


10 9 8 7 6 5 4 3 2 1

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
A	NEW	2021.01.02	NEW RELEASE

TID NO. 10565

NOTE:

1.MATERIAL SPECIFICATION:
 1-1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
 1-2.TERMINAL: COPPER ALLOY
 1-3.MID PLATE: STAINLESS STEEL(SUS301 T=0.15mm)
 1-4.FRONT SHELL: STAINLESS STEEL(SUS304 T=0.3mm)
 1-5.EMI PLATE: STAINLESS STEEL(SUS304 T=0.10mm)

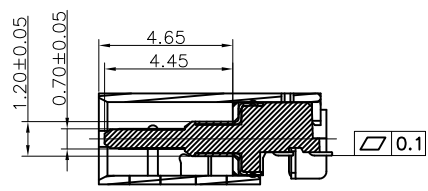
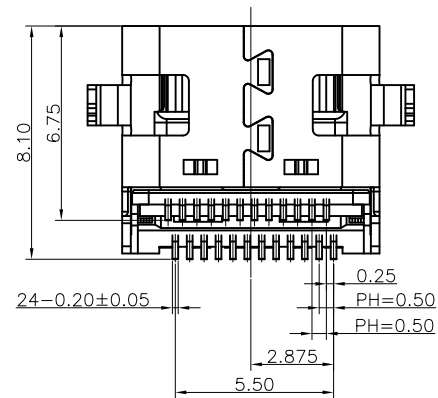
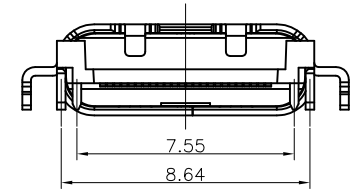
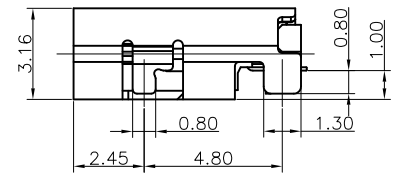
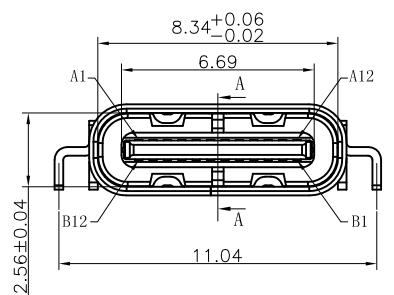
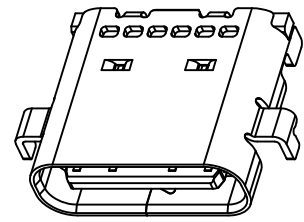
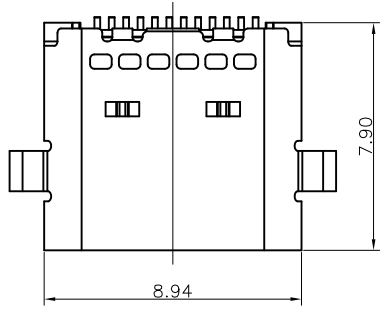
2.PLATING SPECIFICATION:
 2-1.TERMINAL:
 Ni 50u" MIN. UNDER PLATED OVER ALL.
 Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
 (GOLD PLATING THICKNESS FOLLOW THE P/N)
 PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N
 2-2.FRONT SHELL:
 Ni 30u" MIN. UNDER PLATED OVER ALL.
 2-3.MID PLATE
 CLEAR ONLY
 2-4.EMI PLATE:
 CLEAR ONLY

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. VOLTAGE RATING:5 V DC/AC (RMS. max)
 CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;
 1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.
 4-2. LLCR:.
 VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
 SHIELD: 50mΩ/MAX.
 LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
 4-3.INSULATION RESISTANCE: 100MΩ MIN
 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:
 OPERATING TEMPERATURE: -25°C~+85°C.

6.IR REFLOW:
 THE PEAK TEMPERATURE ON THE BOARD SHALL
 BE MAINTAINED FOR 10 SECONDS AT 260°C.




SECTION A-A
SCALE 1:1

7. PART NUMBER CODE:(产品料号)
 CF259-24 X X XX R - 02


HOUSING MATERIAL: L:LCP
 HOUSING COLOR: B:BLACK

PACKING OPTIONS
 R:卷装

CONTACTS PLATED:
 12:接触镀金3u"其它GF

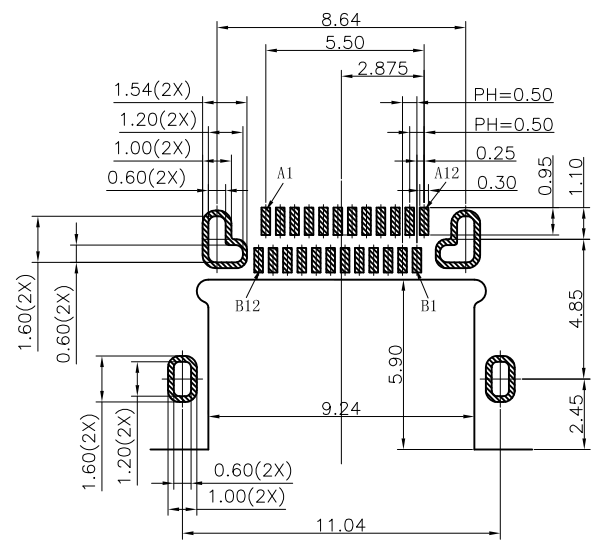
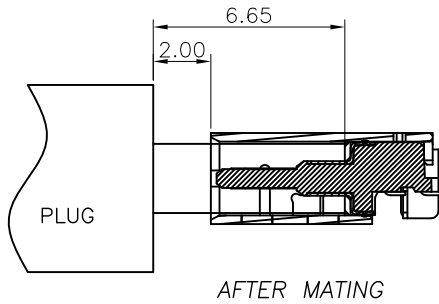
PART NO.: SEE THE PART NUMBER CODE		 深圳市中科兴达科技有限公司 SHENZHEN ZDT TECHNOLOGY CO.,LTD		DRAWN BY SAM	DATE 2021.01.02
QUALITY SYMBOL		TITLE TYPE C母座24PIN双排沉板1.0		CHECKED BY JAY	DATE 2021.01.02
GENERAL TOLERANCES (UNLESS SPECIFIED)		DWG.NO. CF259-24-02		APPROVED BY JACKY	
x.xxxxx	± ---	SHEET NO. 1 OF 1		DATE 2021.01.02	
x.xxx	± 0.10	SCALE 1:1		THIRD ANGLE PROJECTION	
x.xx	± 0.25	DIMENSION STYLE MM ONLY		SCALE 1:1	
x.x	± 0.30	DESIGN UNITS METRIC		frame size: A4	
ANGULAR	± ---°				

10 9 8 7 6 5 4 3 2 1

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
A	NEW	2021.01.02	NEW RELEASE


TID NO. 10565



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	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

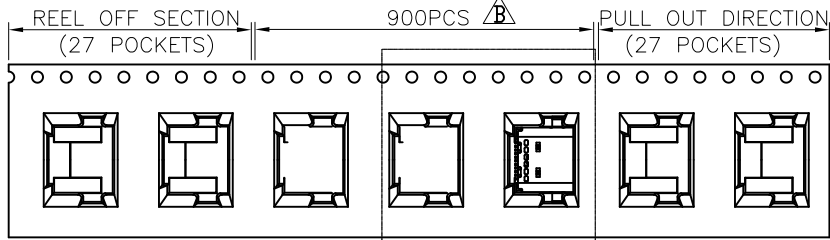
PART NO.: SEE THE PART NUMBER CODE		 深圳市中科兴达科技有限公司 SHENZHEN ZDT TECHNOLOGY CO., LTD		DRAWN BY SAM	DATE 2021.01.02
QUALITY SYMBOL		TITLE TYPE C母座24PIN双排沉板1.0		CHECKED BY JAY	DATE 2021.01.02
0		DWG. NO. CF259-24-02		APPROVED BY JACKY	DATE 2021.01.02
GENERAL TOLERANCES (UNLESS SPECIFIED)		SHEET NO. 2 OF 3		THIRD ANGLE PROJECTION	
x.xxxxx ± ---		SCALE 1:1		DIMENSION STYLE MM ONLY	
x.xxx ± 0.10		DESIGN UNITS METRIC		frame size: A4	
x.xx ± 0.25					
x.x ± 0.30					
ANGULAR ± ---					

RoHS Compliant

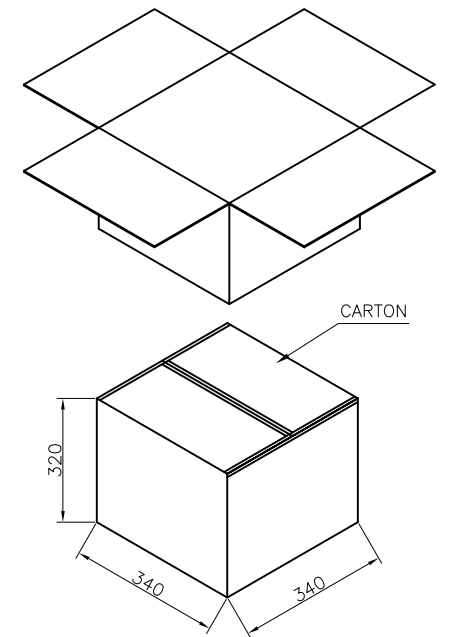
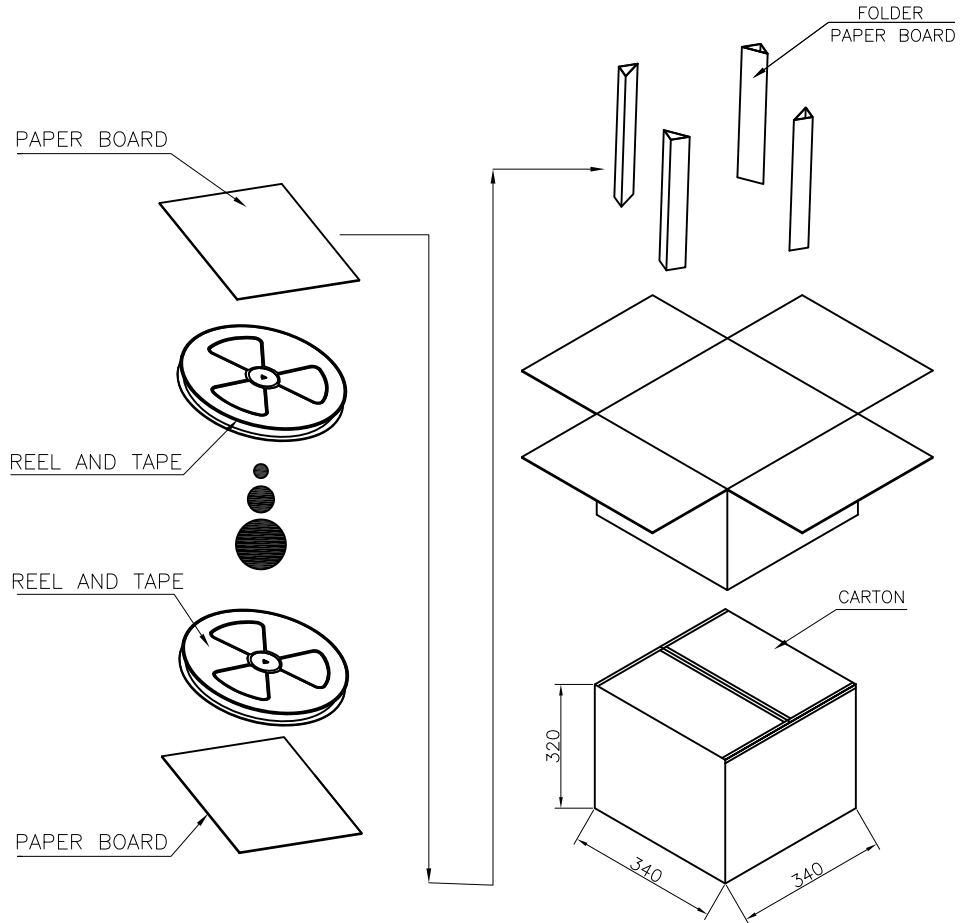
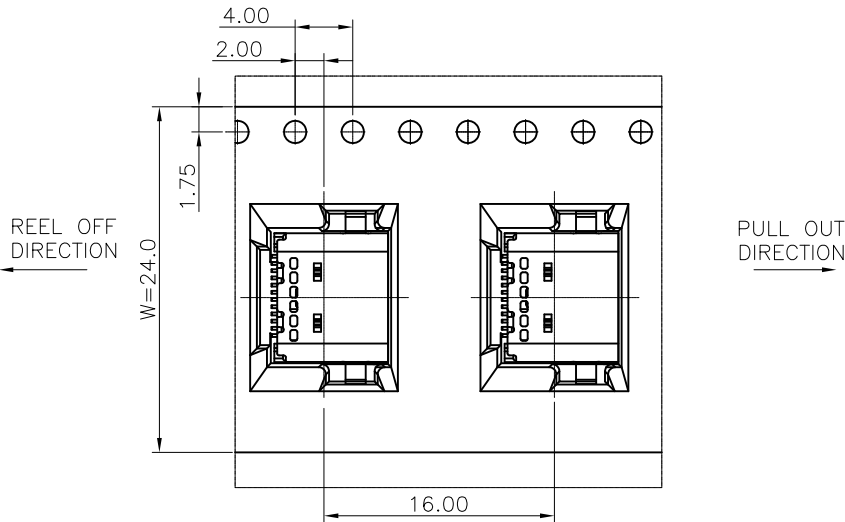
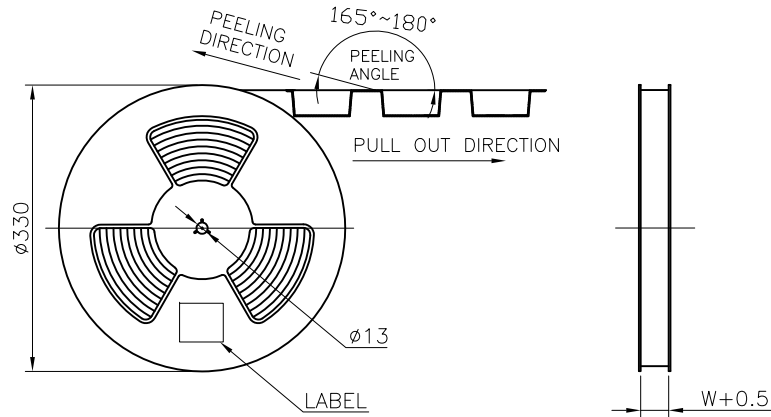


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO ZDT TECHNOLOGY, AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REV	ECN No.	DATE	REMARK
A	NEW	2021.01.02	NEW RELEASE
B	ECR230722-003	2023.07.22	依实物1000PCS=>900PCS



SEE DETAIL X



	REEL	CARTON
CONNECTOR (PCS)	900	9000

PART NO.: SEE THE PART NUMBER CODE		ZDT 深圳市中科兴达科技有限公司 SHENZHEN ZDT TECHNOLOGY CO., LTD		DRAWN BY SAM	DATE 2023.07.22
GENERAL TOLERANCES (UNLESS SPECIFIED)		TITLE TYPE C母座24PIN双排沉板1.0			
QUALITY SYMBOL 0	x.xxxx	±	---	DWG.NO. CF259-24-02	SHEET NO. 3 OF 3
	x.xxx	±	0.10	DIMENSION STYLE MM ONLY	DESIGN UNITS METRIC
	x.xx	±	0.25	SCALE 1:1	THIRD ANGLE PROJECTION
	x.x	±	0.30		
	ANGULAR	±	---		

frame size: A4