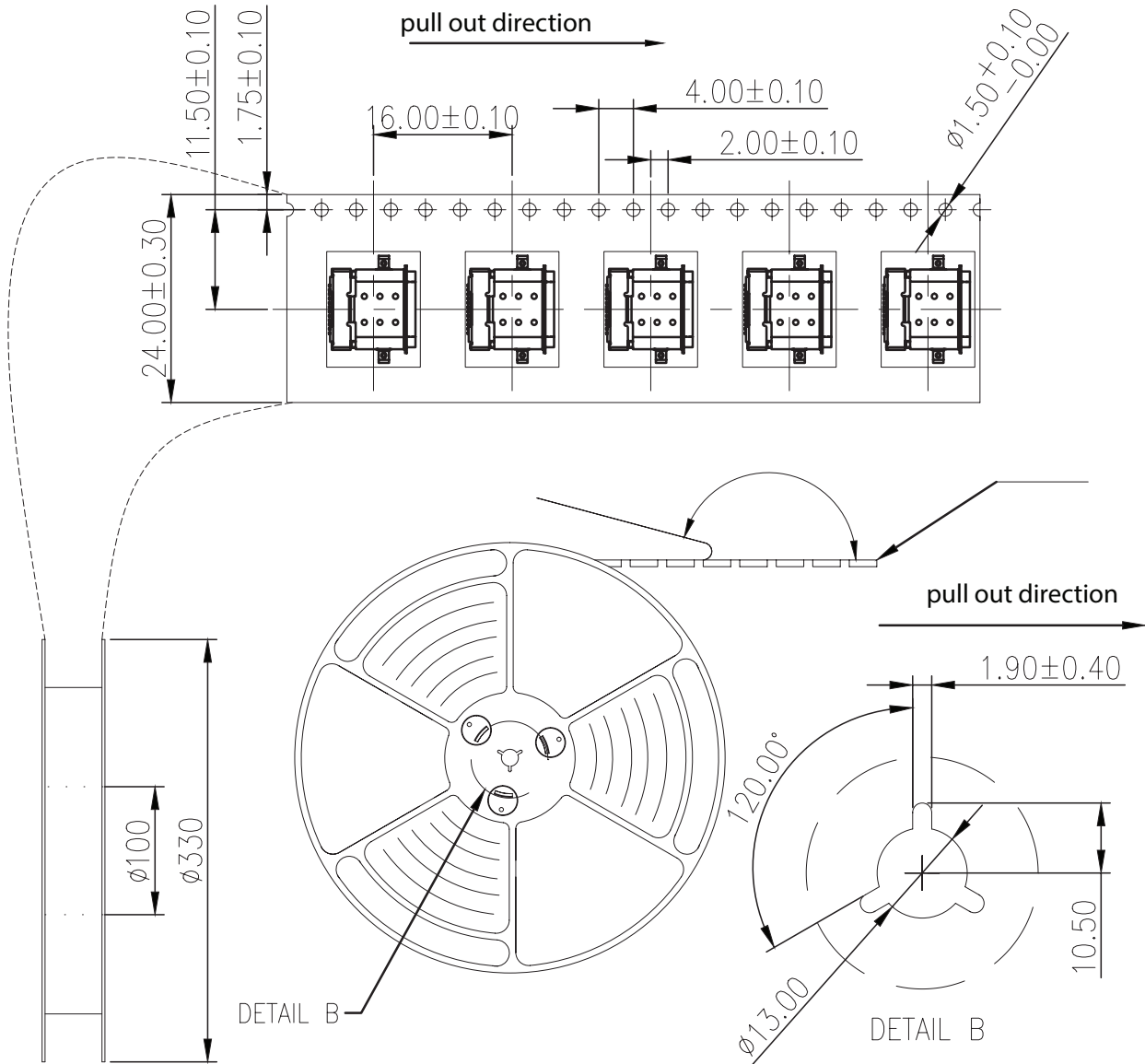
units: mm

Reel Size:  $\varnothing 330$ 

Reel QTY: 800 pcs per reel

Carton Size: 360 x 360 x 220 mm

Carton QTY: 8,000 pcs



REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 11/04/2025 |

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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