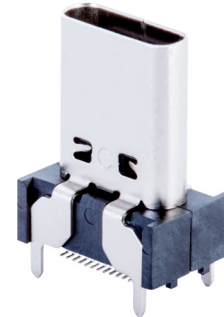


**MODEL:** UJ32-C-V-G-SMT-P24-TR | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- USB 3.2 Gen 1
- 5 Gbit/s data transfer speed
- reflow solder compatible
- tape & reel packaging

**SPECIFICATIONS**

| parameter                       | conditions/description                                     | min | typ    | max  | units  |
|---------------------------------|------------------------------------------------------------|-----|--------|------|--------|
| USB standard                    | USB 3.2 Gen 1                                              |     |        |      |        |
| rated input voltage             |                                                            |     |        | 30   | 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           |                                                            | -30 |        | 85   | °C     |
| flammability rating             | UL94V-0                                                    |     |        |      |        |
| RoHS                            | yes                                                        |     |        |      |        |

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

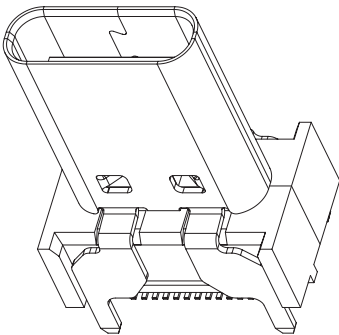
**SOLDERABILITY**

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

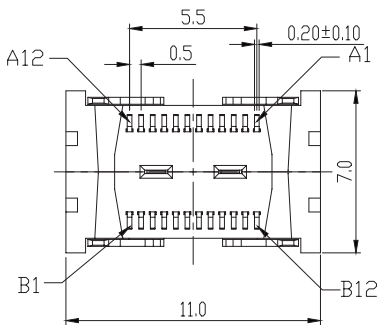
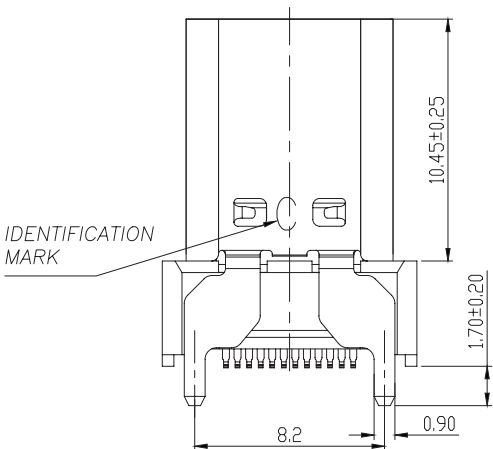
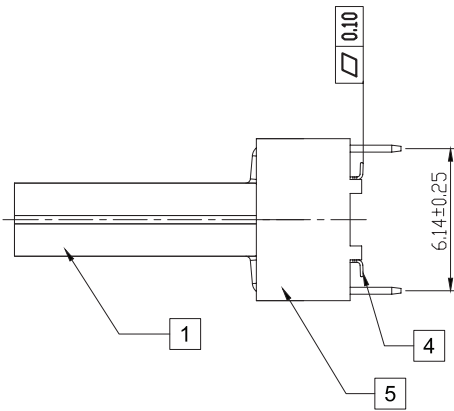
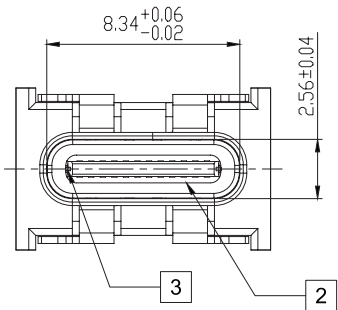
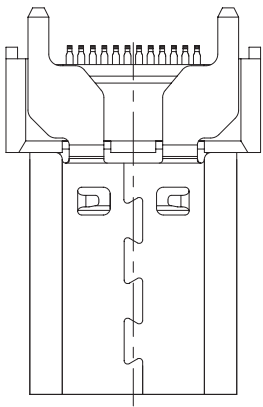


MECHANICAL DRAWING

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



| ITEM | DESCRIPTION    | MATERIAL               | PLATING/COLOR                                                           |
|------|----------------|------------------------|-------------------------------------------------------------------------|
| 1    | shell          | SUS304                 | 30 μ" nickel                                                            |
| 2    | GND plate      | SUS301                 | clear                                                                   |
| 3    | mid plate      | SUS301                 | clear                                                                   |
| 4    | contact        | C7025                  | contact area: 1 μ" gold<br>over 50 μ" nickel<br>solder tails: matte tin |
| 5    | insert molding | LCP E6806<br>(UL94V-0) | black                                                                   |
| 6    | cover          | LCP E6806<br>(UL94V-0) | black                                                                   |





## PACKAGING

units: mm

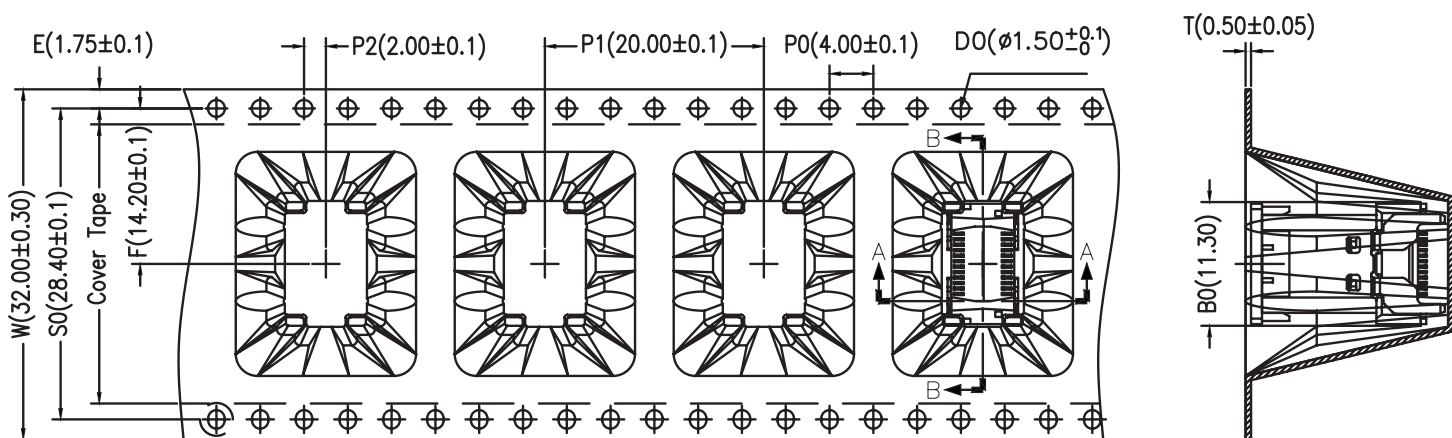
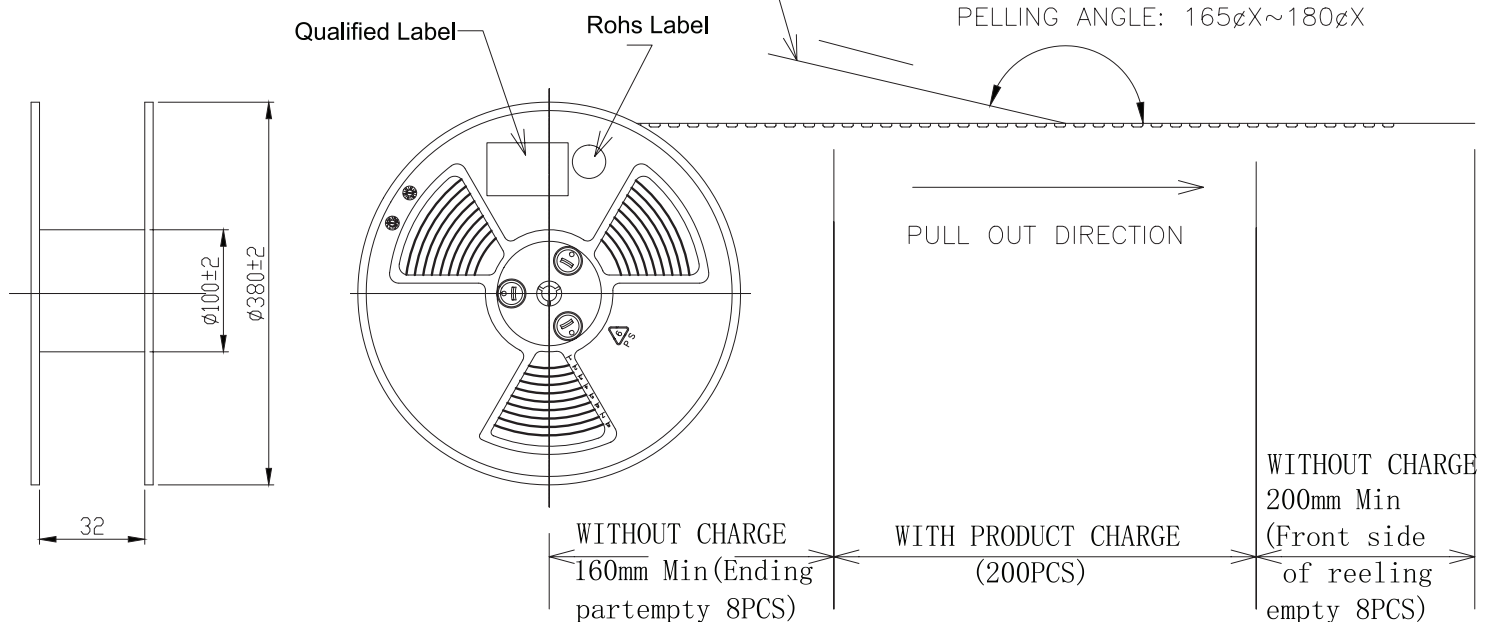
Reel Size: Ø380

Reel QTY: 200 pcs per reel

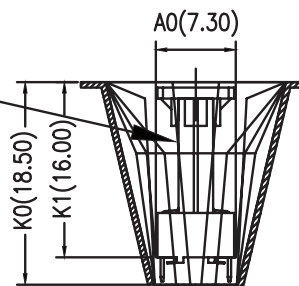
Carton Size: 340 x 340 x 320 mm

Carton QTY: 1,600 pcs

AROUND THE OUTER PERIPHERY IN A TURE.  
WEEDING THE COVER TAPE.



Surface direction can be inconsistent



REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 07/29/2024 |

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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