



RECOMMENDED PCB LAYOUT (COMPONENT SIDE)

TOLERANCE: ±0.05

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTAp1	B11	SSRxp1
A3	SSTAn1	B10	SSRxn1
A4	Vbus	B9	Vbus
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	Vms	B4	Vms
A10	SSRxp2	B3	SSTxn2
A11	SSRxp2	B2	SSTxp2
A12	GND	B1	GND

REMARKS (备注):

- CONTACT INSERTION AND WITHDRAW FORCE (插拔力):
 - 1.1. Insertion force (插入力): 5N-20N max.
 - 1.2. Withdrawal force (拔出力): 8N-20N.
 - 1.3. Durability (耐久性): 10000 Cycles.
- ELECTRIC PROPERTY (电气性能):
 - 2.1. Contact current rating (额定电流): 5A.
 - 2.2. Dielectric Strength (介电强度): 100V AC (RMS).
 - 2.3. Insulation Resistance (绝缘电阻): 100 megaohms (兆欧) min.
 - 2.4. Contact resistance (接触电阻):
 - 40mOhms MAX. FOR VBUS, GND AND OTHER CONTACT.
 - 50mOhms MAX. AFTER ENVIRONMENT TEST.
- AMBIENT TEMPERATURE (温度环境):
 - 3.1. Operating temperature (制造温度): -55° C to +85° C.
- Marked "ⓧ" should be FAI DIM (标 "ⓧ" 的为重点管控)

ITEM	DESCRIPTION	MATERIAL	REMARKS
6	Outer-Shell	SUS-304 T=0.20mm	Ni: 50U"
5	Shell	SUS-304 T=0.30mm	Ni: 50U"
4	Shrapnel	SUS-304 T=0.12mm	
3	Tatch	SUS-301 T=0.15mm	
2	Terminal	C7025 T=0.15mm	Ni: 50U", Au: G/F, Sn: 60U"
1	Housing	LCP	UL94-0 BLACK

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 母座24P 板上双排SMT L=11.5mm
	CHECKED BY : 马跃	DATE : 2014-02-23	PART NO. : HYCW623-USBC24-115B
UNIT: mm [inch] SCALE: 1:1 SIZE: A4	APPROVED BY : 邱敏	DATE : 2014-02-23	DRAW NO. : HYC-2511121006
			SHEET NO. : 1 OF 1