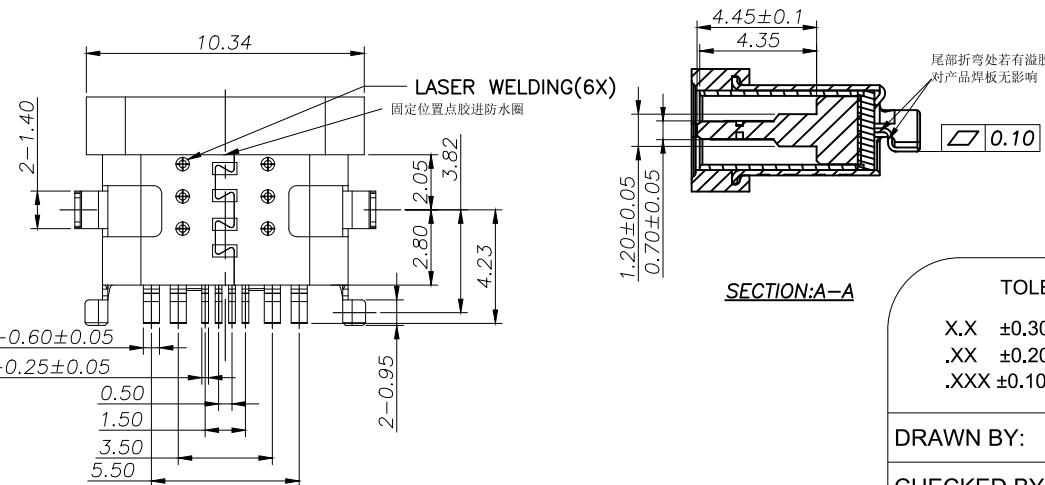
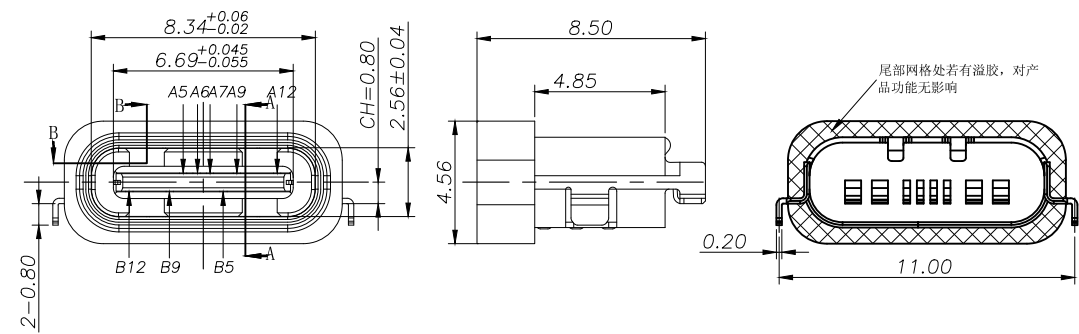
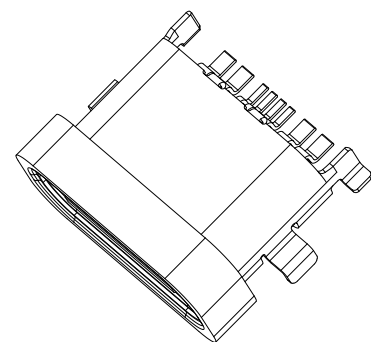
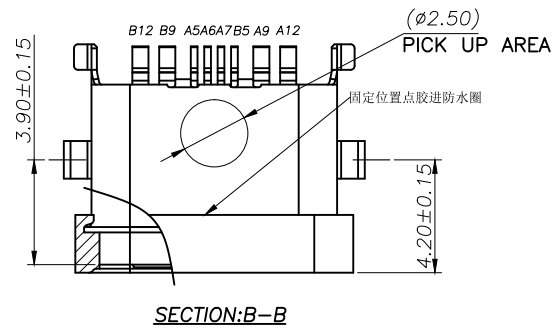




REV:	ECN. NO.	NAME	DATE
A0	----	---	04-03-2026



- NOTE:
- MATERIAL SPECIFICATION:
 - HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0.
 - TERMINAL: COPPER ALLOY
 - MID PLATE: STAINLESS STEEL
 - INNER SHELL: STAINLESS STEEL
 - OUT SHELL: STAINLESS STEEL
 - GLUE: EPOXY
 - O-RING: GLUE
 - PLATING SPECIFICATION:
 - TERMINAL:
 - PLATING NICKEL 50u" MIN. OVER ALL.
 - Au PLATED ON CONTACT AREA AND SOLDERING AREA. (GOLD PLATING THICKNESS FOLLOWS THE P/N)
 - PLATING SPECIFICATIONS OF THE SOLDERING AREA FOLLOWS THE P/N
 - OUT SHELL:
 - PLATING NICKEL 50u" MIN. OVER ALL.
 - INNER SHELL & MID PLATE:
 - CLEAR ONLY
 - MECHANICAL PERFORMANCE,
 - INSERTION FORCE: 0.5~2.0kgf.
 - REMOVAL FORCE: 0.8kgf~2.0kgf.
 - DURABILITY: 10000 CYCLES.
 - ELECTRICAL PERFORMANCE,
 - VOLTAGE RATING: 5 V DC/AC (RMS. max)
CURRENT RATING: 3 AMPS. FOR TOTAL VBUS/GND PINS;
1.25AMPS FOR CC PIN, 0.25 AMPS. FOR ALL OTHER CONTACT.
 - LLCR:
 - VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
 - LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
 - INSULATION RESISTANCE: 100MΩ MIN
 - DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
 - ENVIRONMENTAL PERFORMANCE:
 - OPERATING TEMPERATURE: -25°C~+85°C.
 - IR REFLOW:
 - THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.
 - WATERPROOF: IPX5

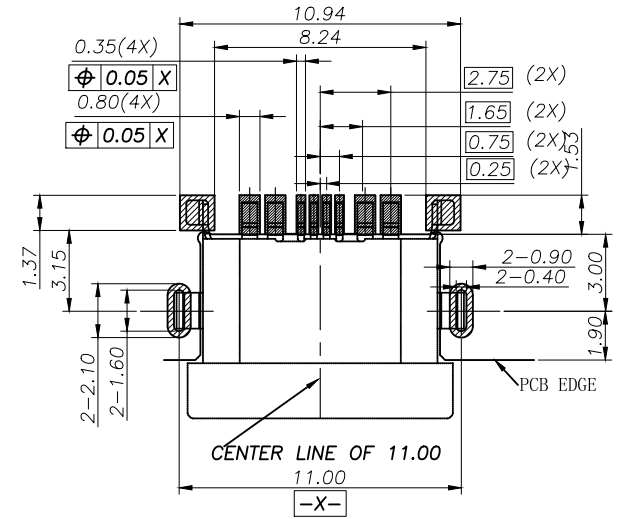
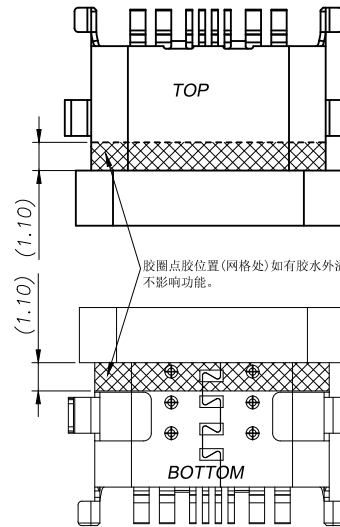
TOLERANCE		 a vital connector company		FOR YOUR VITAL CONNECTION				
X.X	±0.30						X.°	±10°
.XX	±0.20						.X°	±8°
.XXX	±0.10	.XX°	±5°	TITLE:	USB TYPE C 8POS CH=0.80 R/A WATERPROOF			
DRAWN BY:	Zou Long	PART NO:	UC22-3A1H1E001-0HR-56	SHEET:	1 OF 3	REV:	A0	
CHECKED BY:	Bob	DWG NO:	D-UC22-3A1H1E001-0HR-56	SIZE:	A4	UNIT:	mm	
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com				

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



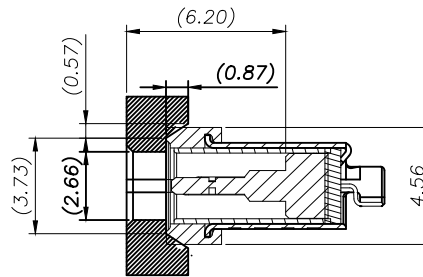
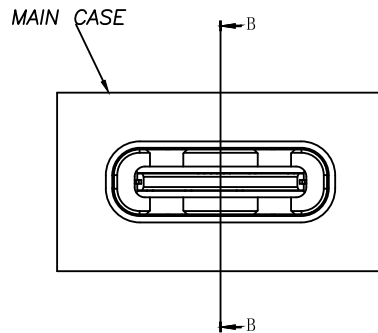
USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1		B12	GND
A2		B11	
A3		B10	
A4		B9	VBUS
A5	CC1	B8	
A6	D+	B7	
A7	D-	B6	
A8		B5	CC2
A9	VBUS	B4	
A10		B3	
A11		B2	
A12	GND	B1	



RECOMMENDED PCB LAYOUT
DEFAULT TOLERANCE: ±0.05

RECOMMENDED OPENING DIMENSIONS
OF CASE MATING AREA WITH SEALING RING



ORDER INFORMATION

P/N: UC22-3A1H1E001-0HR-56

SHELL PLATING
1: Ni:50u"MIN

H: HF

Au PLATING ON CONTACT AREA
01: GOLD FLASH
Au PLATING ON SOLDER AREA
0: Sn
1: GOLD FLASH

TOLERANCE

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



FOR YOUR
VITAL CONNECTION

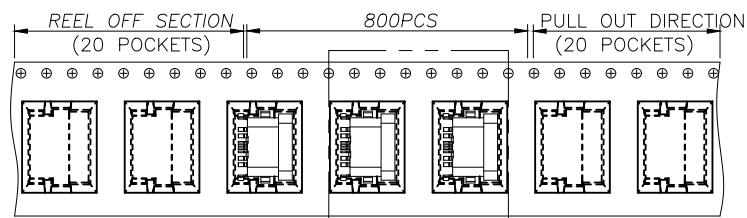
TITLE: USB TYPE C 8POS CH=0.80 R/A WATERPROOF

DRAWN BY:	Zou Long	PART NO:	UC22-3A1H1E001-0HR-56	SHEET:	2 OF 3	REV:	A0
CHECKED BY:	Bob	DWG NO:	D-UC22-3A1H1E001-0HR-56	SIZE:	A4	UNIT:	mm
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com			

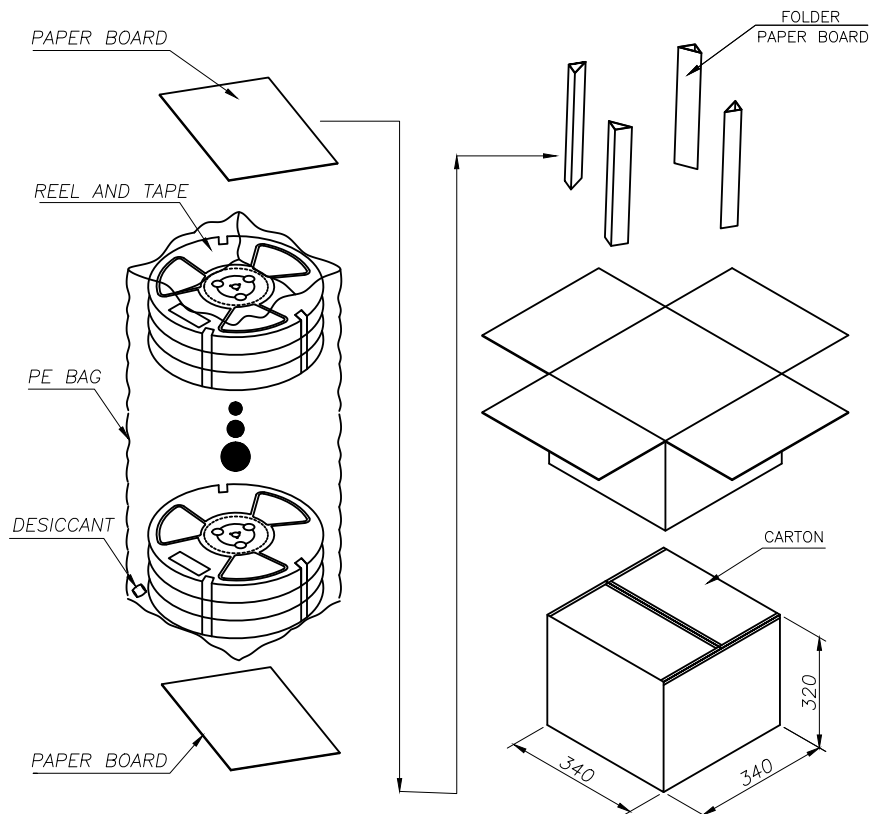
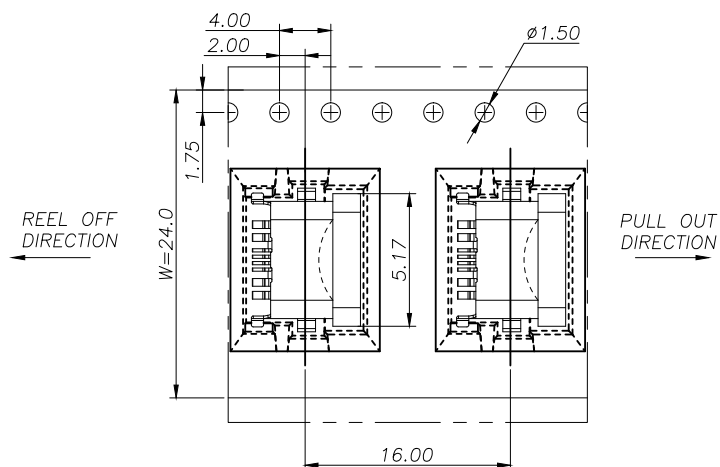
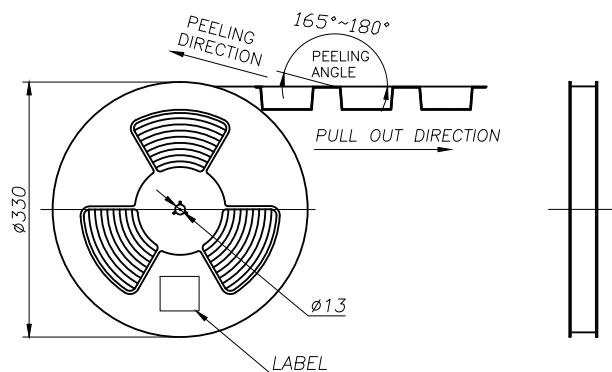
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SEE DETAIL X



	REEL	CARTON
CONNECTOR (PCS)	800	8000

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 8POS CH=0.80 R/A WATERPROOF

DRAWN BY:	Zou Long	PART NO:	UC22-3A1H1E001-OHR-56	SHEET:	3 OF 3	REV:	A0
CHECKED BY:	Bob	DWG NO:	D-UC22-3A1H1E001-OHR-56	SIZE:	A4	UNIT:	mm
APPROVED BY:	QPF	PROJECTION:		http://www.vitalconn.com			

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