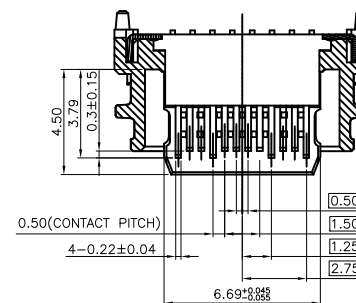
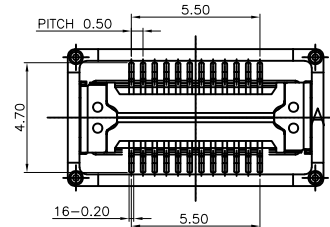
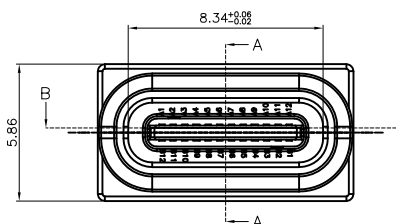
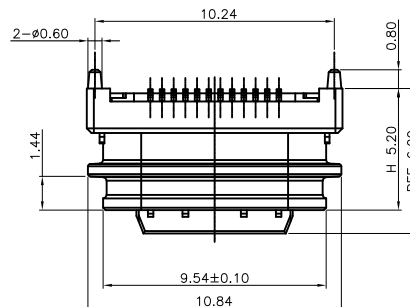
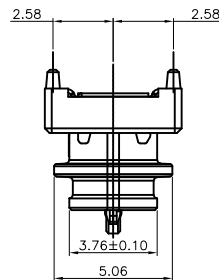
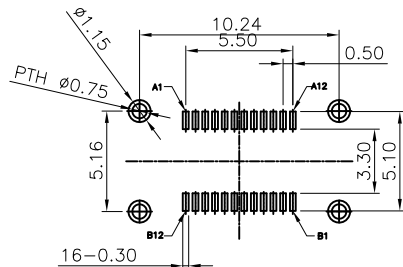
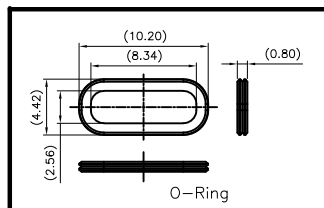
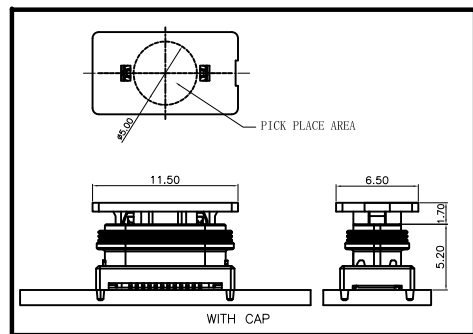


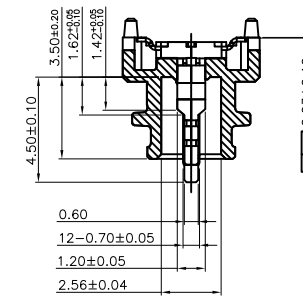
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	11/24/22	
A		UPDATE TITTLE	4/14/23	WX
B		UPDATE TITTLE	2/27/24	LH/RC



SECTION B-B



SECTION A-A

Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTxp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	Vbus	First	B9	Vbus	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	Vbus	First	B4	Vbus	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	

SPECIFICATIONS:

Material:

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

Insulator color: Black

Contacts: Copper Alloy

Shell: Stainless Steel, Nickel plated

O-Ring: Rubber

Plating:

Gold flash over Nickel underplate on contact area,

Tin over Nickel underplate on solder tails

Electrical:

Current rating: 5A min for Vbus, 1.25A min for other

Contact resistance: 40 mohms max

Insulation resistance: 100 Mohms min

Dielectric withstanding voltage: 100 VAC R.M.S.

Mechanical:

Insertion Force: 5~20N

Withdrawal Force: 8~20N

Durability: 10,000 cycles

Temperature Rating:

Operating temperature: -40°C to +85°C

Environmental:

Waterproof: IPX8

Lead free, RoHS compliant



RECOMMENDED PCB LAYOUT

PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED		
	MM	ANGLE
X	± 0.50	± 2°
.X	± 0.30	
.XX	± 0.20	
.XXX	± 0.10	

DRAWN	WX	11/24/22
CHECKED	AC1	11/24/22
APPROVED		

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

TRANSMISSION EFFICIENCY: 40G

ADAM TECH

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Fax: 908-687-5710

TITLE UNIVERSAL SERIAL BUS TYPE C 4.0, GEN3X2
WATERPROOF IPX8, BLACK INSULATOR, 24PIN
TRUE SURFACE MOUNT, VERTICAL

SIZE	PART NO.	REV.
X	USB-C40-S-VT-CS51A-TSMT-WP-BK-PP-T/R	B
REF:	S00197C	SCALE: NTS SHEET 1 OF 2

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