

HSF Compliant

REV.	ECN NO.	DESCRIPTION	DRAW	CHECK	APPD.	DATE
A0	—	新版发行	HL.W	BENDEE	BENDEE	21-12-06

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:

5A for Vbus pin; 1.25A for Vconn and GND pin; 0.25A for all the other pin.

1.5 Voltage: 5 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°.

4.0 Material:

4.1 Housing: LCP Black, UL94-V0.

4.2 Contact: C7025, T=0.12mm

4.3 Mid-plate: SUS301, T=0.15mm

4.4 Shell-in: SUS304 T=0.30mm

4.5 Shell-out: SUS301 T=0.20mm

5.0 Plating specification:

5.1 Contact: Au(see table) plated on contact area,
Gold flash plated on solder area;

Nickel 50u"min underplating over all.

5.2 Shell-out: Nickel 30u"min plating over all.

5.3 Shell-in: Black Nickel 50u"min plating over all.

5.4 Mid-plate: Clean.

R=PACK-R0204

料号备注

CT 3 F 202 M XX R XX XX

53=接触区1U", 焊接区1U"

54=接触区3U", 焊接区1U"

55=接触区5U", 焊接区1U"

56=接触区15U", 焊接区1U"

57=接触区30U", 焊接区1U"

00=LCP黑不锈钢壳镀银

R=ROHS2.0标准

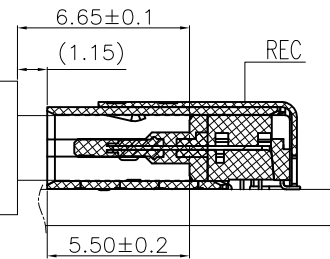
W=无卤+ROHS2.0

B=REACH标准

B=盐雾24H

C=盐雾48H

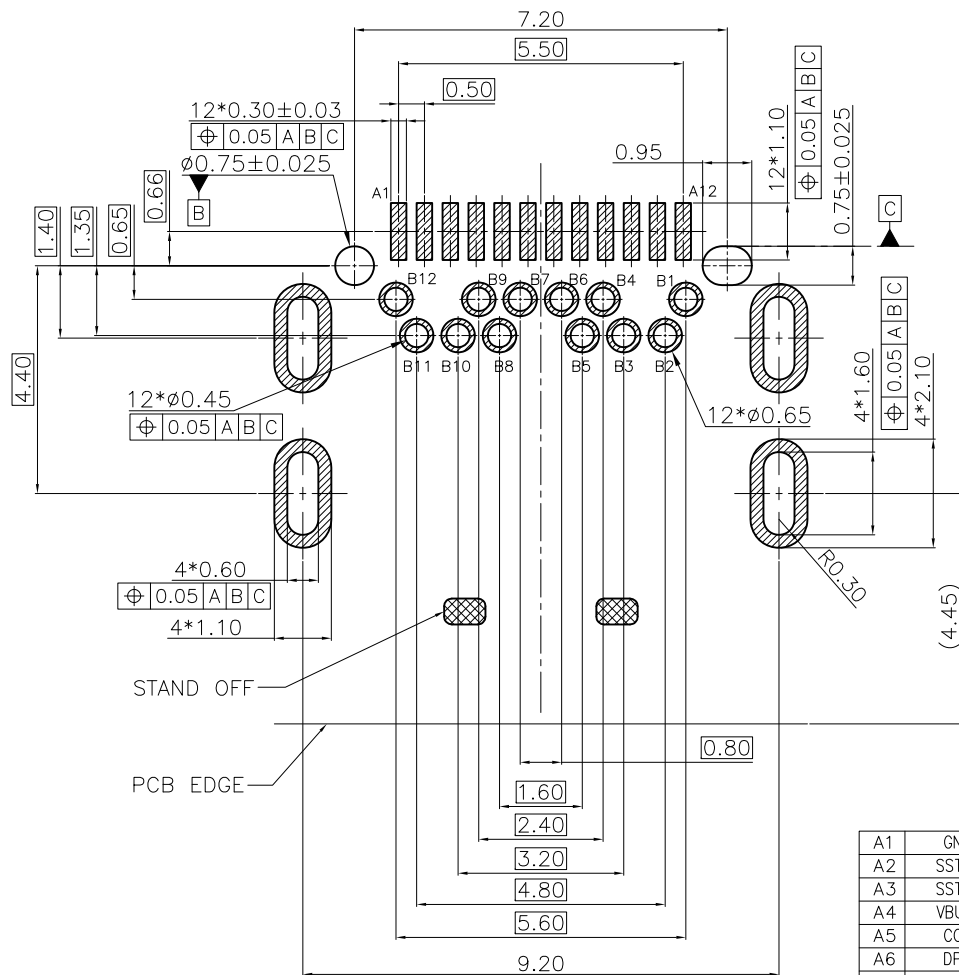
USB TYPE C PLUG



Mating

A (PCB TOP SURFACE)

1.40 (RECOMMENDED)



RECOMMENDED PCB LAYOUT SCALE 2:1

TOLERANCE: ±0.05mm

STAND OFF AREA

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
PIN	SIGNAL NAME	PIN	SIGNAL NAME



东莞市兴科杰鑫电子有限公司
Dong Guan XingKeJieXin Electronics Co., Ltd

UNLESS OTHERWISE SPECIFIED
TOLERANCES

X. +/- METRIC 0.30
.X +/- 0.25
.XX +/- 0.15
FRACTIONS +/-
ANGLES +/- 2.00°

DIMENSIONS

(METRIC) (MM)

APPROVAL

制图 HL.W

审核

核准

文件位置

日期

2021.12.06

品名

规格

料号

字张

工程图号:

A4

比例

1 : 1

状态码

A

页数

2 OF 2

品名

规格

料号

字张

工程图号:

A4

比例

1 : 1

状态码

A

页数

2 OF 2

品名

规格

料号

字张

工程图号:

A4

比例

1 : 1

状态码

A

页数

2 OF 2

品名

规格

料号

字张

工程图号:

A4

比例

1 : 1

状态码

A

页数

2 OF 2

品名

规格

料号

字张

工程图号:

A4

比例

1 : 1

状态码

A

页数

2 OF 2

品名

规格

料号

字张

工程图号:

A4

比例

1 : 1

状态码

A

页数

2 OF 2

USB TYPE C REC SMT+DIP CH1.6mm

SEE TABLE

DWG-CTCF-202

版本.

A0