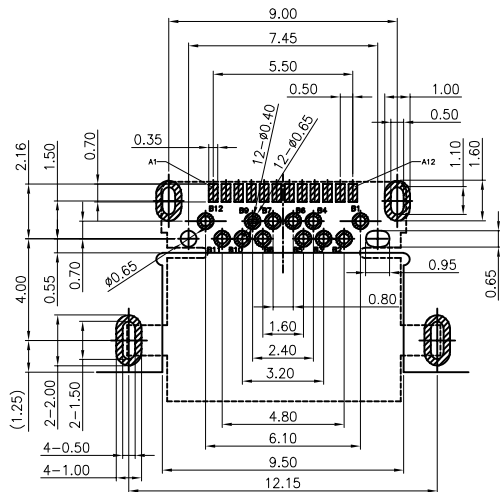


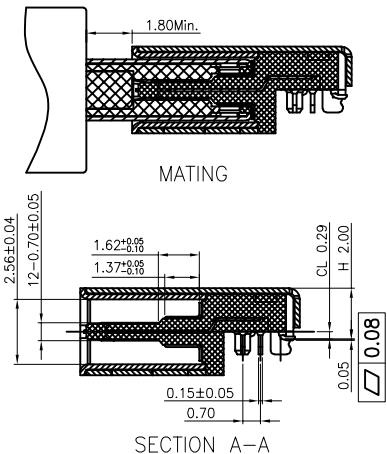
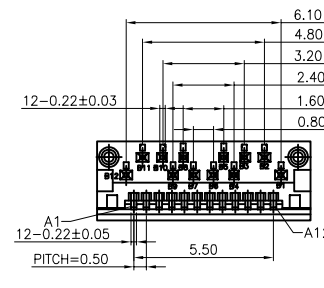
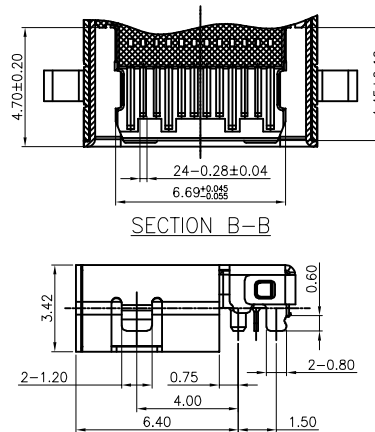
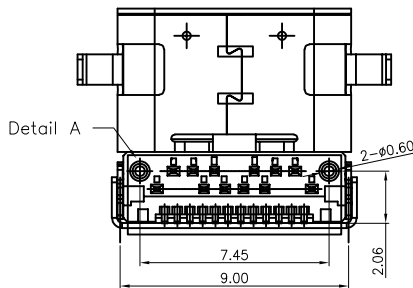
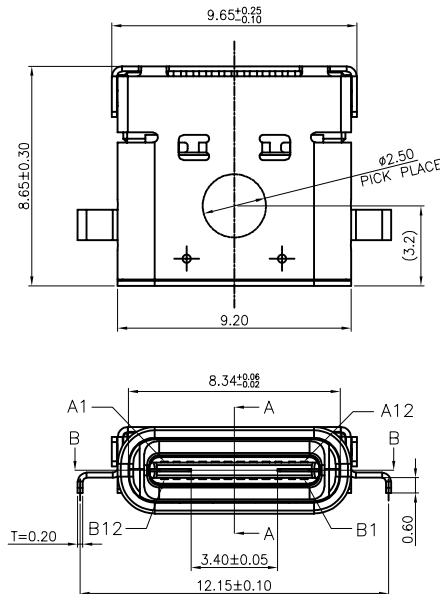
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	8/2/18	
A		UPDATE DRAWING	8/26/20	AY/RC
B		REMOVED DATE CODE	1/20/26	LW1/AC1
C		UPDATE TITLE	5/11/26	WY/RC



RECOMMENDED PCB LAYOUT



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	V _{BUS}	First	B9	V _{BUS}	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	V _{SS}	First	B4	V _{SS}	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

Cover Shell: Stainless Steel, Nickel plated

Inner Ground Cover Shell: Stainless Steel, Clean

Mid plate: Stainless Steel, Clean

Plating:

Gold flash over Nickel underplate on Contact area

Matte Tin over Nickel underplate on Solder tails

Electrical:

Current rating: 5A for Collectively Power Supply Pin (A1,A4,A9,A12,B1,B4,B9,B12)

1.25A for Vconn Pin

0.25A for other Signal Pin.

Contact resistance: 40 mohms max. (Initial)

10 mohms max. (After test) @ 20 mV, 100 mA

Insulation resistance: 100 Mohms min.

Dielectric withstanding: 100 VAC RMS

Mechanical:

Insertion force: 5~20 N

Withdrawal force: 8~20N Initial test; 6~20N Durability After Test

Durability: 10,000 Cycles

Temperature Rating:

Operating temperature: -40°C to +85°C

Environmental:

Lead free, RoHS compliant.



PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED		
MM	X. ± 0.50 .X ± 0.30 .XX ± 0.20 .XXX ± 0.10	ANGLE ± 2°
DRAWN	HR	8/2/18
CHECKED	LW	8/2/18
APPROVED		
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**ADAM
TECH**

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adam-tech.com

TITLE UNIVERSAL SERIAL BUS, TYPE C, FEMALE, DIP TYPE, EDGE HANG TRANSMISSION EFFICIENCY: USB 3.2 Gen 2x2 (20Gb/s)		
SIZE X	PART NO. USB-C31-S-RA-EH2.0B-BK-T/R	REV. C
REF: S00197C	SCALE: NTS	SHEET 1 OF 1