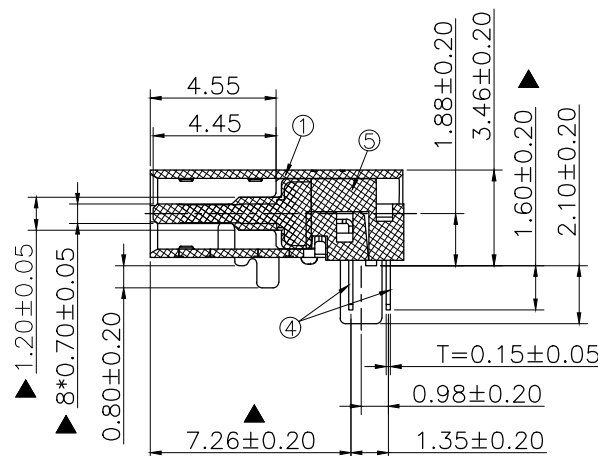
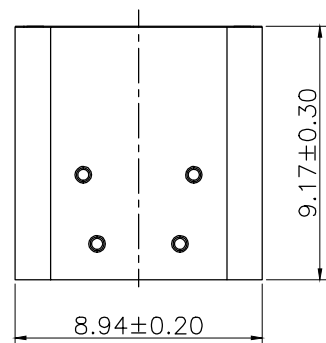
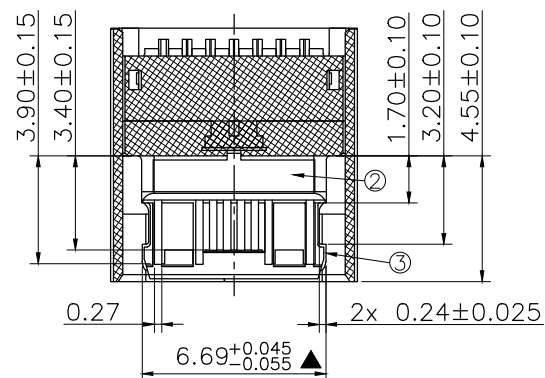
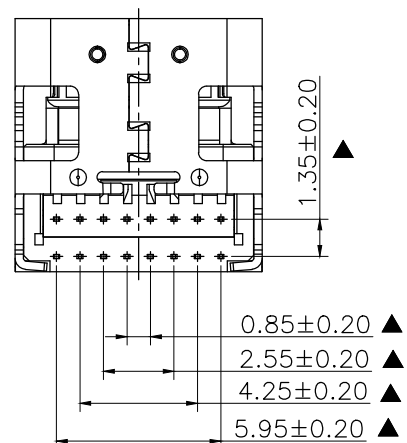
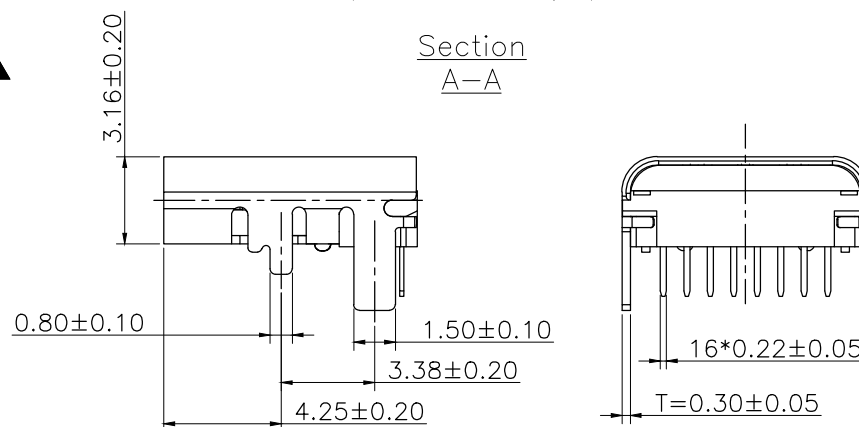
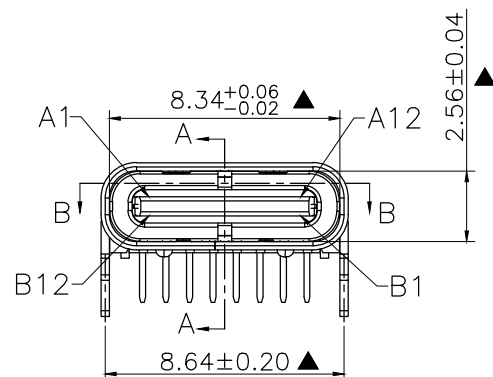




Section
A-A



Section
B-B

3		2		1	
REV	ECN No.	DATE	REMARK		
A	NEW	2022.10.25	NEW RELEASE		
B	---	2023.08.14	变更新图框		
C	---	2023.09.25	整理图纸		

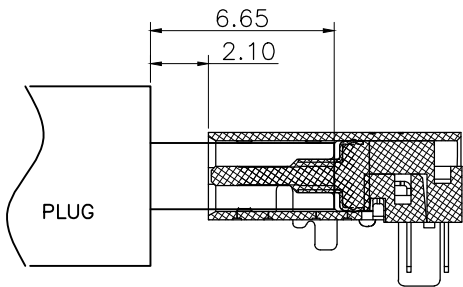
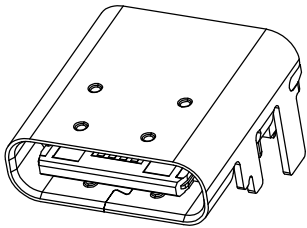
Specifcations:

- specifications
- 1.0 Electrical performance:
 - 1.1 Contact resistance: 40mΩ max for initial.
10mΩ change after test. measure at 20mv,
100mA.
 - 1.2 Dielectric withstanding voltage:AC 100V(rms).
 - 1.3 Insulation resistance:100MΩ min.
 - 1.4 Contact current rating: 3A
 - 1.5 Voltage: 20 Vac (rms).
 - 2.0 mechanical performance:
 - 2.1 Mating force:5~20N
 - 2.2 Unmating force:8~20N Initial test,
6~20N After test
 - 2.3 Durability:10,000 cycles.
 - 3.0 Environmental performance:
 - 3.1 Temperature range:
 - 3.2 Operating temperature: -40°to+85°.
 - 3.3 Storage temperature: -20°to+60°.
 - 4.With "▲" for the key control size
- 5.PART NUMBER CODE:
- CF $\frac{2}{(1)} \frac{16}{(2)} - 016 S \frac{L}{(3)} \frac{B}{(4)} \frac{XX}{(5)} \frac{R}{(6)} - \frac{X}{(7)} - 02$
- (1) Product type:
2:TOP-MOUNT
 - (2) Pin No.:
16:16Pin
 - (3) HOUSING MATERIALS:
L:LCP
 - (4) HOUSING COLOR:
B:BLACK
 - (5) CONTACTS PLATED:
11: Au1u" plated on contact area
GF on solder area; Nickel 50u"min underplating over all.
01: Au1u" plated on contact area
Matte Tin plated 50u"min on solder
area; Nickel 50u"min underplating over all.
 - (6) PACKING OPTIONS
R:TAPE & REEL
 - (7) WITH/WITHOUT EMI
无:带EMI
1:不带EMI

TABLE:				
NO	PART	QTY	Material	
1	SHELL	1	STAINLESS STEEL 304, 50U"MIN NICKEL PLATING	
2	EMI Plate	1	STAINLESS STEEL 301,Ni 30u" MIN PLATED(SEE THE PART NUMBER CODE)	
3	Mid Plate	1	STAINLESS STEEL 301, NO PLATED	
4	CONTACT	16	COPPER STEEL C18400,Au(PART NUMBER CODE) plated on contact area Matte Tin plated 50u"min(Or GF) on solder area; Nickel 50u"min underplating over all.	
5	HOUSING	1	LCP BLACK UL94 V-0	

PART NO.:		DRAWN BY:		 深圳市中科兴达科技有限公司 SHENZHEN ZDT TECHNOLOGY CO.,LTD		
SEE THE PART NUMBER CODE		HuangXiaoHao				
GENERAL TOLERANCES		CHECKED BY:				
		liuzongliang				
		APPROVED BY:				
x.xxxx	± ---	Jacky		TITLE USB Type-C Receptacle 16PIN DIP CH1.88		
x.xxx	± 0.10					
x.xx	± 0.25					
x.x	± 0.30					
ANGULAR	± 3'					
		THIRD ANGLE PROJECTION				
						
		mm	1:1	A4	1 OF 1	CF216-016-02

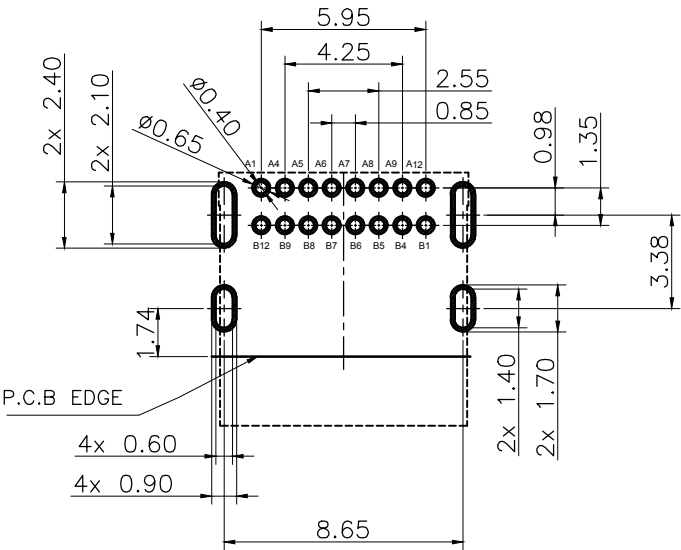
REV	ECN No.	DATE	REMARK
A	NEW	2022.10.25	NEW RELEASE
B	---	2023.08.14	变更新图框
C	---	2023.09.25	整理图纸



AFTER MATING

USB TYPE-C PIN ASSIGNMENTS

Pin	Signal	Mating Sequence	Pin	Signal	Mating Sequence
A1	GND	First	B12	GND	First
A4	V _{BUS}	First	B9	V _{BUS}	First
A5	CC1	Second	B8	SBU2	Second
A6	Dp1	Second	B7	Dn2	Second
A7	Dn1	Second	B6	Dp2	Second
A8	SBU1	Second	B5	CC2	Second
A9	V _{BUS}	First	B4	V _{BUS}	First
A12	GND	First	B1	GND	First
SHELL		GND	SHELL		GND



RECOMMENDED PCB LAYOUT(TOP)
TOLERANCES:±0.05MM

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	TITLE			
x.xxxx	± ---	APPROVED BY: Jacky	USB Type-C Receptacle 16PIN DIP CH1.88			
x.xxx	± 0.10					
x.xx	± 0.25					
x.x	± 0.30	THIRD ANGLE PROJECTION		DIMENSIONS	SCALE	DRAWING
ANGULAR	± 3°			mm	1:1	A4
				SHEET NO.	DWG.NO.	
				2 OF 2	CF216-016-02	