

RoHS
Compliant



THIS DRAWING CONTAINS INFORMATION THAT IS
PROPRIETARY TO ZDT TECHNOLOGY. AND SHOULD
NOT BE USED WITHOUT WRITTEN PERMISSION

REV	ECN No.	DATE	REMARK
A0	NEW	2019.01.10	NEW RELEASE
B	ECN202106001	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

NOTE:

1. Electrical Characteristics:

1-1: Current Rating: 5A For Pin(A4,A9,B4,B9)

1.25 A For Pin(B5)

0.25A For Others Pin

1-2: VOLTAGE RATING: 5V&20V

1-3: Insulation Resistance: 100MΩ Min.

1-4: Contact Resistance:

VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.

SHIELD: 50mΩ/MAX.

SHIELD: LLCR MAX. CHANGE OF ALL PINS: 10mΩ

1-5: Dielectric Withstanding Voltage: 100V/AC 1Minute

2. Mechanical Characteristics:

Insertion Force: 5~20N

Extraction Force: Initial: 8~20N

After durability: 6~20N

Durability :10000 Cycles

3. Operating Temperature: -25°C TO +85°C

4. PART NUMBER CODE: (产品料号)

CF146-16 $\frac{X}{(1)} \frac{X}{(2)} \frac{XX}{(3)}$ R - 01

(1) HOUSING MATERIAL:

L: LCP

C: PA9T

(2) HOUSING COLOR:

B: 黑色

W: 白色

N: 本色

L: 蓝色

(3) CONTACTS PLATED:

12: 接触镀金30u"其它1u"

15: 接触镀金30u"其它1u"

TYPE:

TYPE C协会认证TID NO. 2155

4	INNER SHELL	SUS304 T=0.30mm	NICKEL 30u" MIN PLATING	1PCS
3	SHIELDING PLATE	SUS301 T=0.15mm	CLEAR ONLY	1PCS
2	CONTACT	C18400-H T=0.12mm	NI 50U" MIN. UNDER PLATED OVER ALL AU PLATED ON THE FUNCTIONAL AREA OF CONTACT. PLATING TH. OF THE SOLDER AREA	1SET
1	HOUSING	LCP /PA9T UL94V-0	----	1PCS
NO.	DESCRIPTION	MATERIAL	REMARKS	QTY

PART NO.:
SEE THE PART NUMBER CODE



深圳市中科兴达科技有限公司
SHENZHEN ZDT TECHNOLOGY CO., LTD

DRAWN BY
SAM

DATE
2021.06.17

GENERAL TOLERANCES
(UNLESS SPECIFIED)

x.xxxx	±	---
x.xxx	±	0.10
x.xx	±	0.25
x.x	±	0.30
ANGULAR	±	---

TITLE
USB CF 16PIN (L=7.35)WITH POST 外壳带弹片

DWG.NO.
CF146-16-01

SHEET NO.
1 OF 3

DIMENSION STYLE
MM ONLY

DESIGN UNITS
METRIC

SCALE
1:1

CHECKED BY
JAY

DATE
2021.06.17

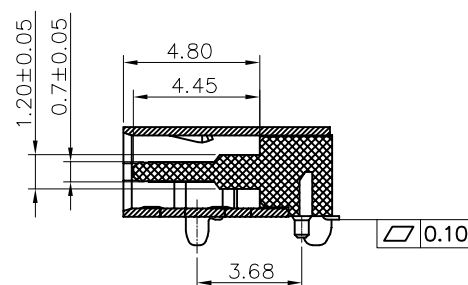
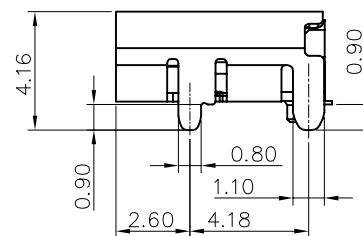
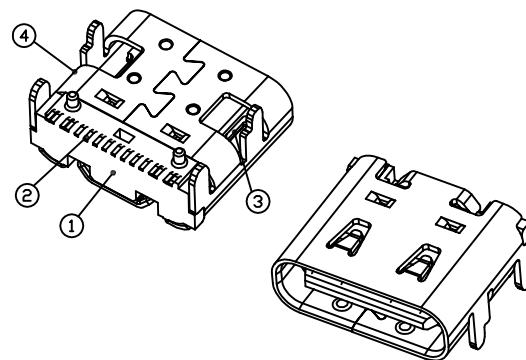
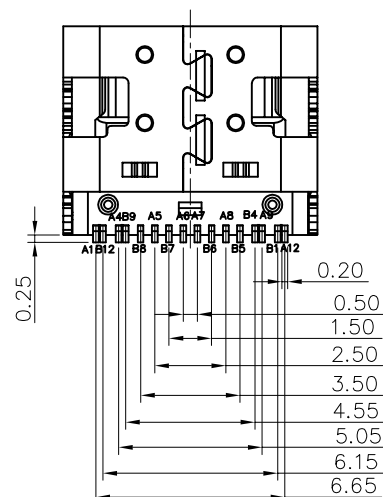
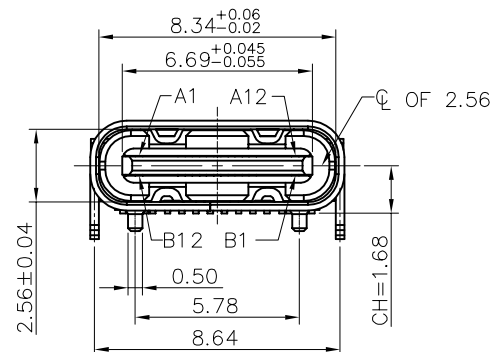
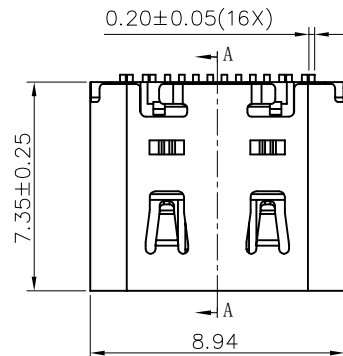
APPROVED BY
JACKY

DATE
2021.06.17



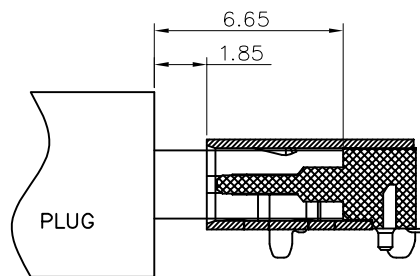
THIRD ANGLE
PROJECTION

frame size: A4

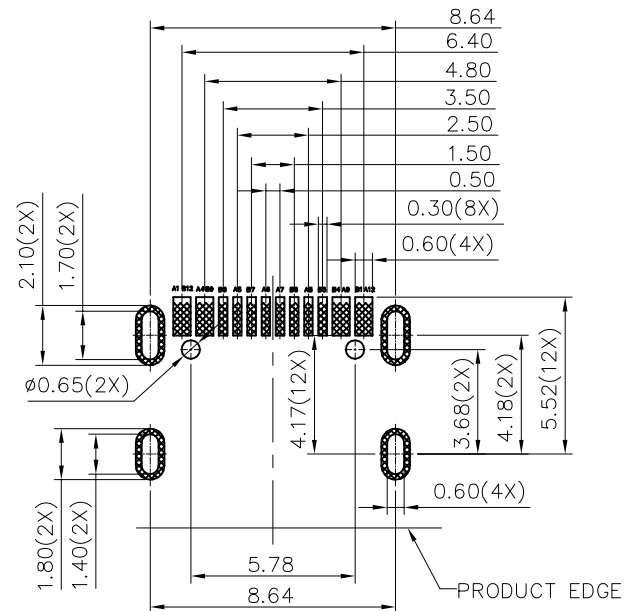


SECTION: A-A

REV	ECN No.	DATE	REMARK
A0	NEW	2019.01.10	NEW RELEASE
B	ECN202106001	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



AFTER MATING



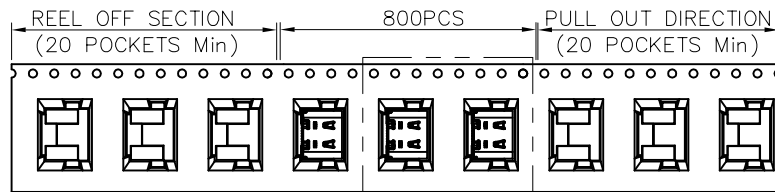
RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

USB TYPE-C PIN ASSIGNMENTS

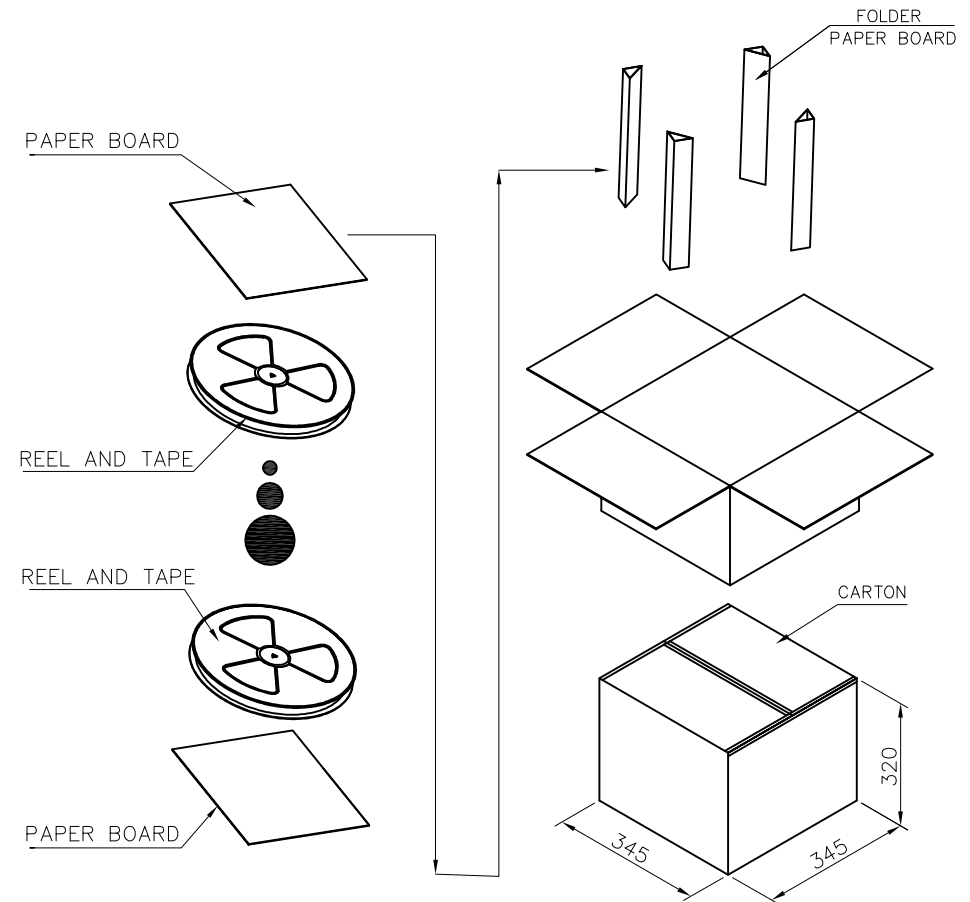
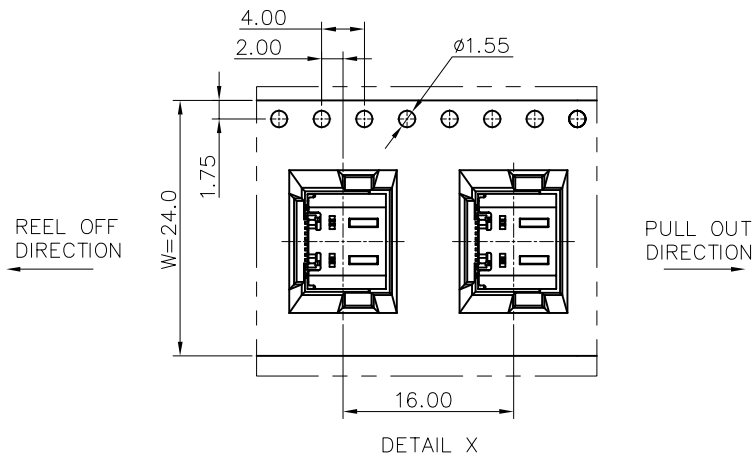
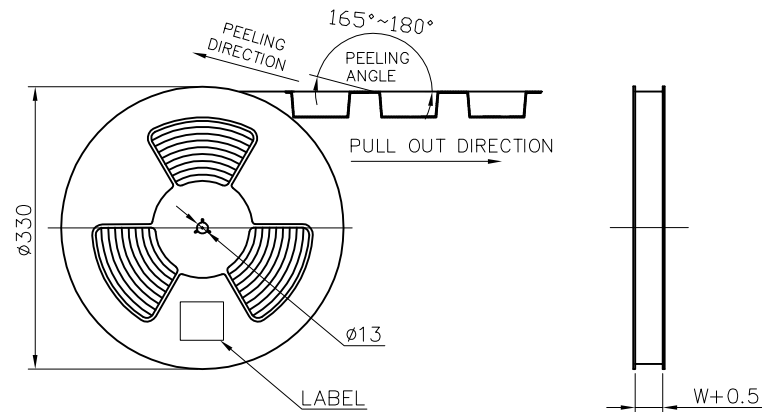
PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND

PART NO.: SEE THE PART NUMBER CODE			 深圳市中科兴达科技有限公司 SHENZHEN ZDT TECHNOLOGY CO.,LTD			DRAWN BY SAM		DATE 2021.06.17						
QUALITY SYMBOL     	GENERAL TOLERANCES (UNLESS SPECIFIED)		TITLE USB CF 16PIN (L=7.35)WITH POST 外壳带弹片				CHECKED BY JAY		DATE 2021.06.17					
	X.XXXXX		± ---		DWG.NO. CF146-16-01				SHEET NO. 2 OF 3		APPROVED BY JACKY		DATE 2021.06.17	
	X.XXX		± 0.10											
	X.XX		± 0.25											
	X.X		± 0.30											
ANGULAR		± ---		DIMENSION STYLE MM ONLY		DESIGN UNITS METRIC		SCALE 1:1		 THIRD ANGLE PROJECTION				

REV	ECN No.	DATE	REMARK
A0	NEW	2019.01.10	NEW RELEASE
B	ECN202106001	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



SEE DETAIL X-



	REEL	CARTON
CONNECTOR (PCS)	800	8000

QUALITY SYMBOL ▽= 0 ▽= 0 ▽= 0	PART NO.:		 深圳市中科兴达科技有限公司 SHENZHEN ZDT TECHNOLOGY CO., LTD				DRAWN BY		DATE							
	SEE THE PART NUMBER CODE						SAM		2021.06.17							
	GENERAL TOLERANCES (UNLESS SPECIFIED)		TITLE USB CF 16PIN (L=7.35)WITH POST 外壳带弹片						CHECKED BY		DATE					
									JAY		2021.06.17					
			X.XXXXX		± ---		DWG.NO. CF146-16-01				SHEET NO. 3 OF 3		APPROVED BY JACKY		DATE 2021.06.17	
			X.XXX		± 0.10											
			X.XX		± 0.25		DIMENSION STYLE MM ONLY						DESIGN UNITS METRIC		SCALE 1:1	
	X.X		± 0.30													
ANGULAR		± ---°														