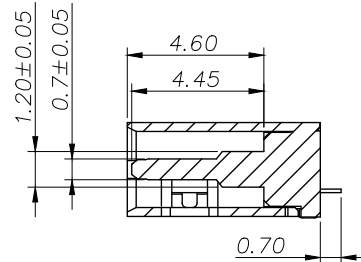
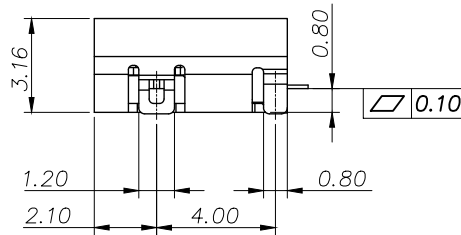
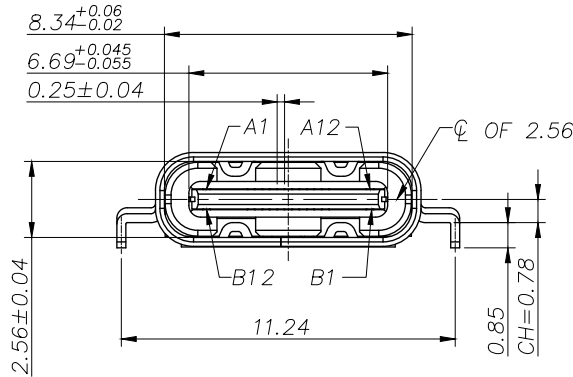
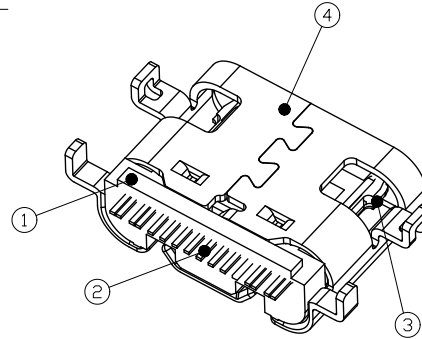
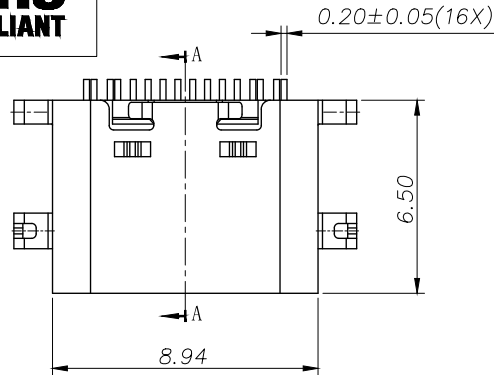




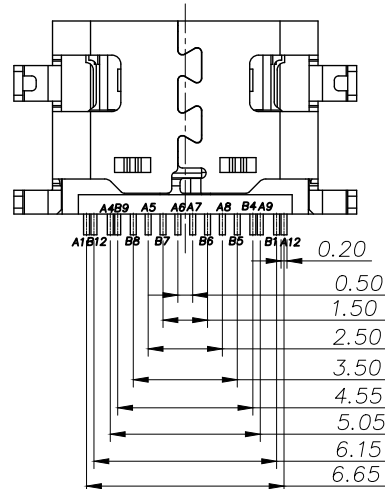
REV:	ECN. NO.	NAME	DATE

A  
B  
C  
D  
E  
F

A  
B  
C  
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E  
F



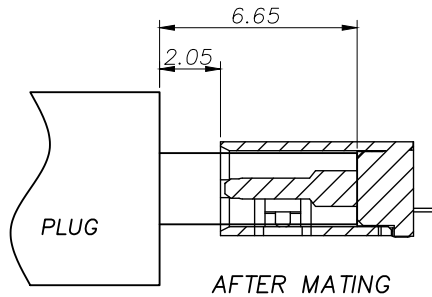
SECTION: A-A



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)  
 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: 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.

TOLERANCE 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 (L=6.5)MID MOUNT 0.8MM			
DRAWN BY:	Zou Long	PART NO:	UC22-1E1H1A103-0HR-02	REV: A	
CHECKED BY:	Bob	SIZE: A4	UNIT:mm	SHEET:1 OF 3	FCN: F9
APPROVED BY:	QPF	PROJECTION		http://www.vitalconn.com	

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

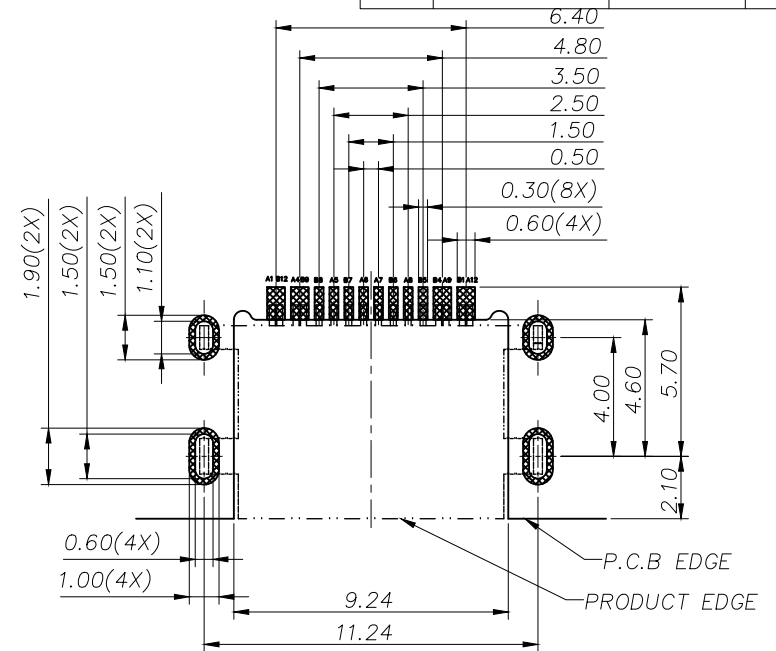


REV:	ECN. NO.	NAME	DATE

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

ORDER INFORMATION



RECOMMENDED PCB LAYOUT(TOP VIEW)  
THICKNESS 0.80MM;DEFAULT TOLERANCE: ±0.05

P/N: UC22-1E1H1A103-0HR-02

HOUSING MATERIAL

- A: LCP
- E: PA9T

HOUSING COLOR

- 1: BLACK
- 2: WHITE
- 5: NATURE

SHELL MATERIAL

- H: SUS304

SHELL PLATING

- 1: Ni 50u"
- 4: SELECTIVE-Au 1u"

CONTACT FUNCTIONAL AREA PLATED

- 03: Au 3u"
- 15: Au 15u"
- 30: Au 30u"

CONTACT SOLDER AREA PLATED

- 1: Au 1u"

CONTACT MATERIAL

- A: C1815

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



FOR YOUR VITAL CONNECTION

TITLE: USB CF 16PIN (L=6.5)MID MOUNT 0.8MM

DRAWN BY: Zou Long PART NO: UC22-1E1H1A103-0HR-02 REV: A

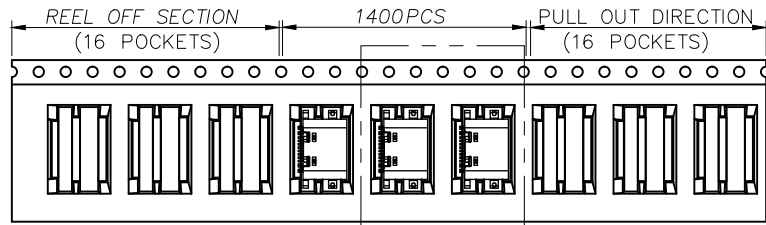
CHECKED BY: Bob SIZE: A4 UNIT:mm SHEET:2 OF 3 FCN: F9

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

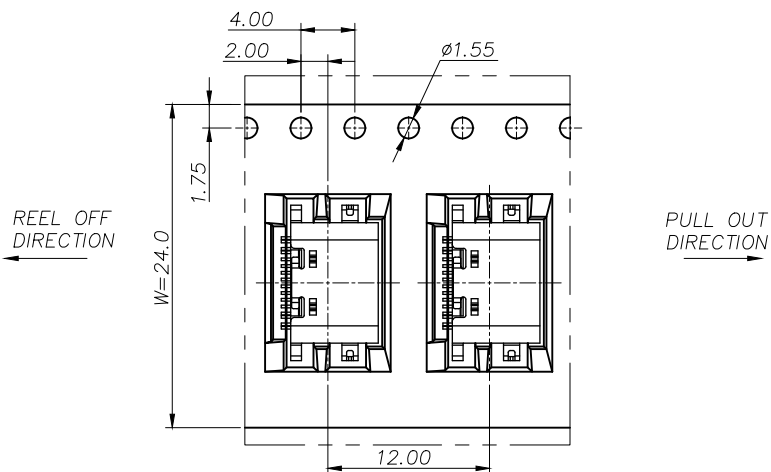
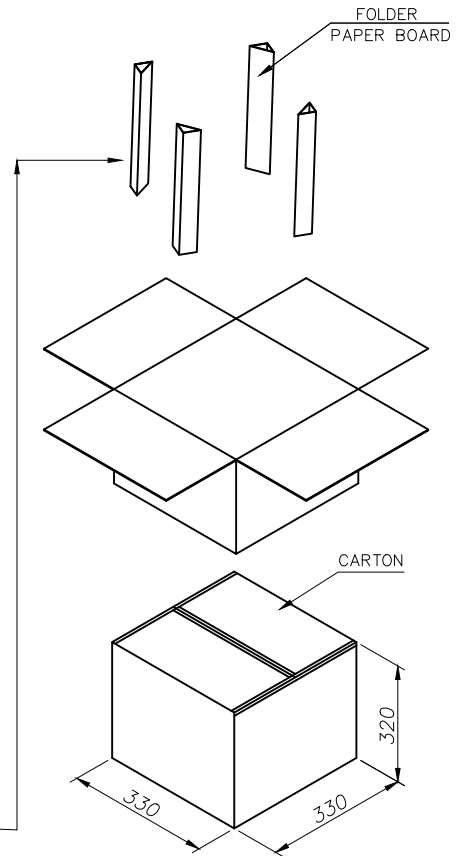
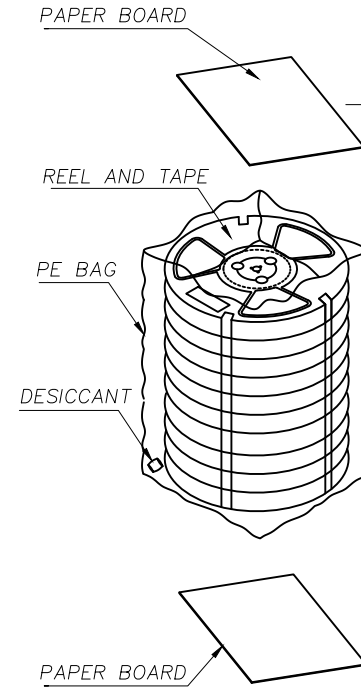
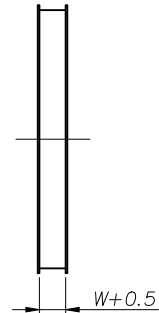
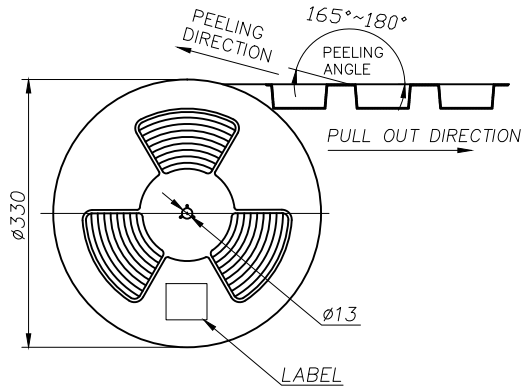
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REV:	ECN. NO.	NAME	DATE



SEE DETAIL X



	REEL	CARTON
CONNECTOR (PCS)	1400	14000

<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 (L=6.5)MID MOUNT 0.8MM			
DRAWN BY: Zou Long		PART NO: UC22-1E1H1A103-0HR-02		REV: A	
CHECKED BY: Bob		SIZE: A4		UNIT:mm SHEET:3 OF 3 FCN: F9	
APPROVED BY: QPF		PROJECTION		<a href="http://www.vitalconn.com">http://www.vitalconn.com</a>	

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