

REV.	DESCRIPTION	NAME	DATE
A	NEWS ISSUE	RainYi	2022/10/20

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 2.CONTACTS: COPPER ALLOY
- 3.MID PLATE: STAINLESS STEEL
- 4.SHELL: STAINLESS STEEL

2.PLATING SPECIFICATION:

2-1.CONTACTS:

Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
(GOLD PLATING THICKNESS FOLLOW THE P/N)
GOLD FLASH PLATING ON SOLDER AREA

2-2 SHELL OR OUTSIDE SHELL:

Ni 30u" MIN. UNDER PLATED OVER ALL.

3.MECHANICAL PERFORMANCE,

- 3-1.INSERTION FORCE: 0.5~2.0kgf.
- 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
- 3-3.DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,

- 4-1. CURRENT RATING:5A
VOLTAGE RATING: 20V
- 4-2.INSULATION RESISTANCE: 100MΩ MIN
- 4-3.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
- 4-4.LOW CONTACT RESISTANCE: INITIAL 40MΩ
AFTER 50MΩ

5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -30℃~+80℃.

6.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260℃.

4	SHELL	STAINLESS STEEL T=0.30MM	NI 40u"MIN	1PCS
3	SHIELDING PLATE	STAINLESS STEELT=0.15MM	N/A	1PCS
2	CONTACT	COPPER ALLOYT=0.15MM	Mating area 1u"Au Solder Tails: G/F Underplate: 80u"Min Ni overall	2SET
1	INSERT MOLDING	LCP UL94V-0	BLACK	1PCS
NO.	DESCRIPTION	MATERIAL	REMARKS	

TOLERANCE UNSPECIFIED

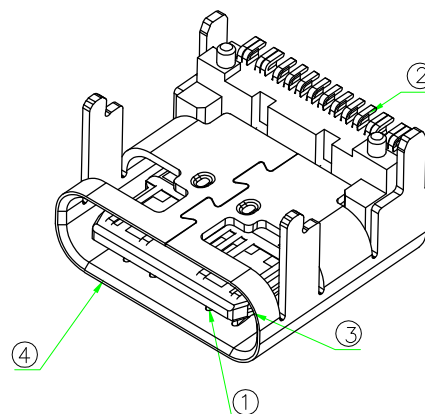
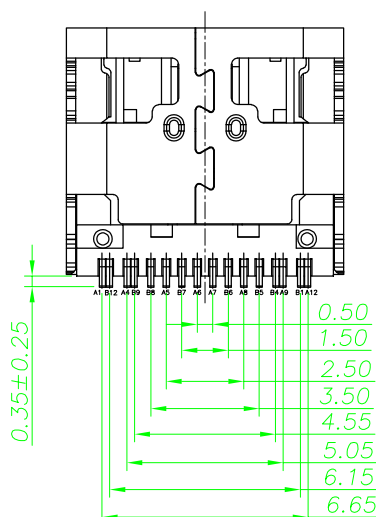
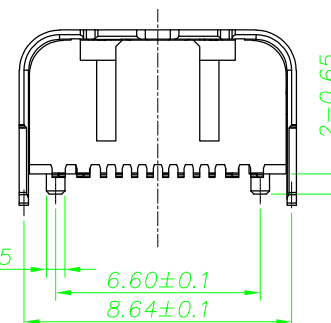
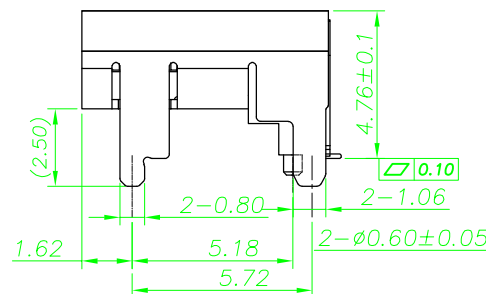
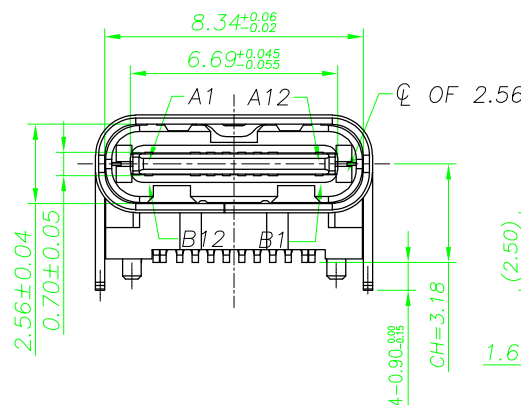
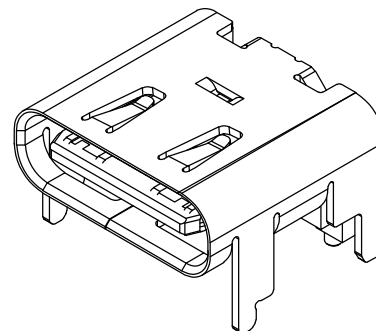
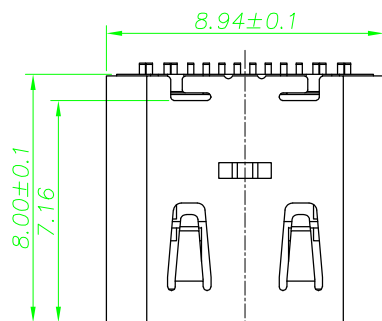
.0	±0.35
.00	±0.25
.000	±0.15
X. °	±1.00°

ASSEMBLY DRAWING

XB 东莞市溪榜电子有限公司
DONG GUAN XI BANG ELECTRONICS CO., LTD.

TITLE: USB TYPE C 16PIN,
板上垫高1.60mm (CH=3.18)

DRAWN DATE	He. Long. Fei 2022/10/20	SIZE: A4	UNIT: mm.	PART. NO:	XB-TYPEC-16P-5161X
CHECKED DATE	Long. Liu. Ting 2022/10/20	SCALE: 1:1	PROJECTION	REV.: A	
APPROVED DATE	Lai. Hai. Jie 2022/10/20	DWG PATH	C00-0000-0085	PATH	1/3



7.P/N: XB-TYPEC-16P-5161X

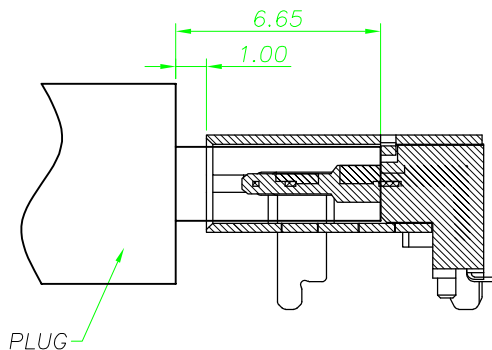
16:16 PIN

B:BLACK
R:GREEN

- 1: GOLD FLASH PLATING ON CONTACT AREA,
GOLD FLASH PLATING ON SOLDER AREA
- 3: 3u" GOLD PLATING ON CONTACT AREA,
GOLD FLASH PLATING ON SOLDER AREA
- 5: 3u" GOLD PLATING ON CONTACT AREA,
GOLD FLASH PLATING ON SOLDER AREA

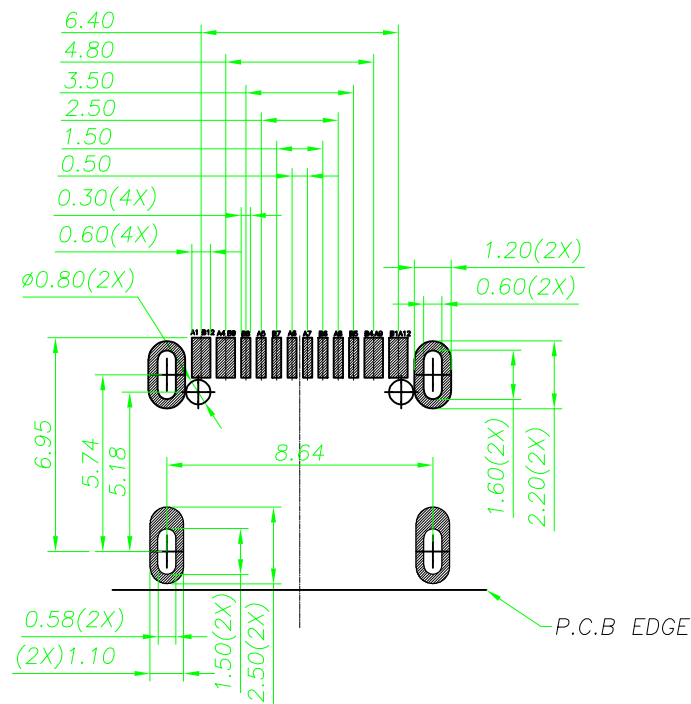
USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND



PLUG

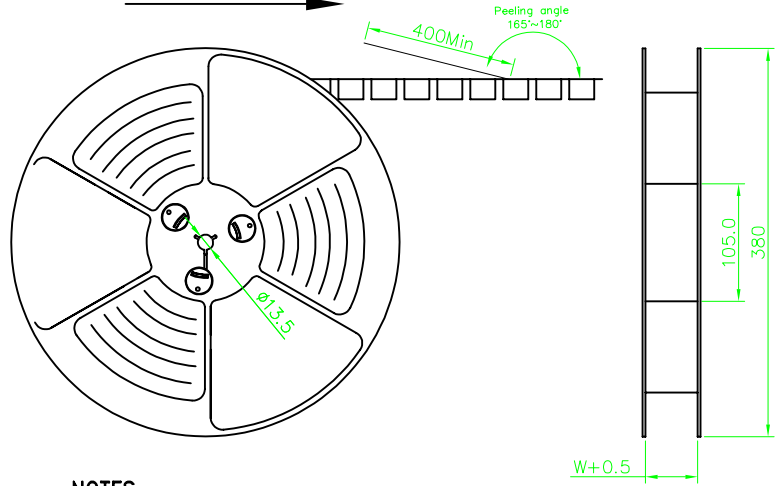
AFTER MATING
SCALE 1:1



RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ± 0.05

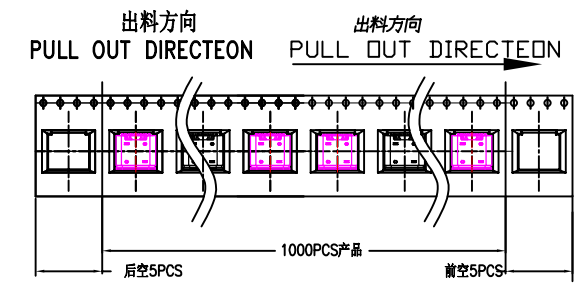
TOLERANCE UNSPECIFIED X. ° ASSEMBLY DRAWING		XB 东莞市溪榜电子有限公司 DONG GUAN XI BANG ELECTRONICS CO., LTD.			
		TITLE: USB TYPE C 16PIN, 板上垫高1.60mm (CH=3.18)			
DRAWN DATE	He. Long. Fei 2022/10/20	SIZE: A4	UNIT: mm.	PART. NO: XB-TYPEC-16P-5161X	
CHECKED DATE	Long. Liu. Ting 2022/10/20	SCALE: 1:1		PROJECTION 	REV. : A
APPROVED DATE	Lai. Hai. Jie 2022/10/20	DWG PATH		C00-0000-0085 PATH 2/3	

出料方向
PULL OUT DIRECTEON



NOTES

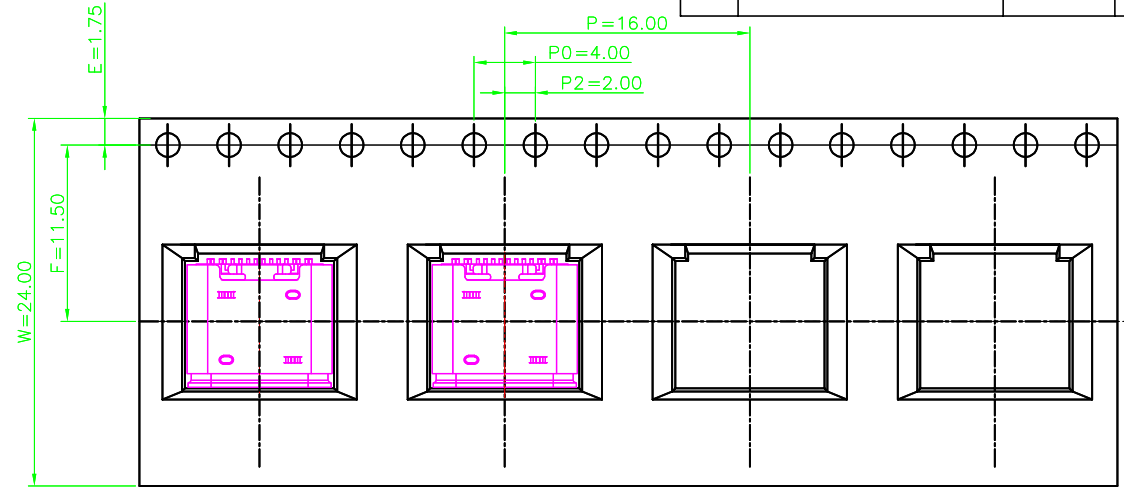
1.帶子引導長度
LEAD TAPE LENGTH



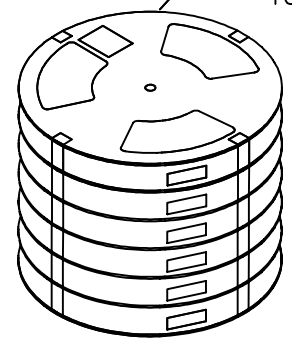
2.上帶 剝離力為: 0.1~1.3N(10.2gf~130gf)
PEELING OFF FORCE OF TOP TAPE:0.1~1.3N(10.2gf~130gf)
出貨運輸過程中一定注意:
THIS REQUIREMENT SHOULD BE APPLIED AT SHIPMENT:
卷帶在運輸過程中不能散開
PEELING OFF SHOULD NOT BE ALLOWED DURING TRANSPORTATION

包裝明細表 (The detail of the packing) Carton						
產品料號 (Product No.)	包裝容量 (Packing Capacity)		重量 Weight (Kg)			
	pcs/box	boxes/Carton	Pcs/Box	N.W./Pcs	N.W./Box	G.W./Box
XB-TYPEC-16P-5161X	1000	6	6000	----	----	----

REV.	DESCRIPTION	NAME	DATE
A	NEWS ISSUE	RainYi	2022/10/20



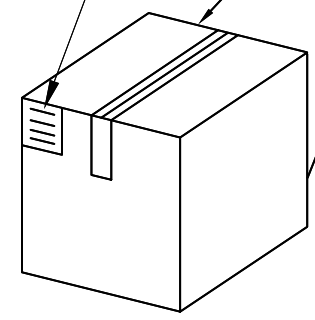
TAPE & REEL 6 PCS
1 REEL
= 1000 PCS



BOX

DIMENSIONS:
39.5X39.5X20

LABEL



1 CARTON
=6REELS
=6000 PCS

TOLERANCE UNSPECIFIED		东莞市溪榜电子有限公司 DONG GUAN XI BANG ELECTRONICS CO., LTD.					
.0	±0.35						
.00	±0.25	TITLE: USB TYPE C 16PIN, 板上垫高1.60mm (CH=3.18)					
.000	±0.15	SIZE: A4	UNIT: mm.	PART. NO:	XB-TYPEC-16P-5161X		
X.°	±1.00°	CHECKED DATE	He. Long. Fei 2022/10/20	SCALE: 1:1	PROJECTION	REV.: A	
ASSEMBLY DRAWING		APPROVED DATE	Long. Liu. Ting 2022/10/20	DWG PATH	C00-0000-0085		PATH 3/3
		Lai. Hai. Jie 2022/10/20					