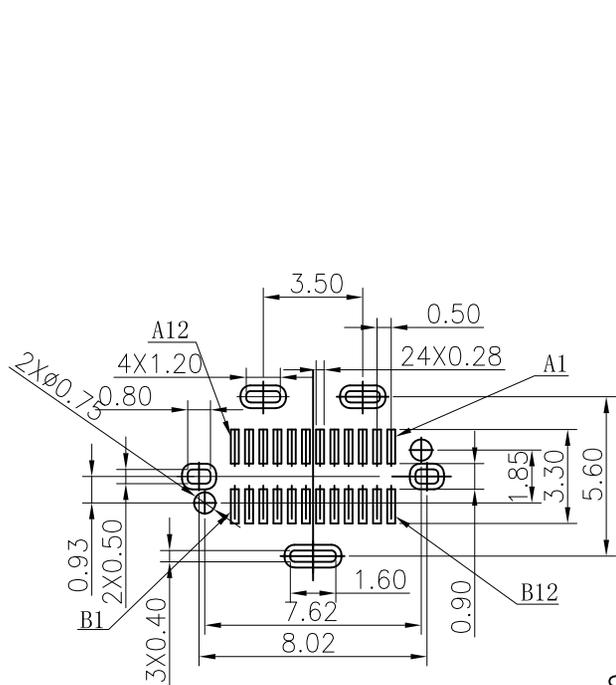


APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
-		RELEASED	1/6/17	
A		ADDED PCB LAYOUT TOLERANCES	10/26/17	AY/RC1
B		UPDATE DRAWING	4/27/20	LH/LW
C		UPDATE DRAWING	5/13/20	LH/LW
D		ADDED PACKING SPEC.	6/30/22	LH/NP
E		UPDATE TITLE	6/27/24	WX/RC



RECOMMENDED PCB LAYOUT

SPECIFICATIONS:

Material:

Insulator: (LCP) Hi-temp thermoplastic, rated UL 94V-0

Insulator Color: Black

Cover: Hi-temp thermoplastic, Color: Black

Contacts: Copper Alloy

Shell: Stainless Steel, Nickel plated

Latch: Stainless Steel, Tin over Nickel Plated

Spring: Stainless Steel

Plating:

Gold flash over Nickel underplate on contact area

Tin over Nickel underplate on solder tails

Electrical:

Voltage: 100 VAC

Current rating: 3.0 A max

Contact resistance: 40 mohms max

Insulation resistance: 100 Mohms min

Mechanical:

Insertion force: 5-20 N

Unmating force: 8-20 N

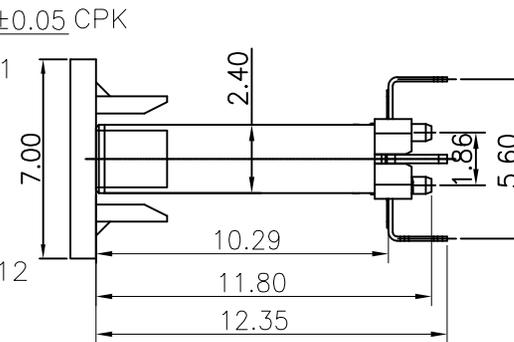
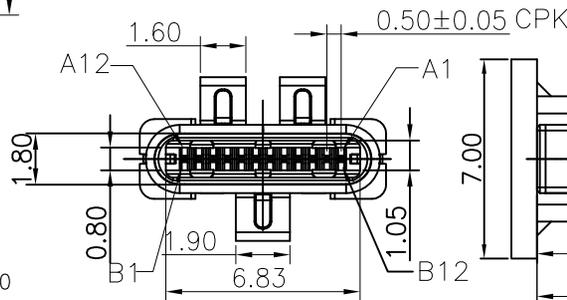
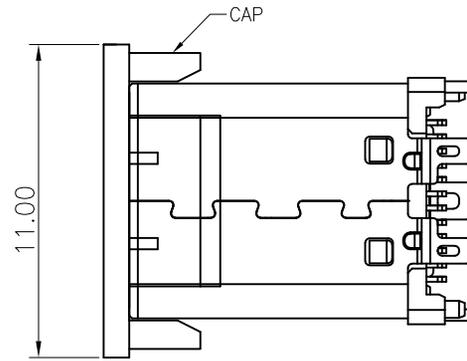
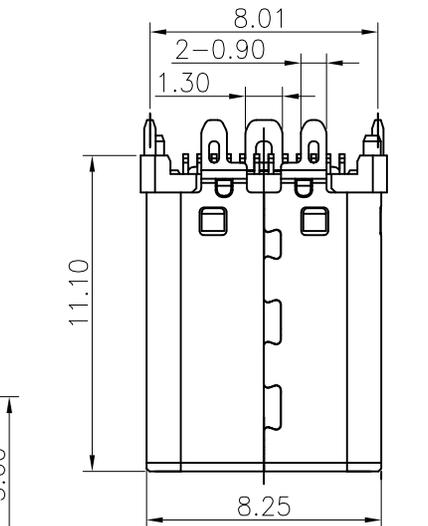
Durability: 10,000 Cycles

Temperature Rating:

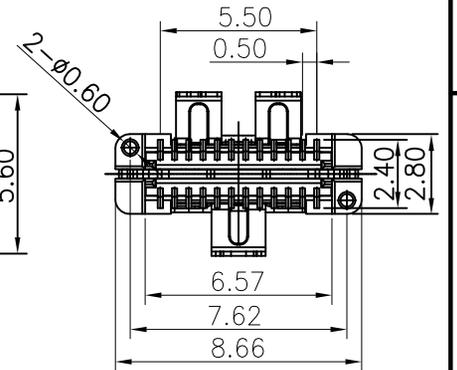
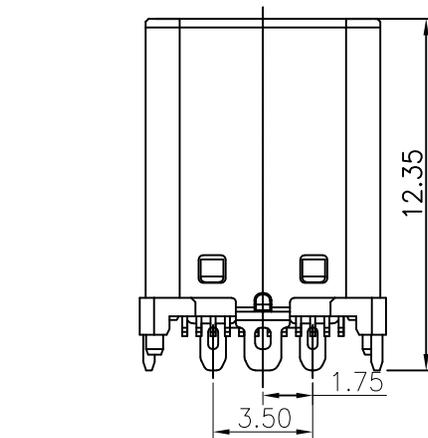
-30°C to +85°C

Environmental:

Lead free, RoHS compliant.



A1	GND	B12	GND
A2	SSTXP1	B11	SSRXP1
A3	SSTXN1	B10	SSRXN1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	DP1	B7	DN2
A7	DN1	B6	DP2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXN2	B3	SSTXN2
A11	SSRXP2	B2	SSTXP2
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME



PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED		
MM	ANGLE	
.X ± 0.50	X ± 5°	
.XX ± 0.38	X ± 2°	
.XXX ± 0.20	.XX ± 1°	
DRAWN	HR	1/6/17
CHECKED	AL	1/6/17
APPROVED		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH		



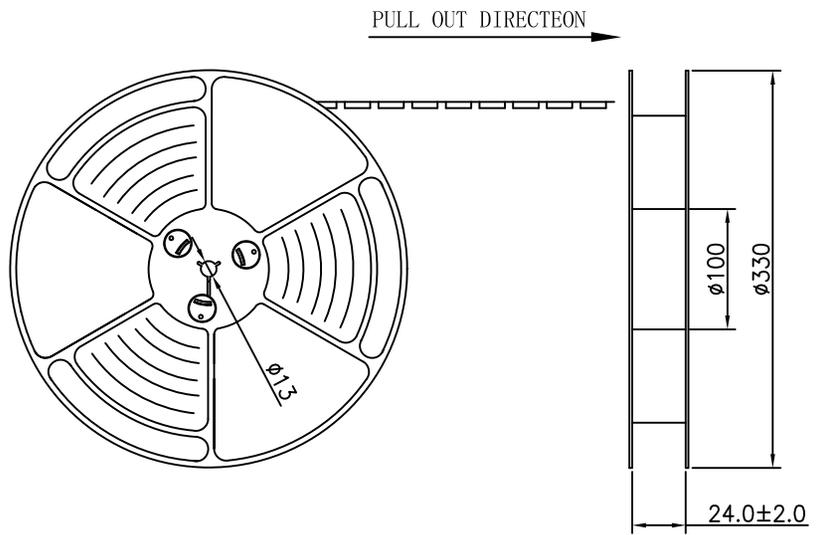
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SIZE	PART NO.	REV.			
X	USB-C31-PLUG-H-SMT-DC-T/R	E			
REF:	S00181C	SCALE:	NTS	SHEET 1 OF 3	



APPROVED: _____

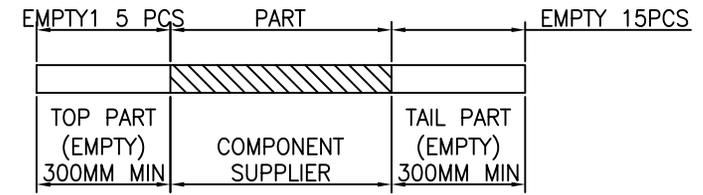
DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 3 FOR REVISION				

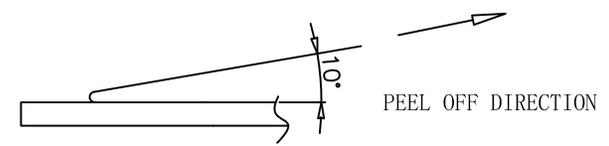
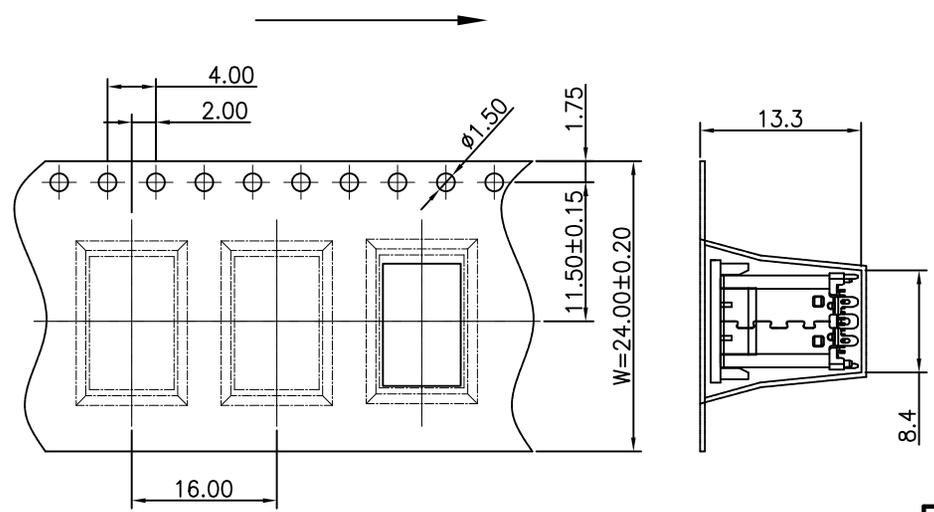


NOTES

1. ① LEAD TAPE LENGTH
2. ② PULL OUT DIRECTION



PEELING OFF FORCE OF TOP TAPE: 0.1 ~ 1.3N (10.2gf ~ 130gf)
 THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT;
 PEELING OFF SHOULD NOT BE ALLOWED DURING TRANSPORTATION;



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

	MM	ANGLE
.X	± 0.50	X. ± 5°
.XX	± 0.38	.X ± 2°
.XXX	± 0.20	.XX ± 1°

DRAWN	HR	1/6/17
CHECKED	AL	1/6/17
APPROVED		

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN PERMISSION FROM ADAM TECH



TITLE: UNIVERSAL SERIAL BUS, TYPE C, MALE PLUG, TRANSMISSION EFFICIENCY: Gen2 1280MB/S SURFACE MOUNT, BLACK INSULATOR, WITH CAP		
SIZE: X	PART NO.: USB-C31-PLUG-H-SMT-DC-T/R	REV.: E
REF: S00181C	SCALE: NTS	SHEET 2 OF 3

6

5

4

3

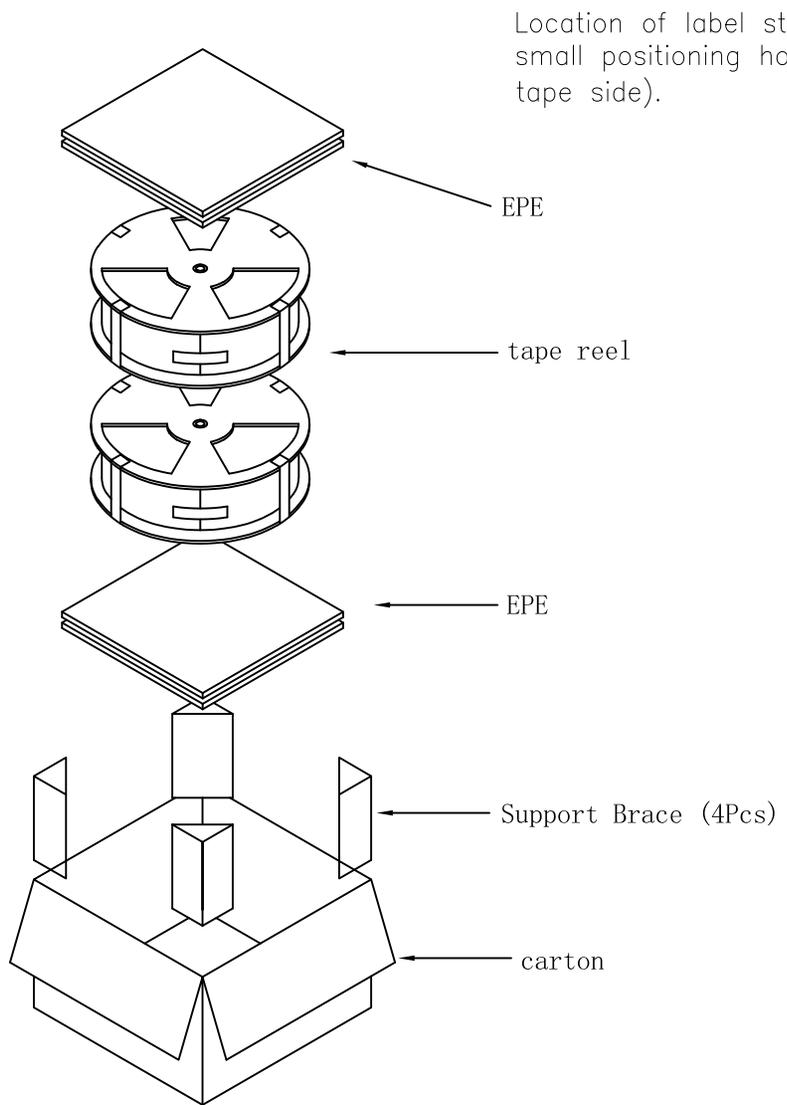
2

1

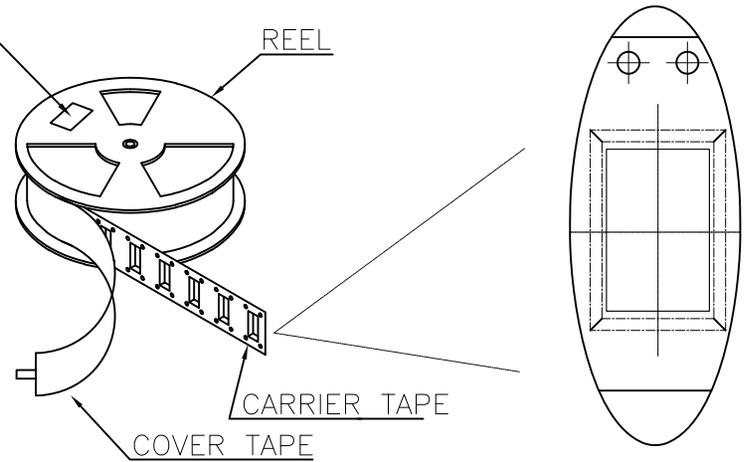
APPROVED: _____

DATE: _____ TITLE: _____

Rev	AWO #	Description	Date	Appr
SEE SHT 1 OF 3 FOR REVISION				



Location of label sticking (label at small positioning hole of the carrier tape side).



- 1 Reel / 300 Pcs
- 1 Carton / 11 Reel
- 1 Carton / 3300 Pcs

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MM	ANGLE
.X ± 0.50	X. ± 5°
.XX ± 0.38	.X ± 2°
.XXX ± 0.20	.XX ± 1°

DRAWN	HR	1/6/17
CHECKED	AL	1/6/17
APPROVED		

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TITLE: UNIVERSAL SERIAL BUS, TYPE C, MALE PLUG, TRANSMISSION EFFICIENCY: Gen2 1280MB/S SURFACE MOUNT, BLACK INSULATOR, WITH CAP		
SIZE: X	PART NO.: USB-C31-PLUG-H-SMT-DC-T/R	REV.: E
REF: S00181C	SCALE: NTS	SHEET 3 OF 3

6

5

4

3

2

1