

**MODEL:** UJ40-C-V-SMT-TR-68 | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- IP68
- USB 4.0
- o-ring shipping options
- tape & reel packaging

**SPECIFICATIONS**

| parameter                       | conditions/description                                     | min | typ    | max  | units  |
|---------------------------------|------------------------------------------------------------|-----|--------|------|--------|
| USB standard                    | USB 4.0                                                    |     |        |      |        |
| 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           | between adjacent contacts                                  | 100 |        |      | MΩ     |
| voltage withstand               | between adjacent contacts                                  | 100 |        |      | Vac    |
| insertion force                 |                                                            | 5   |        | 20   | N      |
| withdrawal force                |                                                            | 8   |        | 20   | N      |
| life                            |                                                            |     | 10,000 |      | cycles |
| operating temperature           |                                                            | -40 |        | 85   | °C     |
| flammability rating             | UL94V-0                                                    |     |        |      |        |
| RoHS                            | yes                                                        |     |        |      |        |
| IP level                        | IP68                                                       |     |        |      |        |

Note: 1. When measured at 20 mV / 100 mA.  
2. All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

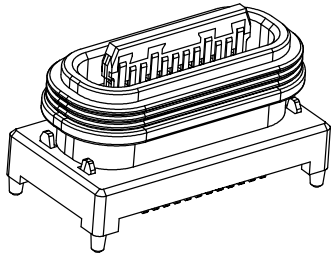
**PART NUMBER KEY****UJ40 - C - V - SMT - TR - 68 - X**

Base Number

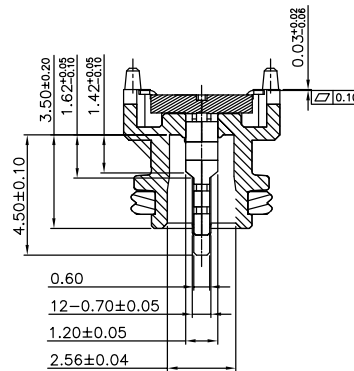
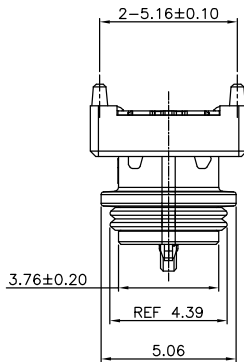
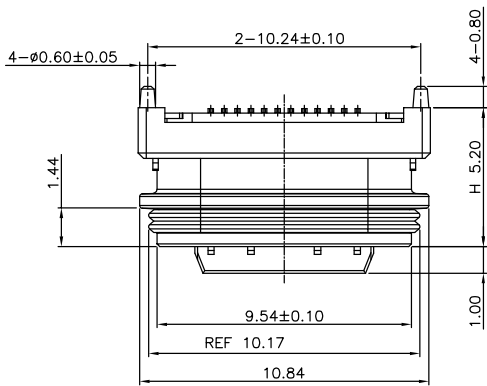
o-ring:  
"blank" = o-ring assembled on part  
N = o-ring is on the side

MECHANICAL DRAWING

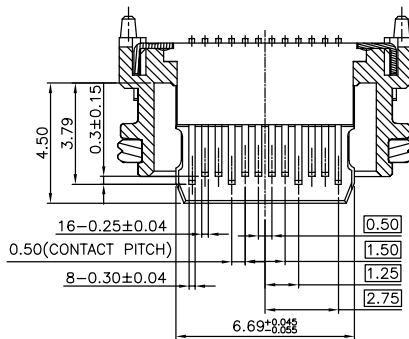
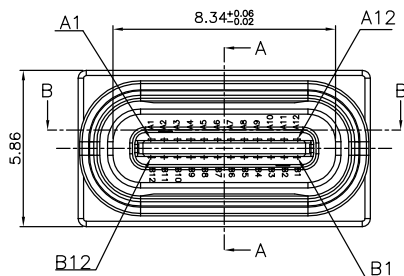
units: mm  
tolerance:  
X.  $\pm 0.50$  mm  
X.X  $\pm 0.30$  mm  
X.XX  $\pm 0.20$  mm  
X.XXX  $\pm 0.10$  mm  
unless otherwise specified



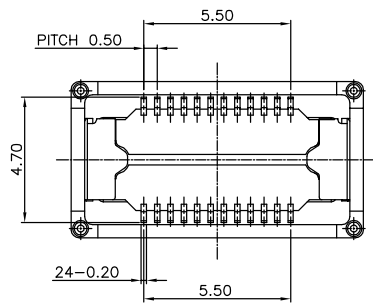
| DESCRIPTION     | MATERIAL                     | PLATING/COLOR                                                               |
|-----------------|------------------------------|-----------------------------------------------------------------------------|
| insulator       | LCP (UL94V-0)                | black                                                                       |
| contact         | copper alloy<br>t=0.15 mm    | contact area: gold<br>flash over tin-nickel<br>solder area: tin over nickel |
| shell           | stainless steel<br>t=0.25 mm | nickel                                                                      |
| o-ring (OR-120) | silicone                     | black                                                                       |



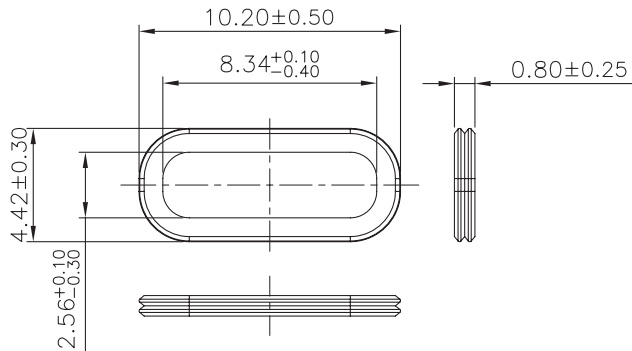
SECTION A-A



SECTION B-B



O-ring (P/N: OR-120)





## ASSEMBLY REFERENCE

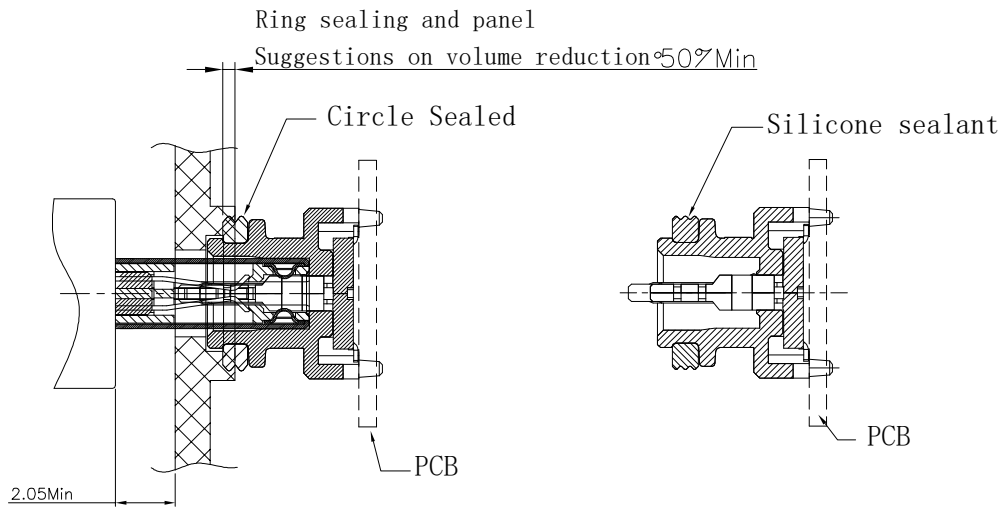
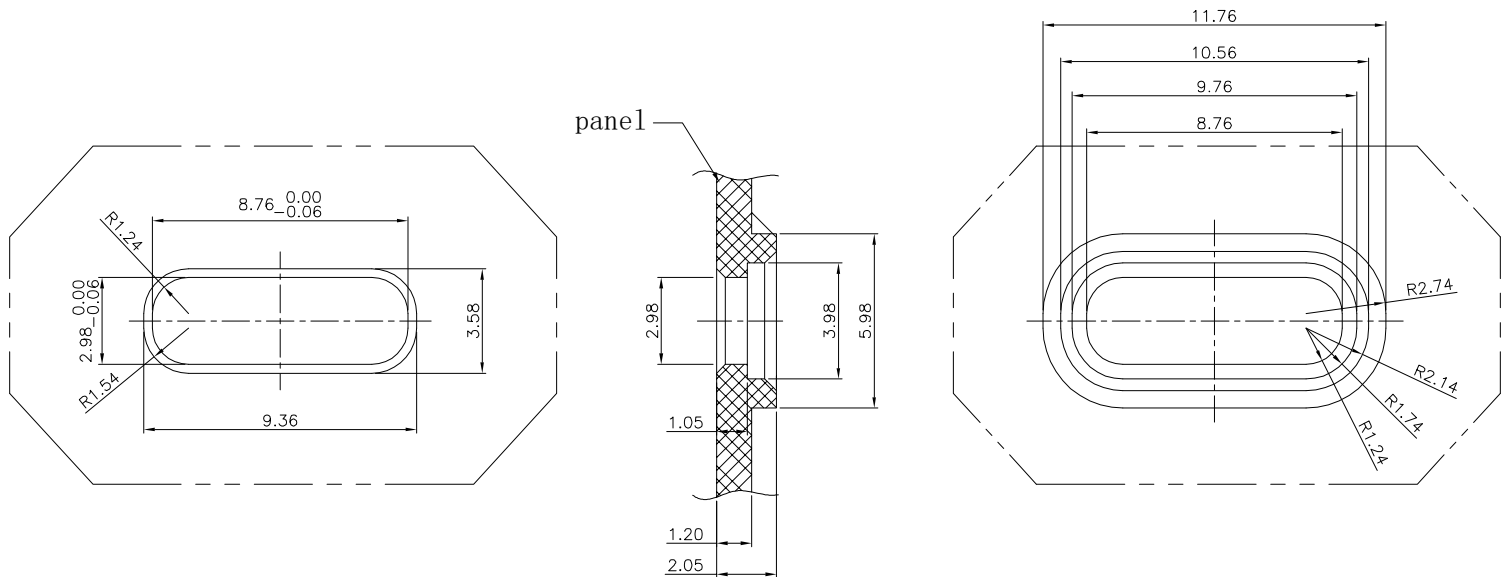


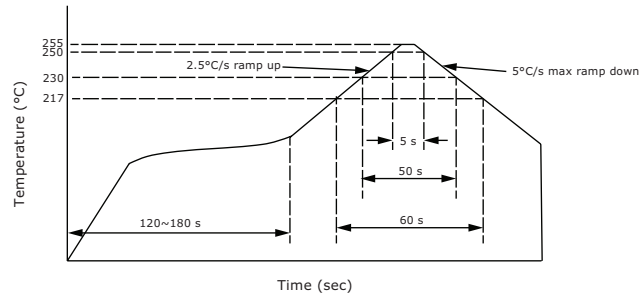
Diagram showing the female and male connectors for rear panel assembly



## SOLDERABILITY

| parameter                     | conditions/description      | min | typ | max | units |
|-------------------------------|-----------------------------|-----|-----|-----|-------|
| reel storage                  | at relative humidity 65~70% | 25  |     | 30  | °C    |
| reflow soldering <sup>3</sup> | see reflow profile          |     | 255 | 260 | °C    |

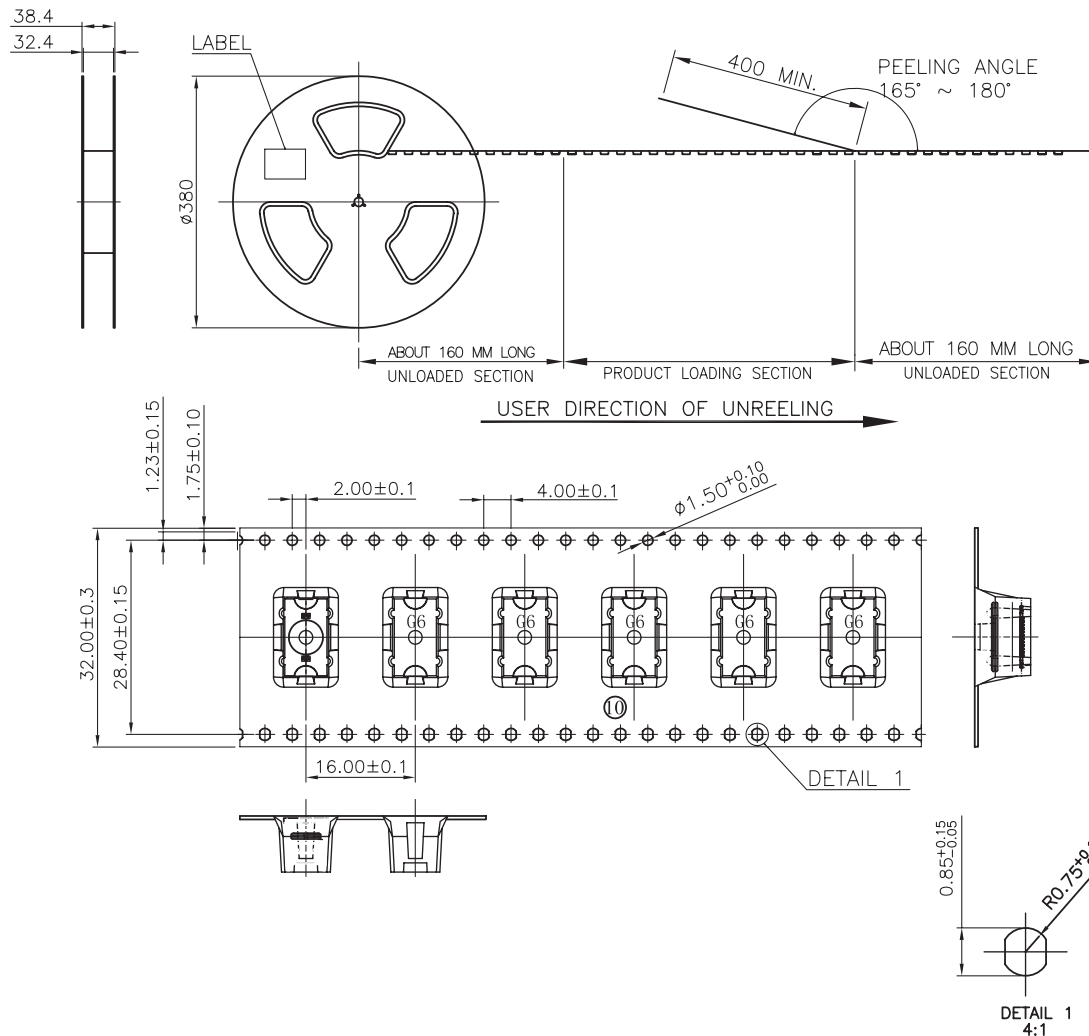
Note: 3. It is recommended to reflow solder within 3 months from opening vacuum packaging at a temperature of 25~30°C & relative humidity 65~70%.



## PACKAGING

units: mm

Reel Size: Ø380 mm  
Reel QTY: 650 pcs per reel  
Carton Size: 405 x 405 x 330 mm  
Carton QTY: 5,200 pcs



REVISION HISTORY

| rev. | description                                | date       |
|------|--------------------------------------------|------------|
| 1.0  | initial release                            | 08/23/2023 |
| 1.01 | added assembly reference dimension details | 02/19/2024 |
| 1.02 | CUI Devices rebranded to Same Sky          | 09/12/2024 |
| 1.03 | added o-ring shipping option               | 04/18/2025 |
| 1.04 | added o-ring part number                   | 10/08/2025 |

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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