

**MODEL:** UJ20-C-H-G-MSMT-R-3C-P16-TR | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- USB 2.0
- 480 Mbit/s data transfer speed
- reflow solder compatible
- tape & reel packaging

**SPECIFICATIONS**

| parameter                       | conditions/description                                     | min | typ    | max  | units  |
|---------------------------------|------------------------------------------------------------|-----|--------|------|--------|
| USB standard                    | USB 2.0                                                    |     |        |      |        |
| 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] |     |        | 3.0  | 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                                  | 100 |        |      | Vac    |
| insertion force                 | at a rate of 30 mm/min                                     | 5   |        | 20   | N      |
| withdrawal force                | at a rate of 30 mm/min                                     | 8   |        | 20   | N      |
| life                            | at a rate of 500 cycles per hour                           |     | 10,000 |      | cycles |
| operating temperature           |                                                            | -25 |        | 85   | °C     |
| flammability rating             | UL94V-0                                                    |     |        |      |        |
| RoHS                            | yes                                                        |     |        |      |        |

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

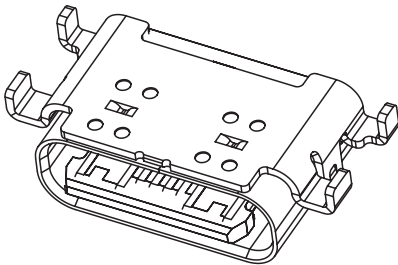
**SOLDERABILITY**

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

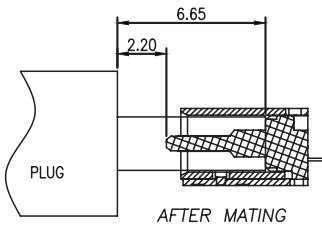
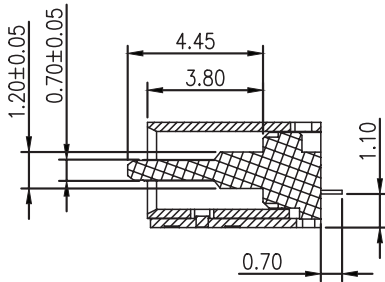
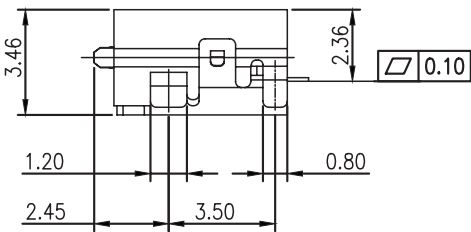
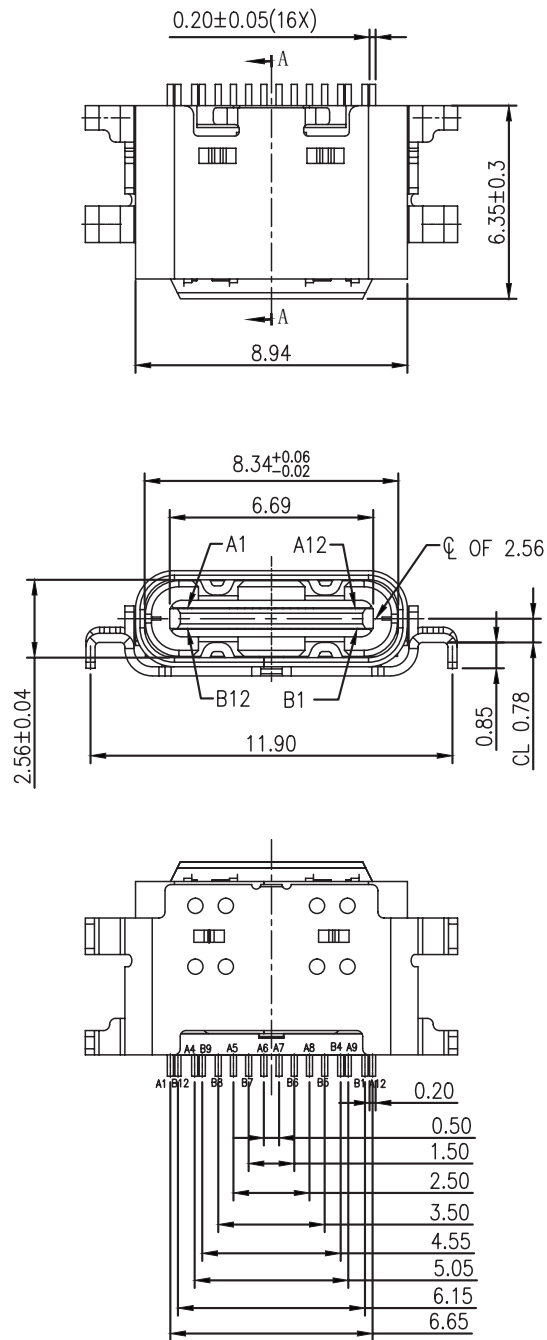


MECHANICAL DRAWING

units: mm  
tolerance:  
X.X  $\pm 0.38$  mm  
X.XX  $\pm 0.25$  mm  
X.XXX  $\pm 0.15$  mm  
unless otherwise specified



| DESCRIPTION | MATERIAL       | PLATING/COLOR                                                                                               |
|-------------|----------------|-------------------------------------------------------------------------------------------------------------|
| housing     | PA9T [UL94V-0] | black                                                                                                       |
| contact     | C1814          | contact area: 1 $\mu$ " gold<br>over 50 $\mu$ " nickel<br>solder area: gold flash<br>over 50 $\mu$ " nickel |
| shell       | SUS304         | 30 $\mu$ " nickel                                                                                           |
| mid plate   | SUS301         | --                                                                                                          |
| cover       | SUS304         | 30 $\mu$ " nickel                                                                                           |



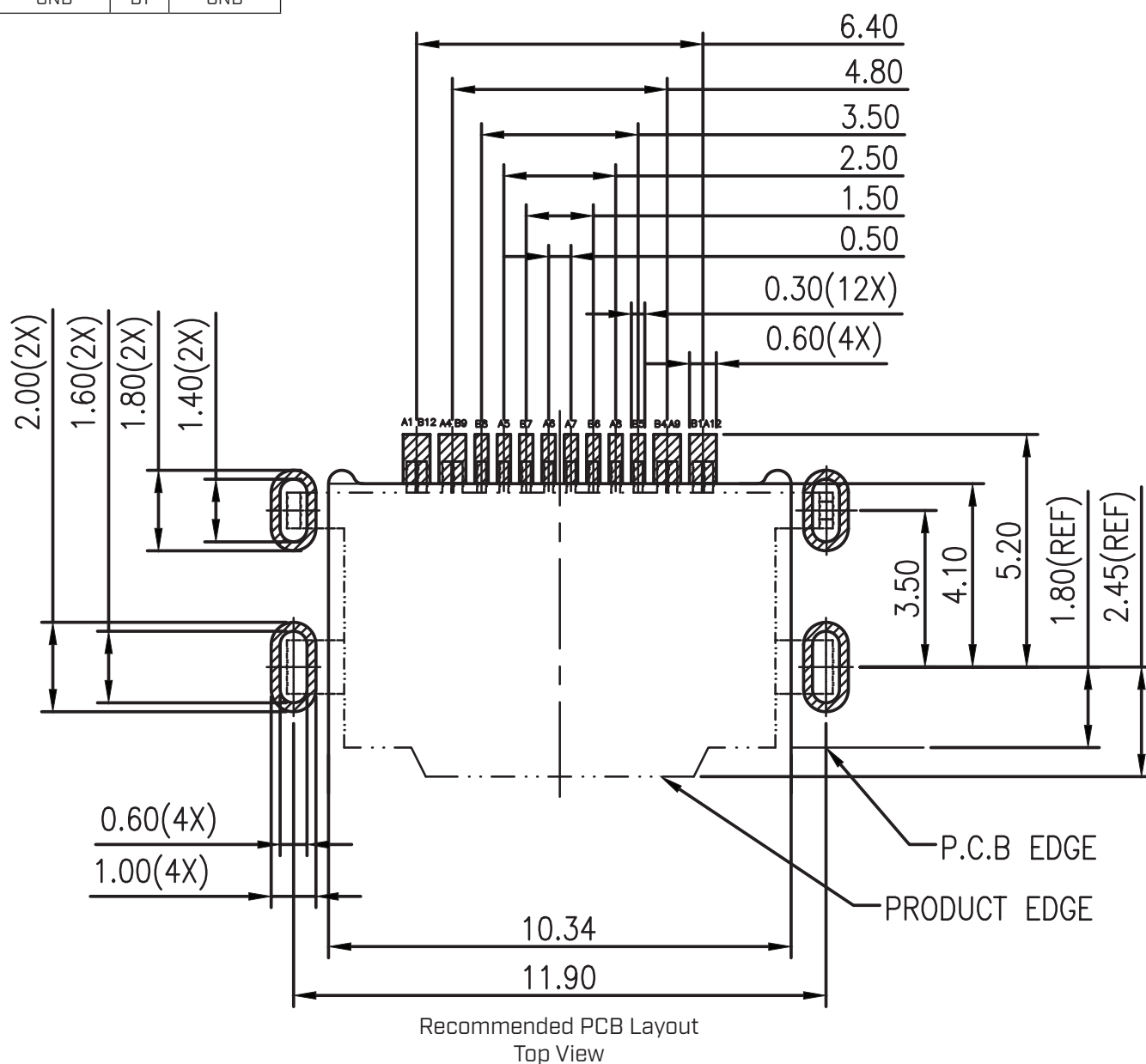
## MECHANICAL DRAWING (CONTINUED)

units: mm

PCB tolerance:  $\pm 0.05$  mm

PCB thickness: 0.8 mm

| PIN CONNECTIONS |             |     |             |
|-----------------|-------------|-----|-------------|
| PIN             | SIGNAL NAME | PIN | SIGNAL NAME |
| A1              | GND         | B12 | GND         |
| A4              | VBUS        | B9  | VBUS        |
| A5              | CC1         | B8  | SBU2        |
| A6              | Dp1         | B7  | Dn2         |
| A7              | Dn1         | B6  | Dp2         |
| A8              | SBU1        | B5  | CC2         |
| A9              | VBUS        | B4  | VBUS        |
| A12             | GND         | B1  | GND         |



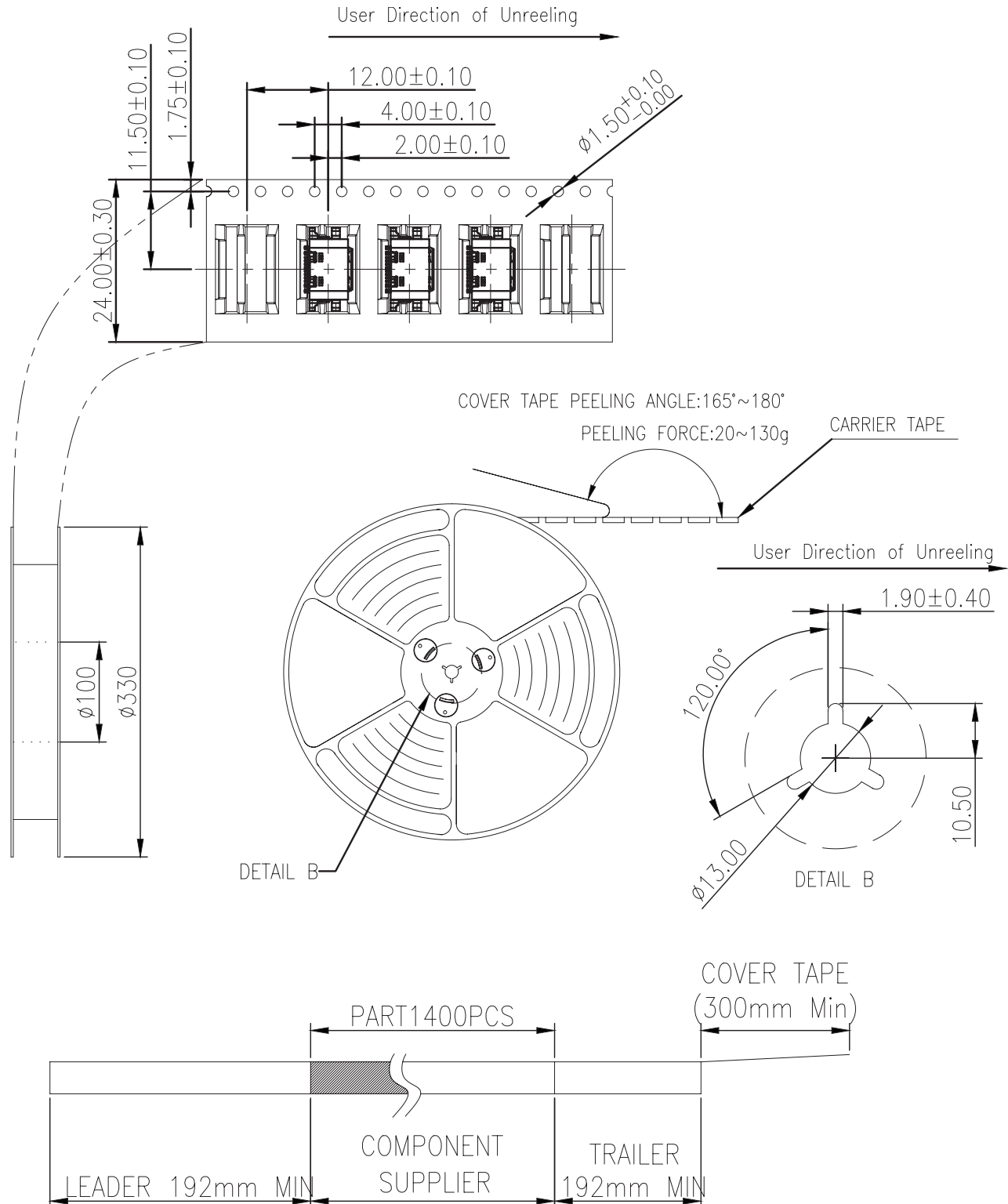
## PACKAGING

units: mm

Reel Size:  $\varnothing 330$  mm

Reel QTY: 1,400 pcs per reel

Carton QTY: 14,000 pcs



REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 11/03/2025 |

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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