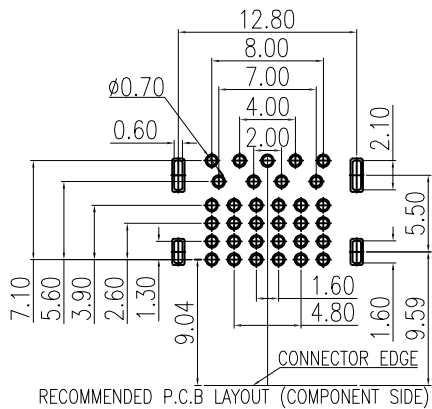
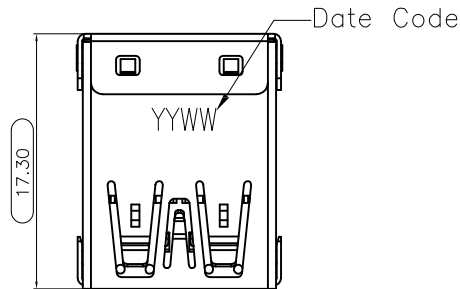
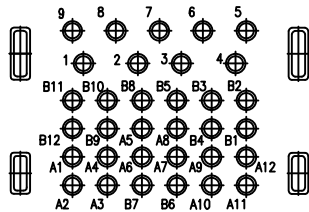
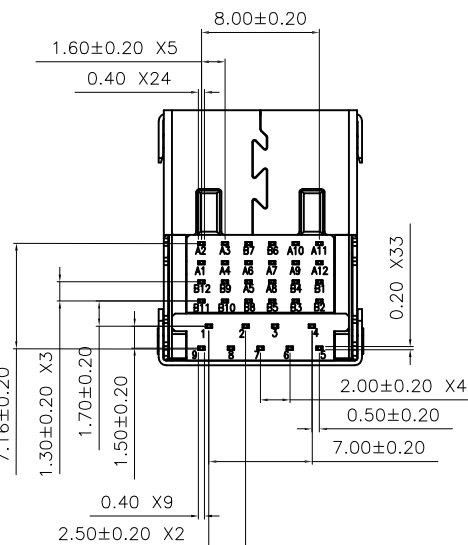
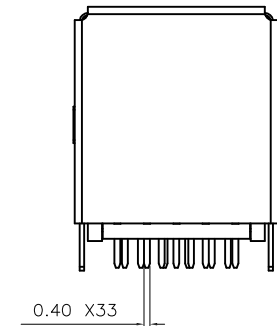
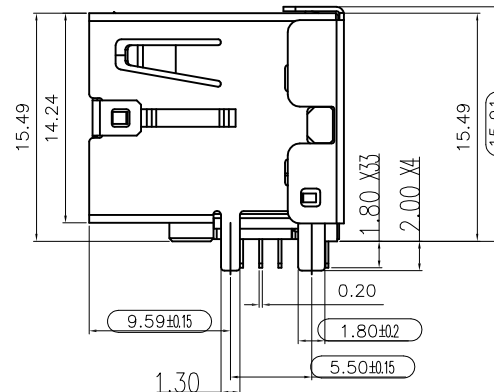
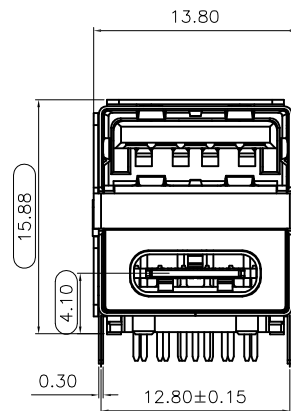


APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

| Rev | AWO # | Description    | Date     | Appr  |
|-----|-------|----------------|----------|-------|
| -   |       | RELEASED       | 11/12/19 |       |
| A   |       | UPDATE DRAWING | 10/22/20 | LH/JL |
| B   |       | UPDATE SPEC.   | 10/19/21 | LH/NP |
| C   |       | UPDATE SPEC.   | 12/10/21 | WX/KC |



T=1.60±0.05mm, DEFAULT TOLERANCE: ±0.05  
RECOMMENDED PCB LAYOUT



#### SPECIFICATIONS:

##### Material:

Insulator: High Temp Thermoplastic, rated UL 94V-0

Insulator color: Black

Contacts: Copper Alloy

Shell: Stainless Steel, SUS304, Nickel plated

##### Plating:

Gold flash over Nickel underplate on contact area,

Tin over Nickel underplate on solder tails

##### Electrical:

Voltage Rated: Type-C: 100 VAC

Current Rated: Type-A: 1.5 A max @250 VAC Min

Type-C: 5 A max @250 VAC Min

Contact resistance: Type A: 30 mohms

Type C: 40 mohms

Insulation resistance: 100 Mohms

Dielectric withstanding voltage: 100 VAC

Temperature Rating:

Operating temperature: -40°C to +85°C

##### Environmental:

Lead free, RoHS compliant.



#### TYPE A PIN DEFINE

| PIN NUMBER | SIGNAL NAME |
|------------|-------------|
| 1          | VBUS        |
| 2          | D-          |
| 3          | D+          |
| 4          | GND         |
| 5          | StdA_SSRX-  |
| 6          | StdA_SSRX+  |
| 7          | GND_DRAIN   |
| 8          | StdA_SSTX-  |
| 9          | StdA_SSTX+  |

#### TYPE C PIN DEFINE

| A       | B       |
|---------|---------|
| 1 GND   | 12 GND  |
| 2 TX1+  | 11 RX1+ |
| 3 TX1-  | 10 RX1- |
| 4 VBUS  | 9 VBUS  |
| 5 CC1   | 8 SBU2  |
| 6 Da+   | 7 Db-   |
| 7 Da-   | 6 Db+   |
| 8 SBU1  | 5 CC2   |
| 9 VBUS  | 4 VBUS  |
| 10 RX2- | 3 TX2-  |
| 11 RX2+ | 2 TX2+  |
| 12 GND  | 1 GND   |

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE INCHES [MM]. TOLERANCES: EXCEPT AS NOTED

| INCHES     | HOLES      |
|------------|------------|
| .X ±.10    | ØX ±.10    |
| .XX ±.020  | ØXX ±.015  |
| .XXX ±.015 | ØXXX ±.010 |

|          |    |          |
|----------|----|----------|
| DRAWN    | LH | 11/12/19 |
| CHECKED  | TW | 11/12/19 |
| APPROVED |    |          |

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH

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TITLE  
UNIVERSAL SERIAL BUS, DUAL PORT, RIGHT ANGLE  
TYPE A 3.0 OVER C 3.1, PCB, TERMINALS

SIZE X PART NO. USB-A3/C31-D-RA-CS1 REV. C

REF: S00013T SCALE: NTS SHEET 1 OF 1