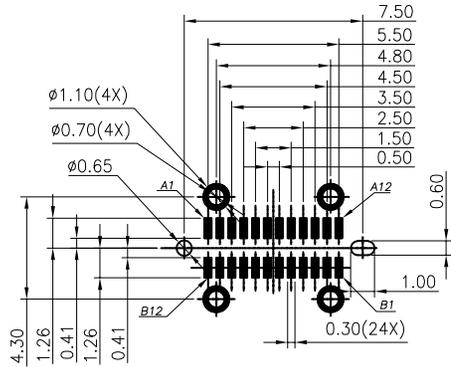
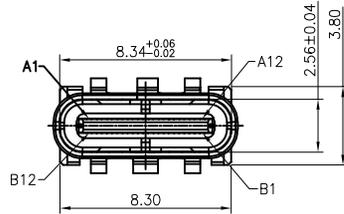


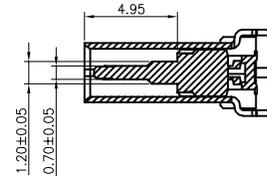
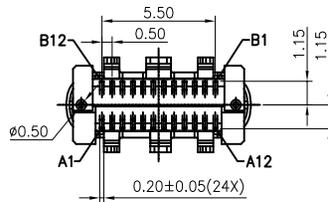
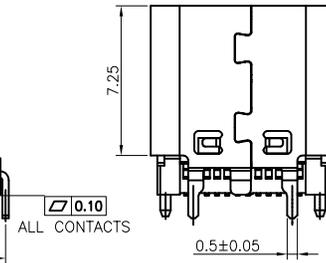
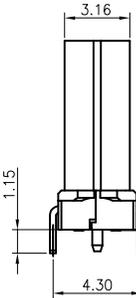
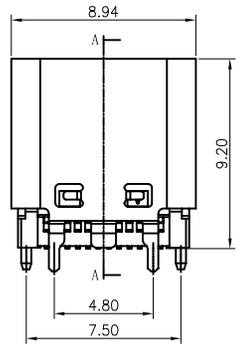
APPROVED: _____

DATE: _____ TITLE: _____

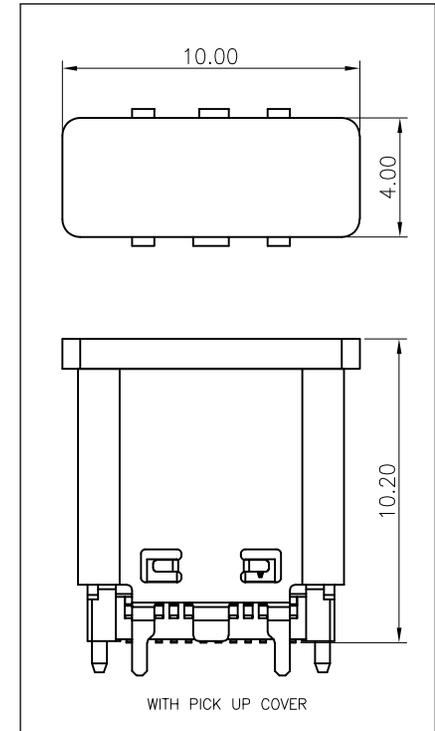
Rev	AWO #	Description	Date	Appr
-		RELEASED	1/6/17	
A		UPDATE SPEC.	2/13/17	AY/MC
B		UPDATE DRAWING	12/26/18	AY/DH
C		UPDATE DRAWING	11/7/19	OW/DH
D		UPDATE DRAWING	6/15/23	JJ/RZ



RECOMMENDED PCB LAYOUT
(TOP VIEW)



SECTION A-A



WITH PICK UP COVER

SPECIFICATIONS:

- Material:
 Insulator: Hi-Temp Thermoplastic, rated UL 94V-0
 Insulator color: Black
 Terminal: Copper Alloy, Gold flash over Nickel underplate on contact area
 Mid Plate: Stainless Steel, Clear only
 Front Shell: Stainless Steel, Nickel plated
 EMI Plate: Stainless Steel, Clear only
 Electrical:
 Voltage rating: 5V DC/AC (RMS. max)
 Current rating: 5 Amps FOR TOTAL VBUS/GND PINS
 1.25 Amps FOR CC PIN
 0.25 Amps FOR ALL OTHER CONTACT

- LLCR:
 VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX
 LLCR MAX CHANGE OF ALL PINS: 10mΩ
 Insulation resistance: 100 Mohms min.
 Dielectric withstanding voltage: 100 VAC for 1 minute
 Mechanical:
 Insertion force: 0.5~2.0 kgf
 Withdrawal force: 0.8~2.0 kgf
 Durability: 10000 cycles
 Temperature Rating:
 Operating temperature: -25°C to +85°C
 Environmental:
 Lead free, RoHS compliant.



PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	TXp1	B11	RXp1
A3	TXn1	B10	RXn1
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	RXn2	B3	TXn2
A11	RXp2	B2	TXp2
A12	GND	B1	GND

PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS TOLERANCES: EXCEPT AS NOTED		
Millimeters	ANGLE	
X. ± 0.50	X.* ± 3°	
X.X ± 0.38	X.X* ± 2°	
X.XX ± 0.25	X.XX* ± 1°	
X.XXX ± 0.20	X.XXX* ± 0.5°	
DRAWN	AY	1/6/17
CHECKED	AL	1/6/17
APPROVED		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH		

TITLE: UNIVERSAL SERIAL BUS, TYPE C 3.1, FEMALE, VERTICAL, BLACK INSULATOR, SHORT SHIELD

SIZE X	PART NO. USB-C31-S-VT-CS1-BK-SS-PP-T/R	REV. D
REF: S00097C	SCALE: NTS	SHEET 1 OF 1