

REV	ECN NO.	DATE	REMARK
A0	ECN202106001	2019.01.10	NEW RELEASE
B	---	2021.06.05	增加脚长1.2规格
C	---	2021.06.17	增加本色和白色规格区分
D	---	2024.02.20	更新新图框
E	---	2025.08.08	调整中隔片R角

- SPECIFICATIONS:
- 1.ELECTRICAL PERFORMANCE
- 1-1. CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;
1.25AMPS FOR CC PIN,
0.25 AMPS. FOR ALL OTHER CONTACT
- 1-2. VOLTAGE RATING:20V DC/AC
- 1-3. CONTACT RESISTANCE: 40mΩ MAX INITIAL
50mΩ MAX AFTER TEST
- 1-4.DIELECTRIC WITHSTANDING VOLTAGE: 100V AC
- 1-5.INSULATION RESISTANCE:100MΩ MIN
- 2.MECHANICAL PERFORMANCE
- 2-1.INSERTION FORCE: 5~20N
- 2-2.EXTRACTION FORCE: 8~20N
- 2-3.DURABILITY: 10000 CYCLES
- 3.ENVIRONMENTAL PERFORMANCE:
- OPERATING TEMPERATURE: -30C~+80°C
- 4.IR REFLOW:
- THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C
- 5.SALT SPRAY:48H
- 6.COMPLIANCE WITH ROHS REQUIREMENTS

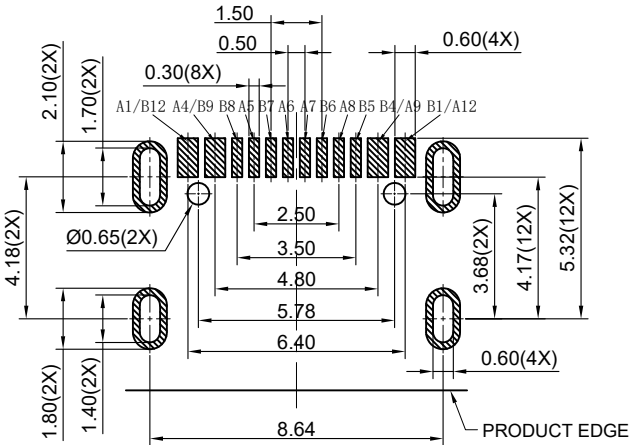
TID No.	2155
IEC62680-1-3	24B01N001455-001-COM

ORDERING INFORMATION :

CF 1 46 - 16 S C $\frac{X}{1}$ $\frac{XX}{2}$ $\frac{X}{3}$ - 01

- 1.HOUSING COLOR:
B:BLACK
- 2.CONTACTS PLATED:
12:CONTACT AREA: AU 3U",SOLDER TAILS:GF
15:CONTACT AREA: AU 30U",SOLDER TAILS:GF
- 3.PACKING OPTIONS:
R:TAPE & REEL

GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY: HuangXiaoHao	Date: 2025.08.08	 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: 2025.08.08	TITLE USB TYPE-C FEMALE 16PIN (L=7.35) WITH POST外壳带弹片	
X.X	±0.30	APPROVED BY: Jacky	Date: 2025.08.08	PART NO. CF146-16SCB12R-01	DWG NO. CF146-16-01
ANGULAR	±3°	THIRD ANGLE PROJECTION 		UNIT mm	SCALE 1:1
		DRAWING A4	SHEET NO. 2 OF 1	REV. E	



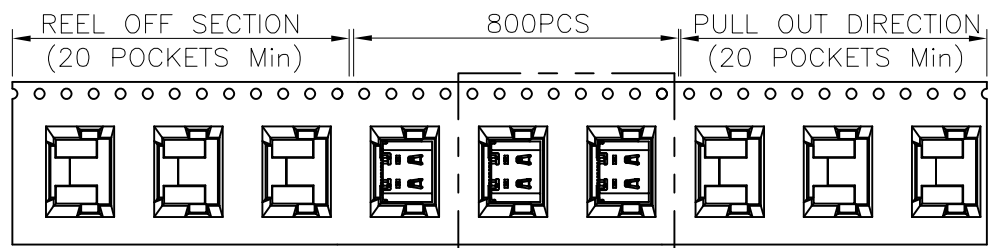
RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)

TOLERANCE FOR PCB LAYOUT IS ±0.05

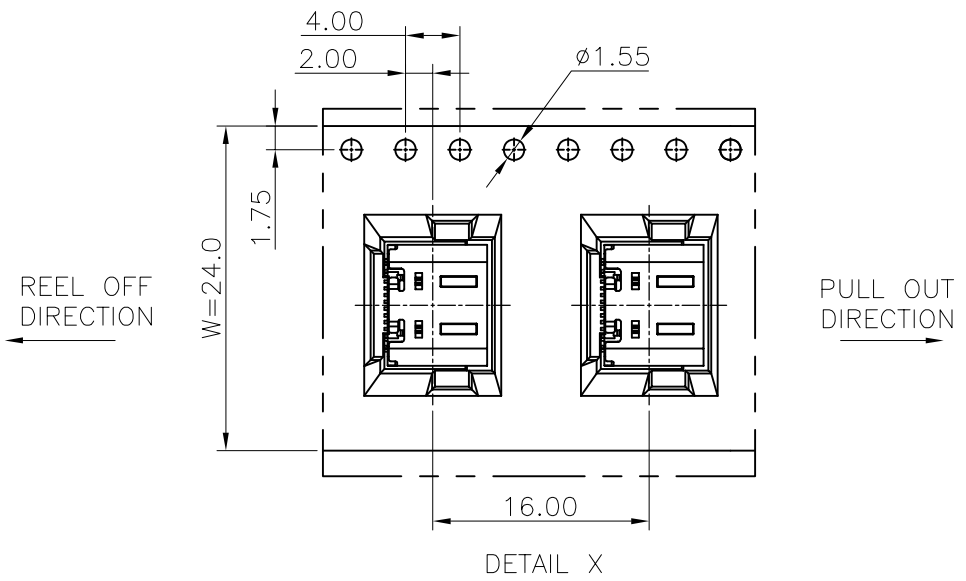
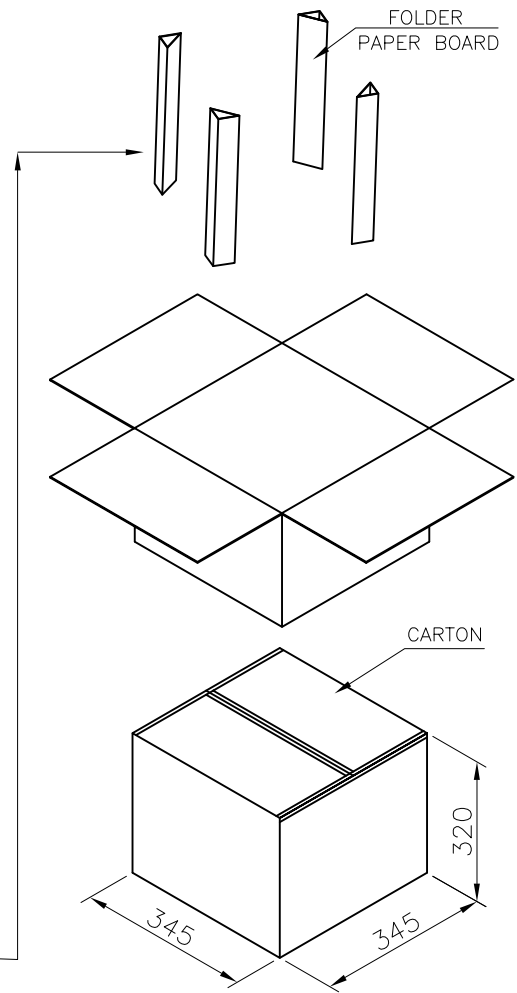
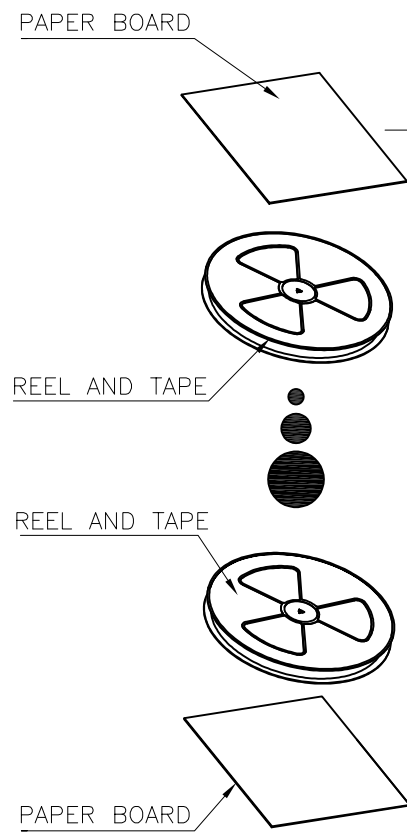
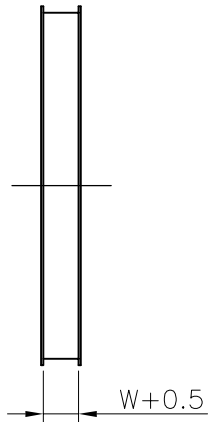
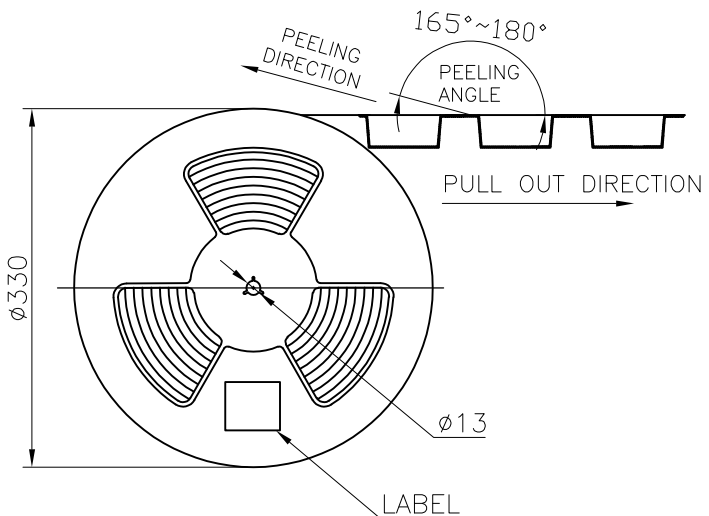
USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2		B11	
A3		B10	
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		B3	
A11		B2	
A12	GND	B1	GND

REV	ECN No.	DATE	REMARK
A0	NEW	2019.01.10	NEW RELEASE
D	---	2024.02.20	更新新图框



SEE DETAIL X



	REEL	CARTON
CONNECTOR (PCS)	800	8000

PART NO.: SEE THE PART NUMBER CODE		DRAWN BY: HuangXiaoHao	ZDT 深圳市中科兴达科技有限公司 SHENZHEN ZDT TECHNOLOGY CO.,LTD	
GENERAL TOLERANCES		CHECKED BY: liuzongliang		
x.xxxx	±	---	TITLE USB TYPE-C FEMALE 16PIN (L=7.35) WITH POST外壳带弹片-包装规范	
x.xxx	±	0.10		
x.xx	±	0.25		
x.x	±	0.30		
ANGULAR	±	3°	THIRD ANGLE PROJECTION	
		DIMENSIONS		SCALE
		mm		1:1
		DRAWING		A4
		SHEET NO.		1 OF 1
		DWG. NO.		PK-CF146-16 SLB12R-01