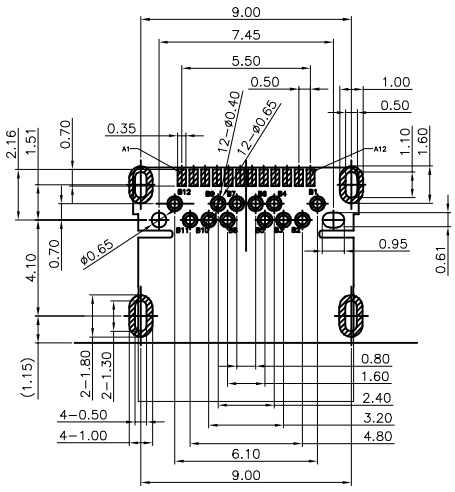
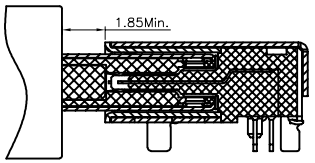
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DATE: _____ TITLE: _____

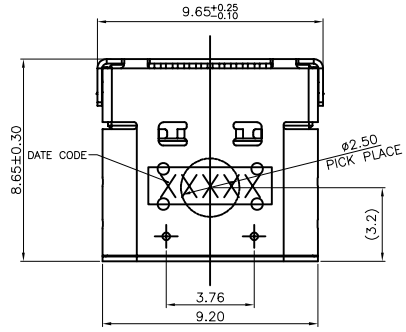
Rev	AWO #	Description	Date	Appr
-		RELEASED	7/26/18	
A		UPDATE DIM.	3/31/22	LH/LL1
B		UPDATE TITLE	5/11/26	LW1/RC

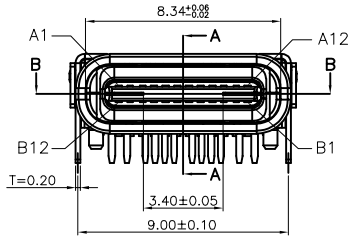


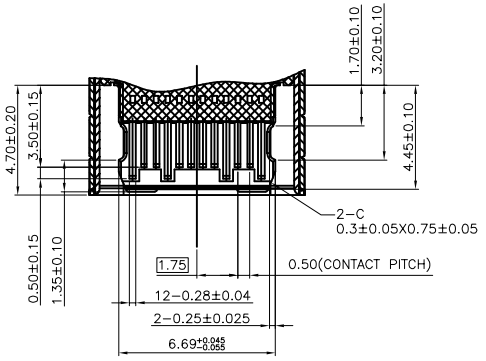
RECOMMENDED PCB LAYOUT



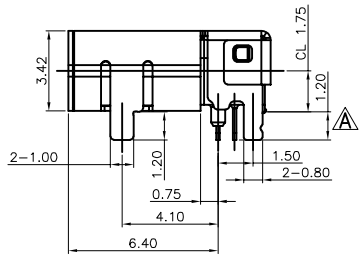
MATING

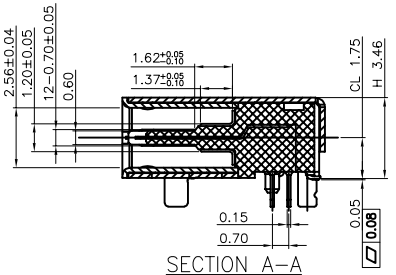




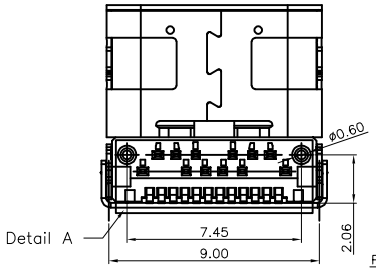


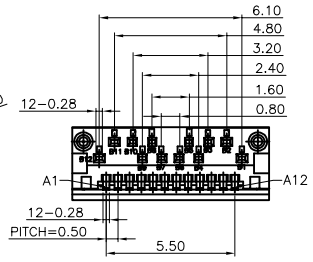
SECTION B-B





SECTION A-A





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_{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_{BUS}	First	B4	V_{BUS}	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, Nickel plated
Min 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 @ 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. 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	7/26/18
CHECKED	DH	7/26/18
APPROVED		

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TITLE: UNIVERSAL SERIAL BUS, TYPE C, FEMALE, RIGHT ANGLE, BLACK INSULATOR, SHORT SHIELD TRANSMISSION EFFICIENCY: USB 3.2 Gen 2x2 (20Gb/s)

SIZE	PART NO.	REV.
X	USB-C31-S-RA-CS1A-BK-SS-T/R	B

REF:	SCALE:	SHEET
S00197C	NTS	1 OF 1