

RoHS
Compliant



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

TID NO. 9900

REV	ECN No.	DATE	REMARK
A	NEW	2021.12.25	NEW RELEASE
B	---	2023.09.25	更新图纸

NOTE:

1.MATERIAL:

- 1.1 INSULATOR: HIGH TEMPERATURE PLASTIC LCP UL 94 V-0;
- 1.2 CONTACT: COPPER ALLOY C18400
- 1.3 SHELL:STAINLESS STEEL SUS304
- 1.4 MID PLATE: STAINLESS STEEL(SUS301)
- 1.5 EMI PLATE: STAINLESS STEEL(SUS301)

2.ELECTRICAL CHARACTERISTICS;

- 2.1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST.
MEASURE AT 20mV, 100mA.
- 2.2 CONTACT CURRENT RATING: 5A FOR VBUS PIN; 1.25A FOR VCONN PIN.
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.
- 2.4 INSULATION RESISTANCE 100MΩ Min
- 2.5 OPERATING TEMPERATURE: -40°C ~ 85°C

3 MECHANICAL CHARACTERISTICS:

- 3.1 MATING FORCE: 5~20 N.
- 3.2 UNMATED FORCE: 8~20N AFTER TEST
- 3.3 DURABILITY: 10,000 CYCLES

4.PLATING

- 4.1 TERMINAL CONTACT: (SEE TAB) GOLD PLATING ALL OVER 50u" Min NICKEL
AND 80u"Min Tin ALL OVER 50u" Min NICKEL ON SOLDER AREA
- 4.2 SHELL: 50u" Min. NICKEL ALL OVER,

5. PART NUMBER CODE:

CF253-24 X X XX R - 02

PACKING OPTIONS
R:TAPE & REEL
CONTACTS PLATED:
02:半金锡3u"
HOUSING COLOR:
B:BLACK
HOUSING MATERIAL:
L:LCP

PIN DEFINITION:

PIN No.	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
	GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND
PIN No.	B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
	GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND

PART NO.:

SEE THE PART NUMBER CODE

QUALITY SYMBOL	GENERAL TOLERANCES
0	x.xxxx ± ---
1	x.xxx ± 0.10
2	x.xx ± 0.15
3	x.x ± 0.25
4	ANGULAR ± ---°

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

TITLE
USB TYPE-C FEMALE REC 24PIN
板上L=9.6MM排距0.70MM垫高CH=2.53MM



THIRD ANGLE
PROJECTION

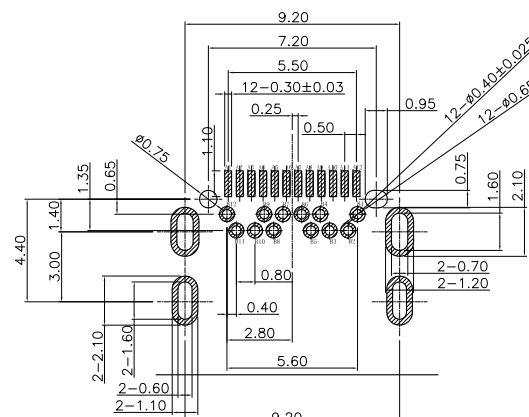
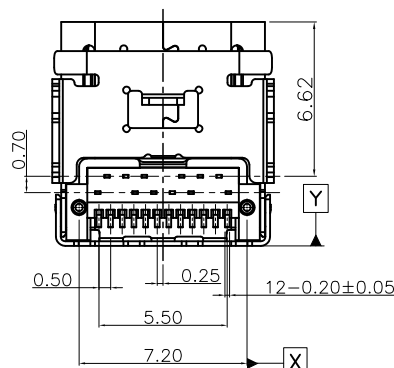
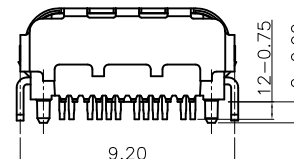
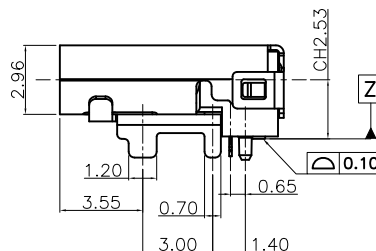
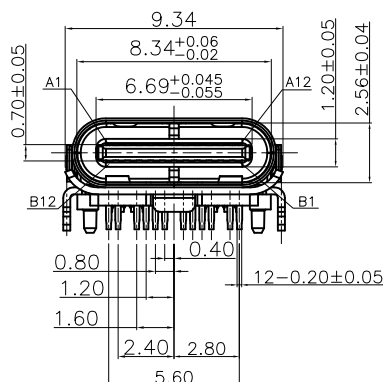
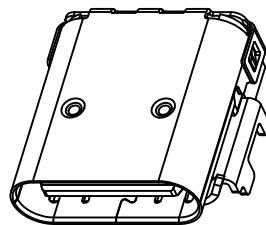
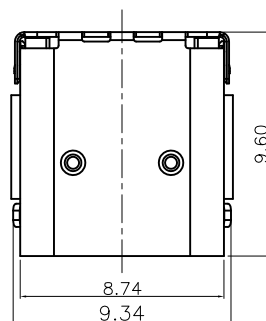
UNIT
mm

SCALE
1:1

SHEET NO.
1 OF 1

DWG.NO.
CF253-24-02

frame size: A4



RECOMMENDED P.C.B LAYOUT
PCB THICKNESS 1.0±0.05mm