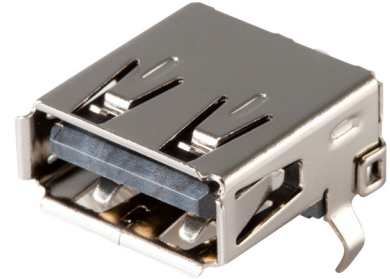


**MODEL:** UJ2-A-HR-G-TH | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type A receptacle
- board lock
- USB 2.0

**SPECIFICATIONS**

| parameter                       | conditions/description            | min  | typ   | max | units  |
|---------------------------------|-----------------------------------|------|-------|-----|--------|
| USB standard                    | USB 2.0                           |      |       |     |        |
| rated input voltage             |                                   |      |       | 5   | Vdc    |
| rated input current             |                                   |      |       | 1.5 | A      |
| contact resistance <sup>1</sup> | between terminals and mating plug |      |       | 30  | mΩ     |
| insulation resistance           | between adjacent contacts         | 1000 |       |     | MΩ     |
| voltage withstand               | between adjacent contacts         | 500  |       |     | Vac    |
| insertion force                 |                                   |      |       | 35  | N      |
| withdrawal force                |                                   | 10   |       |     | N      |
| life                            |                                   |      | 1,500 |     | cycles |
| operating temperature           |                                   | -40  |       | 85  | °C     |
| flammability rating             | UL94V-0                           |      |       |     |        |
| RoHS                            | yes                               |      |       |     |        |

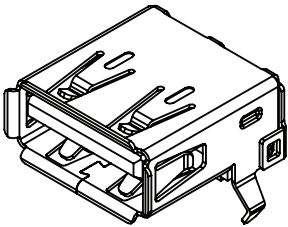
Note: 1. When measured at 20 mV / 100 mA.  
2. All specifications measured at 10-35°C, humidity at 45-85%, under standard atmospheric pressure, unless otherwise noted.

**SOLDERABILITY**

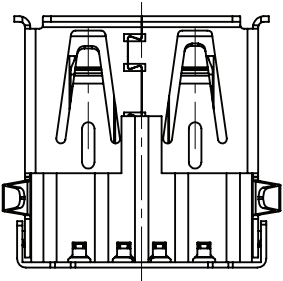
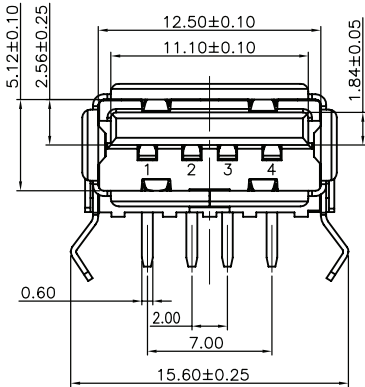
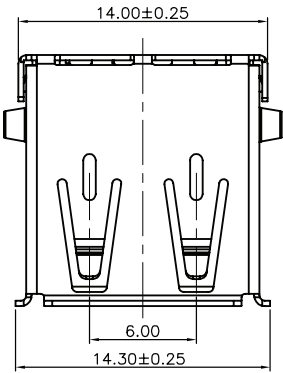
| parameter      | conditions/description | min | typ | max | units |
|----------------|------------------------|-----|-----|-----|-------|
| wave soldering | for 3-7 seconds        | 255 | 265 | 275 | °C    |

MECHANICAL DRAWING

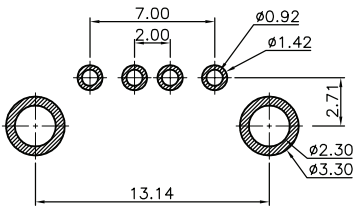
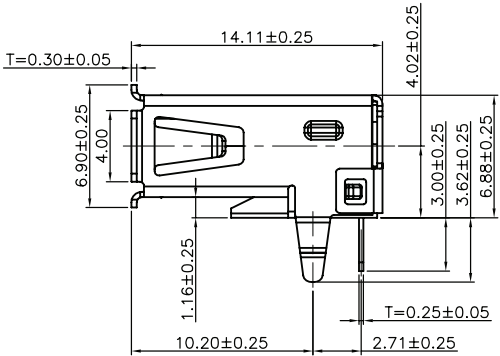
units: mm  
tolerance:  
X,  $\pm 0.50$  mm  
X.X  $\pm 0.30$  mm  
X.XX  $\pm 0.20$  mm  
X.XXX  $\pm 0.10$  mm  
unless otherwise specified



| PIN CONNECTIONS |             |                           |                 |
|-----------------|-------------|---------------------------|-----------------|
| PIN             | SIGNAL NAME | DESCRIPTION               | MATING SEQUENCE |
| 1               | Vbus        | POWER                     | SECOND          |
| 2               | D-          | USB 2.0 DIFFERENTIAL PAIR | THIRD           |
| 3               | D+          |                           |                 |
| 4               | GND         | GROUND FOR POWER RETURN   | SECOND          |
| SHELL           | SHIELD      | CONNECTOR METAL SHELL     | FIRST           |



| DESCRIPTION | MATERIAL                        | PLATING/COLOR                                                        |
|-------------|---------------------------------|----------------------------------------------------------------------|
| insulator   | LCP (UL94V-0)                   | black                                                                |
| contact     | C2680 copper alloy<br>t=0.25 mm | contact area: gold<br>flash<br>solder area: matte<br>tin over nickel |
| shell       | C2680 copper alloy<br>t=0.30 mm | nickel                                                               |



Recommended PCB Layout  
Top View

REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 08/23/2023 |
| 1.01 | 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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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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