



0.20±0.05(16X)

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)

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:

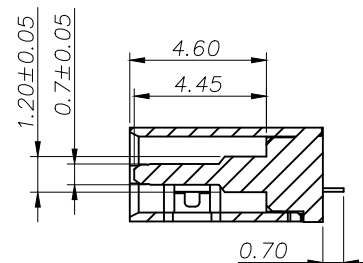
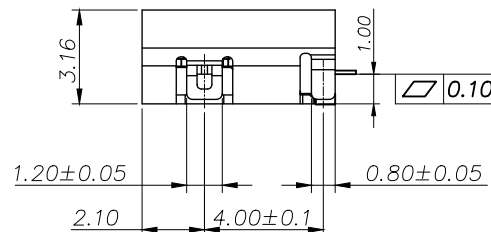
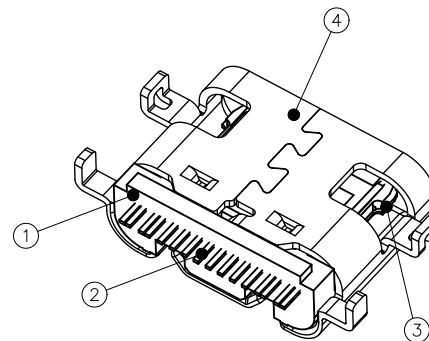
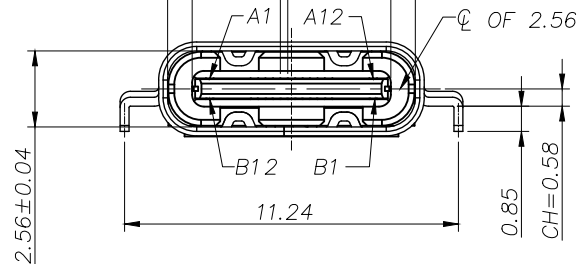
THE PEAK TEMPERATURE ON THE BOARD SHALL

BE MAINTAINED FOR 10 SECONDS AT 260°C.

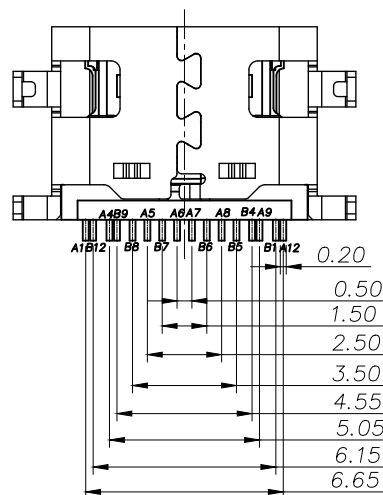
8.34^{+0.06}_{-0.02}

6.69^{+0.045}_{-0.055}

0.25±0.04



SECTION: A-A



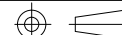
VITALCON
a vital connector company

FOR YOUR
VITAL CONNECTION

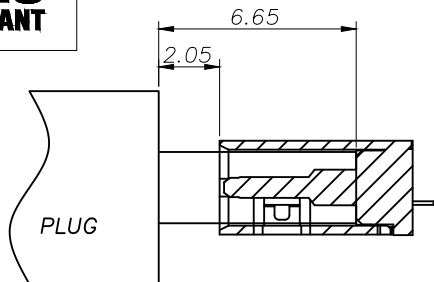
TITLE: USB CF 16PIN (L=6.5)MID MOUNT 1.0MM

DRAWN BY: Zou Long PART NO: UC22-2E1H1A103-0HR-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



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

ORDER INFORMATION

P/N: UC22-2E1H1A103-0HR-02

HOUSING MATERIAL

A: LCP

E: PA9T

HOUSING COLOR

1: BLACK

2: WHITE

5: NATURE

SHELL MATERIAL

H: SUS304

SHELL PLATING

1: Ni

CONTACT FUNCTIONAL AREA PLATED

01: Au 1u"

03: Au 3u"

15: Au 15u"

30: Au 30u"

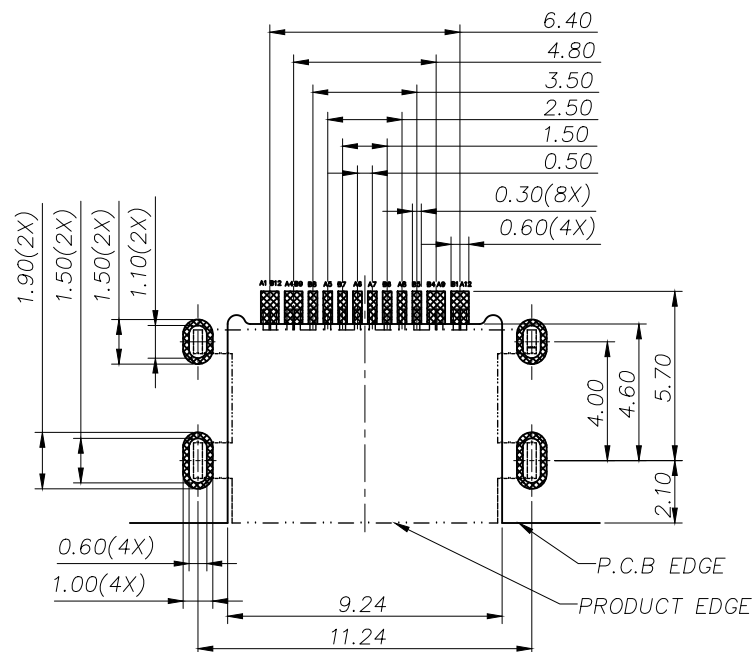
CONTACT SOLDER AREA PLATED

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CONTACT MATERIAL

A: C1815

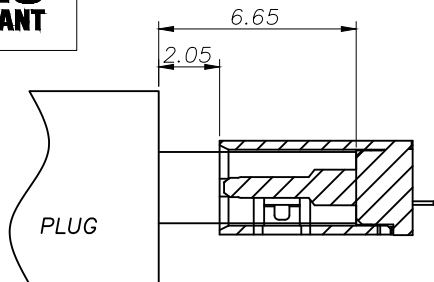


RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.80MM;DEFAULT TOLERANCE: ±0.05

TOLERANCE		VITALCON a vital connector company		FOR YOUR VITAL CONNECTION	
X.X	±0.30	X.°	±10°		
.XX	±0.20	.X°	±8°	TITLE:	
.XXX	±0.10	.XX°	±5°	USB CF 16PIN (L=6.5)MID MOUNT 1.0MM	
UNITS		mm		DRAWN BY: Zou Long	
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CHECKED BY:		Bob		REV: A	
APPROVED BY:		QPF		SIZE: A4	
PROJECTION				UNIT:mm	
				SHEET:2 OF 3	
				FCN: F9	
				http://www.vitalconn.com	

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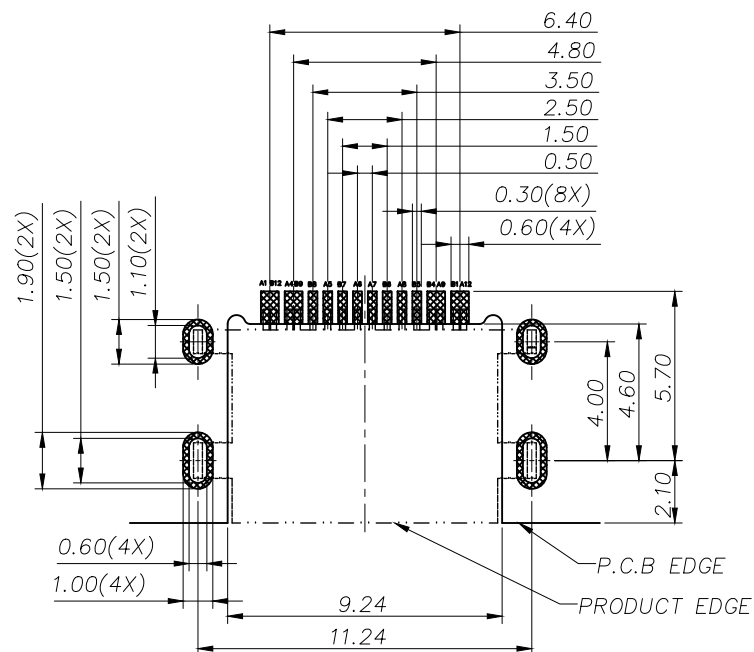
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CHECKED BY:		Bob		REV: A	
APPROVED BY:		QPF		SIZE: A4	
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