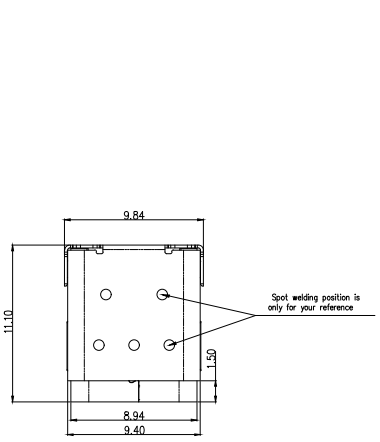
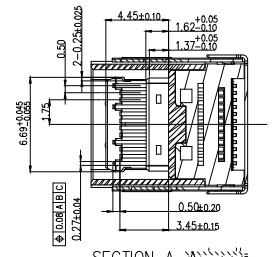
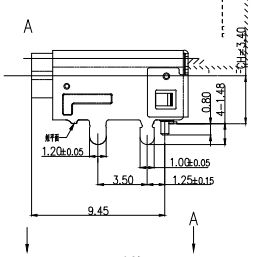
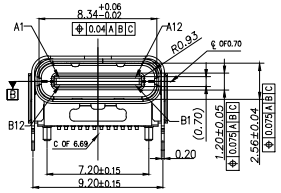
REV	DESCRIPTION	DATE	CHECK	APPROVAL
A0	NEW RELEASE	2024/01/19	MA	PENG

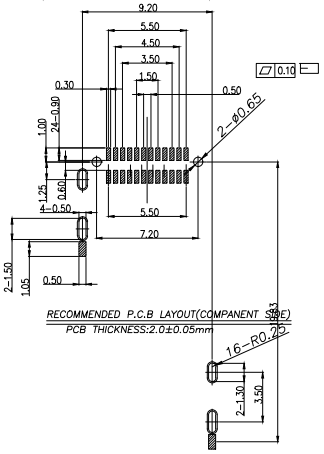


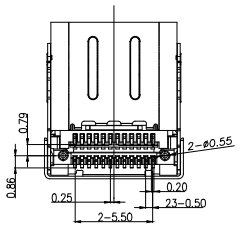


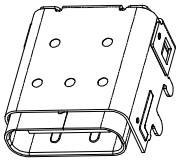
SECTION A→A











MATERIALS

1. HOUSING : LCP (UL 94V-0), BLACK.
2. TERMINAL : COPPER ALLOY,
   GOLD PLATED ON CONTACT AREA.
   GOLD FLASH PLATING ON SOLDER TAIL.
   NICKEL UNDERPLATED OVER ALL.
3. MID PLATE : STAINLESS STEEL.
4. SHELL : STAINLESS STEEL,NICKEL PLATING.

SPECIFICATION

1. CURRENT RATING : 5.0A FOR Vbus PIN,
   1.25A FOR Vconn PIN,
   0.25A FOR OTHER PINS.
2. CONTACT RESISTANCE : 40mΩ.
3. INSULATION RESISTANCE : 100MΩ MIN.
4. DIELECTRIC WITHSTANDING VOLTAGE : 100 VAC MIN.
5. OPERATING TEMPERATURE : -40°C TO +85°C.
6. MATING FORCE : 5~20N.
7. UNMATING FORCE : 8~20N.
8. DURABILITY : 10,000 CYCLES.
9. RECOMMENDED PROCESS :
   THE PEAK TEMPERATURE ON THE BOARD SHALL MAINTAIN 260°C.

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	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

序号	品名	材质	用量	备注
08	外壳	不锈钢	1	SUS 304 1/2H, T0.20 整体镀镍50U
07	内壳	不锈钢	1	SUS 304 1/2H, T0.30 整体镀镍50U
06	二次Molding件	LCP	1	黑色 UL94 V-0
05	Molding件2	LCP	1	黑色 UL94 V-0
04	Molding件1	LCP	1	黑色 UL94 V-0
03	中夹片	SUS301-H T=0.15	1	不电镀
01	端子	C7025-H T=0.12	1set	整体镀镍50U, 功能接触区镀金1U, 焊脚镀雾锡50u"

RoHS Compliant 2002/95/EC

GENERAL TOLERANCE
.X 0.30
.XX 0.20
.XXX 0.10
PROJECT

鸿康科技（东莞）有限公司
Hongkang Technology (Dongguan) Co., Ltd

APPROVAL	CHECK	DRAWN	DATE
PENG	MA	ZHANG	2024/01/19

PART NO.

TITLE.
USB TYPE C 24PIN 双贴加高成品图

UNIT	SCALE	NUMBER	REV
MM	1 : 1	A- 00	A0