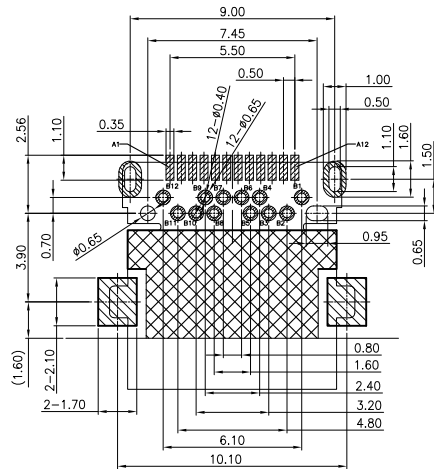
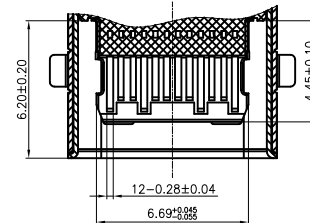
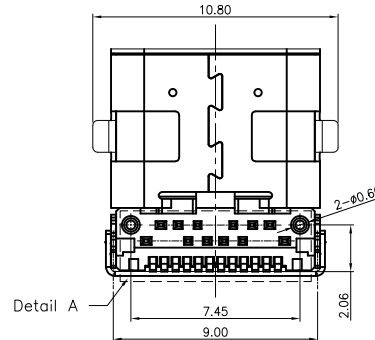
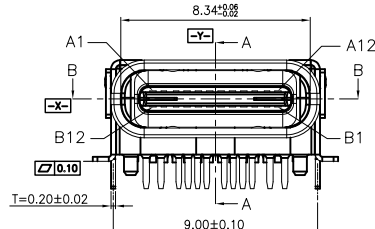
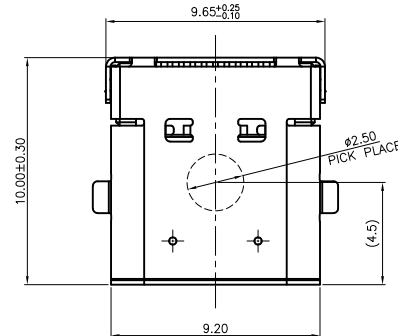


APPROVED: _____
DATE: _____ TITLE: _____

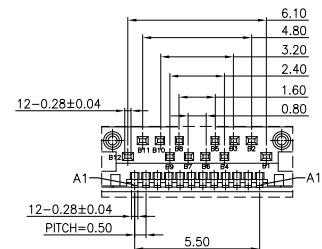
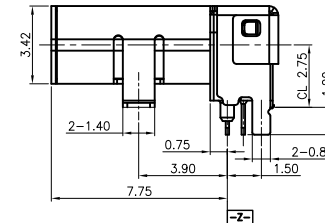
Rev	AWO #	Description	Date	Appr
-		RELEASED	10/25/18	
A		FIXED DIMENSION ON PCB LAYOUT	11/17/20	SS



RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05
PAD AREA NO COPPER AREA
KEEP OUT AREA GND PATTERN ONLY

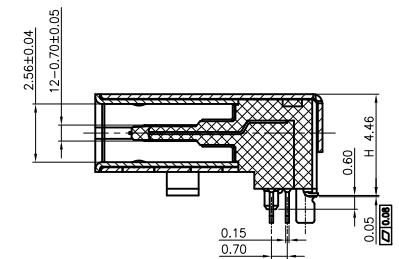


SECTION B-B

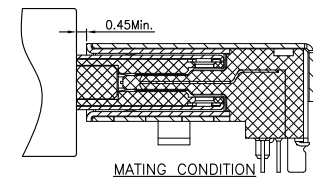


Detail A

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	V _{BS}	First	B9	V _{BS}	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 _{BS}	First	B4	V _{BS}	First
A10	SSRXn2	Second	B3	SSTXn2	Second
A11	SSRXp2	Second	B2	SSTXp2	Second
A12	GND	First	B1	GND	First
SHELL	GND		SHELL	GND	



SECTION A-A



MATING CONDITION

SPECIFICATIONS:
Material:
Insulator: Hi-temp thermoplastic, rated UL 94V-0
Insulator color: Black
Contacts: Copper alloy
Shell: Stainless steel, Nickel plated
Cover shell: Copper alloy, 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: 5 A (Power supply pin: A1, A4, A9, A12, B1, B4, B9, B12)
1.25 A (Vconn pin)
0.25 A (Other signal pin)
Contact resistance: 40 mohms max 10 mohms change after test,
measure @ 20mV, 100 mA
Insulation resistance: 100 Mohms min.
Dielectric withstanding: 100 VAC RMS
Mechanical:
Insertion force: 5~20N
Withdrawal force: 6~20N 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 ANGLE X. ± 0.50 X.X ± 0.30 X.XX ± 0.20 X.XXX ± 0.10			<div>ADAM — TECH INTERCONNECTS</div> <div>909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 Fax: 908-687-5710</div>		
APPROVALS		DATE	TITLE		
DRAWN	AY	10/25/18	UNIVERSAL SERIAL BUS, TYPE C, FEMALE, RIGHT ANGLE, CL2.75 H4.46mm HYBRID TYPE		
CHECKED	CK	10/25/18	SIZE X	PART NO. USB-C31-S-RA-CS1E-BK-T/R	REV. A
APPROVED			REF: S00296T	SCALE: NTS	SHEET 1 OF 1

Mouser Electronics

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