

F

E

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F

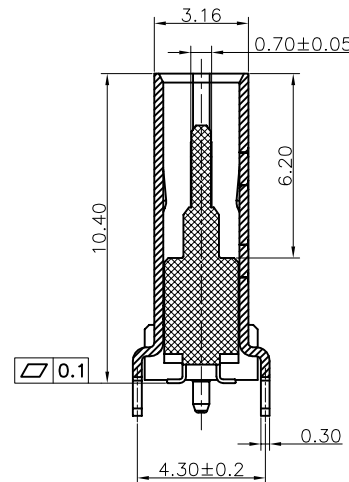
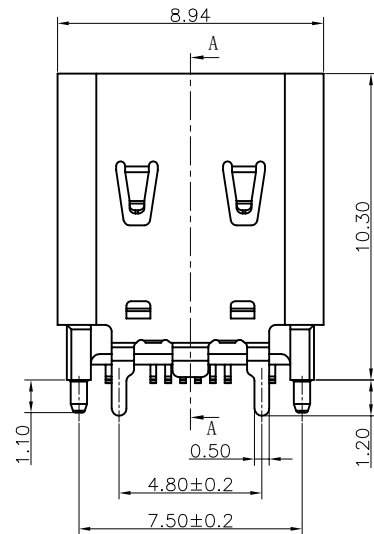
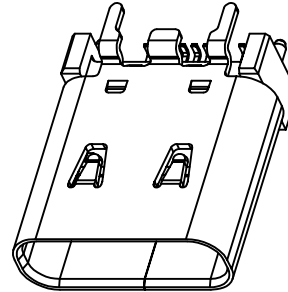
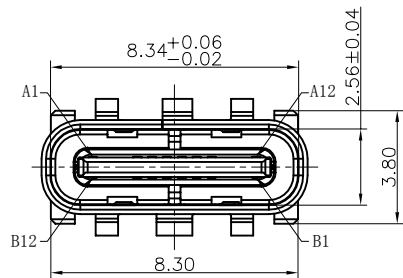
E

D

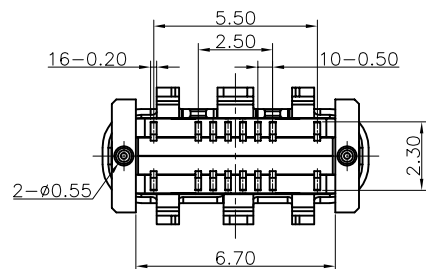
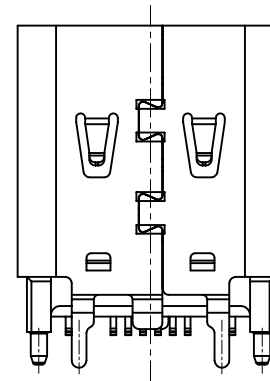
C

B

A



SECTION A-A
SCALE 1:1



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)

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:

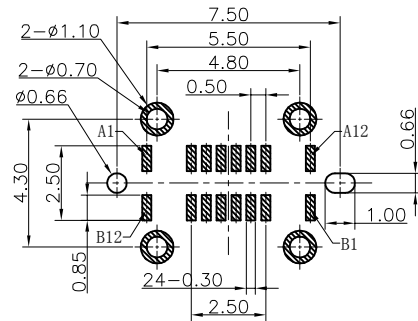
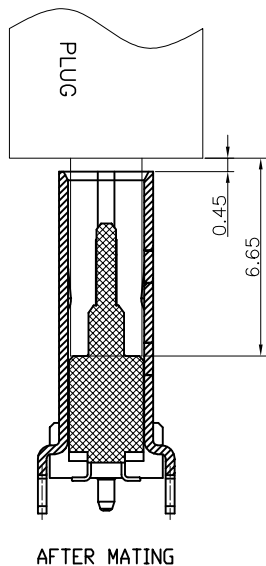
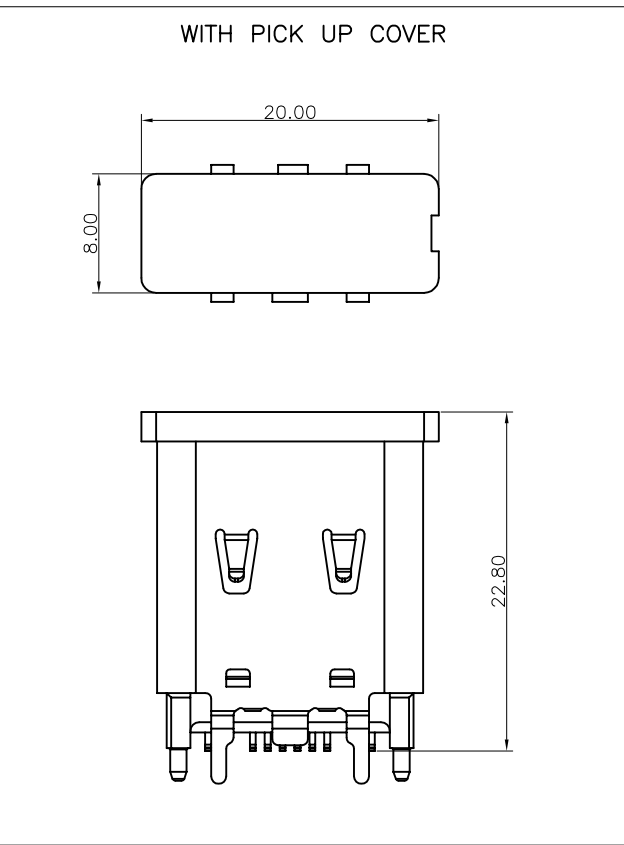
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

7.PART NUMBER CODE:(产品料号)

CF 1 16 - 013 S X X XX R - 02
(1)(2) (3)(4) (5)(6)

- (1) 产品形态: 1:180度直立式
- (2) Pin No.: 16:16PIN
- (3) HOUSING MATERIAL: L:LCP
- (4) HOUSING COLOR: B:BLACK
- (5) CONTACTS PLATED: 02:接触镀金3u"焊接区雾锡
12:接触镀金3u"其它GF
- (6) PACKING OPTIONS R:TAPE & REEL

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 2022.02.14				
QUALITY SYMBOL 0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		TITLE TYPE C母座16P直立式SMT H=10.4				CHECKED BY JAY		DATE 2022.02.14			
	x.xxxx		± ---		DWG.NO. CF116-013-02				SHEET NO. 1 OF 2			
	x.xxx		± 0.10									
	x.xx		± 0.20		APPROVED BY JACKY				DATE 2022.02.14			
	x.x		± 0.30									
	ANGULAR		± ---°		SCALE 1:1				THIRD ANGLE PROJECTION			
DIMENSION STYLE MM ONLY		DESIGN UNITS METRIC										



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
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

QUALITY SYMBOL

0

GENERAL TOLERANCES
(UNLESS SPECIFIED)

x.xxxx

x.xxx

x.xx

x.x

ANGULAR

TITLE

TYPE C母座16P直立式SMT H=10.4

DWG.NO.

CF116-013-02

DIMENSION STYLE

MM ONLY

DESIGN UNITS

METRIC

SHEET NO.

2 OF 2

SCALE

1:1

DRAWN BY

SAM

DATE

2015.05.10

CHECKED BY

JAY

DATE

2015.05.10

APPROVED BY

JACKY

DATE

2015.05.10

THIRD ANGLE
PROJECTION

frame size: A4