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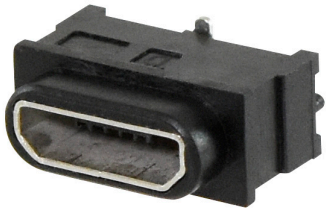
# MODEL: UJ2-MIBV-4-SMT-TR-67 | DESCRIPTION: USB RECEPTACLE

## FEATURES

- IP67 waterproof
- USB micro B type receptacle
- USB 2.0
- surface mount
- vertical orientation



RoHS IP67

## SPECIFICATIONS

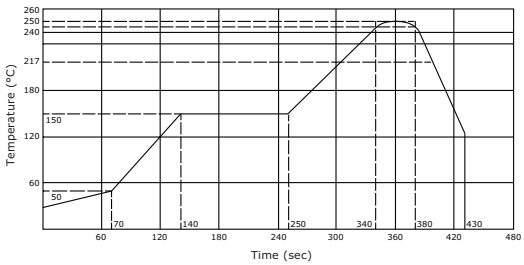
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| USB standard | USB 2.0 | | | | |
| rated input voltage | | | | 30 | Vac |
| rated input current | pins 1, 5<br>pins 2, 3, 4 | | | 1.8<br>0.5 | A<br>A |
| contact resistance[1] | between terminals and mating plug | | | 30 | mΩ |
| insulation resistance | at 250 Vdc for 1 minute between adjacent contacts | 100 | | | MΩ |
| voltage withstand | for 1 minute between adjacent contacts | | | 250 | Vac |
| insertion force | | | | 35 | N |
| withdrawal force | | 8 | | | N |
| life | at a rate of 500 max cycles per hour | | 10,000 | | cycles |
| operating temperature | | -25 | | 85 | °C |
| flammability rating | UL94V-0 | | | | |
| RoHS | yes | | | | |
| IP level | IP67 | | | | |

Note: 1. When measured at a current of less than 100 mA/1 kHz.
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

## SOLDERABILITY

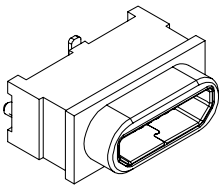
| parameter | conditions/description | min | typ | max | units |
|---|---|---|---|---|---|
| reel storage | at relative humidity <80% | | | 40 | °C |
| reflow soldering[3] | see reflow profile | 245 | 250 | 255 | °C |
| drying conditions[4] | parts in reel: bake at 40°C ±5°C for 72 hours<br>parts removed from reel: bake at 40°C ±5°C for 10 hours | | | | |

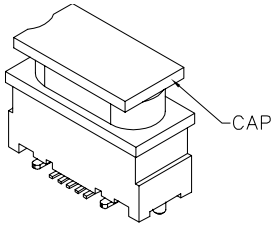
Note: 3. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
4. When exceeding floor life by >72 hours.



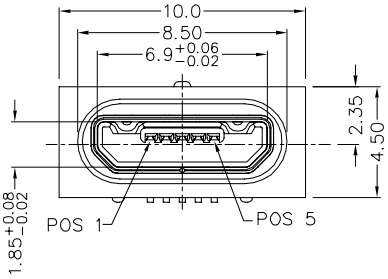
## MECHANICAL DRAWING

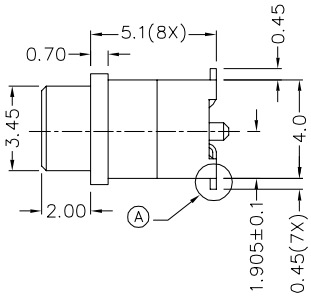
units: mm
tolerance:
X.X ±0.20 mm
X.XX ±0.1 mm
X.XXX ±0.05 mm
PCB: ±0.05 mm

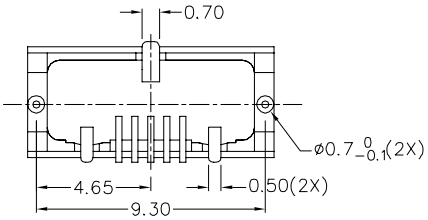


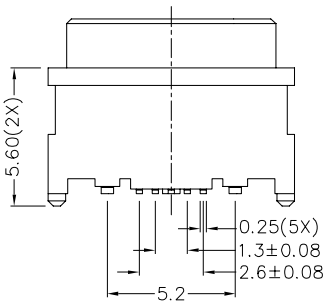


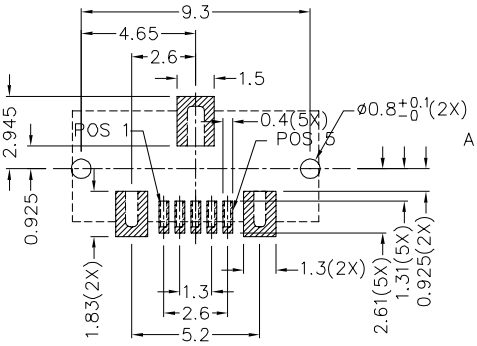

| | MATERIAL | PLATING |
|---|---|---|
| contact terminals | copper alloy | gold falsh |
| shell | stainless steel | nickel |
| insulator | PA10T | black |
| housing | PA10T | black |
| cap | PA10T | black |
| o-ring (OR-10) | silicone | black |

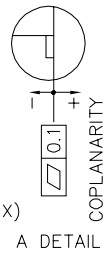


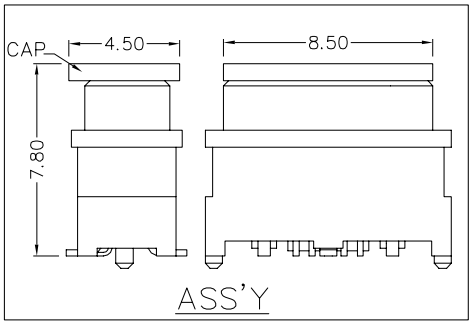



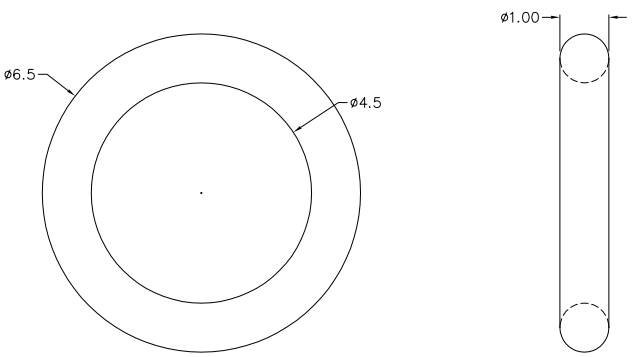



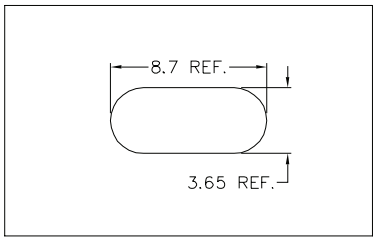




Recommended PCB Layout
Top View

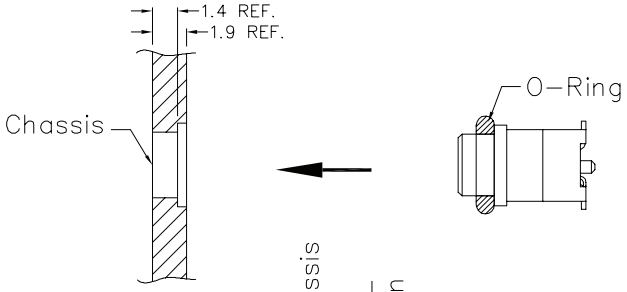
### O-ring (P/N: OR-10)

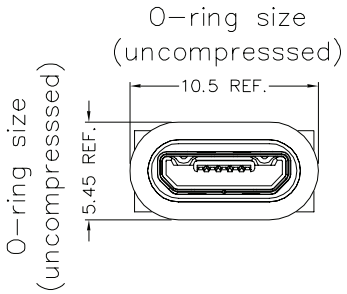


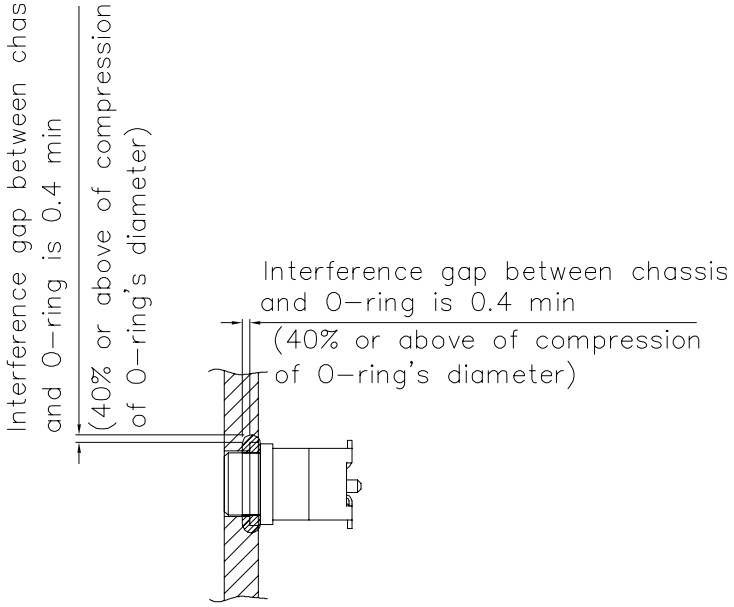
## ASSEMBLY REFERENCE




Top View



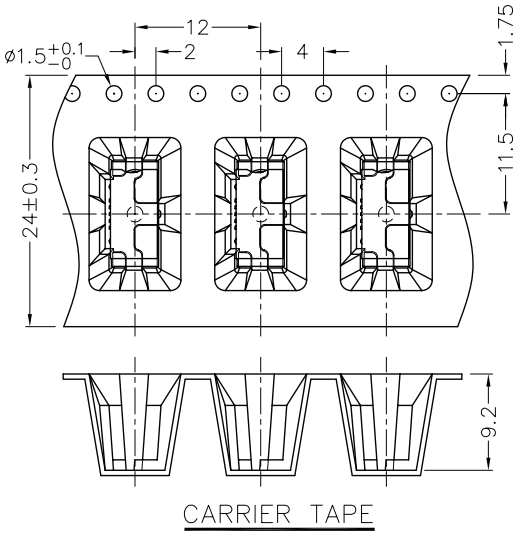



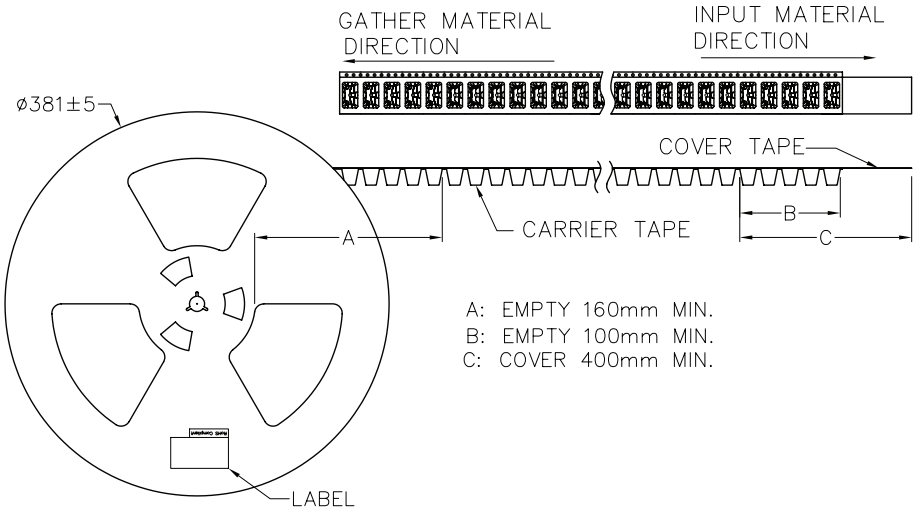

After assembling on chassis

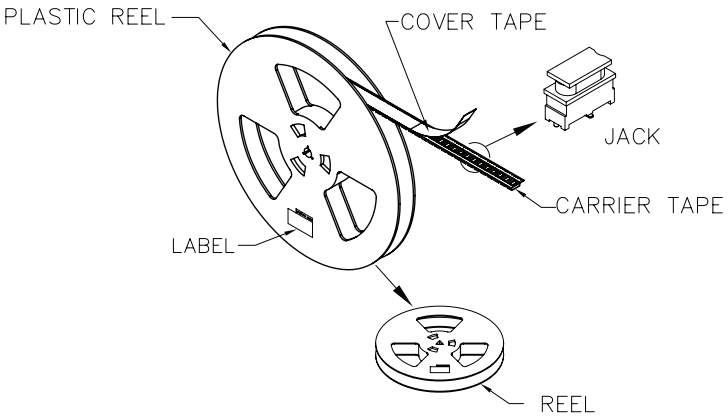
## PACKAGING

units: mm

Reel Size: Ø381 mm
Reel QTY: 800 pcs per reel



## REVISION HISTORY

| rev. | description | date |
|---|---|---|
| 1.0 | initial release | 12/05/2018 |
| 1.01 | brand update | 01/27/2020 |
| 1.02 | added USB standard, added o-ring p/n | 04/07/2022 |
| 1.03 | logo, datasheet style update | 08/05/2022 |
| 1.04 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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

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