



REV:	ECN. NO.	NAME	DATE

NOTE:

- MATERIAL SPECIFICATION:
 - HOUSING:PA9T COLOR SEE TABLE 1,UL94 V-0.
 - CONTACTS:COPPER ALLOY(C18150)
 - MID PLATE&SPRING: STAINLESS STEEL(SUS301)
 - FRONT SHELL: STAINLESS STEEL(SUS304)
- PLATING SPECIFICATION:
 - 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
 - FRONT SHELL & COVER:

Ni 30u" MIN. UNDER PLATED OVER ALL.
 - MID PLATE & EMI SPRING:

CLEAR ONLY
- MECHANICAL PERFORMANCE,
 - INSERTION FORCE: 0.5~2.0kgf.
 - REMOVAL FORCE: 0.8kgf~2.0kgf.
 - DURABILITY: 10000 CYCLES.
- ELECTRICAL PERFORMANCE,
 - CURRENT RATING:3.0A
VOLTAGE RATING:5.0V
 - LLCR:

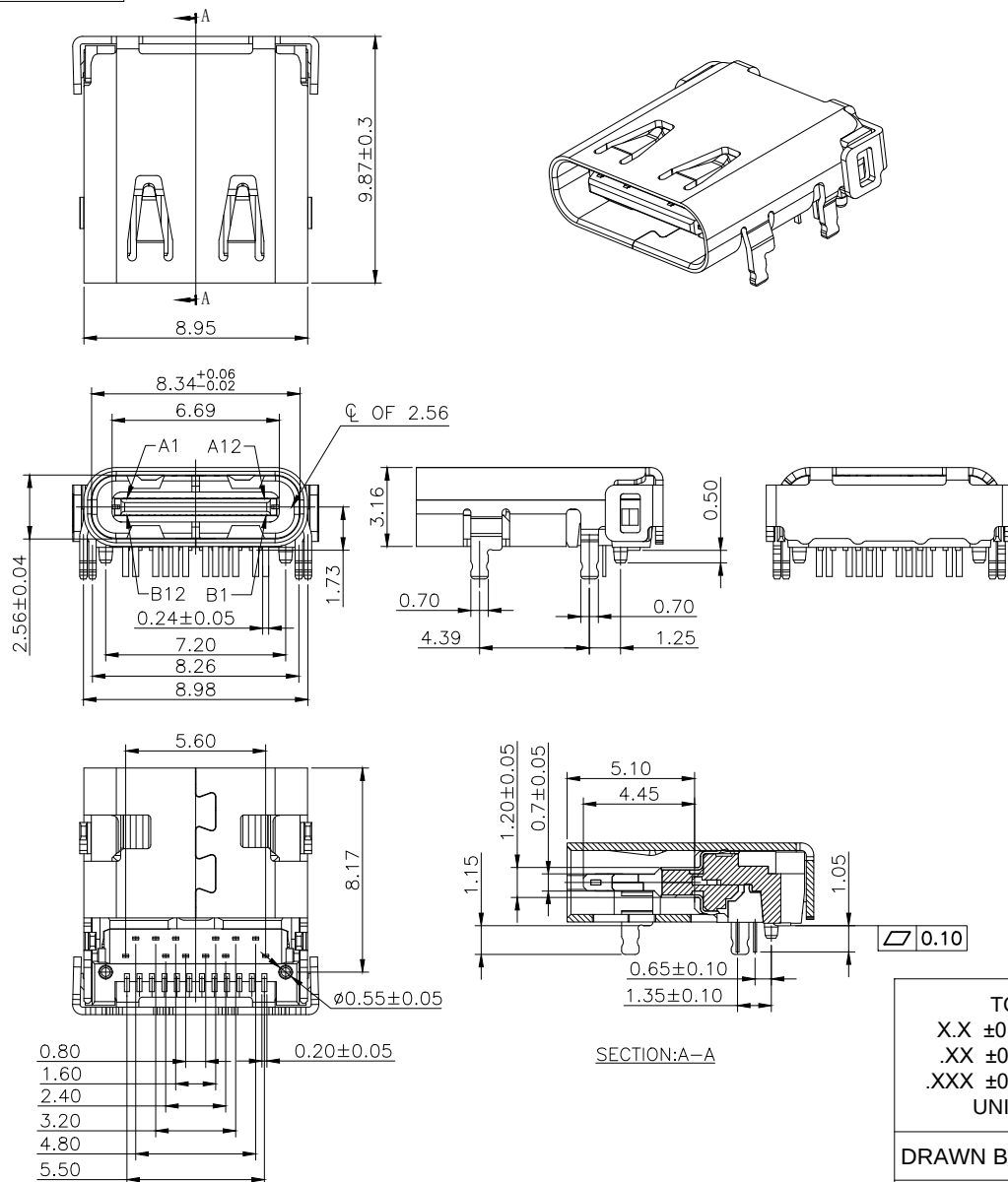
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
 - INSULATION RESISTANCE: 100MΩ MIN
 - DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
- ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25°C~+85°C.
- IR REFLOW:

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

TABLE 1

ITEM	P/N	HOUSING COLOR	CONTACTS	
			FUNCTIONAL AREA	SOLDER AREA
1	UC32-2E1H1A103-0HR-05	BLACK	Au:3u"	Au:G/F
2	UC32-2E1H1A115-0HR-05	BLACK	Au:15u"	Au:G/F



SECTION:A-A

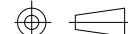
TOLERANCE	
X.X ±0.30	X°. ±10°
.XX ±0.20	.X° ±8°
.XXX ±0.10	.XX° ±5°
UNITS	mm

FOR YOUR
VITAL CONNECTION

TITLE: USB CF TYPE DIP+SMT CONN

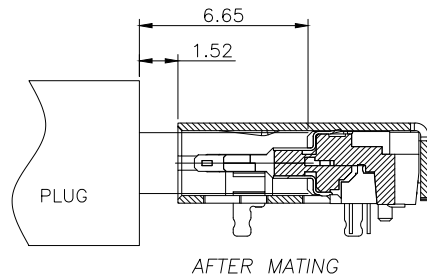
DRAWN BY: Zou Long PART NO: UC32-2E1H1A103-0HR-05 REV: A

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

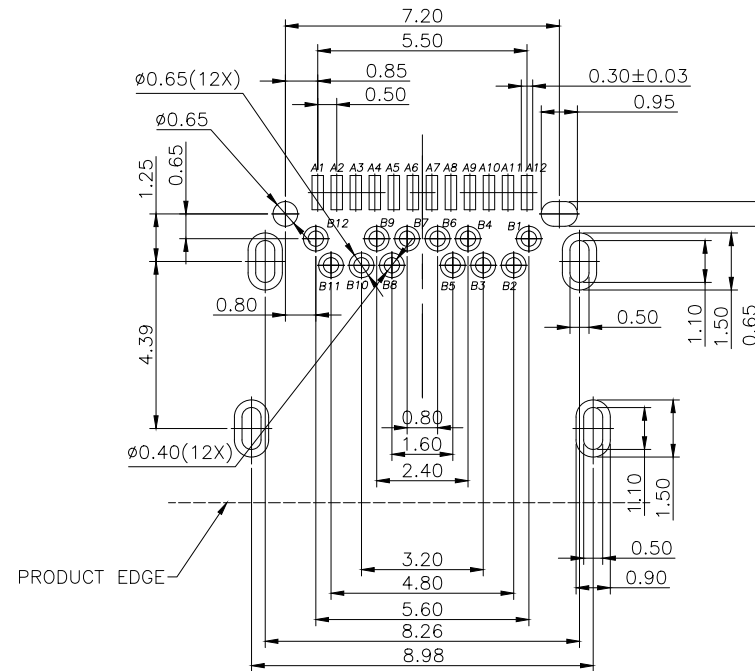


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USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	TXp1+	B11	RXp1+
A3	TXn1-	B10	RXn1-
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vbus	B4	Vbus
A10	RXn2-	B3	TXn2-
A11	RXp2+	B2	TXp2+
A12	GND	B1	GND



SCALE 1.5:1

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

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

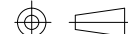


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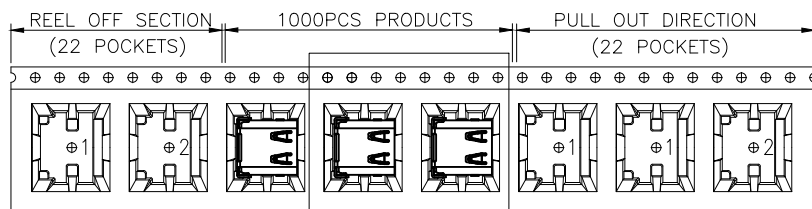
CHECKED BY: Bob SIZE: A4 UNIT:mm SHEET:2 OF 3 FCN: F9

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

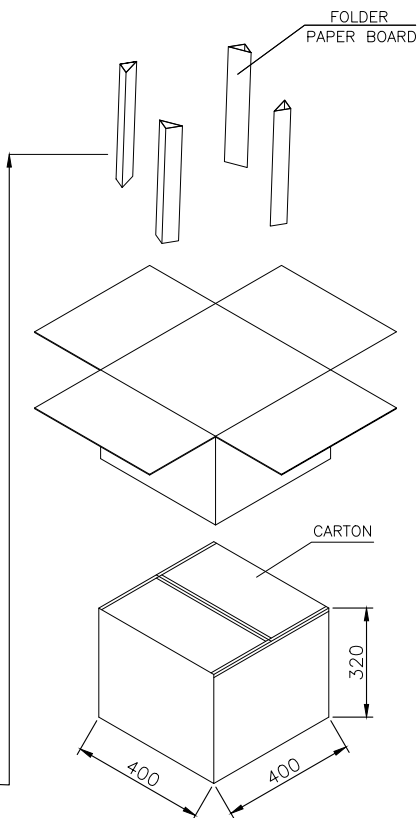
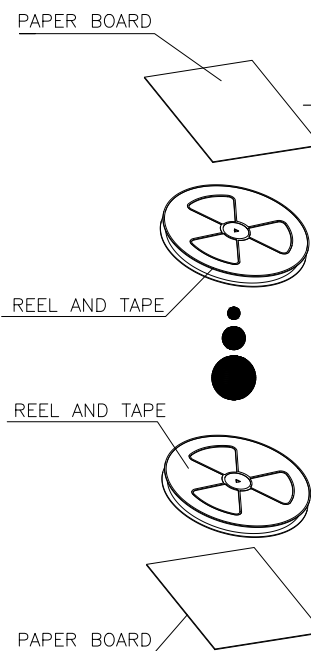
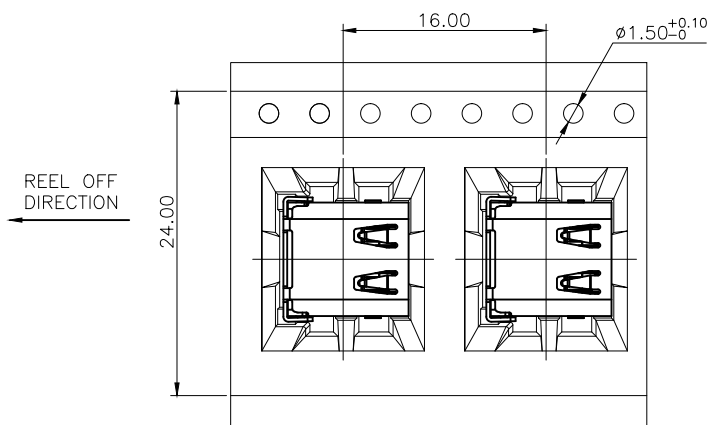
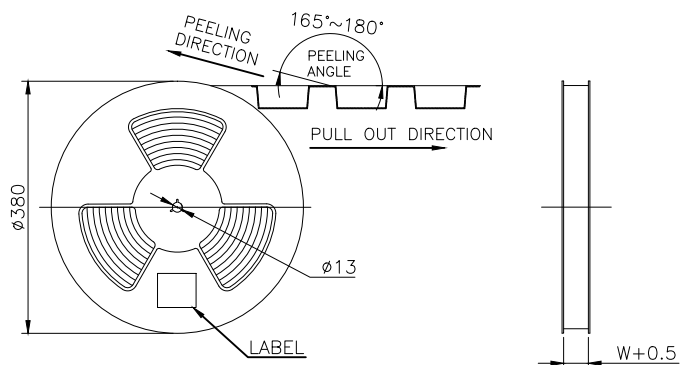
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SEE DETAIL X



	REEL/TRAY	CARTON
CONNECTOR (PCS)	1000	10000

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

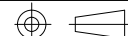


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