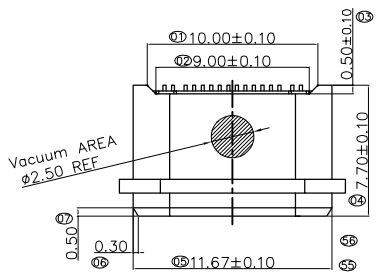
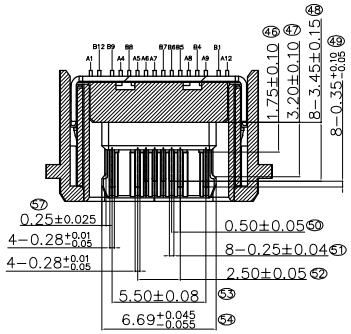
RoHS Compliant

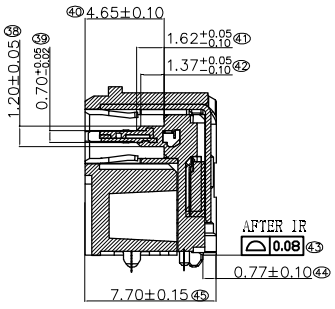
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO ZDT TECHNOLOGY. AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

REV	ECN No.	DATE	REMARK
A	NEW	2021.08.08	NEW RELEASE

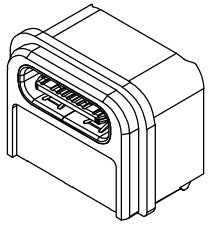




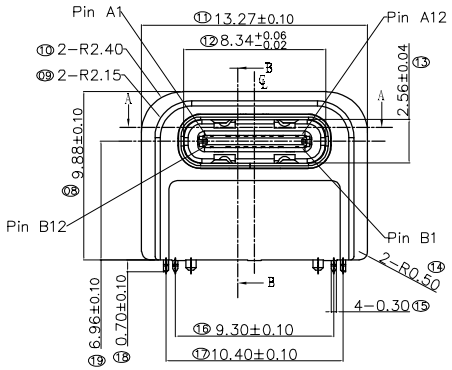
SECTION A−A

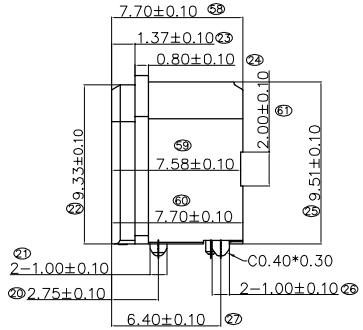


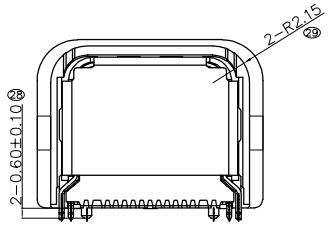
SECTION B−B

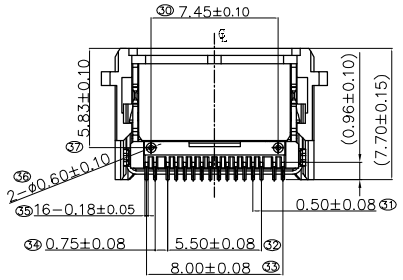


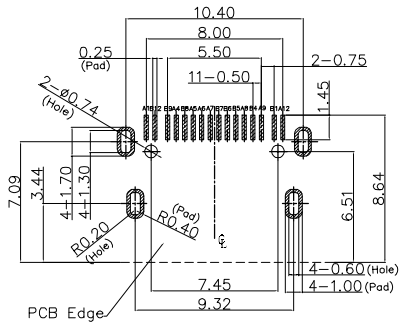
NOTE:
1. Material:
   All Housing: LCP(Polyplastics),Black,Thermoplastics,UL94V−0
   Insulation Jacket: LCP(Polyplastics),Black,Thermoplastics,UL94V−0
   Contact: Copper Alloy
   Mid Plate: Stainless Steel
   Outer Shell: Stainless Steel
   Inner Shell: Stainless Steel
2. FINISH:
   Contact: Au 2u" Min. over Pd−Ni 30u" Min. on Contact Area
   Au 2u" Min. on Solder Area
   80~200u" Nickel Underplating Over All
   Mid−Plate: 40~200u" Nickel Over All
   Inner & Outer Shell: 40~200u" Nickel Over All
3. Outer Shell (Insulator) Minimum Thickness 0.40mm
4. Electrical Characteristics:
   Current Rating: 5A For Pin(A4,A9,B4,B9)
   1.25A For Pin(A1,A12,B1,B12,B5)
   0.25A For Others Pin
   Insulation Resistance: 100MΩ Min.
   Contact Resistance: 40 mΩ Max. Before the test
   50 mΩ Max. After the test
   Dielectric Withstanding Voltage: 500V/AC/0.1S/0.1m
5. Mechanical Characteristics:
   Insertion Force: 5~20N
   Extraction Force: Initial: 8~20N
   After durability: 6~20N
   Durability :10000 Cycles
6. Operating Temperature: −45°C TO +85°C











Recommended PCB Layout
General Tolerance ±0.05
Pad Area
Top View

PIN ASSIGNMENT

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	TX2+	B11	RX2+
A3	TX2-	B10	RX2-
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	D+	B7	D-
A7	D-	B6	D+
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	RX2-	B3	TX2-
A11	RX2+	B2	TX2+
A12	GND	B1	GND

NO.	NAME	PART NUMBER	MATERIAL	PLATING	MARK
9	UP Terminal	GUB129H-1B1-VA2A	C18400	Note.2	1SET
8	Down Terminal	GUB130H-1B1-VA2A	C18400	Note.2	1SET
7	Insulation Jacket	HUB121L-1A1-BX00-H	LCP E130i BK UL 94V-0, HF		1PCS
6	Down Molding	HUT134L-1A1-BM2A-H			1PCS
5	Up Molding	HUT125L-1A1-BM2A-H			1PCS
4	Second Molding	HUT120L-1B1-BM2A-H			1PCS
3	Mid-Plate	GUB139U-1A1-VN72	SUS301	Note.2	1PCS
2	Inner Shell	GUB138U-1A1-VN72	SUS304	Note.2	1PCS
1	Outer Shell	GUB133U-1B1-SN72	SUS304	Note.2	1PCS

PART NO.: CFW16-001SLB11R-68

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

QUALITY SYMBOL 0 ≤ 0 ≥

GENERAL TOLERANCES (UNLESS SPECIFIED)	
X.XXXX	± ---
X.XXX	± 0.10
X.XX	± 0.25
X.X	± 0.30
ANGULAR	± --°

TITLE: TYPE C F 16PIN SMT TYPE CH6.96防水IP45

DWG.NO.: CFW16-001-68

SHEET NO.: 1 OF 1

DIMENSION STYLE: MM ONLY

DESIGN UNITS: METRIC

SCALE: 1:1

THIRD ANGLE PROJECTION

		DATE
DRAWN BY	SAM	2021.08.08
CHECKED BY	JAY	2021.08.08
APPROVED BY	JACKY	2021.08.08

frame size: A4