

**MODEL:** UJC-HP-G-5-SMT-TR | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- designed for power only applications
- reflow solder compatible
- tape & reel packaging

**SPECIFICATIONS**

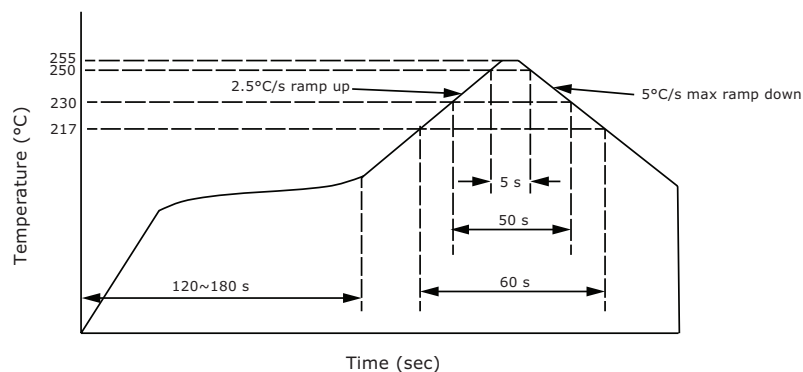
| parameter                       | conditions/description                     | min | typ   | max  | units  |
|---------------------------------|--------------------------------------------|-----|-------|------|--------|
| rated input voltage             |                                            |     |       | 20   | Vdc    |
| rated input current             | as per EIA-364-70, Method B                |     |       |      |        |
|                                 | power pins collectively [A9, A12, B9, B12] |     |       | 3.0  | A      |
|                                 | VCDNN pins individually [A5, B5]           |     |       | 1.25 | 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                 | at a rate of 12.5 mm/min                   | 5   |       | 20   | N      |
| withdrawal force                | at a rate of 12.5 mm/min                   | 8   |       | 20   | N      |
| life                            | at a rate of 200 cycles per hour           |     | 5,000 |      | cycles |
| operating temperature           |                                            | -30 |       | 85   | °C     |
| flammability rating             | UL94V-0                                    |     |       |      |        |
| RoHS                            | yes                                        |     |       |      |        |

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.

**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    |

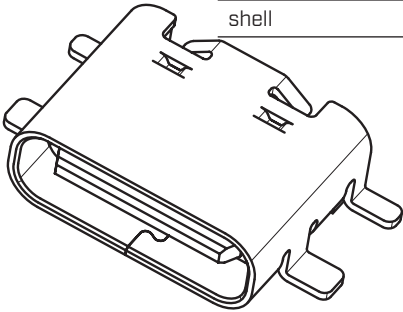
Note: 3. It is recommended to reflow solder within 3 months from opening vacuum packaging at a temperature of 25~30°C & relative humidity 65~70%.



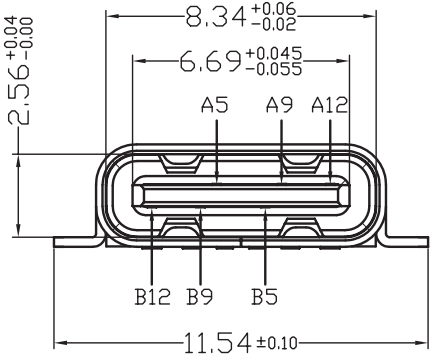
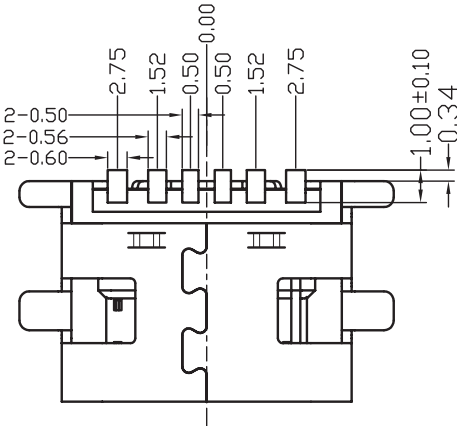
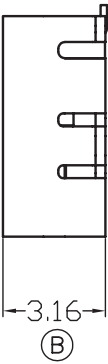
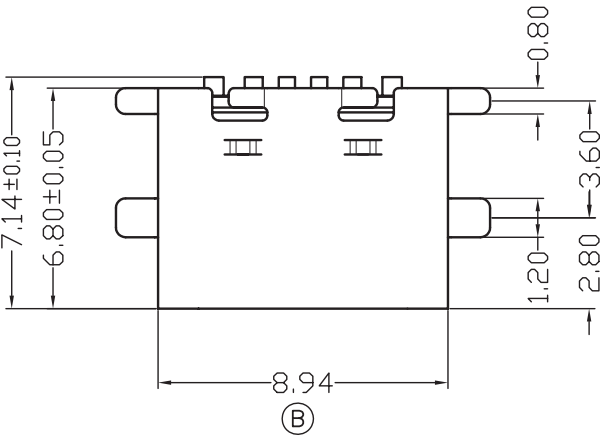
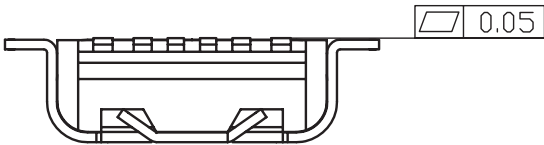
MECHANICAL DRAWING

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 noted

|           | MATERIAL        | PLATING                                                        |
|-----------|-----------------|----------------------------------------------------------------|
| insulator | LCP [UL94V-0]   | black                                                          |
| contact   | copper alloy    | contact area: gold flash<br>solder area: matte tin over nickel |
| shell     | stainless steel | nickel                                                         |



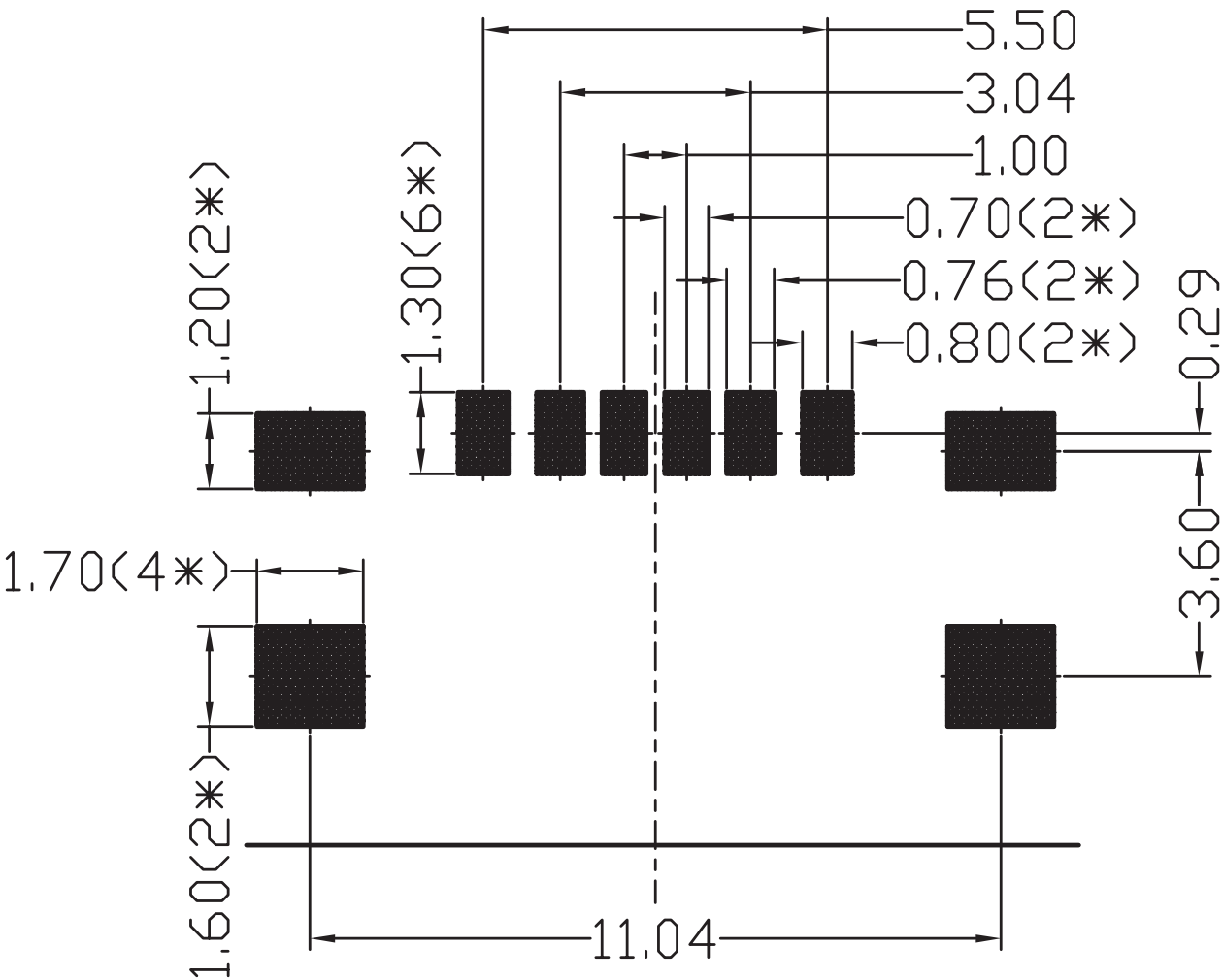
| PIN CONNECTIONS |             |     |             |
|-----------------|-------------|-----|-------------|
| PIN             | SIGNAL NAME | PIN | SIGNAL NAME |
| A5              | CC1         | B5  | CC2         |
| A9              | Vbus        | B9  | Vbus        |
| A12             | GND         | B12 | GND         |



MECHANICAL DRAWING (CONTINUED)

units: mm  
PCB tolerance: ±0.05 mm  
PCB thickness: 0.8 mm

| PIN CONNECTIONS |                  |     |                  |
|-----------------|------------------|-----|------------------|
| PIN             | SIGNAL NAME      | PIN | SIGNAL NAME      |
| A5              | CC1              | B5  | CC2              |
| A9              | V <sub>BUS</sub> | B9  | V <sub>BUS</sub> |
| A12             | GND              | B12 | GND              |



Recommended PCB Layout  
Top View

## PACKAGING

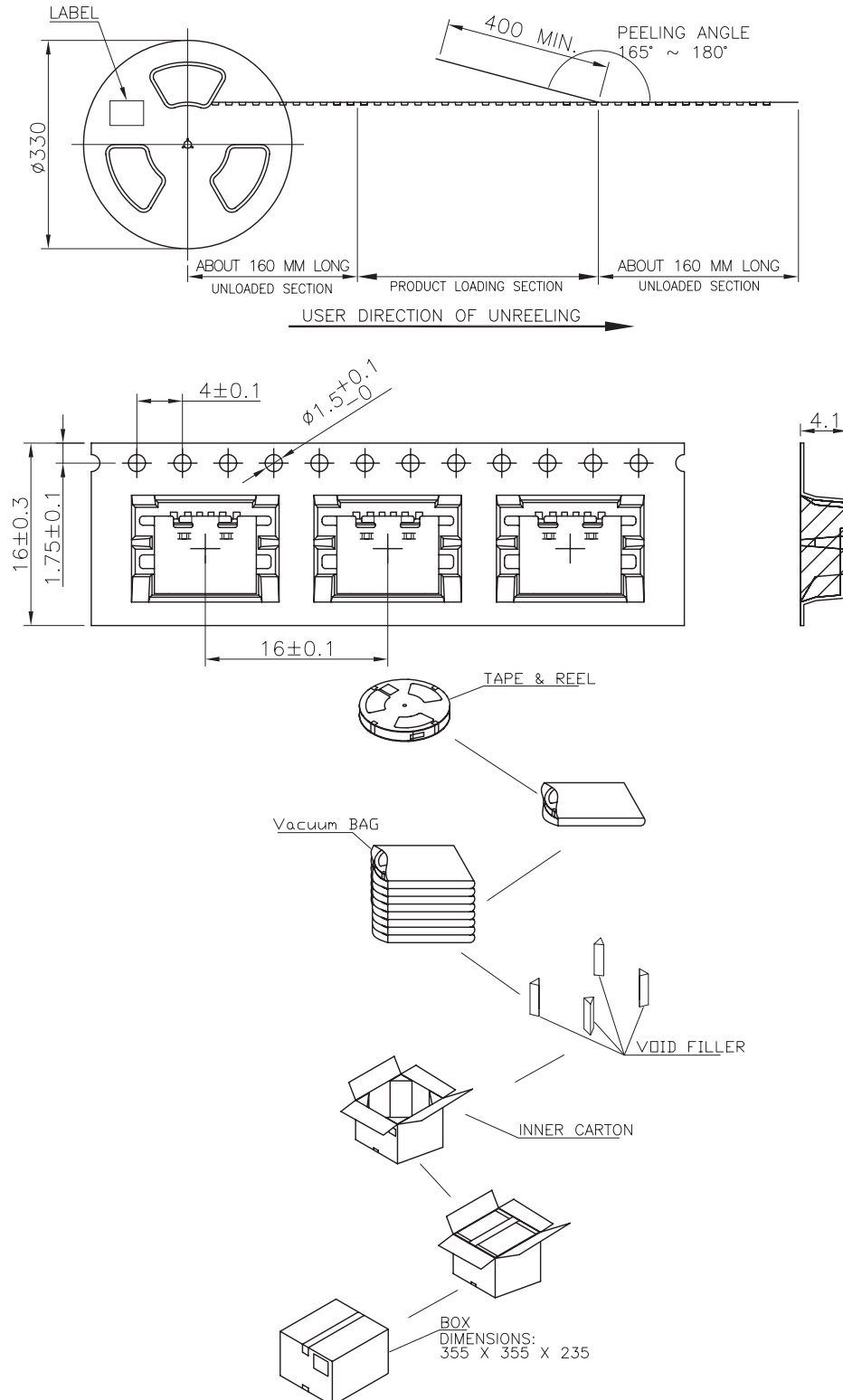
units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 1,000 pcs per reel

Carton Size: 355 x 355 x 235 mm

Carton QTY: 10,000 pcs



REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 06/16/2022 |
| 1.01 | logo, datasheet style update      | 10/11/2022 |
| 1.02 | added dimensions to PCB layout    | 03/03/2023 |
| 1.03 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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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