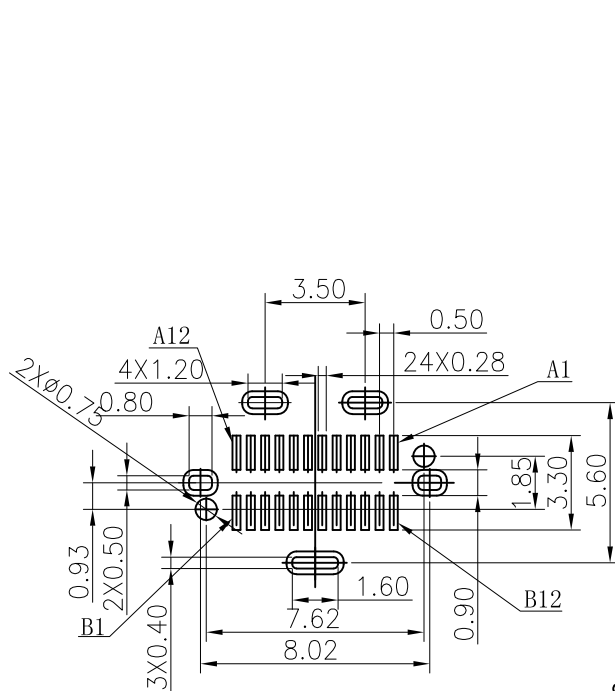


APPROVED: _____

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.



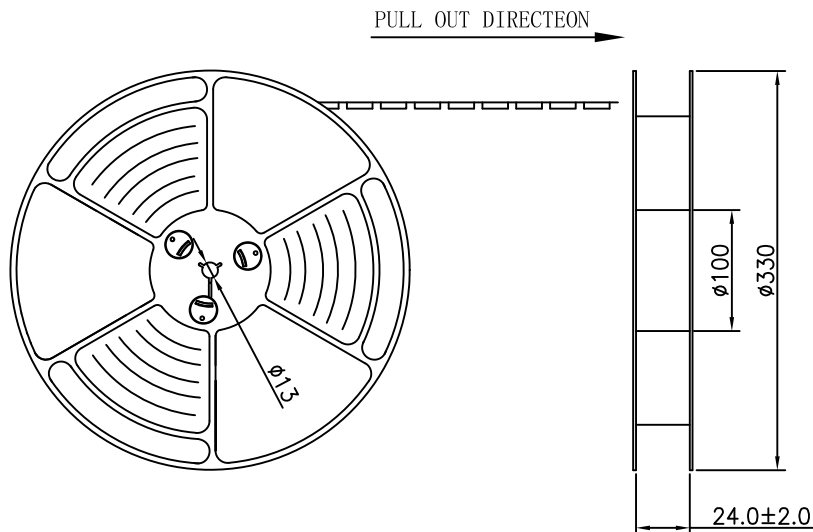
PACKAGED ON TAPE & REEL

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE MILLIMETERS. TOLERANCES: EXCEPT AS NOTED				ADAM TECH 909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 Fax: 908-687-5710	
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
REF: S00181C		SCALE: NTS		SHEET 1 OF 3	

APPROVED: _____

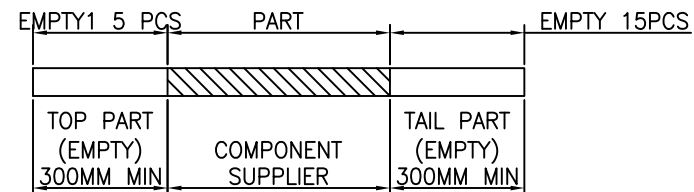
DATE: _____ TITLE: _____

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

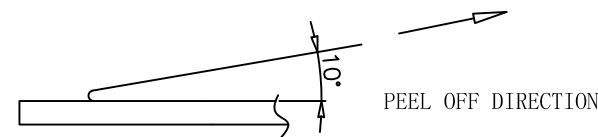
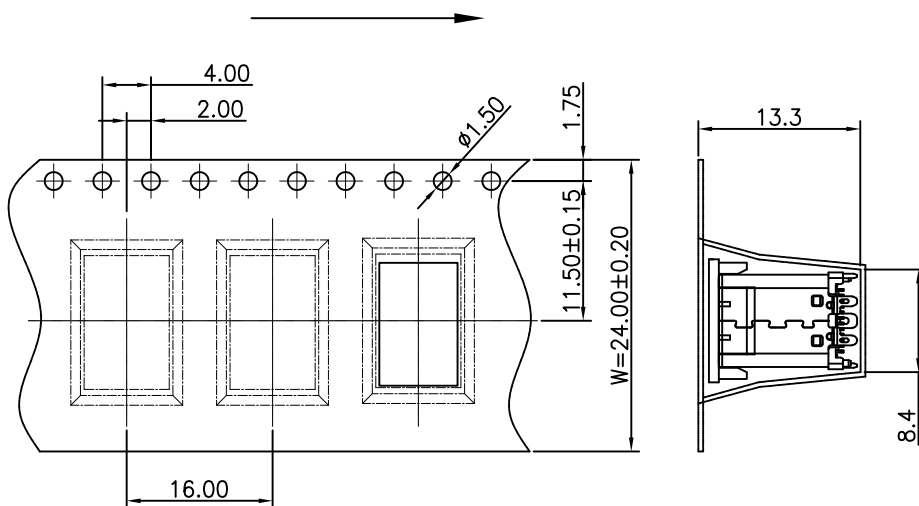


NOTES

- ① LEAD TAPE LENGTH
- ② PULL OUT DIRECTEON



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			ADAM TECH		909 Rahway Avenue, Union, NJ 07083 Phone: 908-687-5000 Fax: 908-687-5710	
MM	ANGLE					
.X ± 0.50	X. ± 5°					
.XX ± 0.38	.X ± 2°					
.XXX ± 0.20	.XX ± 1°					
DRAWN	HR	1/6/17	TITLE UNIVERSAL SERIAL BUS, TYPE C, MALE PLUG, TRANSMISSION EFFICIENCY: Gen2 1280MB/S SURFACE MOUNT, BLACK INSULATOR, WITH CAP			
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			SIZE X	PART NO. USB-C31-PLUG-H-SMT-DC-T/R	REV E	
			REF: S00181C	SCALE: NTS	SHEET 2 OF 3	

6

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4

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1

APPROVED: _____

DATE: _____ TITLE: _____

Rev

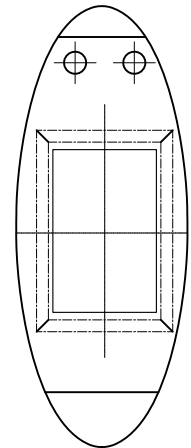
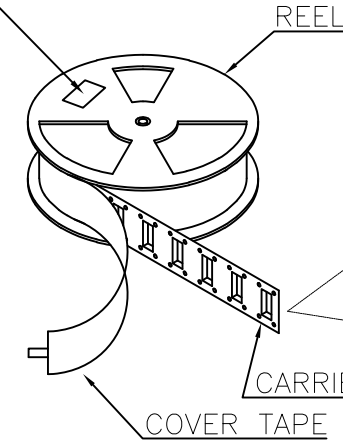
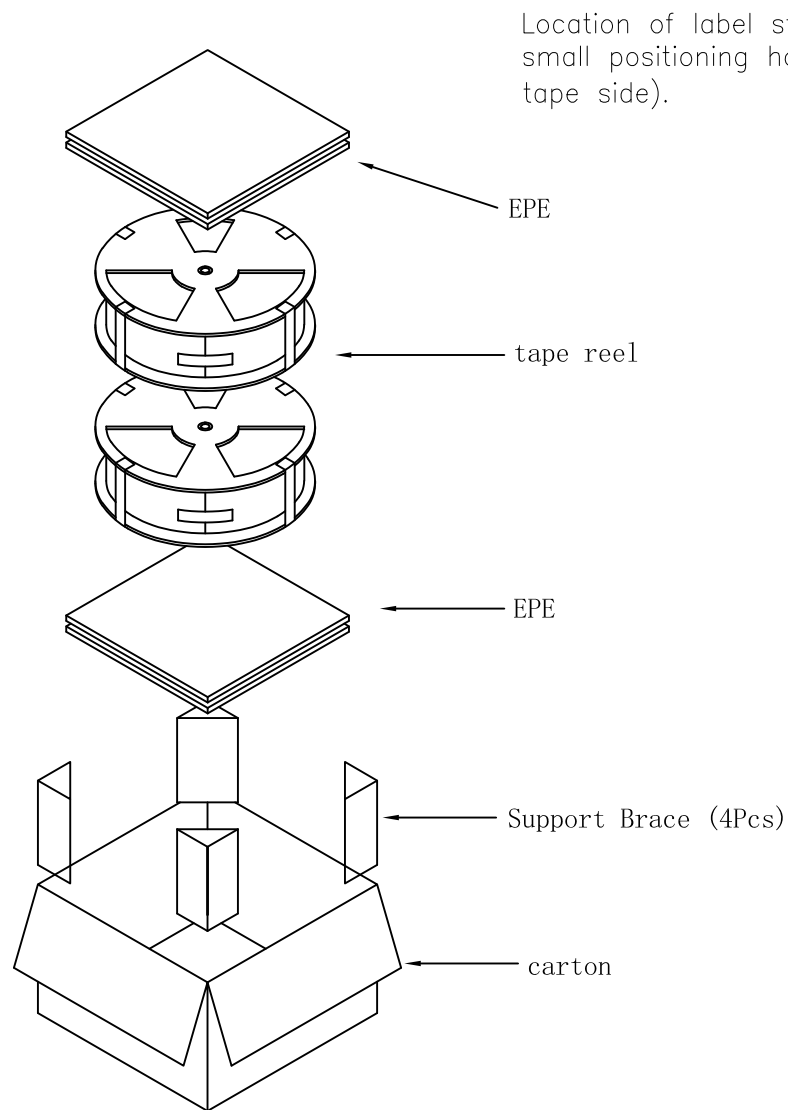
AWO #

Description

Date

Appr

SEE SHT 1 OF 3 FOR REVISION



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

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
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CHECKED	AL	1/6/17
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APPROVED		
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 AND SHOULD NOT BE USED WITHOUT PRIOR WRITTEN
 PERMISSION FROM ADAM TECH

ADAM
TECH

909 Rahway Avenue,
 Union, NJ 07083
 Phone: 908-687-5000
 Fax: 908-687-5710

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
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REF: S00181C	SCALE: NTS	SHEET 3 OF 3
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