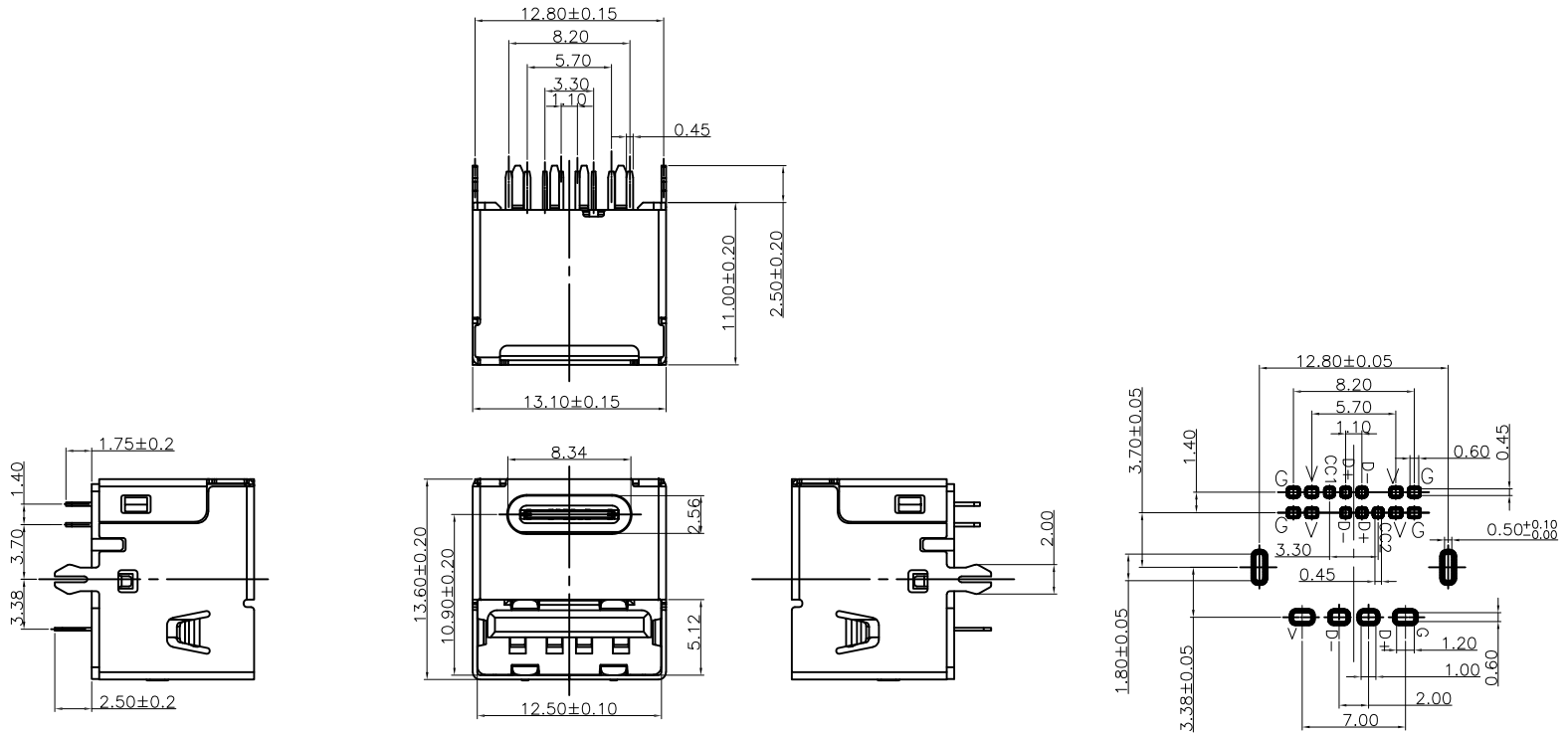


APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_ TITLE: \_\_\_\_\_

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/14/19	
A		UPDATE SPEC.	5/18/20	LH/KC



RECOMMENDED PCB LAYOUT

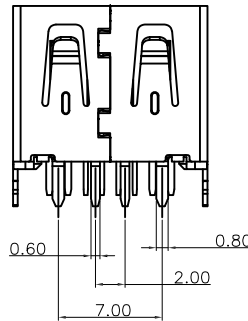
**SPECIFICATIONS:**

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: 8.0 A max  
 USB2.0: 5.0 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 INCHES [MM]  
 TOLERANCES: EXCEPT AS NOTED

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

APPROVALS		DATE
DRAWN	LH	11/14/19
CHECKED	TW	11/14/19
APPROVED		

**ADAM TECH INTERCONNECTS**  
 909 Rahway Avenue,  
 Union, NJ 07083  
 Phone: 908-687-5000  
 Fax: 908-687-5710

TITLE			
UNIVERSAL SERIAL BUS, DUAL PORT, VERTICAL, C31 TYPE OVER A 2.0, PCB, TERMINALS			
SIZE	PART NO.	REV.	
X	USB-C31/A-D-VT-CS1	A	
REF:	S00288T	SCALE: NTS	SHEET 1 OF 1