

RECOMMENDED P.C.B LAYOUT  
TOLERANCE ±0.03mm (TOP VIEW)

REV.	DESCRIPTION	DATE
A	RELEASE	FEB. 14, 2018
B	ADD. LOGO	MAR. 02, 2018
C	PLATED MODIFY & ADD. PACKAGE	MAR. 27, 2018
D	DRAW. MODIFY	JUL. 25, 2018
E	DRAW. MODIFY	Nov. 08, 2019
F	CARRIER DRAW. MODIFY	Dec. 02, 2019

### MATERIALS

- HOUSING : LCP (UL 94V-0), BLACK.
- TERMINAL : C7025,(t=0.12mm), GOLD PLATED ON CONTACT AREA, GOLD 1~4u" PLATED ON SOLDER TAIL, UNDER NICKEL 50u" PLATED OVER ALL.
- DIP PLATE : SUS301,(t=0.15mm), NICKEL 50u" MIN. PLATING.
- MID PLATE : SUS301,(t=0.15mm).
- INNER SHELL : SUS304,(t=0.20mm).
- OUTER SHELL : SUS304,(t=0.30mm), NICKEL 50u" MIN. PLATING.

### SPECIFICATION

- CURRENT RATING :  
5A for VBUS (A4,A9,B4,B9)  
1.25A for Vconn PIN(B5)  
WITH RETURN PATH THROUGH THE CORRESPONDING GND PIN(A1,A12,B1,B2).  
0.25A for ALL OTHER PIN.
- DIELECTRIC WITHSTANDING VOLTAGE :  
100V AC R.M.S. FOR ONE MINUTE.
- INSULATION RESISTANCE : 100M OHMS MIN.
- CONTACT RESISTANCE : 40m OHMS MAX.
- OPERATING TEMPERATURE : -55°C TO +85°C.
- INSERTION FORCE : 5~20N.
- EXTRACTION FORCE : 8~20N.
- DURABILITY : 10,000 CYCLES.
- SOLDERING HEAT RESISTANCE REFLOW SOLDERING 260°C.

### PART NUMBER INFORMATION :

237FC24-XN109T-H

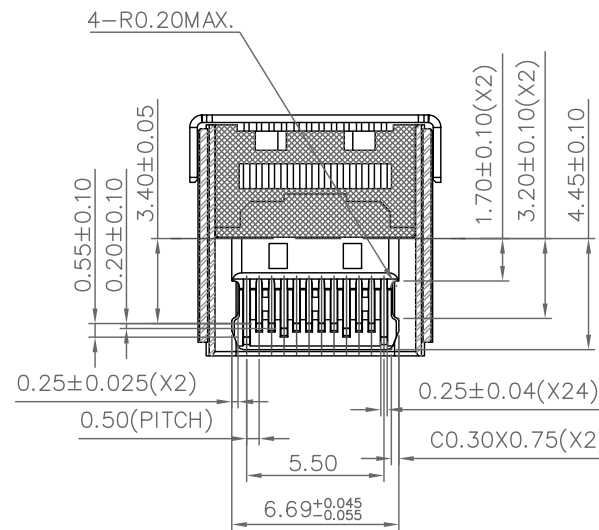
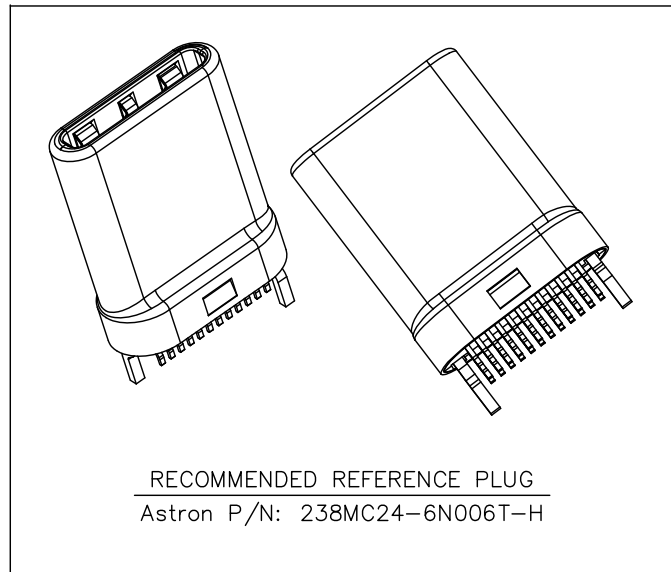
SERIES CODE | SMT+DIP | FEMALE | USB | NUMBER OF POSITIONS | HALOGEN FREE | VARIATION CODE | CONTACT PLATING OPTION:  
0 : GOLD FLASH  
6 : 30u" GOLD

GENERAL TOLERANCE		DRAWER		 <b>ASTRON TECHNOLOGY CORP.</b>	
DIM.		CHECK			
ANG.		APP'D		NAME	
3rd ANGLE PROJECTION		PRODUCT SPEC.		HIGH RISE : CH=3.40 mm	
SCALE		SHEET		SMT+DIP TYPE, WITH FLANGE	
SIZE		REV.		PART NO.	
NONE		1 OF 3		237FC24-XN109T-H	
A4		F		C NO.	
T0123					

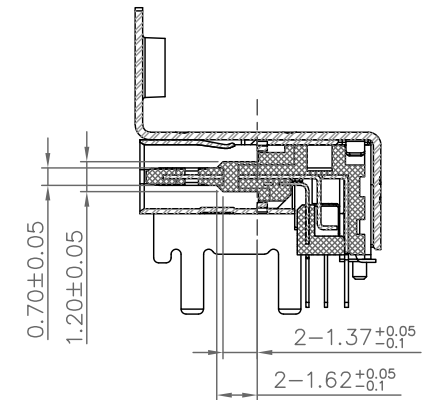
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PIN ASSIGNMENTS

A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1
GND	Main Link 0+	Main Link 0-	VBUS	SBU1	USB2.0(D-) USB3(TX-)	USB2.0(D+) USB3(TX+)	CC1	VBUS	Main Link 2-	Main Link 2+	GND
GND	Main Link 1+	Main Link 1-	VBUS	VCONN	USB3(RX+)	USB3(RX-)	SBU2	VBUS	Main Link 3-	Main Link 3+	GND
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12



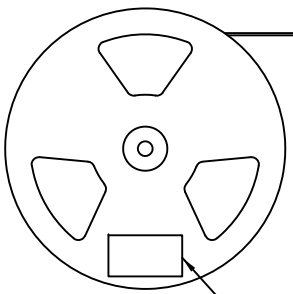
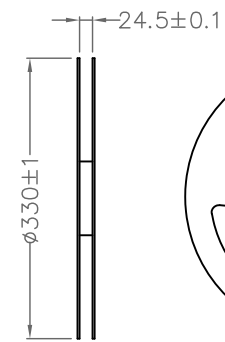
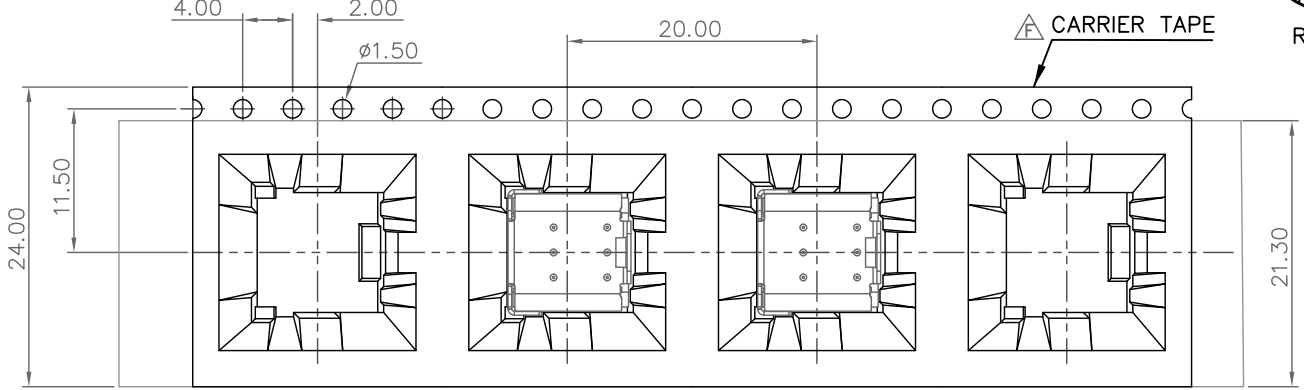
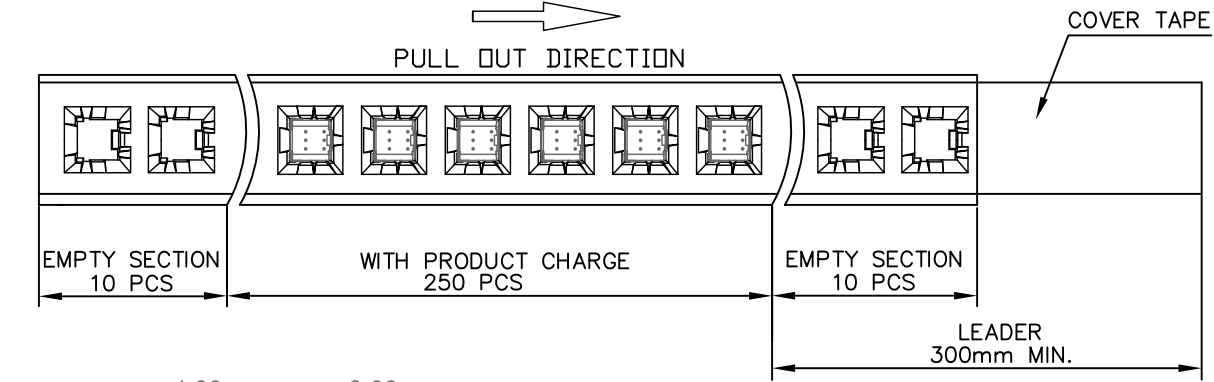
SECTION A-A



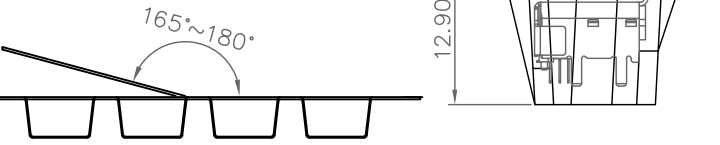
SECTION B-B

GENERAL TOLERANCE		DRAWER	<b>Astron®</b> <b>ASTRON TECHNOLOGY CORP.</b>
DIM.	0. = ±X.XX .0 = ±0.25 .00 = ±0.15 .000 = ±0.05	LGJ	
ANG.	.0° = ±2° .00° = ±1°	CHECK	NAME USB TYPE C FEMALE HIGH RISE : CH=3.40 mm SMT+DIP TYPE, WITH FLANGE
3rd ANGLE PROJECTION		APP'D	
SCALE	NONE	PRODUCT SPEC.	PART NO. 237FC24-XN109T-H
SIZE	A4	CONFIDENTIAL	C NO.
SHEET	2 OF 3	REV.	T0123
		F	

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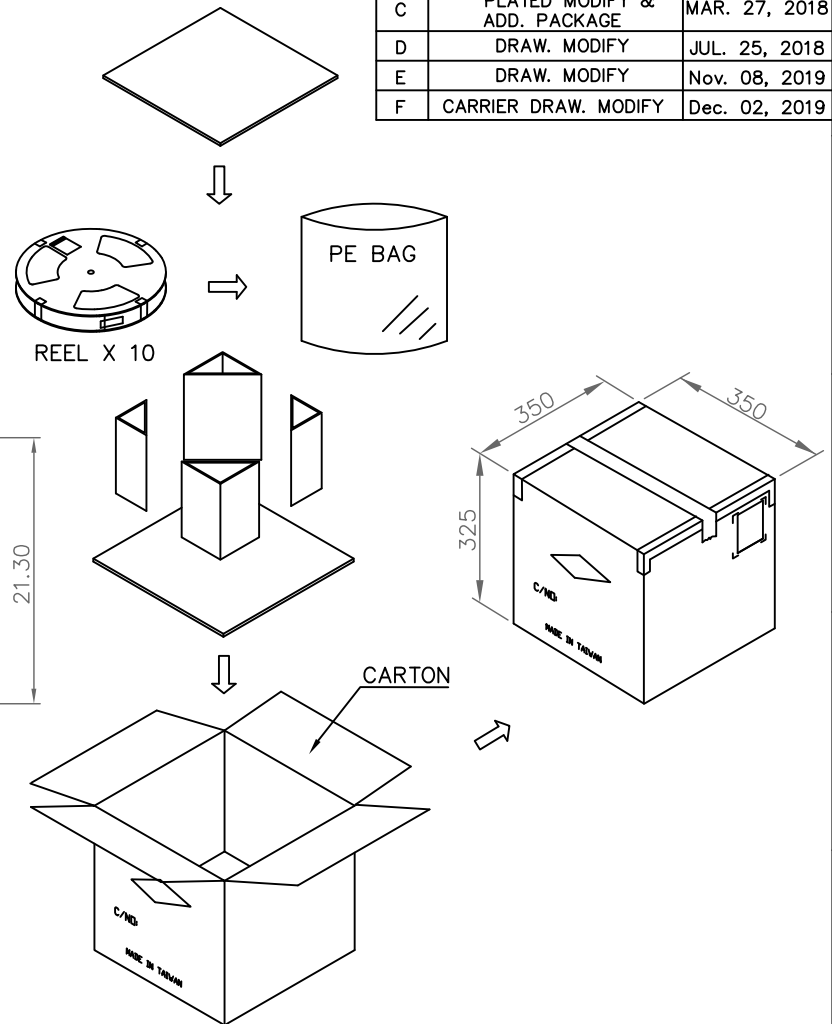


LABEL



**PACKAGE**  $\triangle$

1. SIZE :  
REEL :  $\phi 330 \times 24.5$  mm  
CARTON :  $350 \times 350 \times 325$  mm (LxWxH)
2. QUANTITY :  
250 PCS / REEL  
10 REEL / CARTON = 2,500 PCS
3. CARRIER TAPE : PET, TRANSPARENT.
4. APPLICABLE DOCUMENTS : EIA-481-D



GENERAL TOLERANCE		DRAWER <i>LYJ</i>		 <b>ASTRON TECHNOLOGY CORP.</b>	
DIM.	0. = $\pm X.XX$ .0 = $\pm 0.25$ .00 = $\pm 0.15$ .000 = $\pm 0.05$	CHECK <i>ERP</i>			
ANG.	.0° = $\pm 2'$ .00° = $\pm 1'$	APP'D <i>ALAN</i>		NAME USB TYPE C FEMALE HIGH RISE : CH=3.40 mm SMT+DIP TYPE, WITH FLANGE	
3rd ANGLE PROJECTION		PACKAGE SPEC. -		PART NO. 237FC24-XN109T-H	
SCALE NONE		SIZE A4	SHEET 3 OF 3	REV. F	T0123
				C NO.	