Rev	AWO #	Description	Date	Appr
-		RELEASED	3/22/18	
A		UPDATED DRAWING	7/27/18	HR/YC

APPROVED: _____

DATE: _____ TITLE: _____

SECTION A-A

SECTION B-B

2-C 0.3±0.05X0.75±0.05

0.28±0.04(14x)

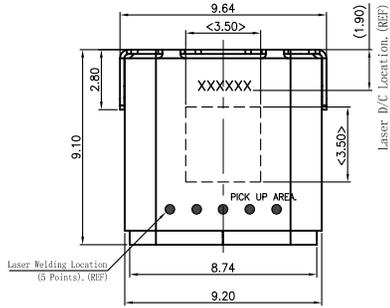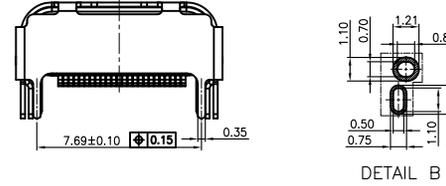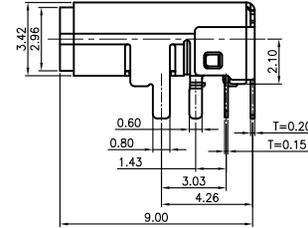0.25±0.025(2x)

0.24±0.04(8x) A2、A3、A10、A11、B2、B3、B10、B11.
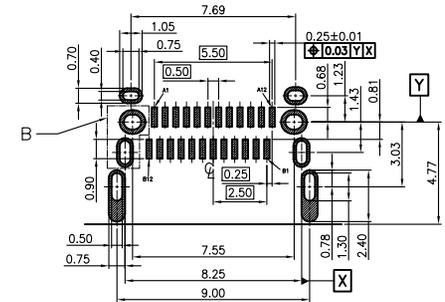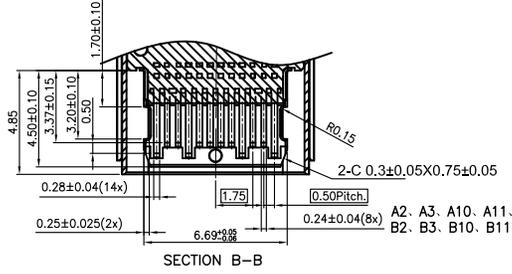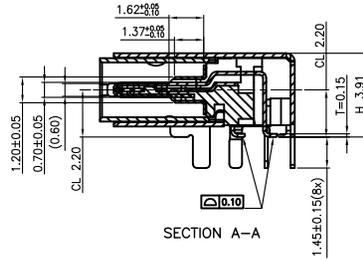
RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05
PAD AREA

4-FULL R
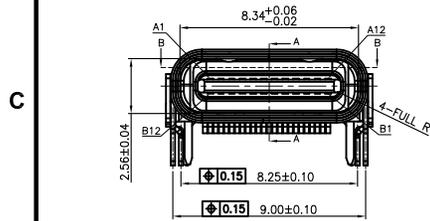
MATING CONDITION

DETAIL B

Detail A
SC 2:1

Laser D/C Location. (REF)
Laser Welding Location (5 Points). (REF)
PICK UP AREA
Laser Welding Location (7 Points). (REF)

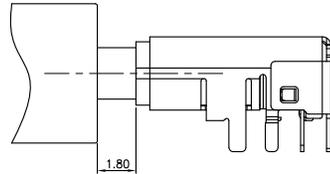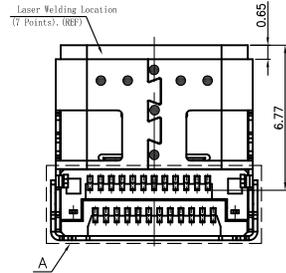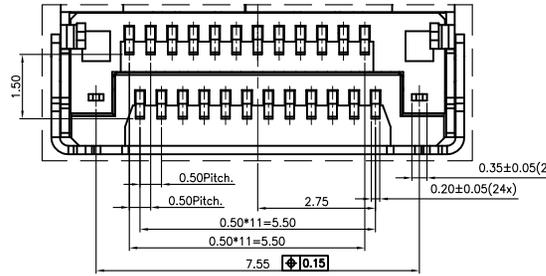| Pin	Signal Name	Mating Sequence	Pin	Signal Name	Mating Sequence
A1	GND	First	B12	GND	First
A2	SSTXp1	Second	B11	SSRXp1	Second
A3	SSTXn1	Second	B10	SSRXn1	Second
A4	V$_{BUS}$	First	B9	V$_{BUS}$	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	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
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	ANGEL
X.	± 0.50	±2°
X.X	± 0.25	
X.XX	± 0.20	
X.XXX	± 0.10	

APPROVALS		DATE
DRAWN	HR	3/22/18
CHECKED	AC	3/22/18
APPROVED		

IETABEE

TITLE
UNIVERSAL SERIAL BUS, TYPE C, FEMALE,
RIGHT ANGLE, BLACK, TAPE & REEL

SIZE: X

PART NO.
USB-C31-S-RA-CS2-SMT-BK-T/R

REV. A

REF: S00296T

SCALE: NTS

SHEET 1 OF 1