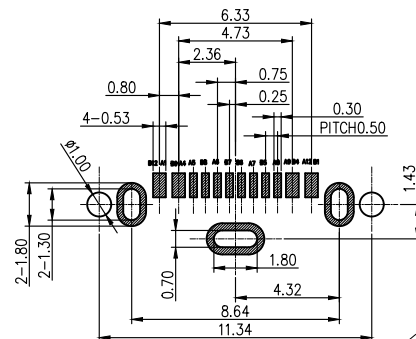
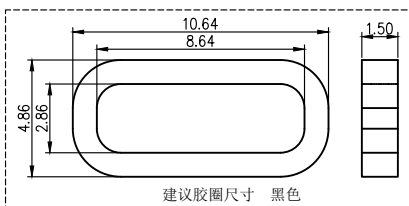
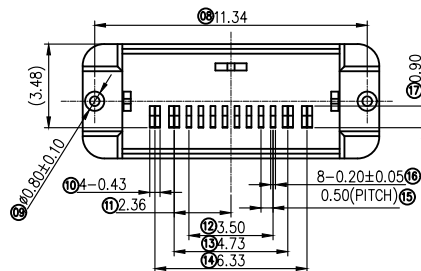
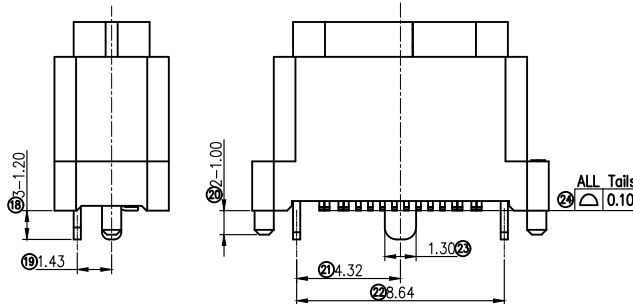
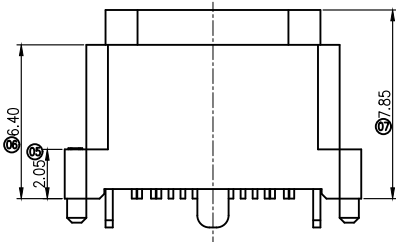
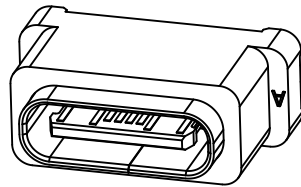
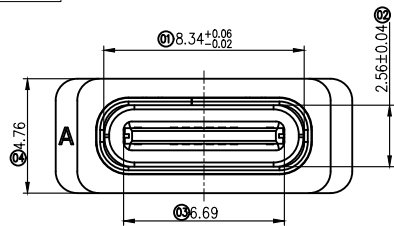




REV:	ECN. NO.	NAME	DATE
A1	-----	Update drawing	07-21-2026



RECOMMENDED PCB LAYOUT(TOP VIEW)
(GENERAL TOLERANCE±0.05) T=1.0mm

NOTES:

1. MATERIAL:

- 1.1 HOUSING: PA10T UL94V-0; COLOR: BLACK
- 1.2 CAP: LCP UL94V-0; COLOR: BLACK
- 1.3 CONTACT: C7025
- 1.4 SHELL: SUS304
- 1.5 MID PLATE: SUS301
- 1.6 WATERPROOF RING: HCR 9150 UE

2. FINISH:

- 2.1 TERMINAL: 1u" Au PLATED ON CONTACT AREA;
G/F PLATED ON SOLDER AREA;
Ni 30u" MIN. UNDERPLATED OVERALL
- 2.2 SHELL: Ni 50u" MIN. PLATED OVERALL
- 2.3 MID PLATE: CLEANING

3. ELECTRICAL SPECIFICATION:

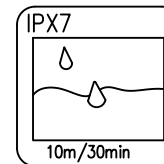
- 3.1 RATED CURRENT: VBUS PIN AND GND PIN 5A;
Other pin 0.25A
- 3.3 CONTACT RESISTANCE: 40mΩ MAX(INITIAL). 50mΩ MAX (AFTER).
- 3.4 INSULATION RESISTANCE: 100MΩ MIN.
- 3.5 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.

4. MACHINERY SPECIFICATION:

- 4.1 MATING FORCE: 5N~20N.
UNMATING FORCE: 8N~20N. (AFTER TEST: 6N~20N).
- 4.2 DURABILITY: 10000 CYCLES MIN.

5. ENVIRONMENTAL SPECIFICATION

- 5.1 OPERATING CONDITION: TEMPERATURE -40°C~+85°C;
HUMIDITY 80% R.H MAX
- 5.2 SALT SPRAY: 24H
6. SOLDER ABILITY: 245±5°C, 5±0.5s
7. IR REFLOW: THE PEAK TEMPERATURE ON THE BOARD SHALL BE
MAINTAINED FOR 10 SECONDS AT 260°C.
8. WATER PROOFNESS: THIS PRODUCT IS BASED ON IPX7.



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
PIN	SIGNAL NAME	PIN	SIGNAL NAME

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:

TYPE C 16PIN 立式SMT防水母座 高H=5.75MM
IPX6级

DRAWN BY: Zou Long

PART NO: UC315862E1

SHEET: 1 OF 3

REV: A1

CHECKED BY: Bob

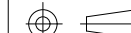
DWG NO: D-UC315862E1

SIZE: A4

UNIT:mm FCN: E1

APPROVED BY: QPF

PROJECTION:



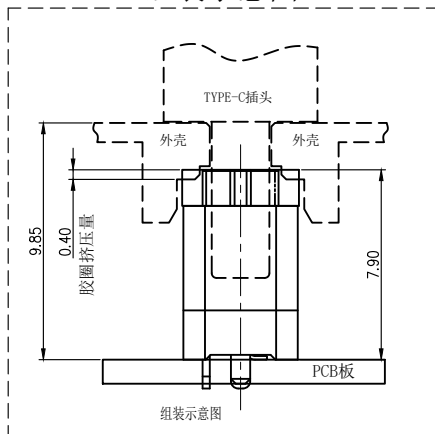
<http://www.vitalconn.com>

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



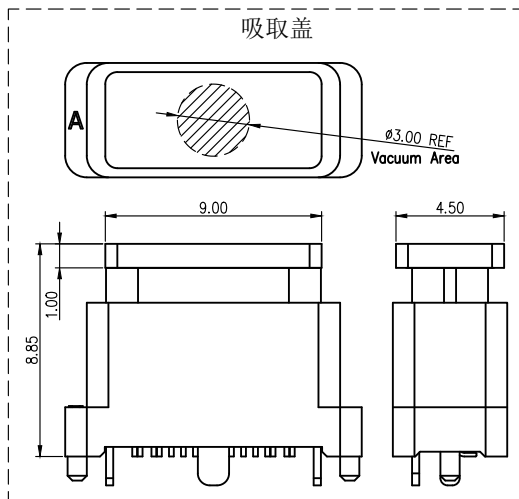
REV:	ECN. NO.	NAME	DATE
A1	-----	Update drawing	07-21-2026

组装示意图

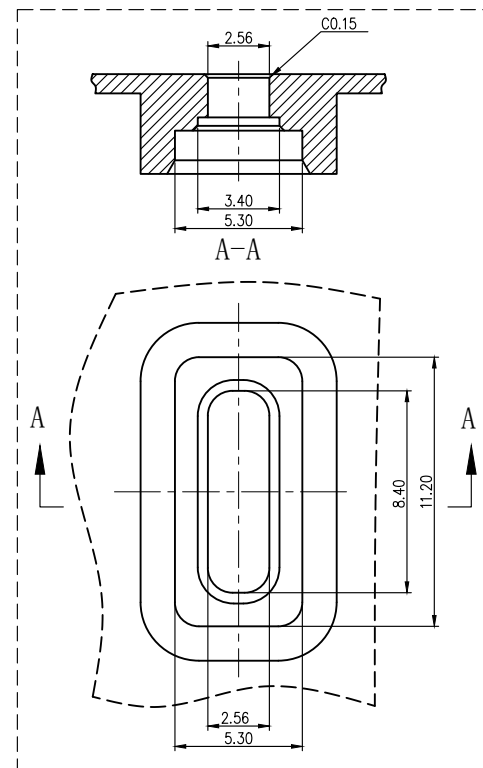


结构设计注意:
1. 成品使用时, 如有洗面奶泡沫、牙膏、洗手液、脏污液体, 请在TYPE-C口外面再设计一层外壳, 保护TYPE-C表面金手指不会被脏污覆盖。

吸取盖



外壳参考设计图



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:

TYPE C 16PIN立式SMT防水母座 高H=5.75MM
IPX6级

DRAWN BY: Zou Long

PART NO: UC315862E1

SHEET: 2 OF 3 REV: A1

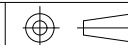
CHECKED BY: Bob

DWG NO: D-UC315862E1

SIZE: A4 UNIT:mm FCN: E1

APPROVED BY: QPF

PROJECTION:



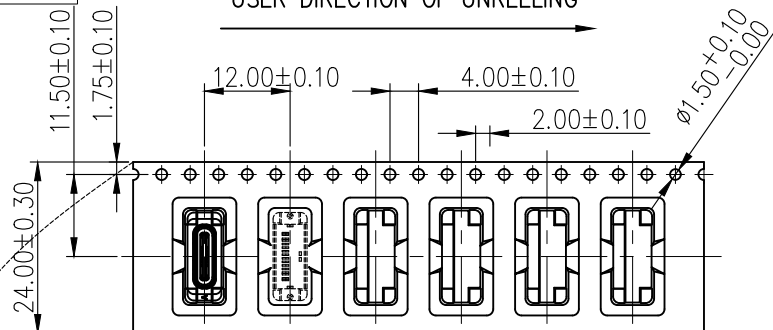
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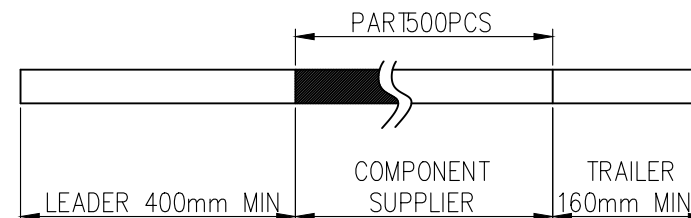
REV:	ECN. NO.	NAME	DATE
A1	-----	Update drawing	07-21-2026

USER DIRECTION OF UNREELING



NOTES

1. NUMBER OF CONNECTORS: 500PCS/REEL
2. LEAD TAPE LENGTH



3. QUANTITY: 5000PCS/CARTON

COVER TAPE PEELING ANGLE: 165°~180°

PEELING FORCE: 20~130g

CARRIER TAPE

USER DIRECTION OF UNREELING

10-REEL

4-TRIANGLE PARTITION

CARTON
350*350*330

TAPE ON

LABLE

DETAIL B

DETAIL B

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

VITALCON
a vital connector company

FOR YOUR
VITAL CONNECTION

TITLE:

TYPE C 16PIN 立式 SMT 防水母座 高H=5.75MM
IPX6级

DRAWN BY:

Zou Long

PART NO:

UC315862E1

SHEET:

3 OF 3

REV: A1

CHECKED BY:

Bob

DWG NO:

D-UC315862E1

SIZE: A4

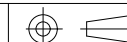
UNIT: mm

FCN: E1

APPROVED BY:

QPF

PROJECTION:



<http://www.vitalconn.com>

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