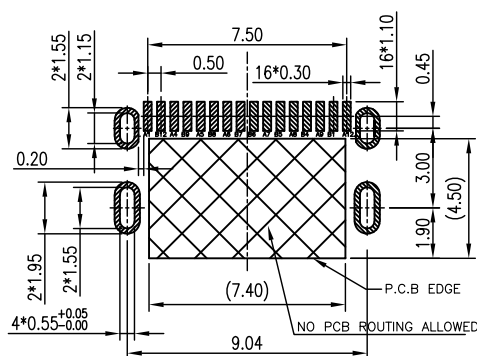
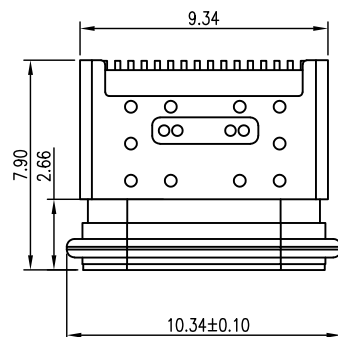
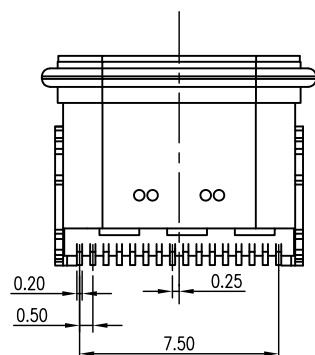
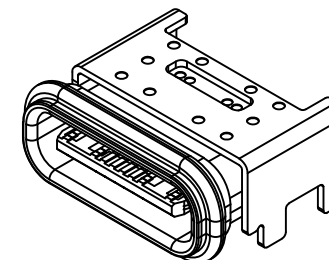
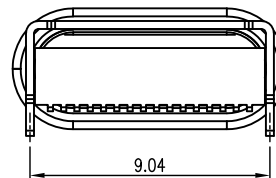
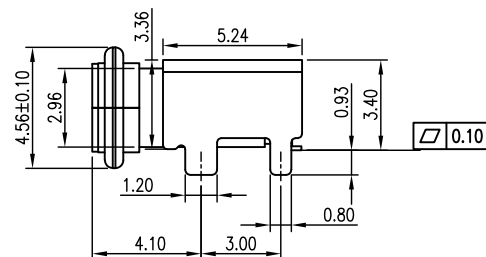
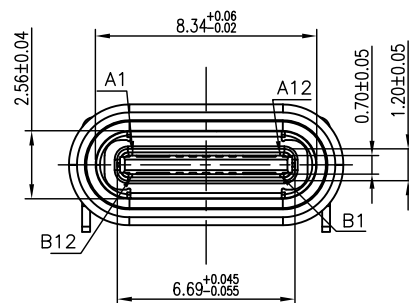
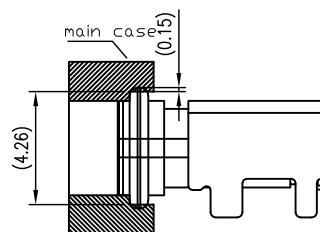




RECOMMENDED PCB LAYOUT
(Tolerance=±0.05)



PANEL CUT-OUT REFERENCE

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A4	Vbus	Bus Power	B9	Vbus	Bus Power
A5	CC1	Configuration Channel	B8	SR02	Sideband Use (SR0)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SR01	Sideband Use (SR0)	B5	CC2	Configuration Channel
A9	Vbus	Bus Power	B4	Vbus	Bus Power
A12	GND	Ground return	B1	GND	Ground return

NOTE:

1. MATERIAL SPECIFICATION:

- 1-1. HOUSING: PA9T
- 1-2. CONTACTS: C7025
- 1-3. EMI SPRING: SUS316
- 1-4. FRONT SHELL: SUS316
- 1-5. SHELL: SUS304
- 1-5. MIDDLE BLADE: SUS301

2. PLATING SPECIFICATION:

- 2-1. CONTACTS:
Ni 50u" MIN. UNDER PLATED OVER ALL.
3u" Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
Au GOLD FLASH PLATED ON SOLDER AREA.
- 2-2. SHELL:
Ni 50u" MIN. UNDER PLATED OVER ALL.

3. ELECTRICAL CHARACTERISTICS:

- 3-1 CONTACT RESISTANCE: 40mΩ Max FOR INITIAL. 10mΩ CHANGE AFTER TEST. MEASURE AT 20mV, 100mA.

- 3-2 CONTACT CURRENT RATING: 5A FOR COLLECTIVELY POWER SUPPLY PIN (PIN1, A4, A9, A12, B1, B4, B9, B12); 1.25A FOR VCONN PIN; 0.25A FOR OTHER SIGNAL PIN.

- 3-3 DIELECTRIC WITHSTANDING VOLTAGE: 100V AC R.M.S.

- 3-4 INSULATION RESISTANCE 100MΩ Min

- 3-5 OPERATING TEMPERATURE: -40° C ~ 85° C

4. MECHANICAL CHARACTERISTICS:

- 4-1 MATING FORCE: 5~20 N.
- 4-2 UNMATED FORCE: 8~20N INITIAL TEST; 6~20N DURABILITY AFTER TEST
- 4-3 DURABILITY: 10,000 CYCLES
- 5. TID: 14520



深圳市华宇创精密电子有限公司

TOLERANCE: X.X ±0.30 X.XX ±0.25 X.XXX ±0.15 X.' ±2" X.X' ±0.5"	DRAWN BY : 陈一鸣	DATE : 2014-02-23	PART NAME: USB TYPE C 防水母座16P 板上SMT L=7.9 外壳四脚DIP	
	CHECKED BY: 马跃	DATE : 2014-02-23	PART NO. HWCW666-USBC16-790B	
UNIT: mm [inch] SCALE:1:1 SIZE: A4	APPROVED BY: 邱敏	DATE : 2014-02-23	DRAW NO: HYC-2601061545	
			SHEET NO. 1 OF 1	