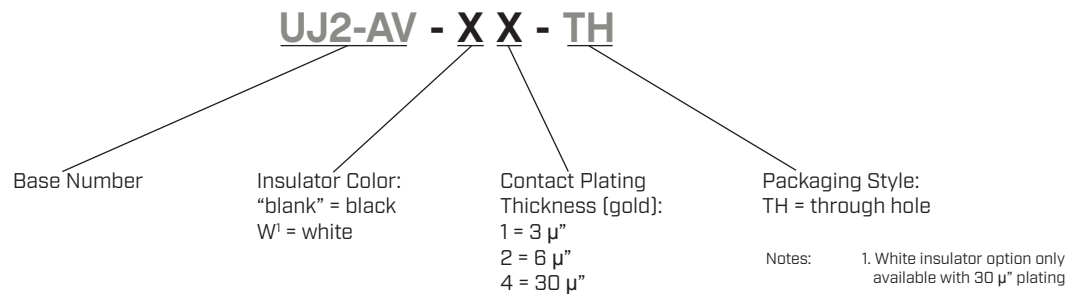


**SERIES:** UJ2-AV-TH | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

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

**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.

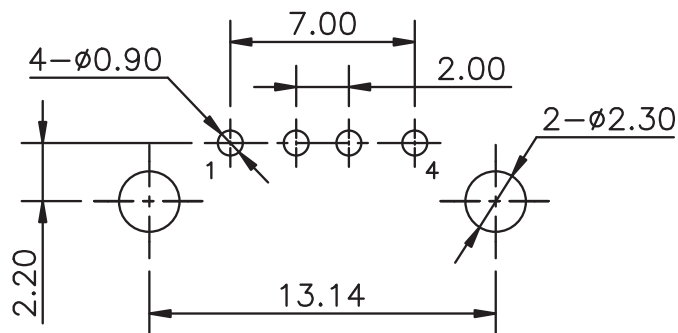
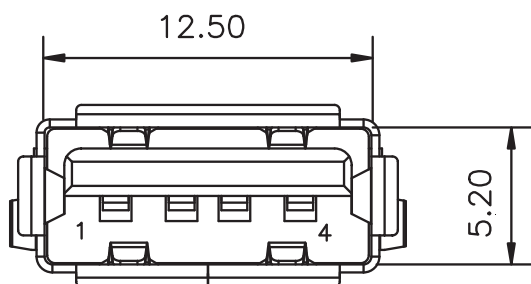
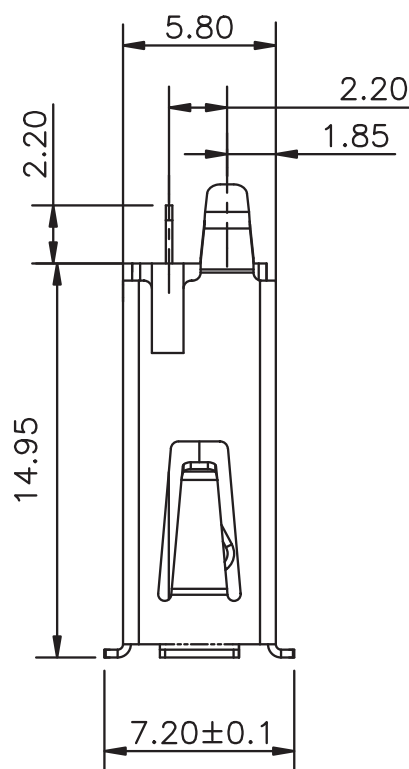
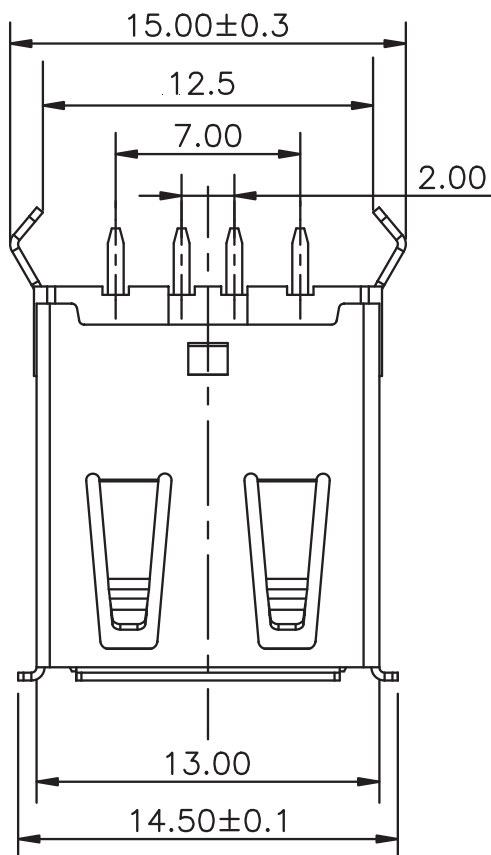
**SOLDERABILITY**

| 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            | steel           | nickel                                               |
| insulator         | PBT             |                                                      |



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           | 04/20/2022 |
| 1.03 | logo, datasheet style update | 08/05/2022 |

The revision history provided is for informational purposes only and is believed to be accurate.



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