

NOTE:

1.MATERIAL:

- 1.1 INSULATOR:LCP UL 94V-0
- 1.2 CONTACT:PHOSPHOR BRONZE(T=0.25mm)
- 1.3 SHELL:SPCC(T=0.30mm) OR BRASS(T=0.30mm)

2.ELECTRICAL CHARACTERISTICS:

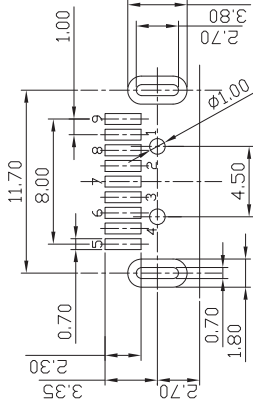
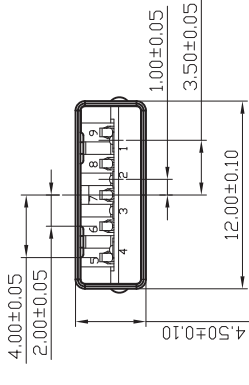
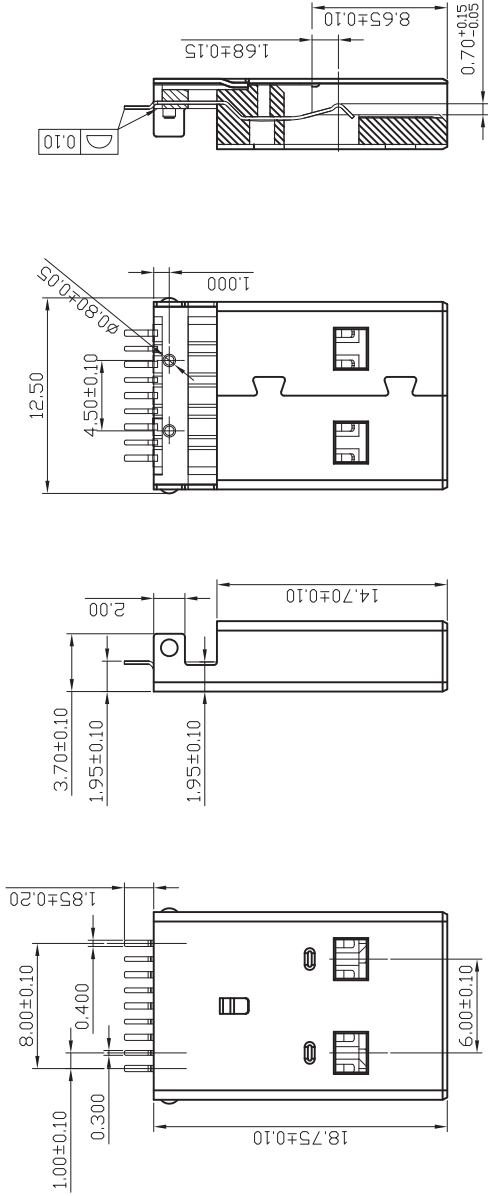
- 2.1 CONTACT RESISTANCE:30mΩ MAXIMUM
- 2.2 CONTACT CURRENT RATING:1.5AMPERES
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE:500 V R.M.S.
- 2.4 INSULATION RESISTANCE 1000 MΩ MIN
- 2.5 OPERATING TEMPERATURE:-40°C ~ 85°C

3 MECHANICAL CHARACTERISTICS:

- 3.1 MATING FORCE:3.57kg MAX
- 3.2 UNMATING FORCE:1.02kg MIN
- 3.3 DURABILITY-MANDATORY:5,000 CYCLES

4.PLATING

- 4.1 TERMINAL-GOLD FLASH ALL OVER 50u" MIN NICKEL AND 100u"MIN Tin ALL OVER 50u" MIN NICKEL ON SOLDER AREA
- 4.2 SHELL:120u"MIN,NICEL OVER 20"MIN COPPER

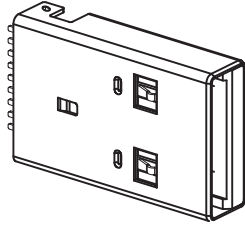


PCB LAYOUT (T=1.20)

TOLERANCE:±0.05

USB3A-18XXE0XA

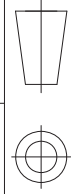
- Shell:
 - 0: Copper
 - 7: SPCC
- Contact Finish:
 - 00: Material
 - 01: G/F
 - 05: 5u"Gold
 - 10: 10u"Gold
 - 15: 15u"Gold
 - 30: 30u"Gold



Pin #	SIGNAL NAME	DESCRIPTION
1	VBUS	POWER
2	D-	USB 2.0 DIFFERENTIAL PAIR
3	D+	
4	GND	GROUND FOR POWER RETURN
5	StdA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR
6	StdA_SSRX+	
7	GND_DRAIN	GROUND FOR SIGNAL RETURN
8	StdA_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR
9	StdA_SSTX+	
Shell	Shield	CONNECTOR METAL SHELL

Wellco T&C Co., Ltd.

TOLERANCE:	UNIT	MM	SHEET	1/1	DRAW:	Andy	P/N:	USB3A-18XXE0XA
X. ± 0.50	X.° ± 1°							
.X ± 0.30	.X° ± 1°							
.XX ± 0.20	.XX° ± 1.0°							
.XXX ± 0.10								
SCALE	DESIGN:							
1:1	CHECK:							
REV: A	APPR:							



ITEM: USB 3.0 A/M SMT (沉板 2.0mm,有柱)

DRW NO: C-USB3A-18XXE0XA