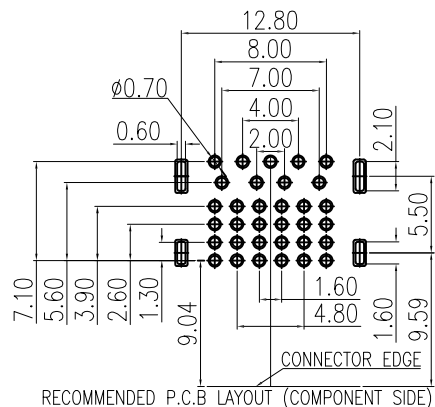
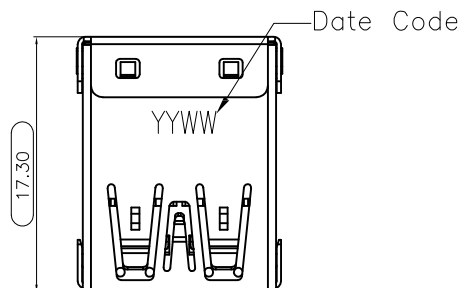
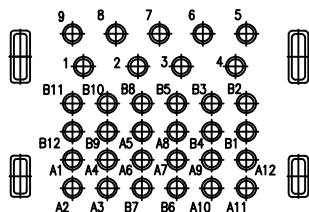


APPROVED: \_\_\_\_\_

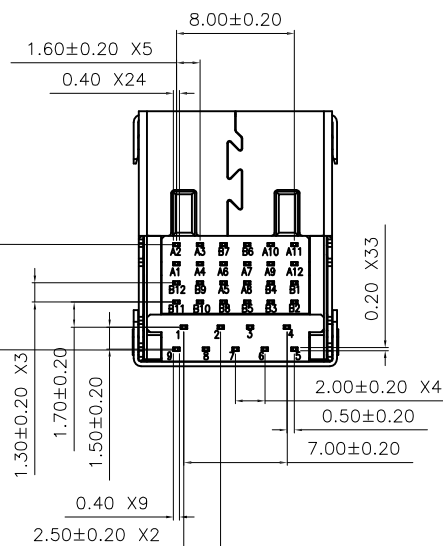
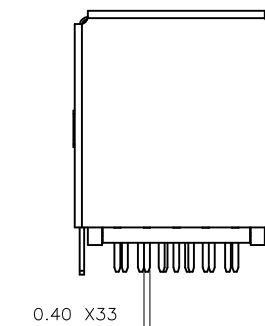
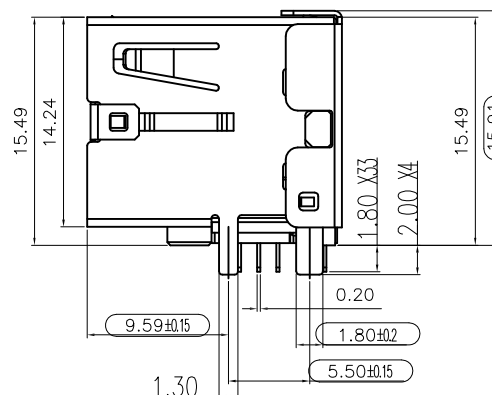
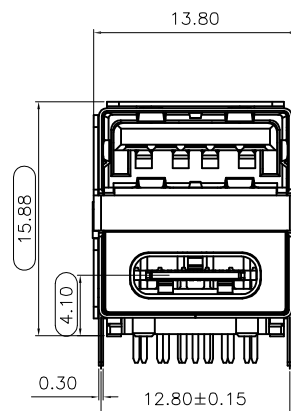
DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

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	D <sub>a</sub> +	7	D <sub>b</sub> -
7	D <sub>a</sub> -	6	D <sub>b</sub> +
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

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