

REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
01	---	INITIAL RELEASED	2018.03.05	Hank Pei
02	---	-----	2018.03.07	Hank Pei

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING:ICP_BLACK,UL94 V-0.
- 2.CONTACTS:COOPER ALLOY(C1814)
- 3.MID PLATE: STAINLESS STEEL(SUS301)
- 4.FRONT SHELL: STAINLESS STEEL(SUS304)
- 5.COVER: STAINLESS STEEL(SUS304)

2.PLATING SPECIFICATION:

2-1.CONTACTS:

Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
(GOLD PLATING THICKNESS FOLLOW THE P/N)

2-2.FRONT SHELL & COVER:

Ni 30u" MIN. UNDER PLATED OVER ALL.
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. CURRENT RATING:3.0A
VOLTAGE RATING:5.0V

4-2. LCGR:

VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.

SHIELD: 50mΩ/MAX.

LCGR MAX. CHANGE OF ALL PINS: 10mΩ.

4-3.INSULATION RESISTANCE: 100MΩ MIN

4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

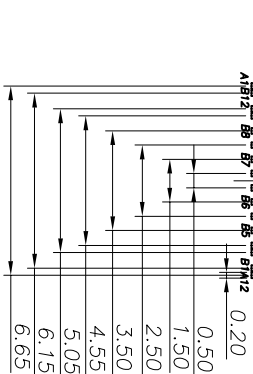
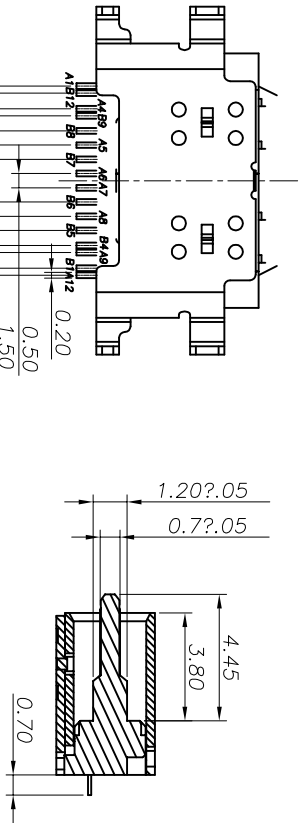
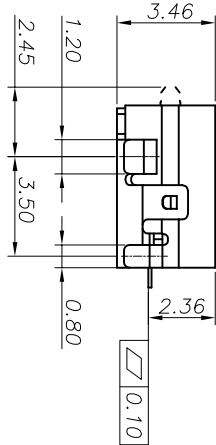
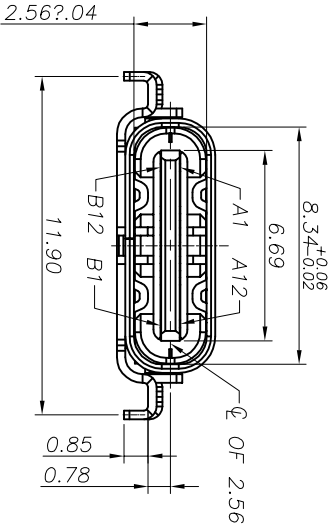
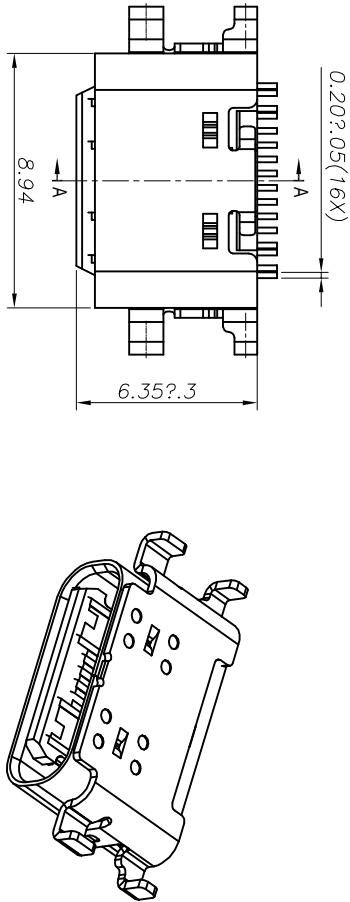
5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25℃~+85℃.

6.IR REFLOW:

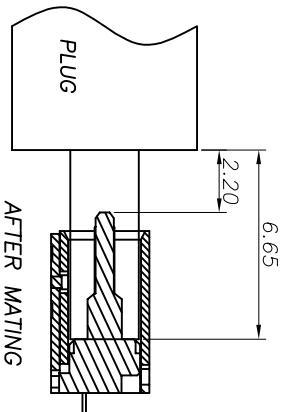
THE PEAK TEMPERATURE ON THE BOARD SHALL

BE MAINTAINED FOR 10 SECONDS AT 260°C.



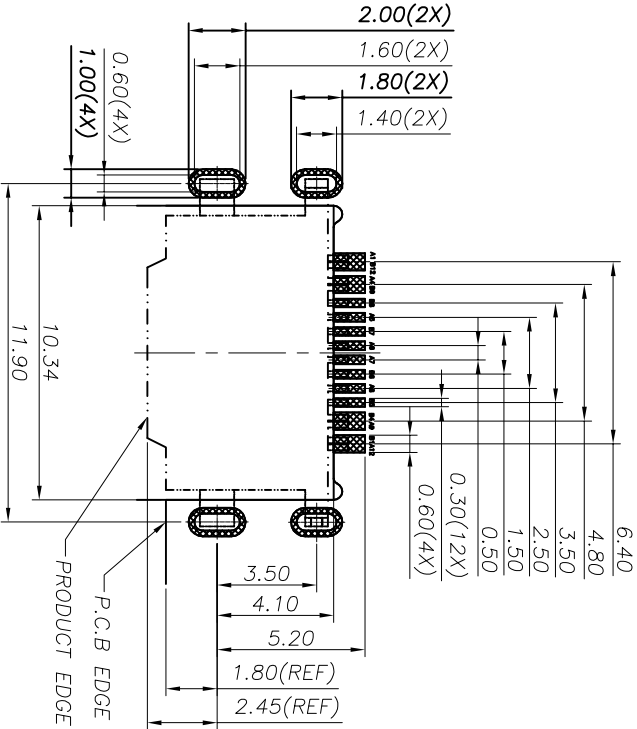
TOLERANCE	NAME(INTENDED USE) CUSTOMER DRAWING	深圳市文章济美科技有限公司
X.X ±0.30 X.* ±10°	PART NO.	TITLE: DRAW NAME_1 DRAW_NAME_2
.XX ±0.20 .X* ± 8°	PART_NO.	
.XXX ±0.10 .XX* ± 5°	DESIGN: DRAW	DRAW NO.
UNITS mm		DRAW_NO.
MATERILA	CHED:	
FINISH	APPD:	SCALE SHEET REV. SCALE SHEET REV.

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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:

5001-ACF011-1AXHXAXXX-0HR

CONTACT FUNCTIONAL AREA PLATED

03: Au 3u"

15: Au 15u"

30: Au 30u"

CONTACT SOLDER AREA PLATED

1: Au 1u"

SHELL PLATING

1: Ni

4: SELECTIVE-Au 1u"

HOUSING COLOR

1: BLACK

2: WHITE

RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.80MM;DEFAULT TOLERANCE:±.05

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X.X ±0.30 X.* ±10°	PART NO.	SEE P/N
.XX ±0.20 .X.* ± 8°		
.XXX ±0.10 .XX.* ± 5°	DESIGN: Hank Pei	
UNITS	mm	
MATERILA	CHED:	
FINISH	APPD:	