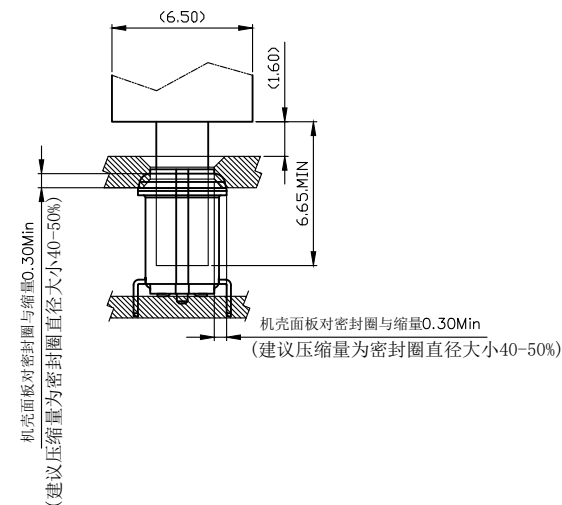
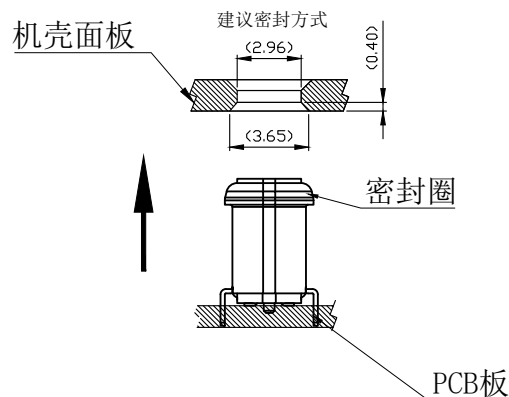
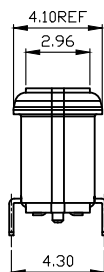
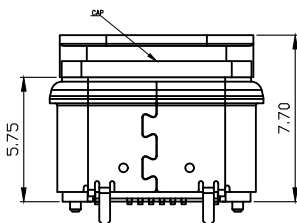
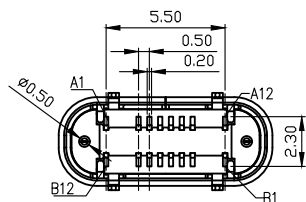
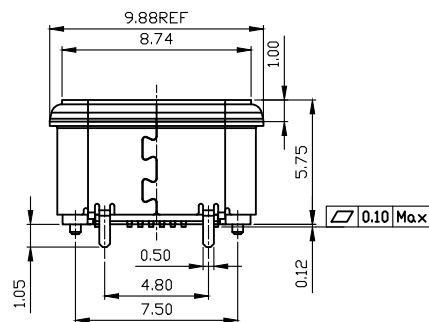
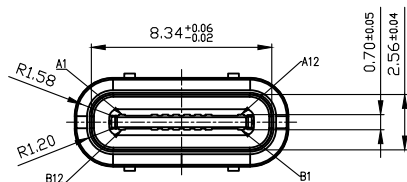




REV:	ECN. NO.	NAME	DATE
A1	-----	Update drawing	07-21-2026



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: UC319312E1

SHEET: 1 OF 3

REV: A1

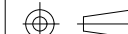
CHECKED BY: Bob

DWG NO: D-UC319312E1

SIZE: A4 UNIT:mm FCN: E1

APPROVED BY: QPF

PROJECTION:

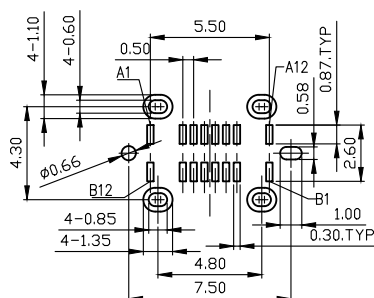
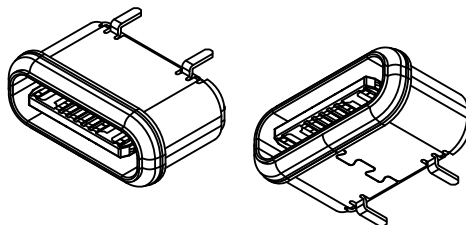


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REV:	ECN. NO.	NAME	DATE
A1	-----	Update drawing	07-21-2026



RECOMMENDED PCB LAYOUT
TOLERANCE=±0.05 T=1.0

A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBUS2
A6	D+	B7	D-
A7	D-	B6	D+
A8	SBUS1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME

NOTES:

- MATERIAL:
 - HOUSING: LCP ; COLOR: BLACK
 - INSULATION JACKET: PA46,Black,UL94V-0
 - CONTACT: C7025
 - MID PLATE: SUS301
 - SHELL: SUS304
 - O-RING: ACRYLATE
- FINISH:
 - TERMINAL: G/F PLATED ON CONTACT AREA;
G/F PLATED ON SOLDER AREA;
Ni 50u" MIN. UNDERPLATED OVERALL
 - SHELL: Ni 30u" MIN. PLATED OVERALL
 - Mid-Plate: CLEAR ONLY
- ELECTRICAL SPECIFICATION:
 - CURRENT RATING: 5A For Pin(A4,A9,B4,B9)
0.25A For Others Pin
 - CONTACT RESISTANCE: 50mΩ MAX.
 - INSULATION RESISTANCE: 100MΩ MIN
 - DIELECTRIC WITHSTANDING VOLTAGE: 100V AC
- MACHINERY SPECIFICATION:
 - MATING FORCE: 5-20N
UNMATING FORCE: 8-20N AFTER THE TEST 6-20N
 - DURABILITY: 10000 CYCLES MIN.
- ENVIRONMENTAL SPECIFICATION
 - OPERATING CONDITION: TEMPERATURE-30°C~+85°C;
HUMIDITY 80% R.H MAX
 - SALT SPRAY: 24H
- SOLDER ABILITY: 245±5°C, 5±0.5s
- IR REFLOW: THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

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:

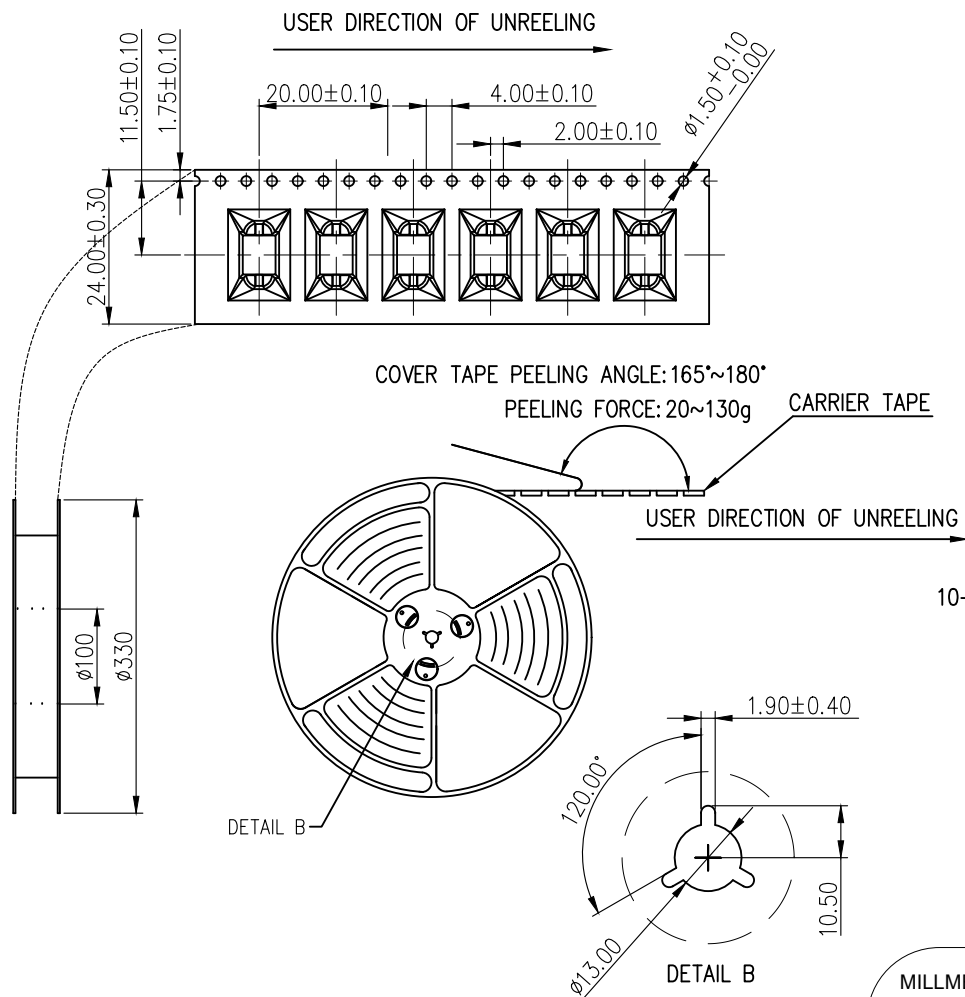
TYPE C 16PIN 立式SMT防水母座 高H=5.75MM
IPX6级

DRAWN BY:	Zou Long	PART NO:	UC319312E1	SHEET:	2 OF 3	REV: A1
CHECKED BY:	Bob	DWG NO:	D-UC319312E1	SIZE: A4	UNIT:mm	FCN: E1
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com		

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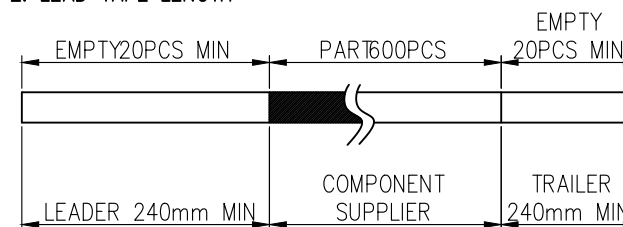


REV:	ECN. NO.	NAME	DATE
A1	----	Update drawing	07-21-2026

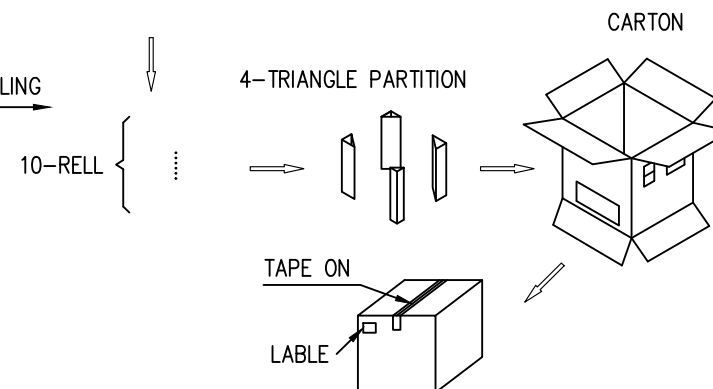


NOTES

1. NUMBER OF CONNECTORS: 600PCS/REEL
2. LEAD TAPE LENGTH



3. QUANTITY: 6000PCS/CARTON



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: UC319312E1

SHEET: 3 OF 3 REV: A1

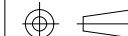
CHECKED BY: Bob

DWG NO: D-UC319312E1

SIZE: A4 UNIT:mm FCN: E1

APPROVED BY: QPF

PROJECTION:



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