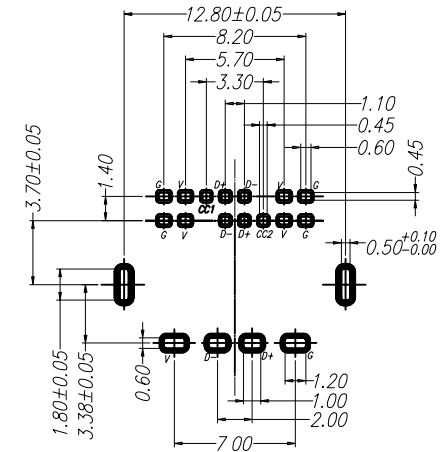
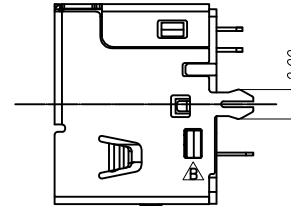
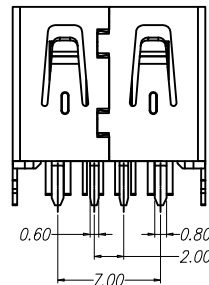
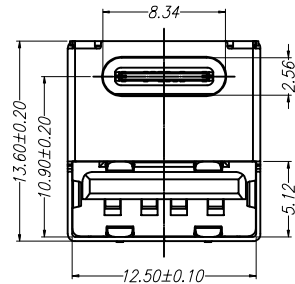
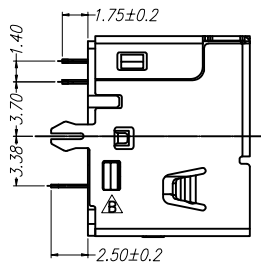
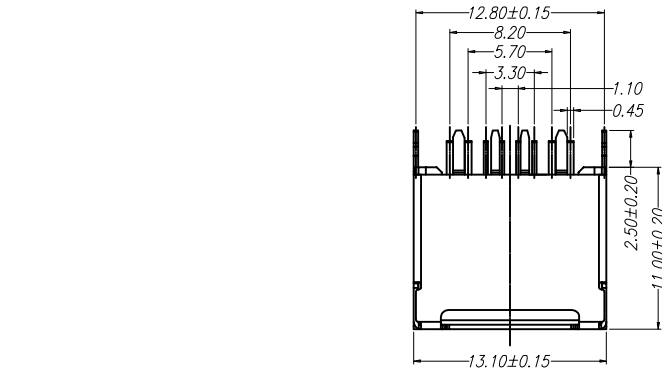


APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/14/19	
A		UPDATE SPEC.	5/18/20	LH/KC
B		UPDATE DRAWING	1/5/24	LH/JL1
C		UPDATE TITLE	5/11/26	WY/RC



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:

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

Insulator color: Black

Contacts: Copper Alloy

Center Piece: Stainless Steel

Shell: Steel, Nickel plated

Clip: Nickel Plated

Plating:

Gold flash over Nickel underplate on contact area,

Tin over Nickel underplate on solder tails

Electrical:

Rated current: Type-C: 5.0 A max

USB2.0: 3.0 A max

Contact resistance: 40 mohms max.

Insulation resistance: 100 Mohms

Dielectric withstanding voltage: 100 VAC

Mechanical:

Mating Force: Type-C: 5N~20N

USB 2.0: 35N max

Durability: Type-C: 10,000 Cycles

USB 2.0: 3,000 Cycles

Temperature Rating:

Operating temperature: -30°C to +85°C

Environmental:

Lead free, RoHS compliant.



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS
ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

MM	X	± 0.50	ANGLE	± 1°
	.X	± 0.25		
	.XX	± 0.15		
	.XXX	± 0.10		

DRAWN LH 11/14/19

CHECKED TW 11/14/19

APPROVED

CONFIDENTIAL AND PROPRIETARY

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TECH

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TITLE UNIVERSAL SERIAL BUS, DUAL PORT, VERTICAL,
C31 TYPE OVER A 2.0, PCB, TERMINALS
TRANSMISSION EFFICIENCY: USB 2.0 (480Mb/s)

SIZE X PART NO. USB-C31/A-D-VT-CS1 REV. C

REF: S00288T SCALE: NTS SHEET 1 OF 1