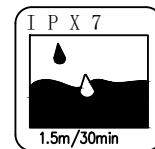




USB TYPE-C FULL-FEATURED RECEPTACLE
INTERFACE PIN ASSIGNMENTS

Pin	Signal Name	Description	Pin	Signal Name	Description
A1	GN1	Ground return	B12	GN2	Ground return
A2	SVTHA	Positive half of first SuperSpeed TX differential pair	B11	SVTHB	Negative half of first SuperSpeed TX differential pair
A3	SVTHB	Negative half of first SuperSpeed TX differential pair	B10	SVTHA	Positive half of first SuperSpeed TX differential pair
A4	SVTHA	Positive half of first SuperSpeed TX differential pair	B9	SVTHB	Negative half of first SuperSpeed TX differential pair
A5	VBUS	Bus Power	B8	VBUS	Bus Power
A6	CC1	Configuration Channel 1	B8	SHB2	Sideband Use (SBU)
A6	Dp1	Negative half of the USB 2.0 differential pair-Position 1	B7	DM2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dm1	Positive half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SHB1	Sideband Use (SBU)	B5	CC2	Configuration Channel 2
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SVTHB	Negative half of second SuperSpeed TX differential pair	B3	SVTHA	Negative half of second SuperSpeed TX differential pair
A11	SVTHA	Positive half of second SuperSpeed TX differential pair	B2	SVTHB	Positive half of second SuperSpeed TX differential pair
A12	GN2	Ground return	B1	GN1	Ground return



备注:

1. 材质:

- 1.1 塑胶: PA10T UL94V-0; 颜色: 黑色
- 1.2 端子: C18400
- 1.3 外壳: SUS304
- 1.4 内壳: SUS316L
- 1.5 中夹片: SUS301
- 1.6 EMI: SUS316L
- 1.7 防水圈: 液态硅胶成型 黑色
胶水: 黑色环氧胶

2. 电镀:

- 2.1 端子: 接触区镀金3u" Min; 焊接区镀锡50u"Min;
整体镀镍20u"Min.
- 2.2 外壳: 镀镍20u" Min.
- 2.3 内壳/中夹片/EMI: 清洗.
3. 电气性能:
 - 3.1 额定电流: VBUS and GND pin 5A;
其他接触端子 0.25A
 - 3.2 额定电压: 20V
 - 3.3 接触阻抗: 40mΩ Max. 测试后 50mΩ Max.
 - 3.4 绝缘阻抗: 100MΩ Min.
 - 3.5 耐压: 100V AC R.M.S

4. 机械性能:

- 4.1 插入力: 5-20N
拔出: 8-20N 测试后6-20N
- 4.2 寿命: 10000次.

5. 环境性能:

- 5.1 工作温度: 温度-40° C~+85° C;
湿度 80% R.H MAX
- 5.2 盐雾: 24H(端子接触区)

6. 焊锡: 245±5° C, 5±0.5s

7. IR 炉: 220℃的回流焊60S Min,

且保持260±0/-5℃ 10S Min
8. 拆除真空包装后, 需要在8小时内完成贴片。

MILLIMETERS INCH

X.° ±2°	X.° ±2°
.X ±0.30	.X ±0.012
.XX ±0.20	.XX ±0.008
.XXX ±0.10	.XXX ±0.004

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a vital connector company

FOR YOUR
VITAL CONNECTION

TITLE:

USB TYPE C 24 PIN 立贴防水母座
H=7.50mm 带盖

DRAWN BY: Zou Long

PART NO: UC1512552E1

SHEET: 1 OF 3 REV: A0

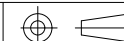
CHECKED BY: Bob

DWG NO: VTC-TZ-00219

SIZE: A4 UNIT:mm FCN: E1

APPROVED BY: QPF

PROJECTION:

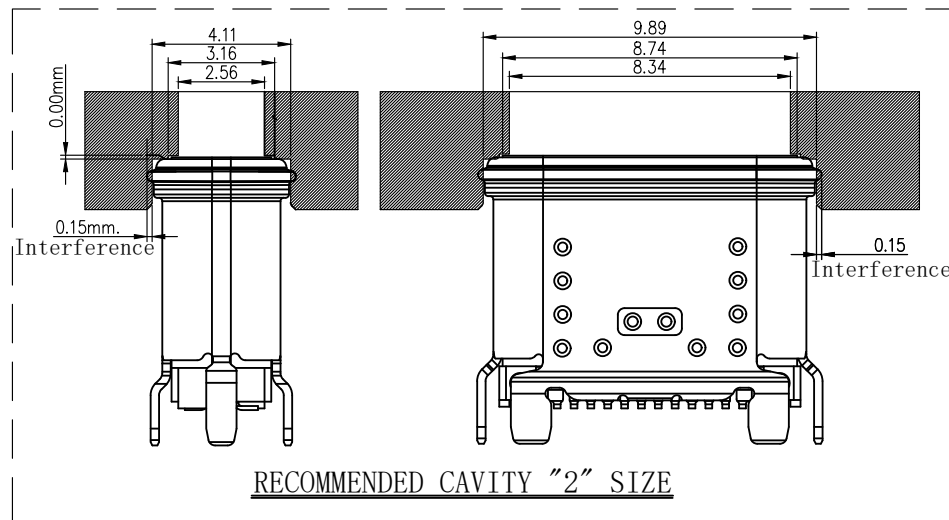
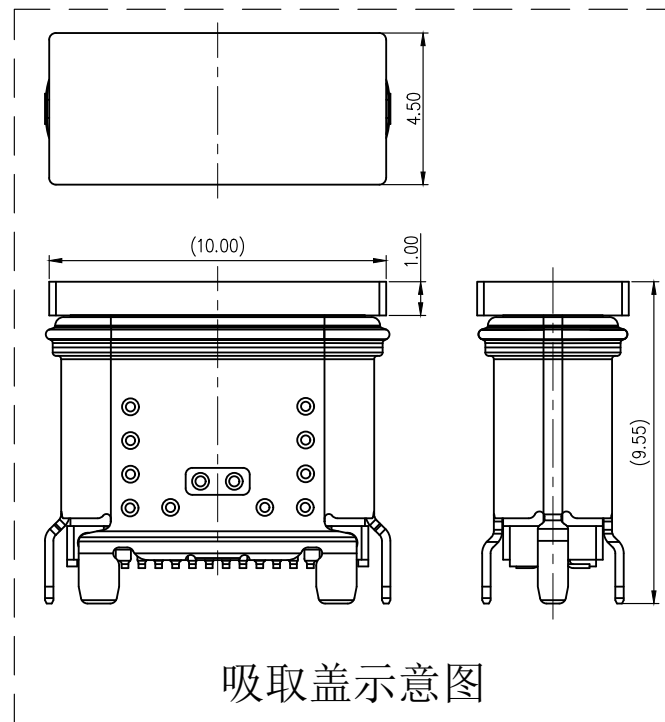
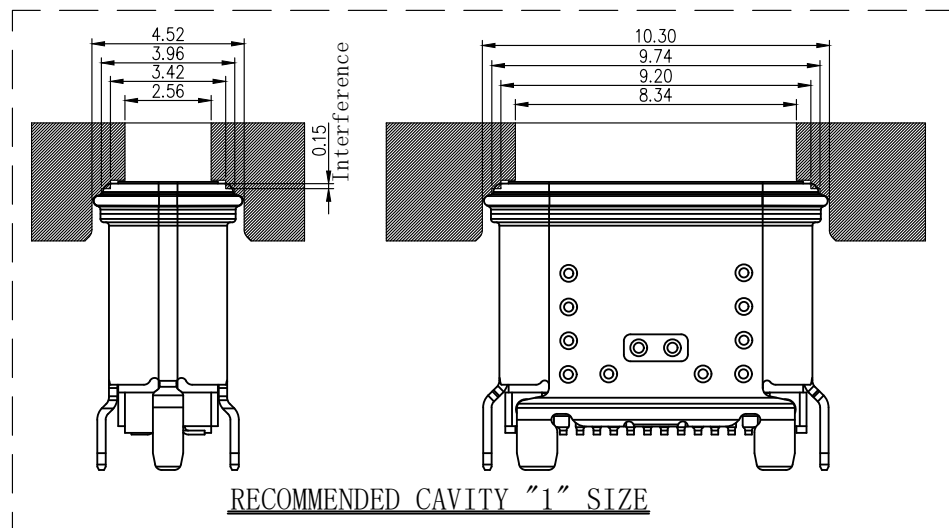


http://www.vitalconn.com

For technical support, please send an email to support@vitalconn.com



REV:	ECN. NO.	NAME	DATE
A0	-----	-----	08-06-2026



吸取盖示意图

MILLIMETERS	INCH
X.° ±2°	X.° ±2°
.X ±0.30	.X ±0.012
.XX ±0.20	.XX ±0.008
.XXX ±0.10	.XXX ±0.004



FOR YOUR
VITAL CONNECTION

TITLE:

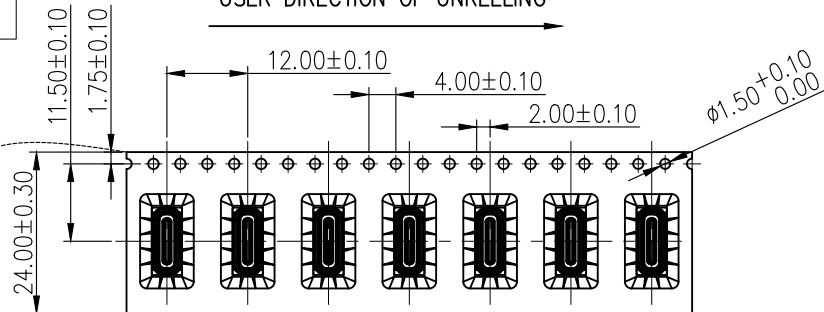
USB TYPE C 24 PIN 立贴防水母座
H=7.50mm 带盖

DRAWN BY:	Zou Long	PART NO:	UC1512552E1	SHEET:	2 OF 3	REV:	A0
CHECKED BY:	Bob	DWG NO:	VTC-TZ-00219	SIZE:	A4	UNIT:	mm
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com			

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USER DIRECTION OF UNREELING

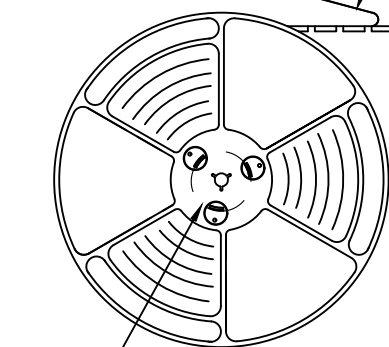


COVER TAPE PEELING ANGLE: 165°~180°

PEELING FORCE: 20~130g

CARRIER TAPE

USER DIRECTION OF UNREELING

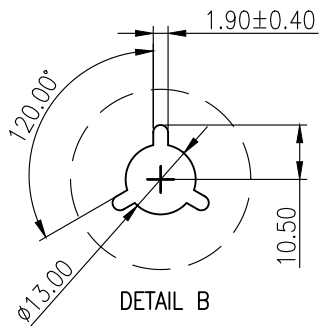
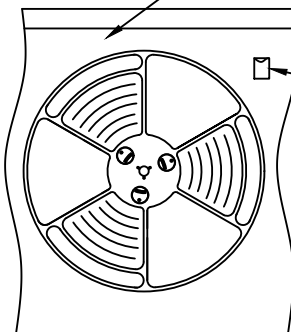


DETAIL B

真空PE袋

10-REEL

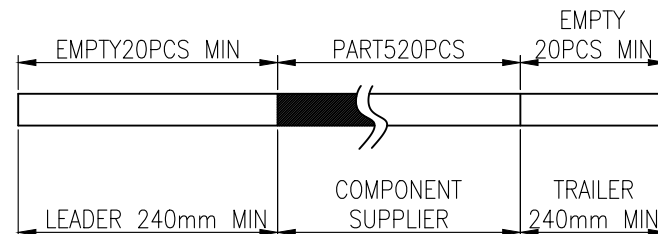
干燥剂



NOTES

1. NUMBER OF CONNECTORS: 520PCS/REEL

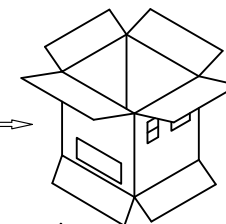
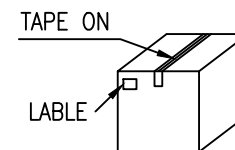
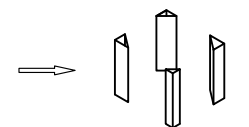
2. LEAD TAPE LENGTH



3. QUANTITY: 5200PCS/CARTON

CARTON
340*350*360 K=K

4-TRIANGLE PARTITION



MILLIMETERS

INCH

X.° ±2°	X.° ±2°
.X ±0.30	.X ±0.012
.XX ±0.20	.XX ±0.008
.XXX ±0.10	.XXX ±0.004

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TITLE:

USB TYPE C 24 PIN 立贴防水母座
H=7.50mm 带盖

DRAWN BY:

Zou Long

PART NO:

UC1512552E1

SHEET:

3 OF 3

REV: A0

CHECKED BY:

Bob

DWG NO:

VTC-TZ-00219

SIZE: A4

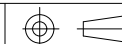
UNIT: mm

FCN: E1

APPROVED BY:

QPF

PROJECTION:



<http://www.vitalconn.com>

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