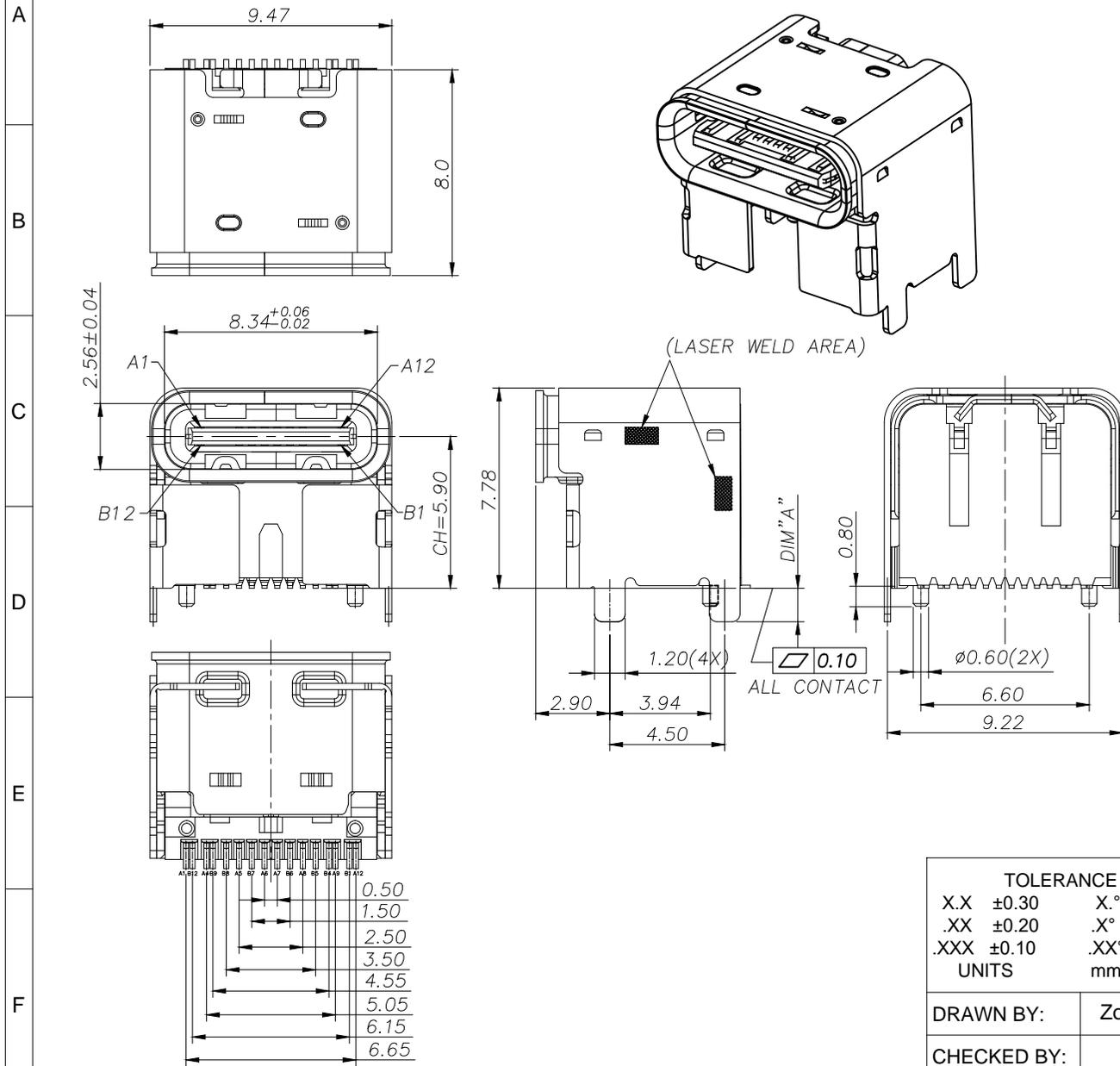




REV:	ECN. NO.	NAME	DATE



**NOTE:**

**1.MATERIAL SPECIFICATION:**

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 2.TERMINAL:COPPER ALLOY (C1815)
- 3.MID PLATE: STAINLESS STEEL (SUS301)
- 4.FRONT SHELL: STAINLESS STEEL (SUS304)
- 5.TOP SHELL: STAINLESS STEEL (SUS304)

**2.PLATING SPECIFICATION:**

- 2-1.CONTACTS:  
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&TOP 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. VOLTAGE RATING:5 V DC/AC (RMS. max)  
CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;  
1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.
- 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:**

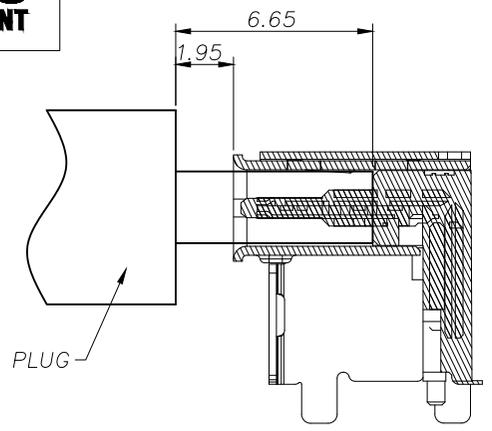
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

For technical support, please send an email to [support@vitalconn.com](mailto:support@vitalconn.com)

<b>TOLERANCE</b> X.X ±0.30 X.° ±10° .XX ±0.20 X.° ±8° .XXX ±0.10 .XX° ±5° UNITS mm		 <b>VITALCON</b> a vital connector company		FOR YOUR VITAL CONNECTION	
DRAWN BY: Zou Long		TITLE: USB CF 16PIN SMT CH=5.9		PART NO: UC22-1E1H1A103-0HR-01	
CHECKED BY: Bob		SIZE: A4		UNIT:mm	
APPROVED BY: QPF		PROJECTION		SHEET:1 OF 3	
				FCN: F9	
				http://www.vitalconn.com	



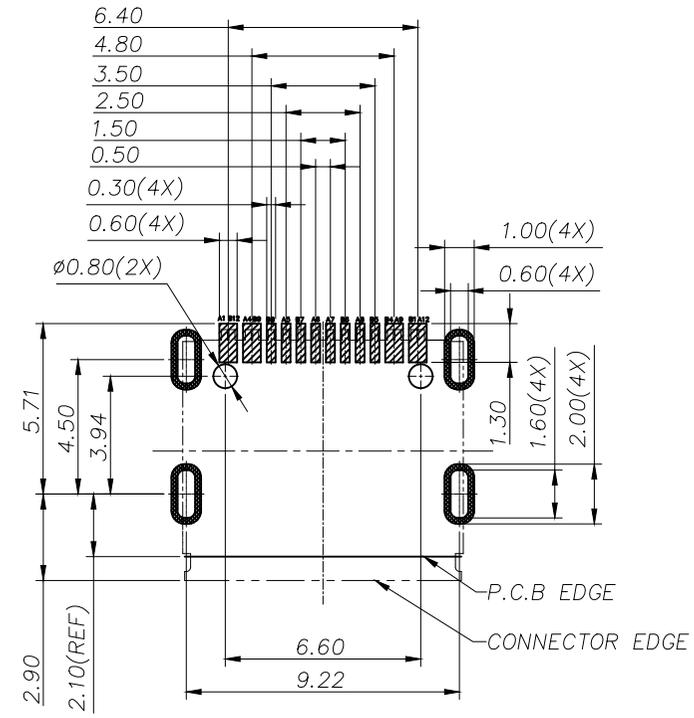
REV:	ECN. NO.	NAME	DATE



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



RECOMMENDED PCB LAYOUT(TOP VIEW)

ORDER INFORMATION

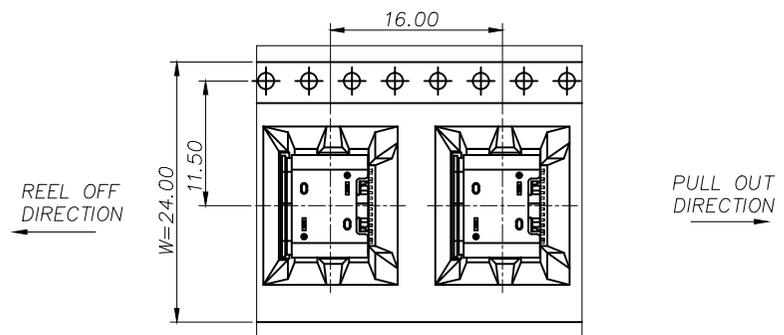
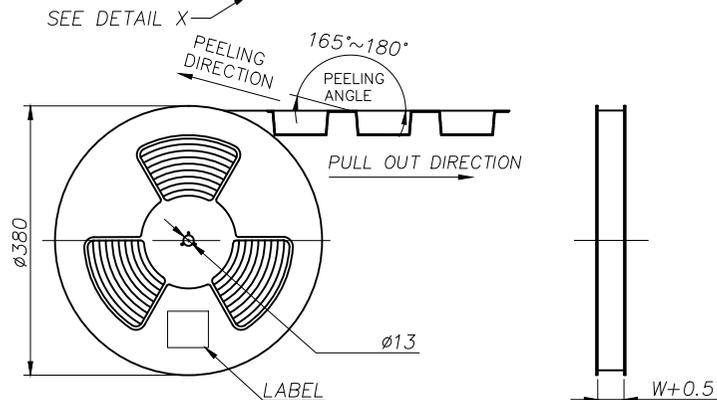
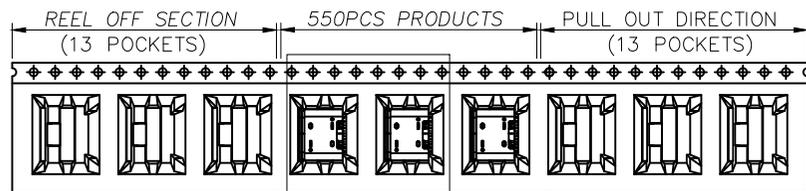
P/N: UC22-1E1H1A103-0HR-01	
HOUSING MATERIAL	H: HF
A: LCP	DIM"A"
E: PA9T	0: 1.33
HOUSING COLOR	1: 0.91
1: BLACK	CONTACT FUNCTIONAL AREA PLATED
5: NATURE	03: Au 3u"
SHELL PLATING	15: Au 15u"
1: Ni	30: Au 30u"
CONTACT MATERIAL	CONTACT SOLDER AREA PLATED
A: C1815	1: Au 1u"

TOLERANCE		 a vital connector company	FOR YOUR VITAL CONNECTION	
X.X ±0.30	X.° ±10°		TITLE: USB CF 16PIN SMT CH=5.9	
.XX ±0.20	.X° ±8°	DRAWN BY: Zou Long	PART NO: UC22-1E1H1A103-0HR-01	REV: A
.XXX ±0.10	.XX° ±5°	CHECKED BY: Bob	SIZE: A4	UNIT:mm
UNITS	mm	APPROVED BY: QPF	PROJECTION	SHEET:2 OF 3
				FCN: F9
				http://www.vitalconn.com

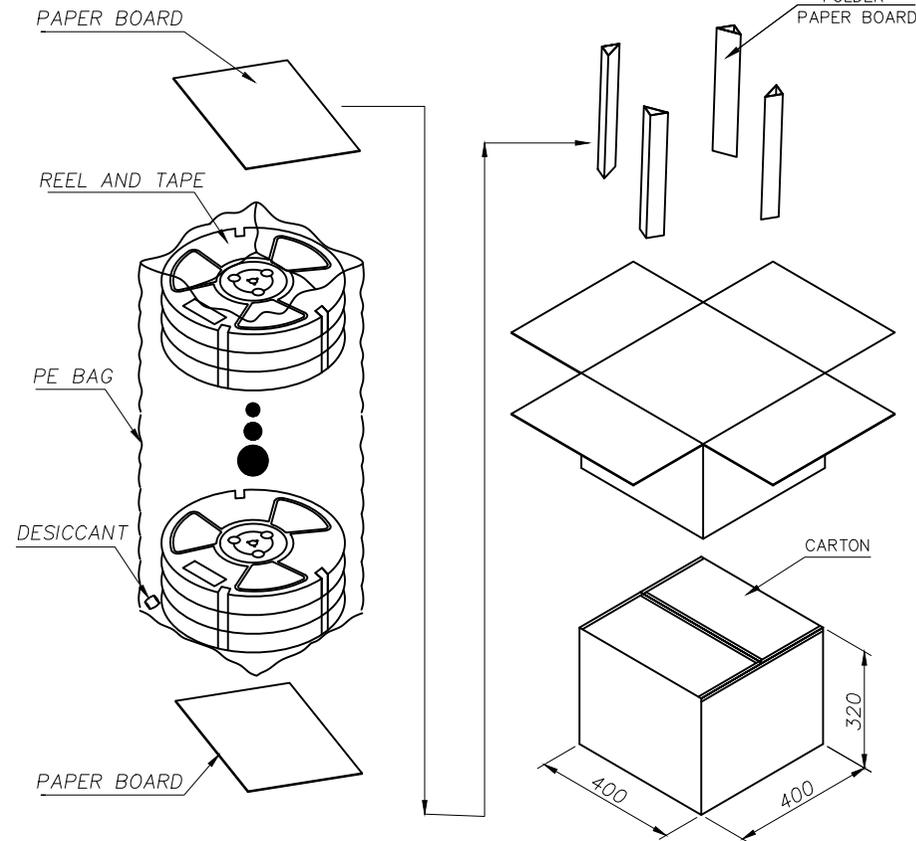
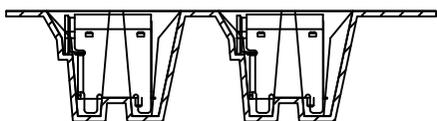
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REV:	ECN. NO.	NAME	DATE



DETAIL X  
SCALE 2:1



	REEL	CARTON
CONNECTOR (PCS)	550	5500

<b>TOLERANCE</b> X.X ±0.30    X.° ±10° .XX ±0.20    .X° ±8° .XXX ±0.10    .XX° ±5° UNITS            mm		<b>VITALCON</b> a vital connector company		FOR YOUR VITAL CONNECTION	
TITLE:		USB CF 16PIN SMT CH=5.9			
DRAWN BY:	Zou Long	PART NO:	UC22-1E1H1A103-0HR-01	REV: A	
CHECKED BY:	Bob	SIZE: A4	UNIT:mm	SHEET:3 OF 3	FCN: F9
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

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