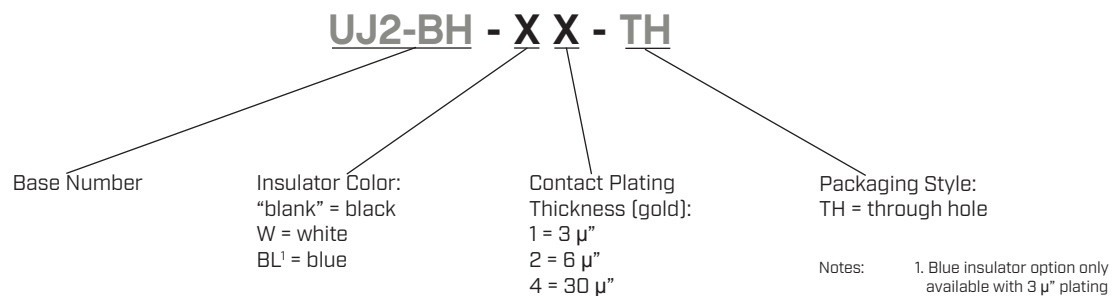


**SERIES:** UJ2-BH-TH | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB type B jack
- USB 2.0
- horizontal orientation
- through hole mounting
- insulator color options

**PART NUMBER KEY****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  | m $\Omega$ |
| insulation resistance           |                                   | 1000 |       |     | M $\Omega$ |
| 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**

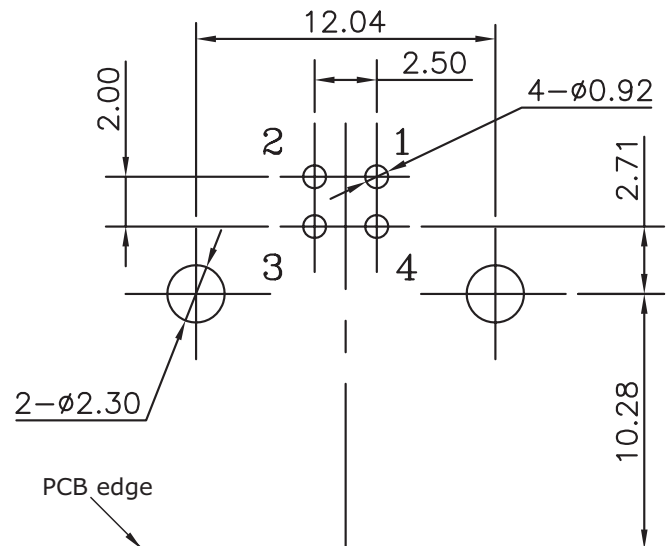
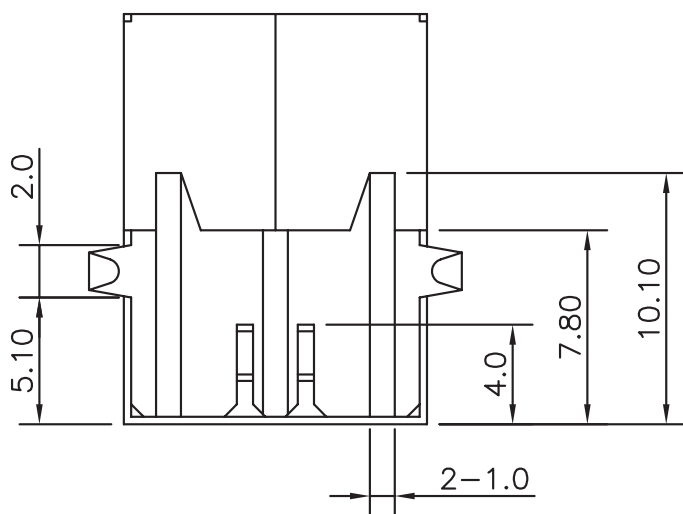
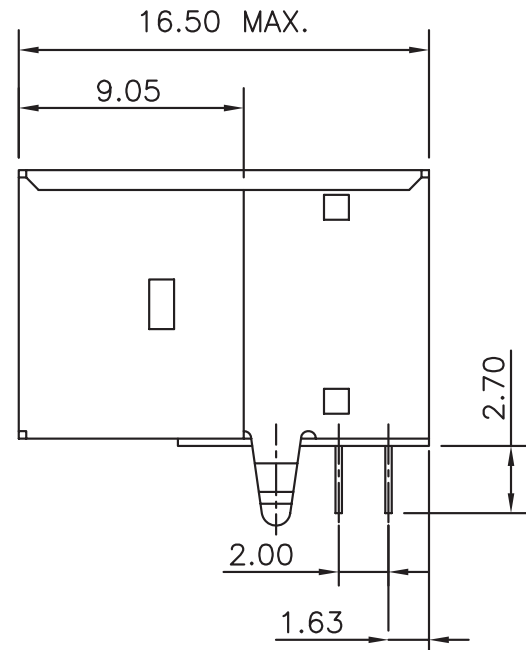
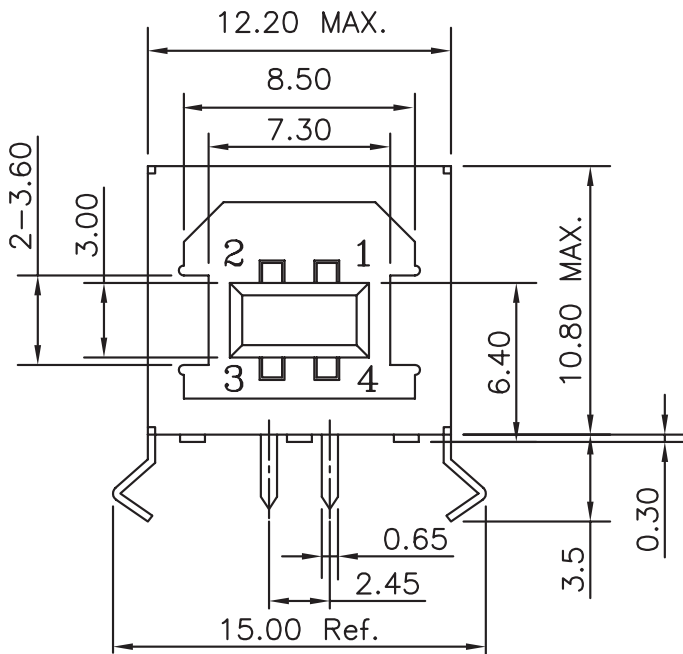
| parameter      | conditions/description                       | min | typ | max | units |
|----------------|----------------------------------------------|-----|-----|-----|-------|
| wave soldering | dipped in solder pot for 5 $\pm$ 0.5 seconds |     | 240 |     | °C    |

## MECHANICAL DRAWING

units: mm  
tolerance:  
X.X  $\pm 0.38$  mm  
X.XX  $\pm 0.25$  mm

|                        | MATERIAL        | PLATING                                              |
|------------------------|-----------------|------------------------------------------------------|
| contact terminals      | phosphor bronze | contact: gold over nickel<br>solder: tin over nickel |
| shield                 | brass           | nickel                                               |
| insulator <sup>1</sup> | PBT             |                                                      |

Note 1. White insulator with 6  $\mu$ " gold plating option is FR52.



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 USB standard                | 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.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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