

**MODEL:** UJ2-MIBH-3-MSMT-TR-67 | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- IP67 waterproof
- USB micro B type receptacle
- USB 2.0
- mid surface mount - reverse mount

**SPECIFICATIONS**

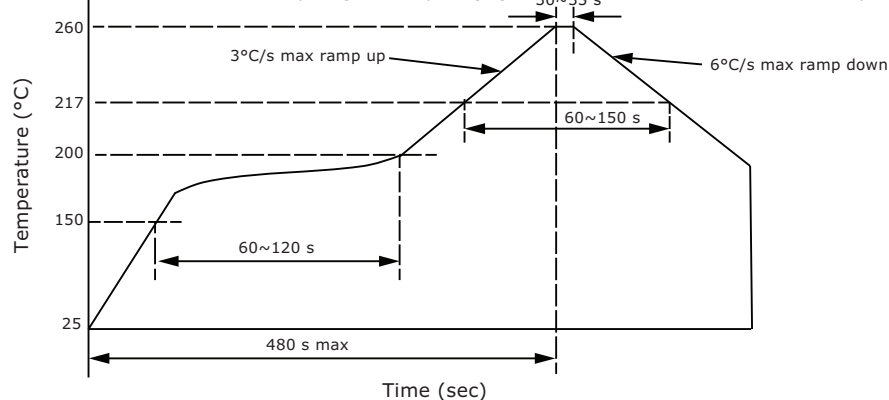
| parameter                       | conditions/description                 | min | typ    | max | units  |
|---------------------------------|----------------------------------------|-----|--------|-----|--------|
| USB standard                    | USB 2.0                                |     |        |     |        |
| rated input voltage             |                                        |     |        | 30  | Vdc    |
| rated input current             |                                        |     |        | 1.8 | A      |
| contact resistance <sup>1</sup> | between terminals and mating plug      |     |        | 30  | mΩ     |
| insulation resistance           | at 500 Vdc between adjacent contacts   | 100 |        |     | MΩ     |
| voltage withstand               | for 1 minute between adjacent contacts |     |        | 100 | Vac    |
| insertion force                 | at a rate of 12.5 mm/min               |     |        | 20  | N      |
| withdrawal force                | at a rate of 12.5 mm/min               | 7   |        |     | N      |
| life                            | at a rate of 500 cycles per hour       |     | 10,000 |     | cycles |
| operating temperature           |                                        | -30 |        | 85  | °C     |
| flammability rating             | UL94V-0                                |     |        |     |        |
| RoHS                            | yes                                    |     |        |     |        |
| IP level                        | IP67                                   |     |        |     |        |

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

**SOLDERABILITY**

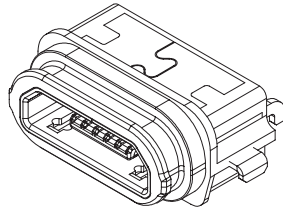
| parameter                     | conditions/description    | min | typ | max | units |
|-------------------------------|---------------------------|-----|-----|-----|-------|
| reel storage                  | at relative humidity <60% |     |     | 30  | °C    |
| reflow soldering <sup>2</sup> | see reflow profile        |     | 260 | 270 | °C    |

Note: 2. It is recommended to reflow solder within 72 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.

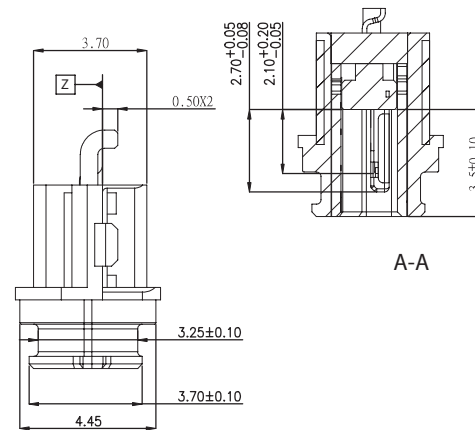
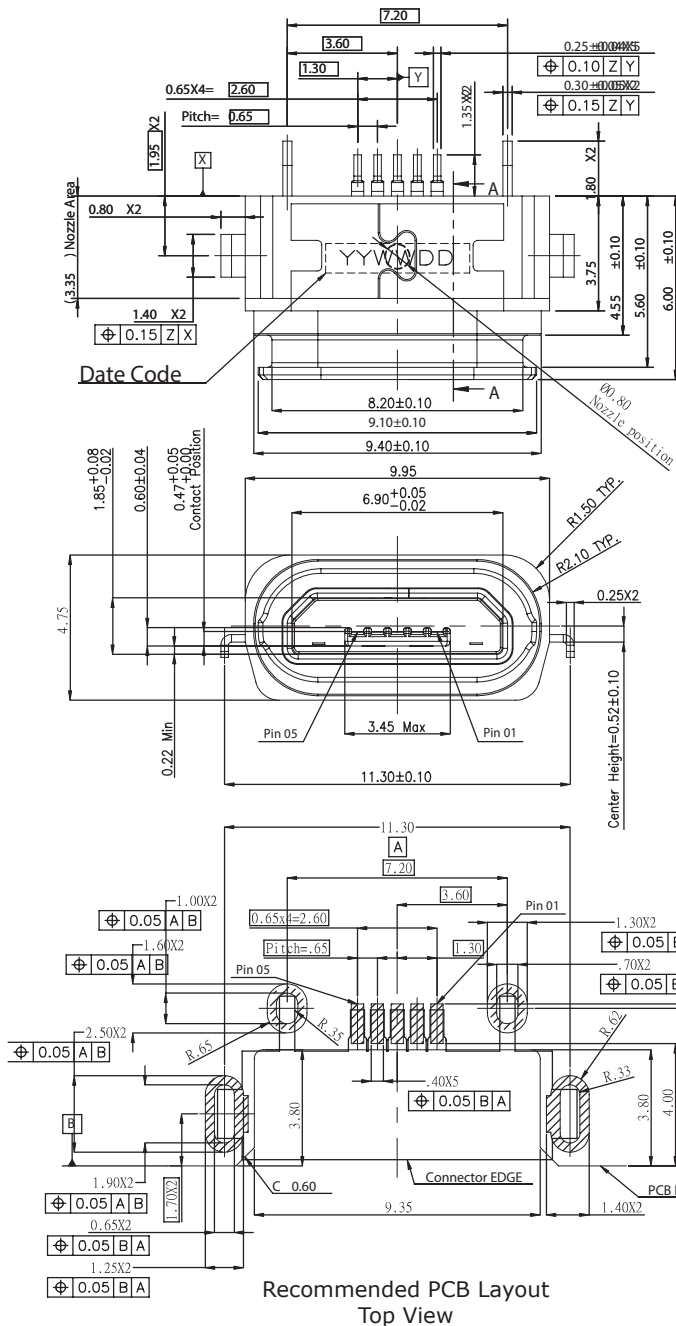


## MECHANICAL DRAWING

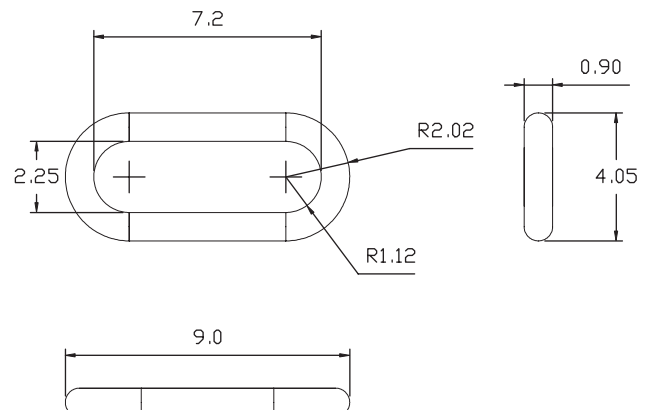
units: mm  
tolerance:  $\pm 0.1$ mm  
PCB:  $\pm 0.05$  mm



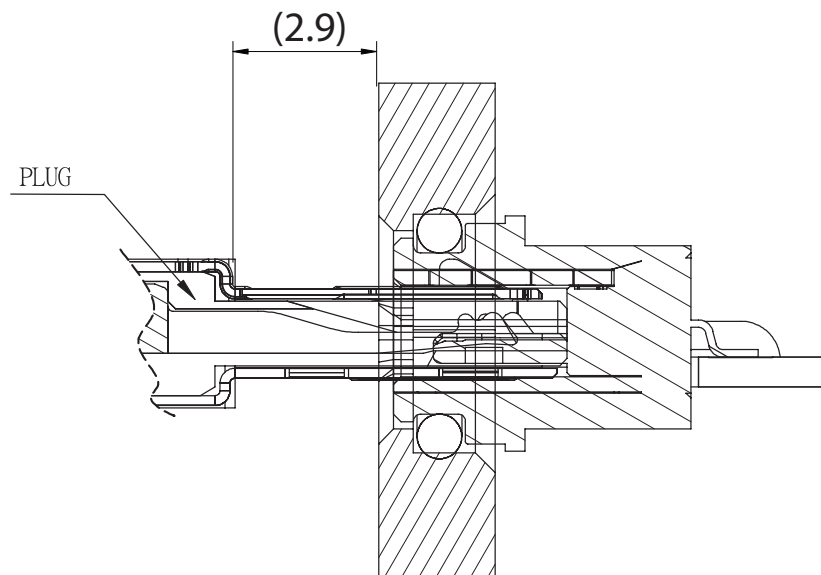
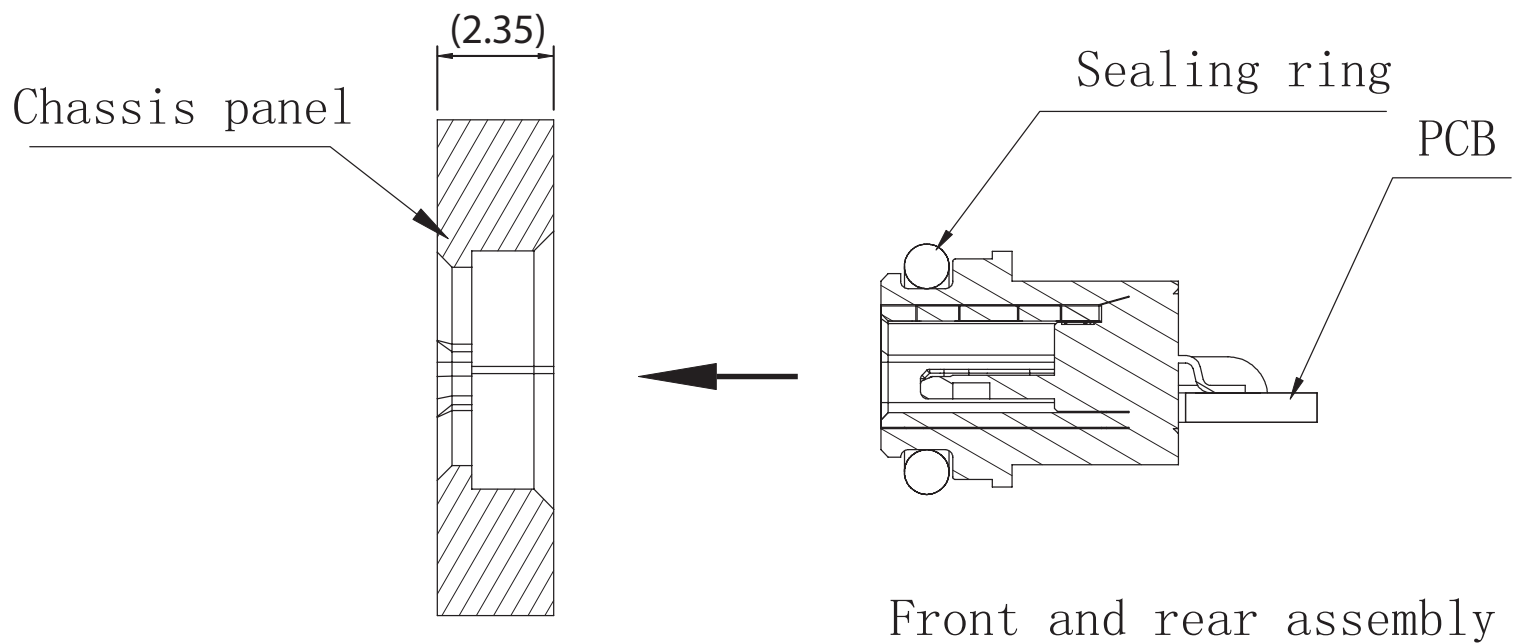
|                  | MATERIAL        | PLATING                                                          |
|------------------|-----------------|------------------------------------------------------------------|
| support          | stainless steel | nickel                                                           |
| out side shell   | stainless steel | tin over nickel                                                  |
| shell            | stainless steel | nickel                                                           |
| contact          | PBS             | contact: 15 $\mu$ " gold<br>solder: 3~5 $\mu$ " gold over nickel |
| out side housing | PA-9T           | black                                                            |
| housing          | PA-9T           | black                                                            |
| o-ring (OR-40)   | silicone        | black                                                            |



### O-ring (P/N: OR-40)



## ASSEMBLY REFERENCE

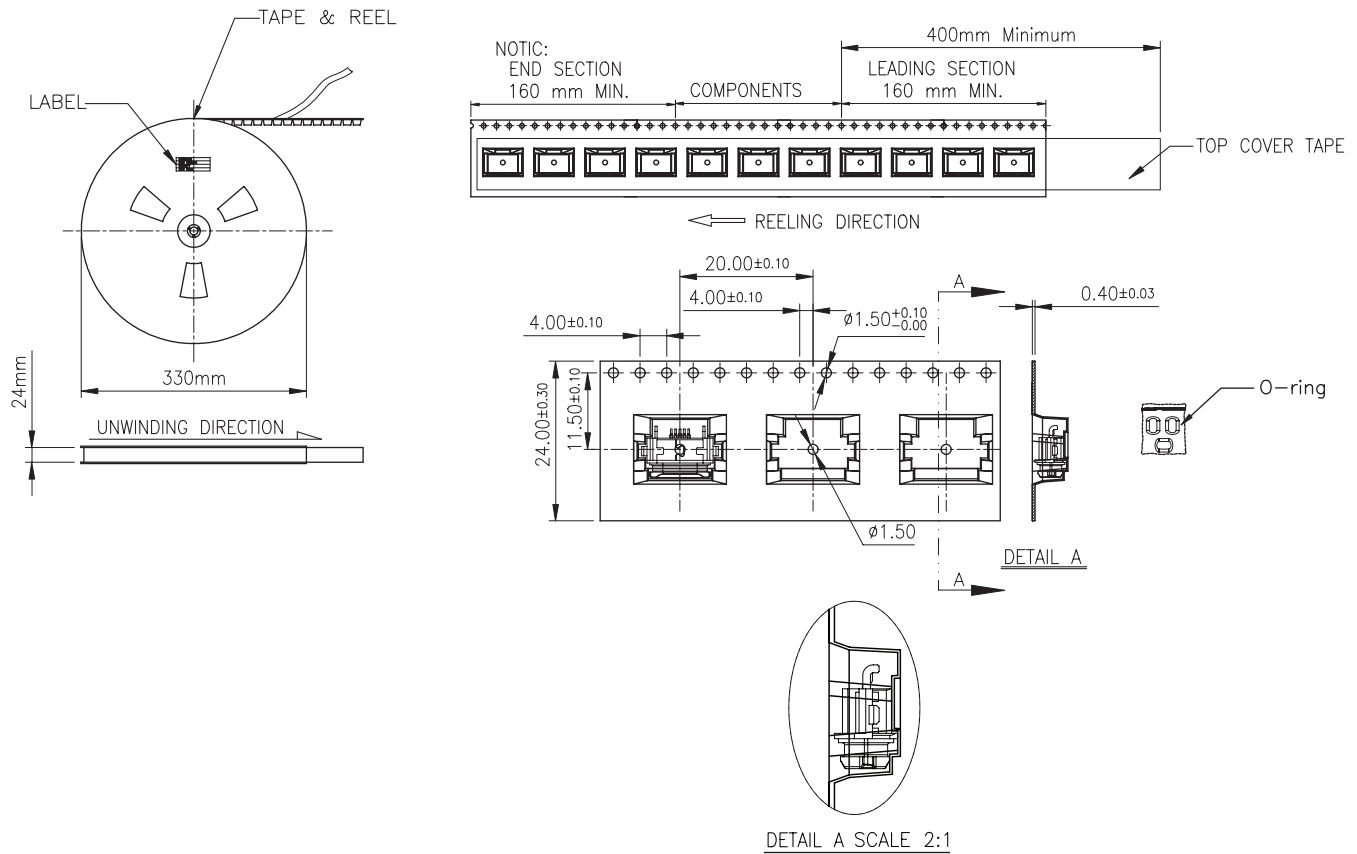


## PACKAGING

units: mm

Reel Size: Ø330 mm

Reel QTY: 700 pcs per reel



## REVISION HISTORY

| rev. | description                          | date       |
|------|--------------------------------------|------------|
| 1.0  | initial release                      | 12/11/2018 |
| 1.01 | brand update                         | 01/27/2020 |
| 1.02 | added USB standard, added o-ring p/n | 04/07/2022 |

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

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