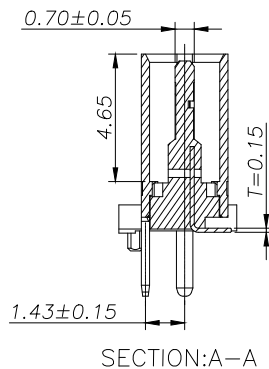
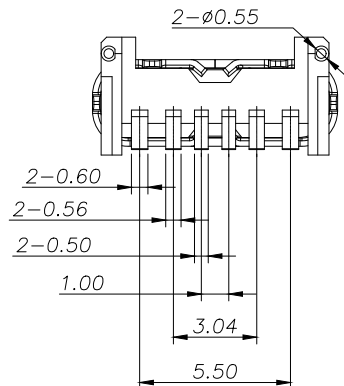
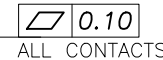
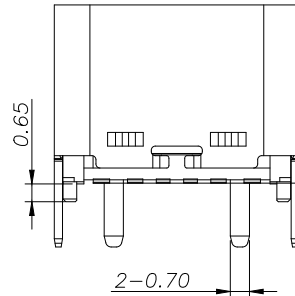
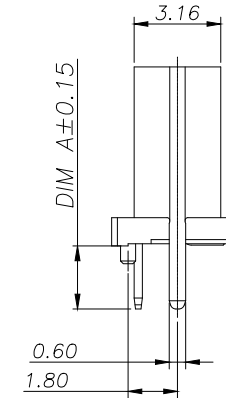
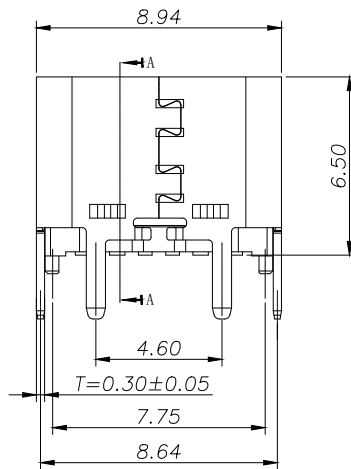
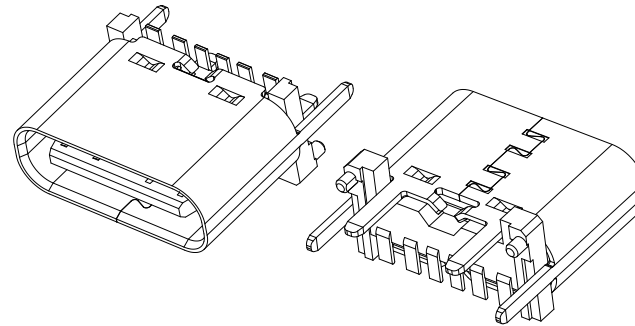
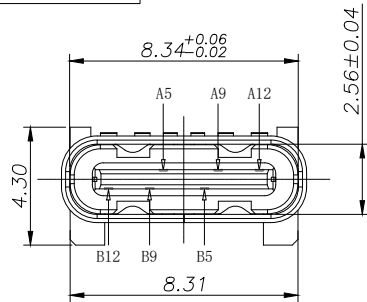




REV:	ECN. NO.	NAME	DATE
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NOTE:

1.MATERIAL SPECIFICATION:

1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.

2.TERMINAL: COPPER ALLOY

3.MID PLATE: STAINLESS STEEL

4.FRONT SHELL: STAINLESS STEEL

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:

PLATING SPECIFICATIONS FOLLOW THE P/N

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. VOLTAGE RATING:20 V DC/AC (RMS. max)

CURRENT RATING: 3AMPS MIN

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

X.X	±0.30	X.°	±10°
.XX	±0.20	.X°	± 8°
.XXX	±0.10	.XX°	± 5°



FOR YOUR
VITAL CONNECTION

TITLE: USB TYPE C 6PIN FEMALE H6.5mm SMT TYPE

DRAWN BY: Zou Long PART NO: UC31-1E1H1A103-0HR-30 SHEET: 1 OF 3 REV: A0

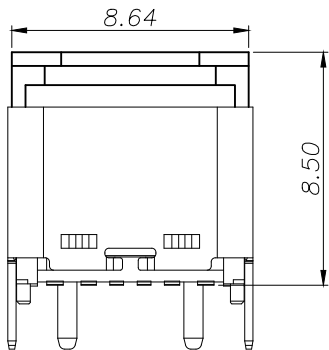
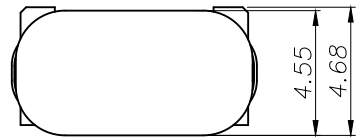
CHECKED BY: Bob DWG NO: VTC-TZ-00218 SIZE: A4 UNIT:mm FCN: F9

APPROVED BY: QPF PROJECTION: http://www.vitalconn.com

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



REV:	ECN. NO.	NAME	DATE
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WITH COVER SCHEMATIC

ORDER INFORMTION

P/N: UC31-1E1H1A103-0HR-30

HOUSING MATERIAL
E: PA9T

HOUSING COLOR
1: BLACK

SHELL MATERIAL
H:SUS304

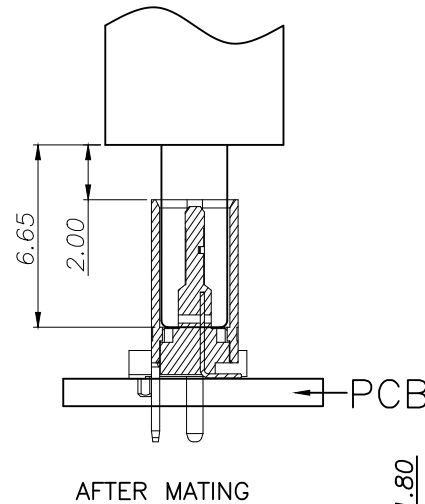
SHELL PLATING
1: Ni

0: DIM*A*=0.70
1: DIM*A*=1.70
2: DIM*A*=2.30

CONTACT FUNCTIONAL AREA PLATED
03: Au 3u"

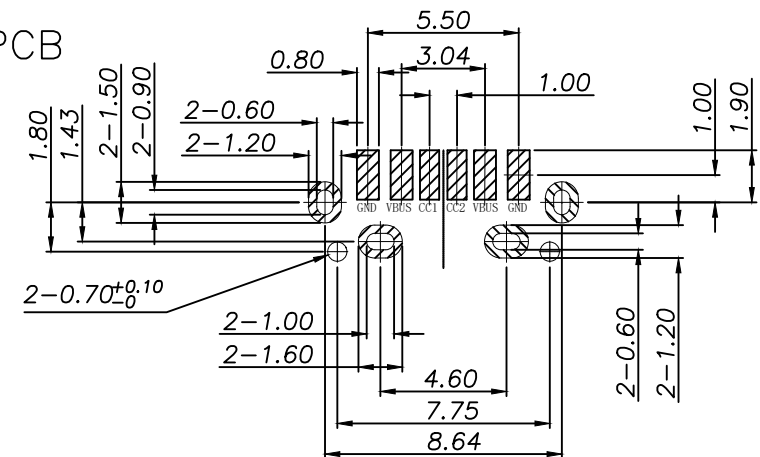
CONTACT SOLDER AREA PLATED
1: Au 1u"

CONTACT MATERIAL
A: C18150



PIN ASSIGNMENTS

A5	CC1	B12	GND
A9	VBUS	B9	VBUS
A12	GND	B5	CC2
PIN	SIGNAL NAME	PIN	SIGNAL NAME



RECOMMENDED PCB LAYOUT
THICKNESS ;DEFAULT TOLERANCE:±0.05

TOLERANCE

X.X	±0.30	X.°	±10°
.XX	±0.20	.X°	±8°
.XXX	±0.10	.XX°	±5°



FOR YOUR
VITAL CONNECTION

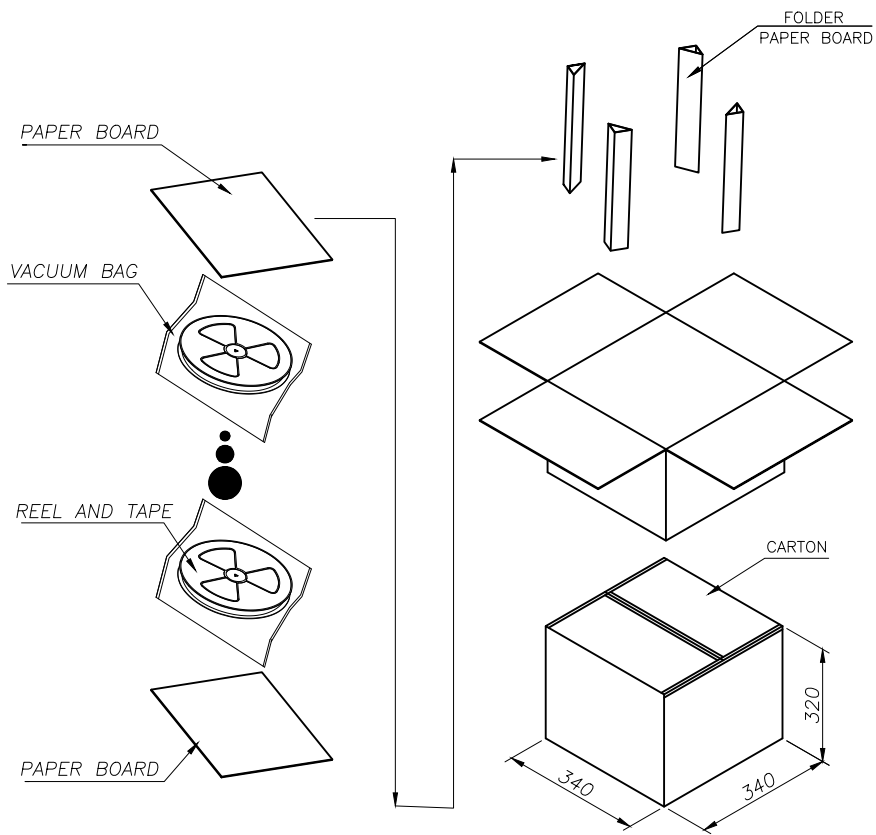
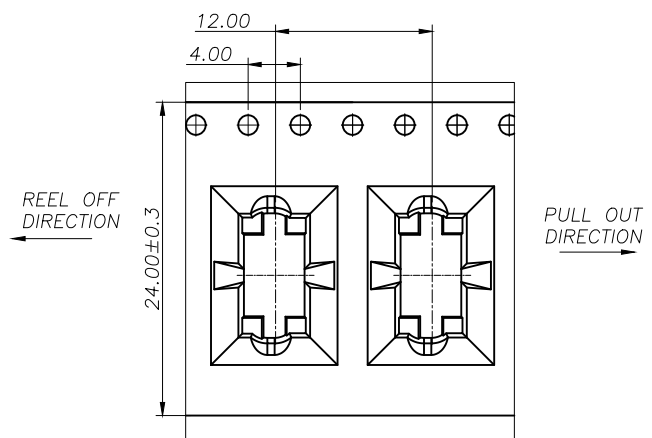
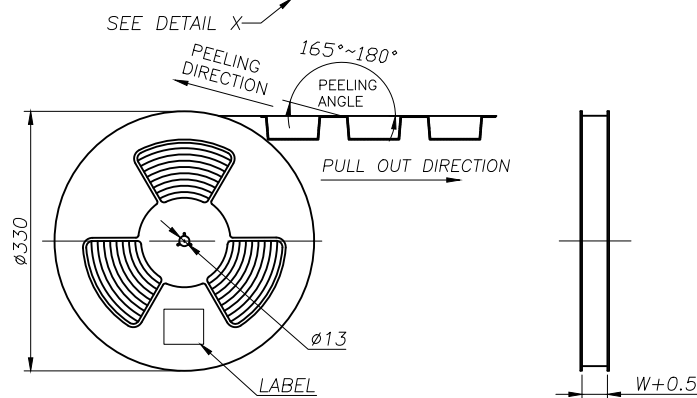
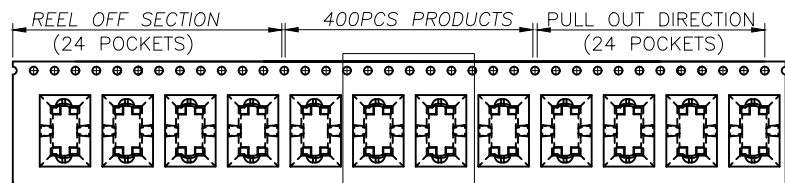
TITLE: USB TYPE C 6PIN FEMALE H6.5mm SMT TYPE

DRAWN BY:	Zou Long	PART NO:	UC31-1E1H1A103-0HR-30	SHEET:	2 OF 3	REV:	A0
CHECKED BY:	Bob	DWG NO:	VTC-TZ-00218	SIZE:	A4	UNIT:	mm
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com			

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



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	REEL/TRAY	CARTON
CONNECTOR (PCS)	400	4000

TOLERANCE		VITALCONN		FOR YOUR VITAL CONNECTION		
X.X	±0.30	X.°	±10°	TITLE: USB TYPE C 6PIN FEMALE H6.5mm SMT TYPE		
.XX	±0.20	.X°	± 8°			
.XXX	±0.10	.XX°	± 5°			
DRAWN BY:	Zou Long	PART NO:	UC31-1E1H1A103-0HR-30	SHEET:	3 OF 3	REV: A0
CHECKED BY:	Bob	DWG NO:	VTC-TZ-00218	SIZE: A4	UNIT:mm	FCN: F9
APPROVED BY:	QPF	PROJECTION:			http://www.vitalconn.com	

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