



RECOMMENDED P.C.B. LAYOUT  
TOLERANCE UNSPECIFIED  $\pm 0.05\text{mm}$

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:  $30\text{m}\Omega$  Max.
  - 2.4 Insulation Resistance:  $100\text{M}\Omega$  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:  $-25^\circ\text{C}$  To  $+85^\circ\text{C}$
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	
X.X	$\pm 0.35$
X.XX	$\pm 0.25$
X.XXX	$\pm 0.15$
GENERAL ANGLE: $\pm 3^\circ$	
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-033C1A

DWG. NO.:

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

SCALE: N/A SHEET: 1 OF 1

