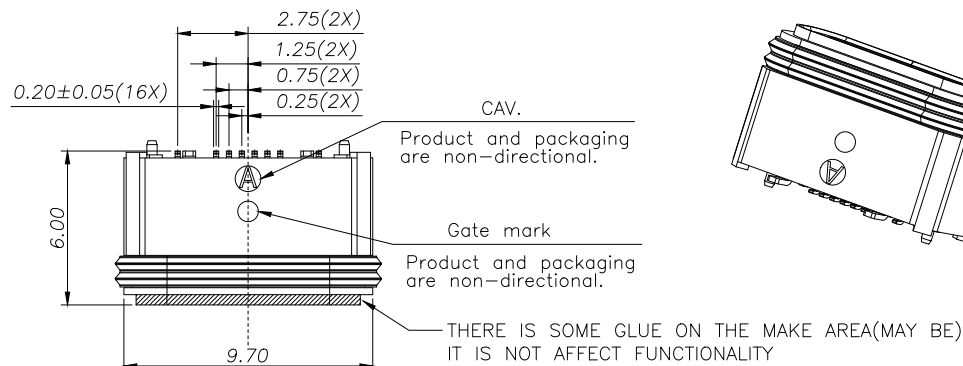
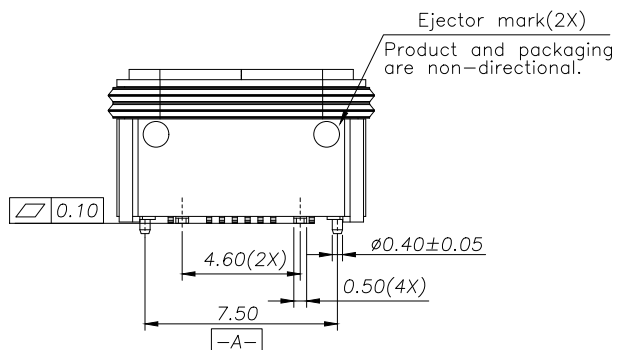
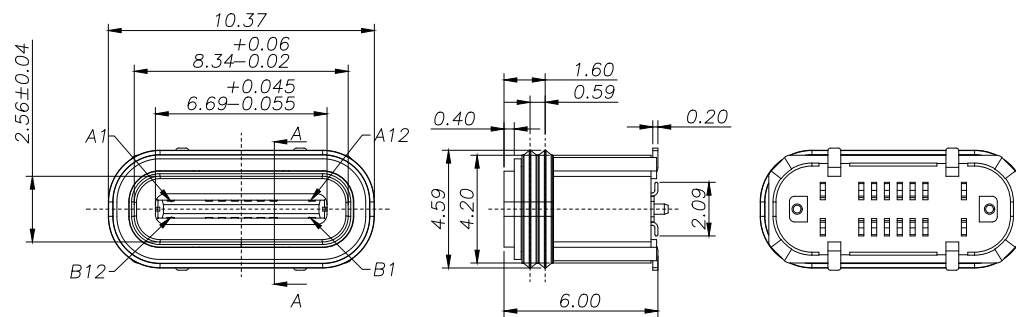




REV:	ECN. NO.	NAME	DATE
A1	-----	Update drawing	07-19-2026



- NOTE:
- MATERIAL SPECIFICATION:
 - HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC (PA9T, BLACK)
 - TERMINAL: COPPER ALLOY (C18150)
 - MID PLATE: STAINLESS STEEL (SUS301)
 - FRONT SHELL: STAINLESS STEEL (SUS304)
 - O-RING: SILICA GEL, BLACK
 - GLUE: EPOXY, BLACK
 - PLATING SPECIFICATION:
 - TERMINAL:
Ni 50u" MIN. UNDER PLATED OVER ALL.
Au G/F PLATED ON THE CONTACT AREA
Au G/F PLATED ON THE SOLDER AREA
 - SHELL:
Ni 50u" MIN. UNDER PLATED OVER ALL.
 - 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: 5V.
CURRENT RATING: 5A.
 - 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



SECTION A-A
SCALE 1:1

TOLERANCE

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



FOR YOUR
VITAL CONNECTION

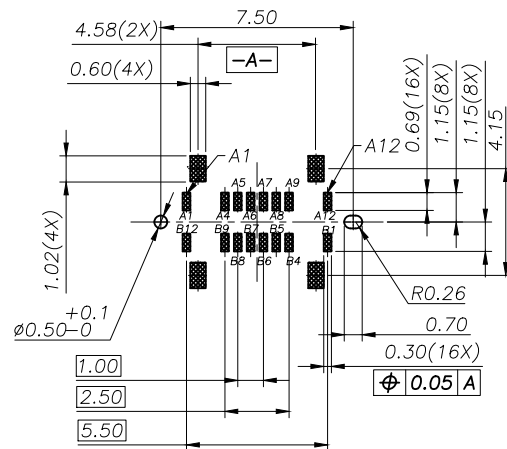
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DRAWN BY:	Zou Long	PART NO:	UC-101566-22103-F9	SHEET:	1 OF 3	REV:	A1
CHECKED BY:	Bob	DWG NO:	D-UC-101620-22103-F9	SIZE:	A4	UNIT:	mm
APPROVED BY:	QPF	PROJECTION:			http://www.vitalconn.com		

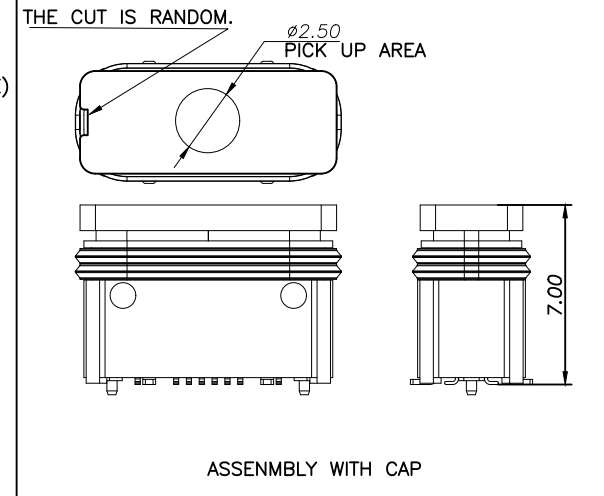
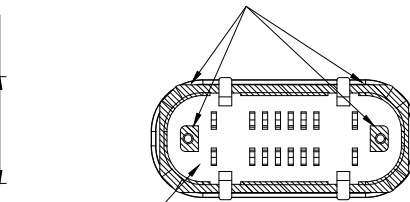
For technical support, please send an email to support@vitalconn.com



REV:	ECN. NO.	NAME	DATE
A1	-----	Update drawing	07-19-2026



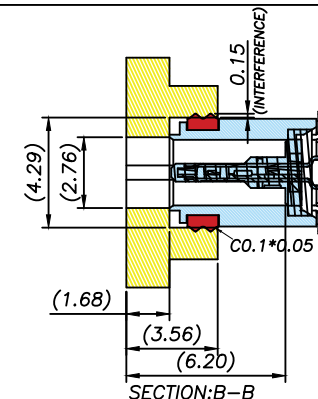
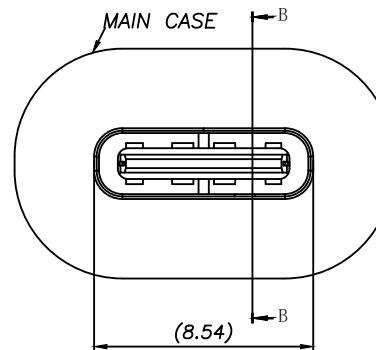
THERE IS SOME GLUE ON THE MAKE AREA(MAY BE)
IT IS NOT AFFECT SOLDERING



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.8±0.10MM;DEFAULT TOLERANCE:±0.05

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 OPENING DIMENSIONS
OF CASE MATING AREA WITH SEALING RING

TOLERANCE

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



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TITLE: USB TYPE C 16PCS VERTIACL H=6.0 IPX5

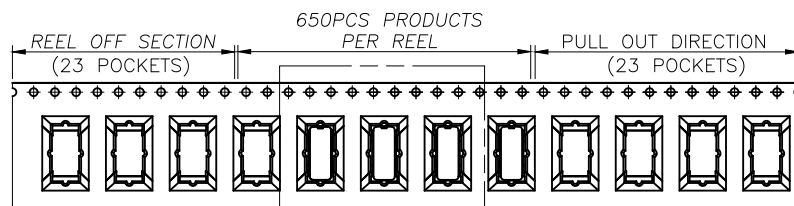
DRAWN BY:	Zou Long	PART NO:	UC-101566-22103-F9	SHEET:	2 OF 3	REV:	A1
CHECKED BY:	Bob	DWG NO:	D-UC-101620-22103-F9	SIZE:	A4	UNIT:	mm
APPROVED BY:	QPF	PROJECTION:					

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

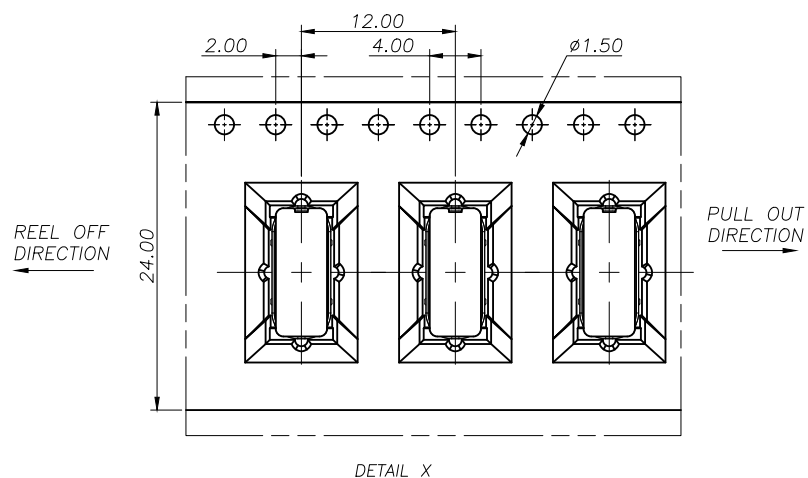
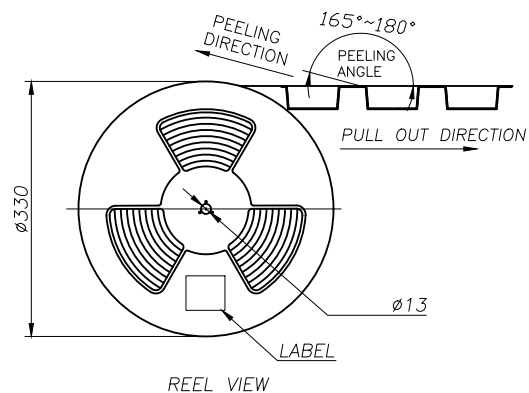
<http://www.vitalconn.com>



REV:	ECN. NO.	NAME	DATE
A1	-----	Update drawing	07-19-2026



SEE DETAIL X



PAPER BOARD

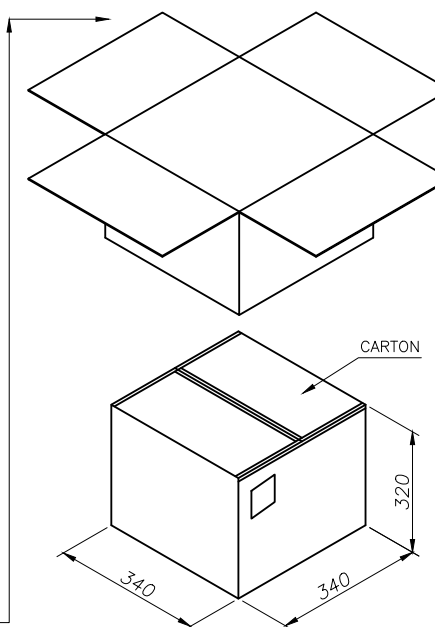
REEL AND TAPE

DESICCANT

PE BAG

VACUUM BAG

PAPER BOARD



	REEL/TRAY	CARTON
CONNECTOR (PCS)	650	6500

TOLERANCE

X.X	± 0.30	X. $^{\circ}$	$\pm 10^{\circ}$
.XX	± 0.20	.X. $^{\circ}$	$\pm 8^{\circ}$
.XXX	± 0.10	.XX. $^{\circ}$	$\pm 5^{\circ}$

VITALCON
a vital connector company

FOR YOUR
VITAL CONNECTION

TITLE: USB TYPE C 16PCS VERTIACL H=6.0 IPX5

DRAWN BY:	Zou Long	PART NO:	UC-101566-22103-F9	SHEET:	3 OF 3	REV:	A1
CHECKED BY:	Bob	DWG NO:	D-UC-101620-22103-F9	SIZE:	A4	UNIT:	mm
APPROVED BY:	QPF	PROJECTION:			http://www.vitalconn.com		

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