

HSF Compliant

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REV.	ECN NO.	DESCRIPTION	DRAW	CHECK	APPD.	DATE
A0	—	新版发行	HL.W	BENDEE	BENDEE	20-11-14

Specifications:

1.0 Electrical performance:

1.1 Contact resistance: 40mΩ max for initial.

10mΩ change after test. measure at 20mv, 100mA.

1.2 Dielectric withstanding voltage:AC 100V(rms).

1.3 Insulation resistance:100MΩ min.

1.4 Contact current rating:

3A for Vbus pin;1.25A for Vconn and GND pin;0.25A for all the other pin.

1.5 Voltage: 5 Vac (rms).

2.0 mechanical performance:

2.1 Mating force:5~20N

2.2 Unmating force:8~20N Initial test,

6~20N After test

2.3 Durability:10,000 cycles.

3.0 Environmental performance:

3.1 Temperature range:

3.2 Operating temperature: -25°to+85°.

3.3 Storage temperature: -20°to+60°.

4.0 Material:

4.1 Housing:PA9T Black,UL94-V0.

4.2 Contact:C7025,T=0.12mm

4.3 Mid-plate: SUS,T=0.20mm

4.4 Shell:SUS304 T=0.30mm

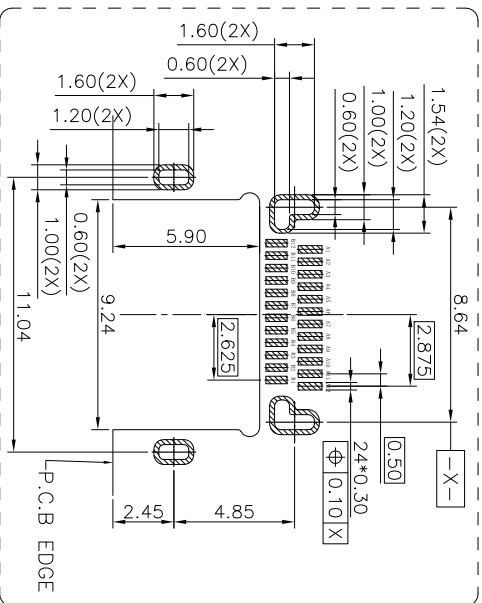
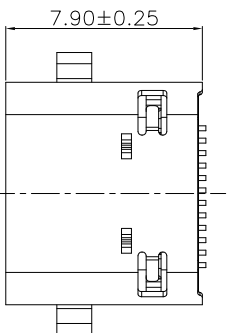
5.0 Plating specification:

5.1 Contact: Au(see table) plated on contact area;

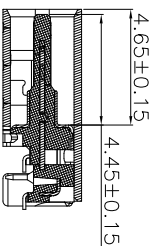
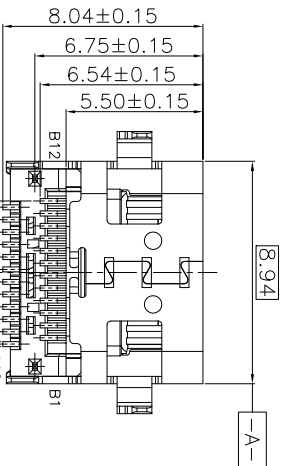
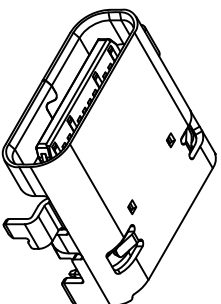
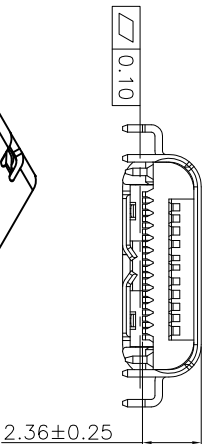
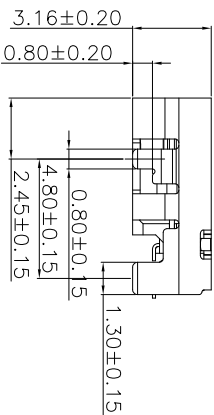
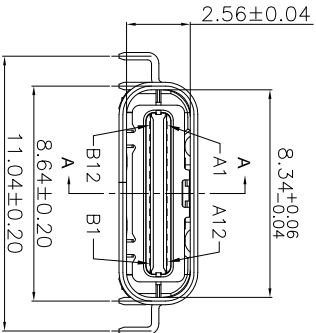
Au plated 0.8u"min on solder area;

Nickel 50u"min underplating over all.

5.2 Shell-out: 30u" min nickel plating.



RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 0.60mm;DEFAULT TOLERANCE:±0.05



SECTION A-A

A1	GND	B12	GND
A2	SSRXp1	B11	SSRXp1
A3	SSTXN1	B10	SSRXN1
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	SSRXN2	B3	SSTXN2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

东 莞 市 兴 科 杰 鑫 电 子 有 限 公 司 Dong Guan XingKeJieXin Electronics Co.,Ltd		APPROVAL		品名 规格		USB4 TYPE C RECEPTACLE 双排SMT 板上:2.36 17.9	
UNLESS OTHERWISE SPECIFIED TOLERANCES		制图 HL.W		2020.11.14		审核	
X, +/- X, +/- FRACTIONS +/- ANGLES +/- DIMENSIONS		核淮		料号		SEE TABLE	
(METRIC)		(MM)		文件位置		DWG-CTCF-078	
ANGLE OF PROJECTION		字张 A4		工程图号:		版本: A0	
比例		1 : 1		状态码		A	
				页 数		1 OF 1	