



RECOMMENDED P.C.B. LAYOUT  
TOLERANCE UNSPECIFIED ±0.05mm

1. Material/Plated
  - 1.1 Housing: High temperature thermoplastic, Black UL 94V-0.
  - 1.2 Terminal: Copper Alloy, Gold Flash Plated At Contact Area, Tin Plated At Soldered Area, Nickel Underplated Overall
  - 1.3 Shell: Stainless steel, Nickel plated
  - 1.4 Shell Plate: Stainless steel, Nickel plated
  - 1.5 Ring: Silicon
2. Electrical Performance
  - 2.1 Rated Voltage: 30V AC
  - 2.2 Rated Current: 5.0A Max.
  - 2.3 Contact Resistance: 30mΩ Max.
  - 2.4 Insulation Resistance: 100MΩ Min.
  - 2.5 Dielectric Strength: 100V AC
3. Mechanical Performance
  - 3.1 Insertion Force: 5-20N
  - 3.2 Withdrawal Force: 6-20N
  - 3.3 Durability: 10000 Cycles
4. Operating Temperature: -25° C To +85° C
5. Waterproof: IPX7

Connector Pin Assignments

A5	CC1	B12	GND
A9	VBUS	B9	VBUS
A12	GND	B1	GND
PIN	SIGNAL NAME	PIN	SIGNAL NAME

DRAWN	Tom	2019-07-23
CHECKED	Ango	2019-07-23
APPROVE	Kevin	2019-07-23

DIMENSION TOLERANCE	
X	±0.35
X.X	±0.25
X.XX	±0.15
X.XXX	±0.10
GENERAL ANGLE: ±3°	
UNIT: mm	

东莞市神久电子科技有限公司 Dongguan Shenjiu Electronic Technology Co., Ltd	
TITLE	USB TYPE-C F 6P WATERPROOF
PART NO.	UCX-032S1A

REV.	DESCRIPTION	ECN NO.	NAME	DATE
A	NEW RELEASE		Tom	2019-07-23
REVISIONS				

SCALE: N/A	SHEET: 1 OF 1
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LEVEL	CXX
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DWG. NO.	
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