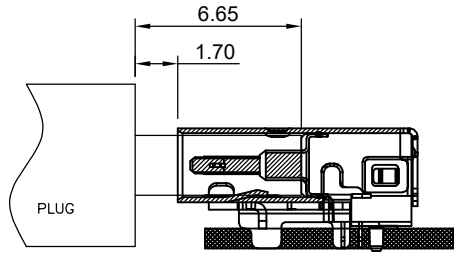
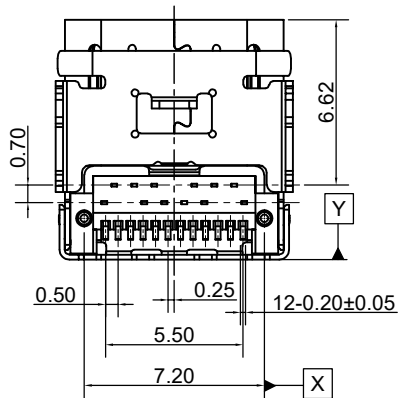
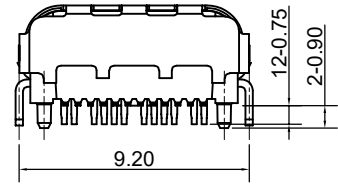
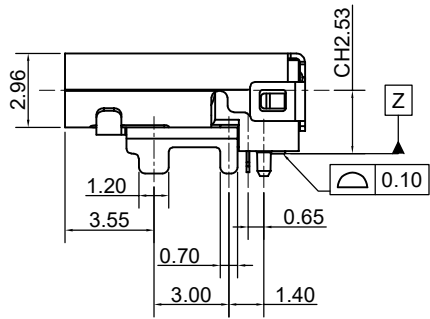
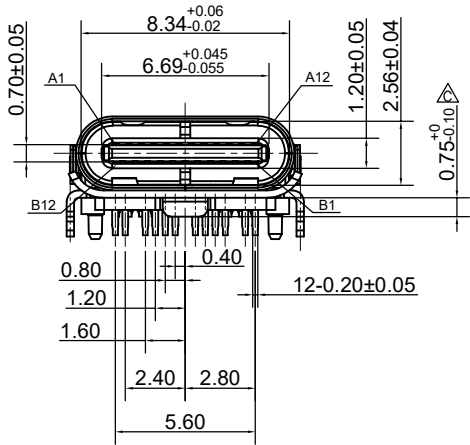
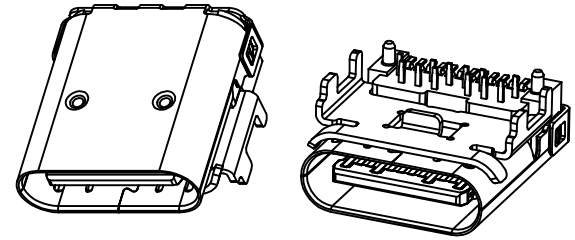
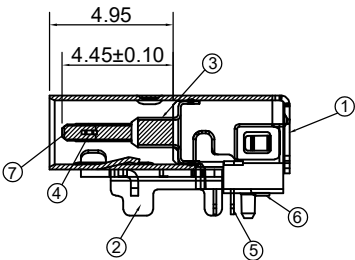
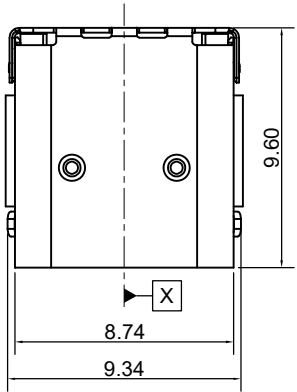


REV	ECN No.	DATE	REMARK
C	---	2025.02.06	Add:0.75+0/-0.10



MATED CONDITION(REF.)

Table:

No.	Part	Q'TY	Material				
1	Shell	1	Stainless Steel 304, NI 30u" Min Plated				
2	Down Shell	1	Stainless Steel 304, NI 30u" Min Plated				
3	EMI Plate	1	Stainless Steel 301,NI 30u" Min Plated				
4	Mid Plate	1	Stainless Steel 301, No Plated				
5	Dip Contact	12	Copper Steel C18400,Au Plated On Vontact Area Tin Plated On Solder Area;Nickel 50u"Min Underplating Over All.				
6	SMT Contact	12					
7	Housing	1	LCP Black UL94 V-0				
GENERAL TOLERANCES (UNLESS SPECIFIED)			DRAWN BY: Date:		 深圳市中兴兴达科技有限公司 Shenzhen Zhongke Xingda Technological Co.,Ltd.		
			HuangXiaoHao 2025.02.06				
			CHECKED BY: Date:				
			liuzongliang 2025.02.06				
			APPROVED BY: Date:				
X.XXX ±0.10			TITLE		USB Type-C Female Rec. 24PIN 板上L=9.6mm排距0.70mm垫高CH=2.53mm		
X.XX ±0.15			PART NO.			DWG NO.	
X.X ±0.25							
ANGULAR ±3°			Jacky 2025.02.06		CF253-24LB02R-02	CF253-24-02	
THIRD ANGLE PROJECTION			UNT	SCALE	DRAWING	SHEET NO.	REV.
			mm	1:1	A4	1 OF 3	C

REV	ECN No.	DATE	REMARK
C	---	2025.02.06	Add:0.75+0/-0.10

Note:

1.Electrical Characteristics;

1.1 Contact Resistance: 40mΩ Max For Initial.
10mΩ Change After Test. Measure At 20mv, 100mA.

1.2 Contact Current Rating: 5A for Vbus Pin;
1.25A for Vconn Pin.

1.3 Dielectric Withstanding Voltage: 100V AC R.M.S.

1.4 Insulation Resistance 100mΩ Min

1.5 Operating Temperature: -40℃ ~ 85℃

2 Mechanical Characteristics:

2.1 Mating Force: 5~20 N.

2.2 Unmated Force: 8~20N After Test

2.3 Durability: 10,000 Cycles

3.Plating

3.1 Terminal Contact: (See Tab) Gold Plating
All Over 50u" Min Nickel And 80u"Min
Tin All over 50u" Min Nickel on Solder Area

3.2 Shell: 50u" Min. Nickel All Over,

4.Salt Spray:24H

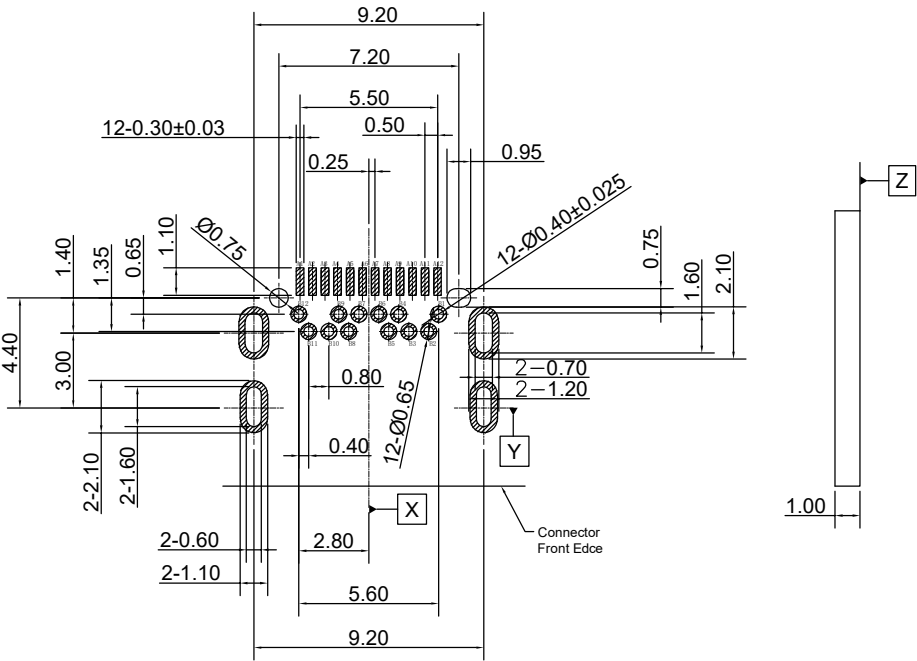
TID NO.	9900
IEC62680-1-3	25B01N000537-002-COM

Ordering Information:

CF 2 53 - 24 S L $\frac{B}{1} \frac{02}{2} \frac{R}{3}$ - 02

- 1.Housing Color:
B:Black
- 2.Contacts Plated:
02:Contact Area: Au 3u",Solder Tails:Tin
- 3.Packing Options:
R:Tape & Reel

GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY: HuangXiaoHao	Date: 2025.02.06	TD 深圳市中科兴达科技有限公司 Shenzhen Zhongke Xingda Technological Co.,Ltd.	
X.XXX	±0.10	CHECKED BY:	Date:	TITLE	
X.XX	±0.15	liuzongliang	2025.02.06	USB Type-C Female Rec. 24PIN 板上L=9.6mm排距0.70mm垫高CH=2.53mm	
X.X	±0.25	APPROVED BY:	Date:	PART NO.	DWG NO.
ANGULAR	±3°	Jacky	2025.02.06	CF253-24LB02R-02	CF253-24-02
THIRD ANGLE PROJECTION	mm	UNT	SCALE	DRAWING	SHEET NO.
			1:1	A4	2 OF 3
					REV. C

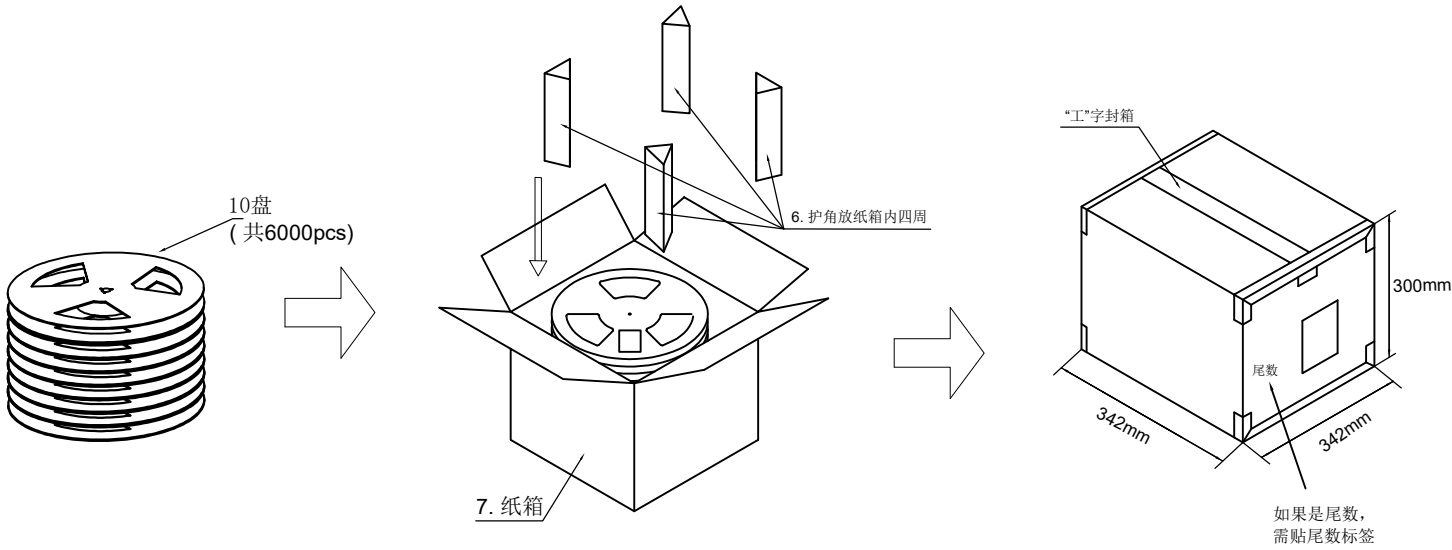
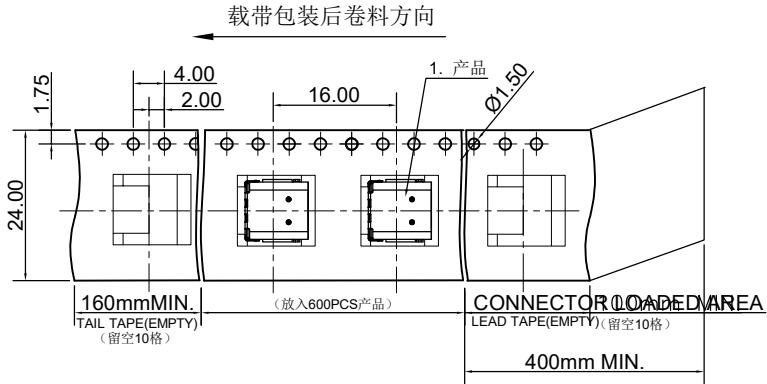
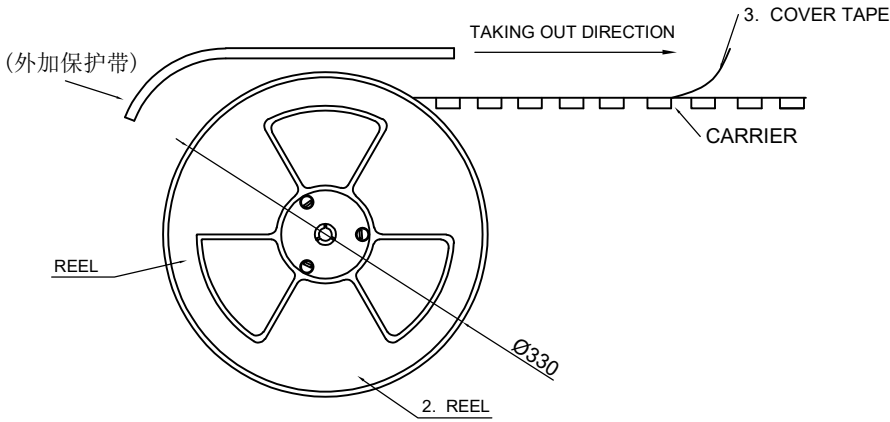


Recommended P.C.B Layout
PCB Thickness 1.0±0.05mm

USB Type-C Pin Assignments

Pin Number	Signal Name	Pin Number	Signal Name
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

REV	ECN No.	DATE	REMARK
C	---	2025.02.06	Add:0.75+0/-0.10



- Notes:
- 每卷前后各空10PCS.尾部用美纹胶纸封住,
 - 将产品放入载带内, 共放600PCS,放满盘后, 再卷一圈保护带, 保护带最后重叠约50MM, 用美纹胶纸将其封住
 - 每10卷盘装入一个防水袋, 再放入2包干燥剂, 然后放入1个外箱内; 纸箱内四周放护角;
 - 在搬运过程中要轻拿轻放.
 - 在运输中不可堆放过多,不可有重压现象.
 - 跌落测试条件:
成品箱子从1.5米高自由落体:(三棱六面一角)检验项目:
1.产品不可跑出下带凹槽.
2.产品不可有摔伤,变形.
3.外箱及内包装材料不可严重破损.

5	纸箱	CA-05002-00	双坑K=K 342*342*300	1PCS
4	三角柱			4PCS
3	COVER TAPE		21.0mm	若干
2	REEL		24.0mm	10R
1	产品			6K
序号	品名	料号	规格(mm)	用量(PCS)

净重	4.08Kg
毛重	8.36Kg

GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY: HuangXiaoHao		Date: 2025.02.06		ZDT 深圳市中科兴达科技有限公司 Shenzhen Zhongke Xingda Technological Co.,Ltd.					
X.XXX	±0.10	CHECKED BY: liuzongliang		Date: 2025.02.06		TITLE USB Type-C Female Rec. 24PIN 板上L=9.6mm排距 0.70mm垫高CH=2.53mm					
X.XX	±0.15	APPROVED BY: Jacky		Date: 2025.02.06							
X.X	±0.25										
ANGULAR	±3°			PART NO. CF253-24LB02R-02		DWG NO. CF253-24-02					
THIRD ANGLE PROJECTION		UNIT		SCALE		DRAWING		SHEET NO.		REV.	
		mm		1:1		A4		3 OF 3		C	