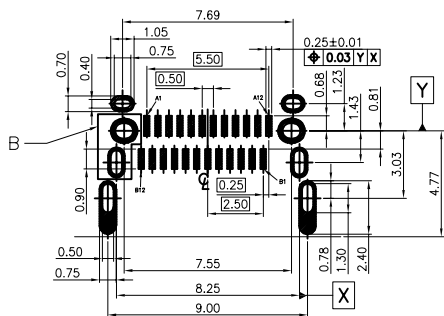


APPROVED: _____

DATE: _____ TITLE: _____



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 _{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 @Test Measure 20mV, 100 mA

Insulation resistance: 100 Mohms min.

Dielectric withstanding: 100V AC RMS

Mechanical:

Insertion force: 5~20N

Withdrawal force: 6~20N After test

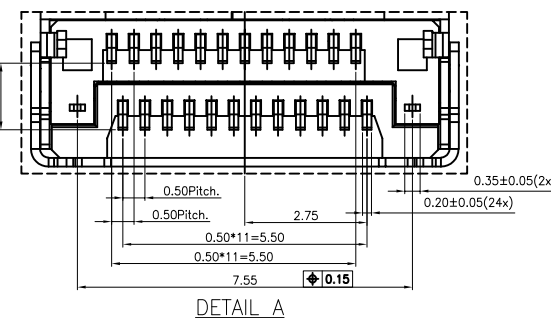
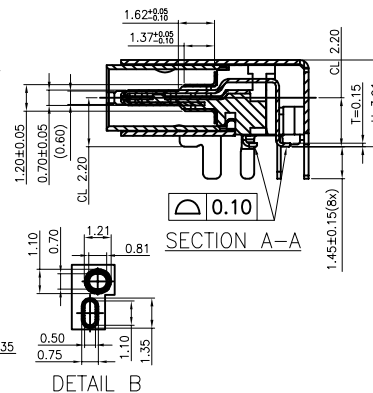
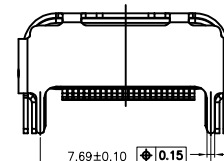
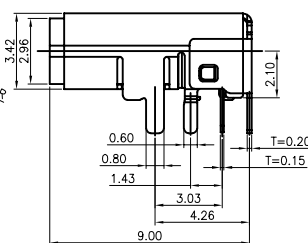
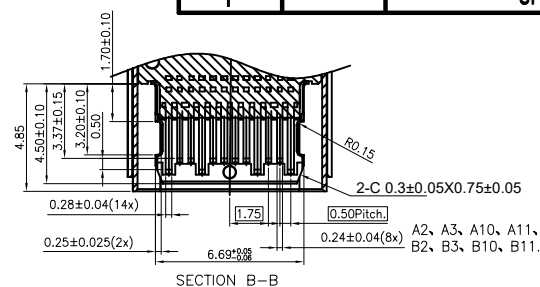
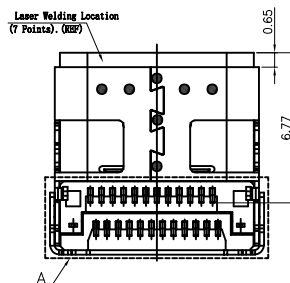
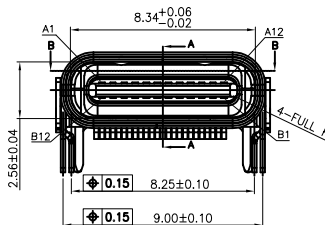
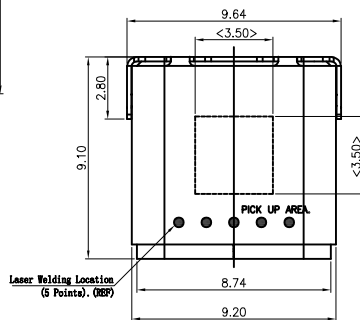
Durability: 10,000 Cycles

Temperature Rating:

Operating temperature: -40°C to +105°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	ANGLE	± 2°
	.X ± 0.30		
	.XX ± 0.20		
	.XXX ± 0.10		

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

CONFIDENTIAL AND PROPRIETARY
© Adam Tech. All rights reserved. This document contains confidential and proprietary information belonging to Adam Tech. It is provided solely for design and reference purposes by authorized parties. Any reproduction, distribution, display, or disclosure to third parties, in whole or in part, without the prior written consent of Adam Tech, is strictly prohibited. Adam Tech retains all rights, including copyright, trademark, trade secret, and all other intellectual property rights worldwide.

**ADAM
TECH**

909 Rahway Avenue,
Union, NJ 07083
Phone: 908-687-5000
adam-tech.com

TITLE **UNIVERSAL SERIAL BUS, TYPE C, FEMALE,
RIGHT ANGLE, BLACK, TAPE & REEL
TRANSMISSION EFFICIENCY: USB 3.2 Gen 2x2 (20Gb/s)**

SIZE X	PART NO. USB-C31-S-RA-CS2-SMT-BK-T/R	REV. F
------------------	--	------------------

REF: S00197C	SCALE: NTS	SHEET 1 OF 2
---------------------	-------------------	---------------------

6

5

4

3

2

1

APPROVED: _____

DATE: _____ TITLE: _____

Rev

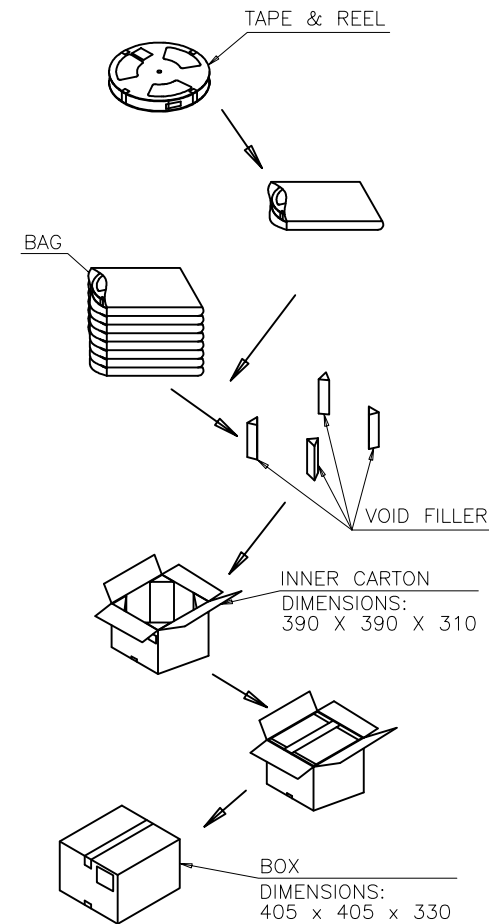
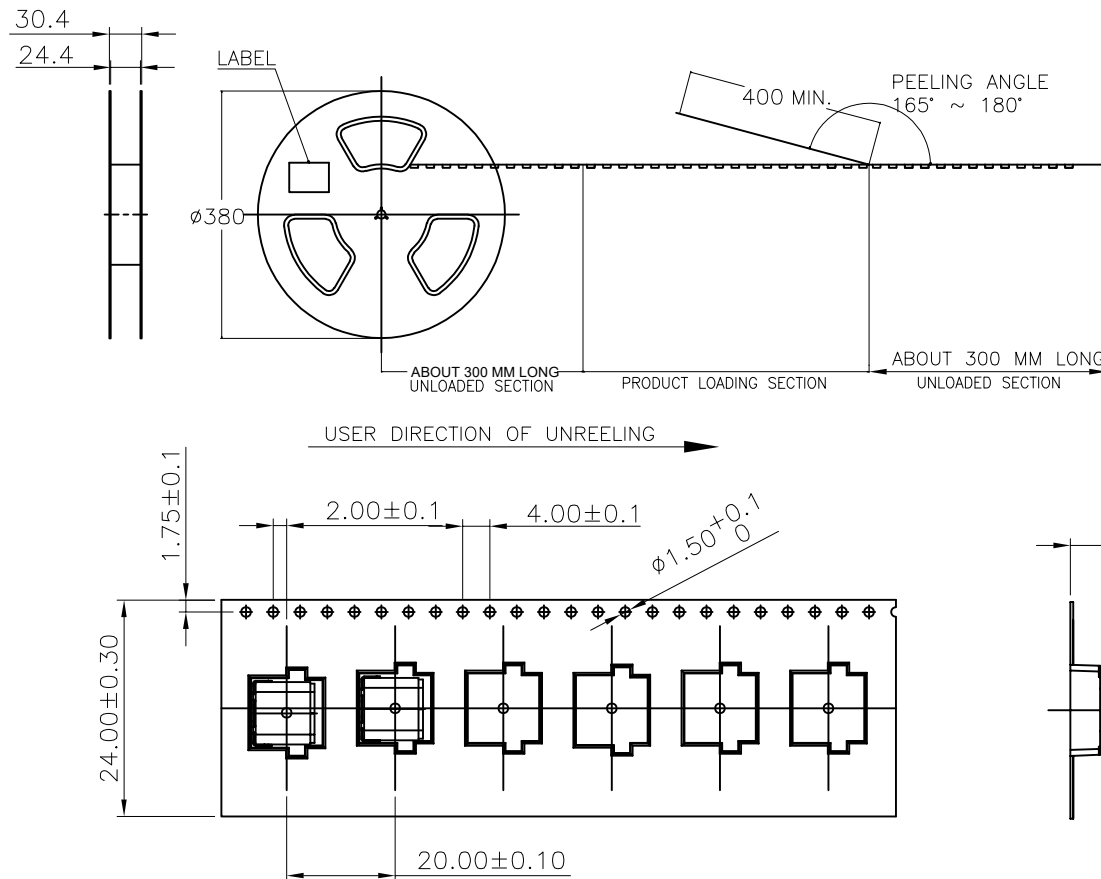
AWO #

Description

Date

Appr

SEE SHT 1 OF 2 FOR REVISION



750	10	7500 PCS	-- KG	-- KG
PCS/ REEL	REELS/ CARTON	QUANTITY	GROSS WEIGHT	NET WEIGHT

NOTE:

1.MATERIAL:

BOX: FIBREBOARD, CORRUGATED, DOUBLE WALL
 TAPE: POLYSTYRENES, HEAT-RESISTANT TEMPERATURE: 120°C, BLACK COLOR.
 REEL: POLYSTYRENES, HEAT-RESISTANT TEMPERATURE: 70°C, BLUE COLOR.
 BAG: POLYETHYLENE, HEAT-RESISTANT TEMPERATURE: 100°C.

2.PEELING STRENGTH: 0.1 ~ 1.3 N (10 ~ 130 GRAMS)

3.PEELING SPEED: 300 mm/min.

4.EACH BAG SHALL BE INCLUDED DESICCANT.

Unit: mm

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS
ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED

MM	X. ± 0.50	ANGLE	± 2°
	.X ± 0.30		
	.XX ± 0.20		
	.XXX ± 0.10		

DRAWN

HR

3/22/18

CHECKED

AC

3/22/18

APPROVED

CONFIDENTIAL AND PROPRIETARY

© Adam Tech. All rights reserved. This document contains confidential and proprietary information belonging to Adam Tech. It is provided solely for design and reference purposes by authorized parties. Any reproduction, distribution, display, or disclosure to third parties, in whole or in part, without the prior written consent of Adam Tech, is strictly prohibited. Adam Tech retains all rights, including copyright, trademark, trade secret, and all other intellectual property rights worldwide.

ADAM
TECH

909 Rahway Avenue,
 Union, NJ 07083
 Phone: 908-687-5000
 adam-tech.com

TITLE **UNIVERSAL SERIAL BUS, TYPE C, FEMALE,
 RIGHT ANGLE, BLACK, TAPE & REEL**
TRANSMISSION EFFICIENCY: USB 3.2 Gen 2x2 (20Gb/s)

SIZE **X** PART NO. **USB-C31-S-RA-CS2-SMT-BK-T/R** REV. **F**

REF: **S00197C** SCALE: **NTS** SHEET **2 OF 2**

5

4

3

2

1