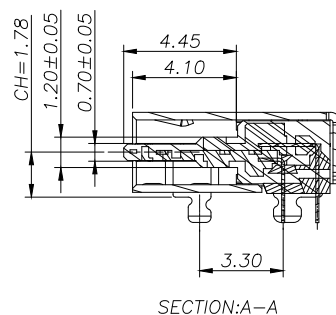
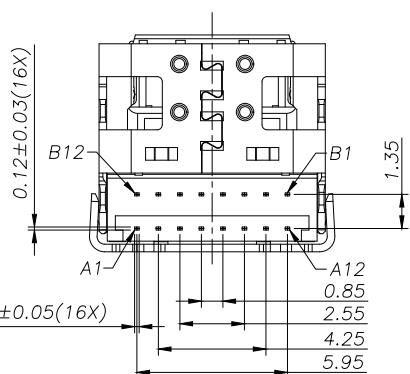
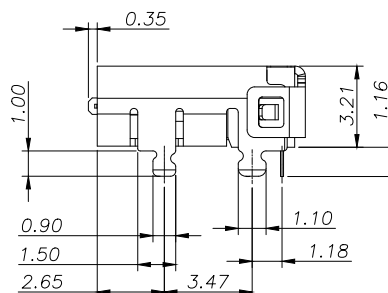
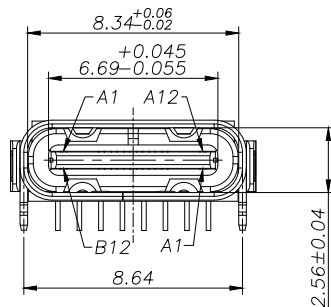
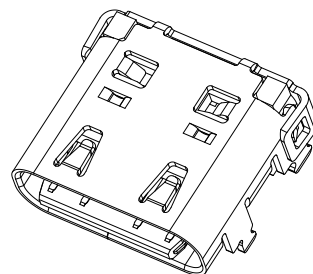
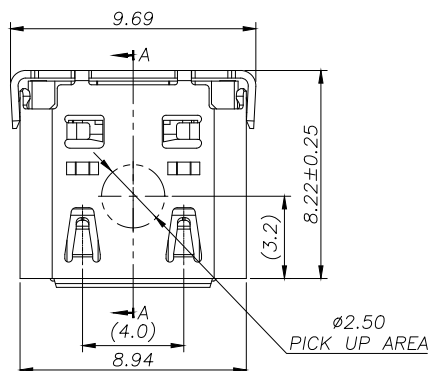




REV:	ECN. NO.	NAME	DATE
A1	-----	Update drawing	08-10-2026



NOTE:

1.MATERIAL SPECIFICATION:

1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.(PA9T,BLACK)

2.CONTACTS: COPPER ALLOY(C18150)

3.MID PLATE: STAINLESS STEEL(SUS301)

4.FRONT SHELL: STAINLESS STEEL(SUS304)

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

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. CURRENT RATING:5.0A

VOLTAGE RATING:20V

4-2. LLCR:

VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN 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.

TOLERANCE(公差):

X.X ± 0.30 X.° ± 0.10°

.XX ± 0.20 X.° ± 0.8°

.XXX ± 0.10 X.° ± 0.5°

VITALCON

a vital connector company

FOR YOUR

VITAL CONNECTION

TITLE: USB CF 16PIN DOUBLE ROW DIP TERMINAL

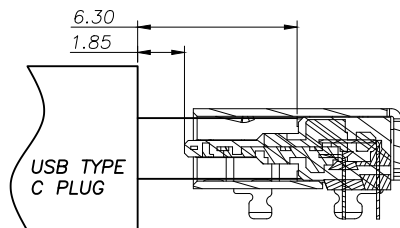
DRAWN BY:	Zou Long	PART NO:	UC-101532-22103-F9	SHEET:	1 OF 3	REV:	A1
CHECKED BY:	Bob	DWG NO:	CUC-101532-22103-F9	SIZE:	A4	UNIT:	mm
APPROVED BY:	QPF	PROJECTION:					

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<http://www.vitalconn.com>



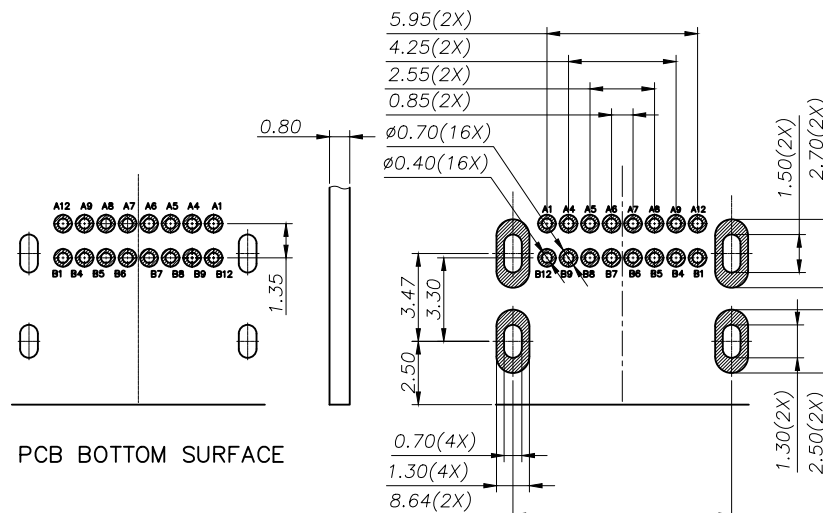
REV:	ECN. NO.	NAME	DATE
A1	-----	Update drawing	08-10-2026



AFTER MATING

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



PCB BOTTOM SURFACE

RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 1.00MM;DEFAULT TOLERANCE:±0.05

ORDER INFORMATION

P/N: UC-101532-22103-F9

CONTACT FUNCTIONAL AREA PLATED

01: Au 1u"
03: Au 3u"
15: Au 15u"
30: Au 30u"

CONTACT SOLDER AREA PLATED

1: Au 1u"

TOLERANCE(公差):
X.X ± 0.30 X.° ± 0.10°
.XX ± 0.20 X.° ± 0.8°
.XXX ± 0.10 X.° ± 0.5°



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VITAL CONNECTION

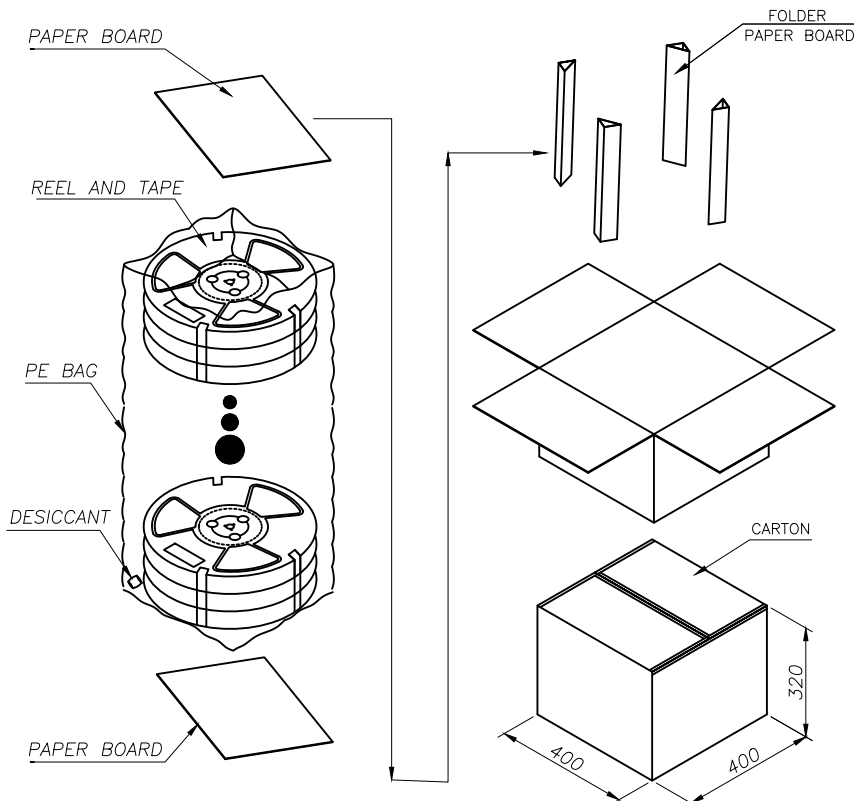
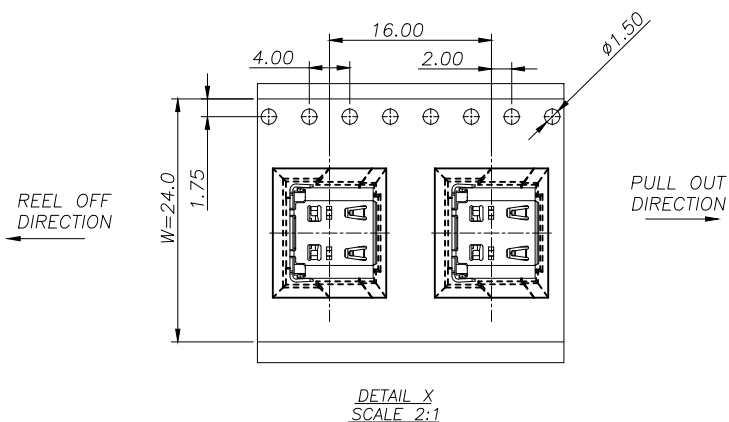
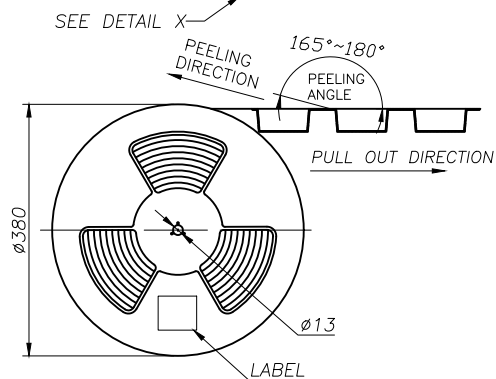
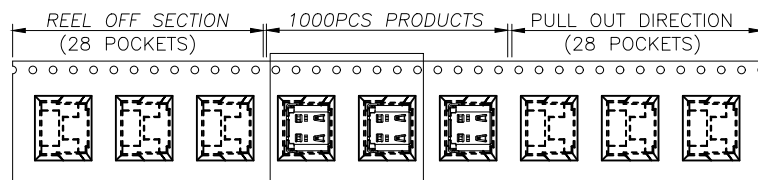
TITLE: USB CF 16PIN DOUBLE ROW DIP TERMINAL

DRAWN BY:	Zou Long	PART NO:	UC-101532-22103-F9	SHEET:	2 OF 3	REV:	A1
CHECKED BY:	Bob	DWG NO:	CUC-101532-22103-F9	SIZE:	A4	UNIT:	mm
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com			

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REV:	ECN. NO.	NAME	DATE
A1	-----	Update drawing	08-10-2026



	REEL/TRAY	CARTON
CONNECTOR (PCS)	1000	10000

TOLERANCE(公差):
X.X ± 0.30 X.° ± 0.10°
.XX ± 0.20 X.° ± 0.8°
.XXX ± 0.10 X.° ± 0.5°

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VITAL CONNECTION

TITLE: USB CF 16PIN DOUBLE ROW DIP TERMINAL

DRAWN BY:	Zou Long	PART NO:	UC-101532-22103-F9	SHEET:	3 OF 3	REV:	A1
CHECKED BY:	Bob	DWG NO:	CUC-101532-22103-F9	SIZE:	A4	UNIT:	mm
APPROVED BY:	QPF	PROJECTION:			http://www.vitalconn.com		

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