

**MODEL:** UJ2-AH-4-TH | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB type A jack
- USB 2.0
- horizontal orientation
- through hole mounting

**SPECIFICATIONS**

| parameter                       | conditions/description            | min  | typ   | max | units  |
|---------------------------------|-----------------------------------|------|-------|-----|--------|
| USB standard                    | USB 2.0                           |      |       |     |        |
| rated input voltage             |                                   |      |       | 30  | Vac    |
| rated input current             |                                   |      |       | 1.0 | A      |
| contact resistance <sup>1</sup> | between terminals and mating plug |      |       | 30  | mΩ     |
| insulation resistance           |                                   | 1000 |       |     | MΩ     |
| voltage withstand               | for 1 minute                      |      |       | 500 | Vac    |
| insertion force                 |                                   |      |       | 35  | N      |
| withdrawal force                |                                   | 10   |       |     | N      |
| operating temperature           |                                   | -20  |       | 85  | °C     |
| life                            |                                   |      | 1,500 |     | cycles |
| flammability rating             | UL94V-0                           |      |       |     |        |
| RoHS                            | yes                               |      |       |     |        |

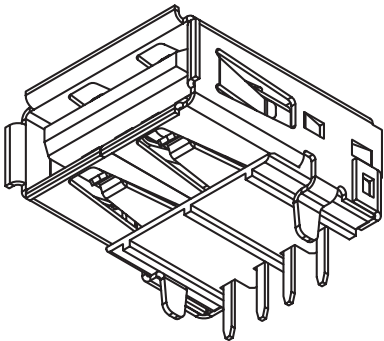
Note: 1. When measured at 20 mV / 100 mA.  
2. All specifications measured at 15~35°C, humidity at 25~85%, under atmospheric pressure of 86~106 kPa, unless otherwise noted.

**SOLDERABILITY**

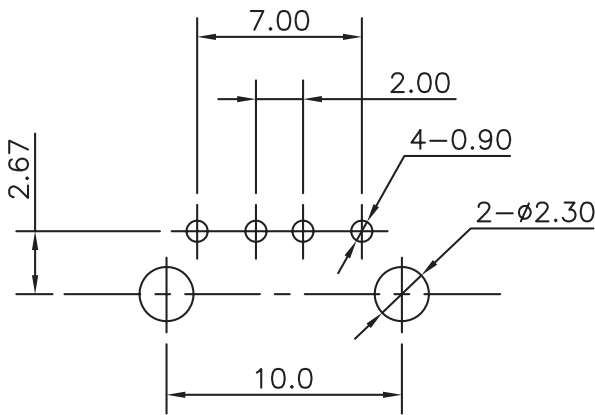
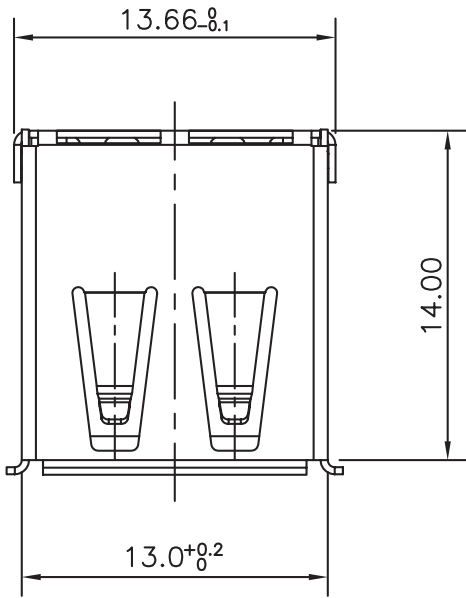
| parameter      | conditions/description                  | min | typ | max | units |
|----------------|-----------------------------------------|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 ±0.5 seconds |     | 240 |     | °C    |

MECHANICAL DRAWING

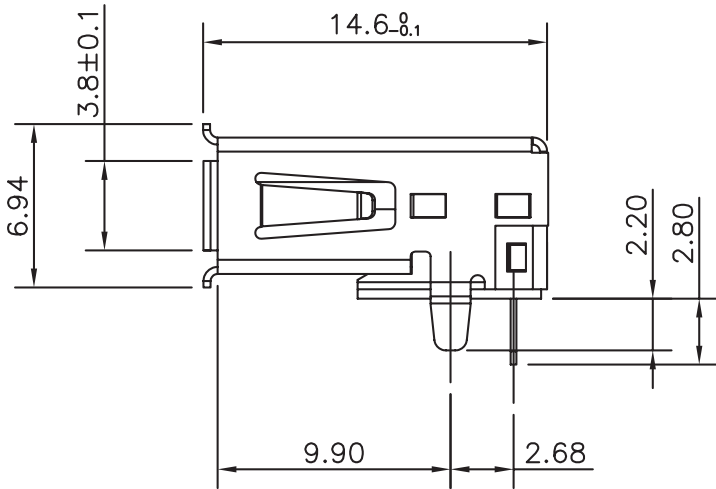
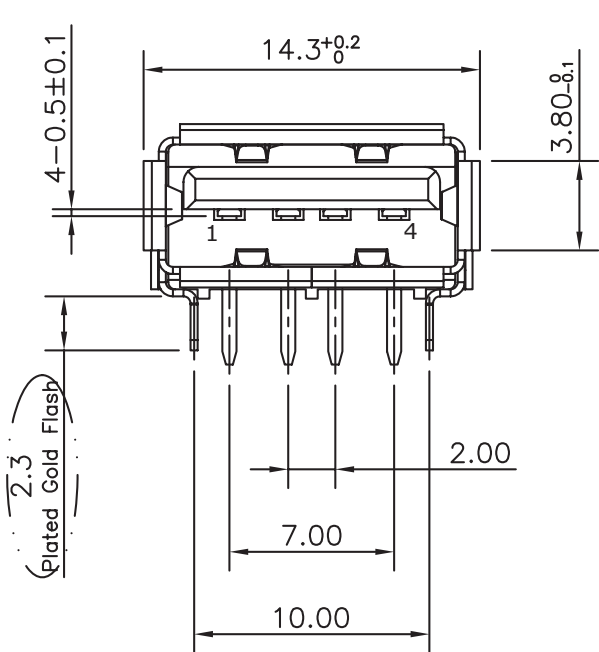
units: mm  
tolerance:  
X.X ±0.38 mm  
X.XX ±0.25 mm



|                   | MATERIAL        | PLATING                                                    |
|-------------------|-----------------|------------------------------------------------------------|
| contact terminals | phosphor bronze | contact: 30 μ" gold over nickel<br>solder: tin over nickel |
| shield            | steel           | pins: gold flash over nickel                               |
| insulator         | PBT (black)     |                                                            |



Recommended PCB Layout  
Top View



REVISION HISTORY

| rev. | description                        | date       |
|------|------------------------------------|------------|
| 1.0  | initial release                    | 08/05/2016 |
| 1.01 | brand update                       | 02/05/2020 |
| 1.02 | added gold flashing to shield pins | 05/18/2021 |
| 1.03 | added USB standard                 | 04/07/2022 |
| 1.04 | logo, datasheet style update       | 08/05/2022 |
| 1.05 | 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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