

RoHS Compliant

REVISIONS			
REV.	DESCRIPTION	DATE	DESIGN

NOTE:

1.MATERIAL:

- 1.1 INSULATOR:PA10T UL94V-0,BLACK
- 1.2 CONTACT:C7025(T=0.25mm)
- 1.3 SHELL:SUS304 (T=0.30mm)

2.ELECTRICAL CHARACTERISTICS;

- 2.1 CONTACT RESISTANCE:30mΩ MAXIMUM
- 2.2 CONTACT CURRENT RATING:1.5A
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE:500 V

R.M.S.

- 2.4 INSULATION RESISTANCE 1000 MEGOHMS MIN
- 2.5 OPERATING TEMPERATURE:-40°C ~ 85°C

3 MECHANICAL CHARACTERISTICS:

- 3.1 MATING FORCE:3.57kg MAX
- 3.2 UNMATED FORCE:1.02kg MIN
- 3.3 DURABILITY:MANDATORY:5,000 CYCLES

4.PLATING

4.1 TERMINAL:

30u" MIN. Ni UNDERPLATED OVERALL
80u"MIN. Tin PLATED ON SOLDER AREA
1u" PLATED ON CONTACT AREA

4.2 SHELL:50u"MIN. Ni PLATED OVERALL

PART NO. INFORMATION

U03-A F X X X T - W001

PORT TYPE A: TYPE A	CONTACT PLATED 1: GOLD FLASH 2: GOLD 3U" 3: GOLD 5U" 4: GOLD 10U" 5: GOLD 15U" 6: GOLD 30U"	PACKAGE R: TAPE REEL T: TRAY	HOUSING COLOR 2: WHITE 5: BLACK 9: NATURE
GENDER F: FEMALE M: MALE		HOUSING MATERIAL A: LCP B: PBT C: PA9T D: PA6T E: PA46 F: PA66 G: PA10T	

Pin #	SIGNAL NAME	DESCRIPTION
1	VBUS	POWER
2	D-	USB 2.0 DIFFERENTIAL PAIR
3	D+	
4	GND	GROUND FOR POWER RETURN
5	StdA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR
6	StdA_SSRX+	
7	GND_DRAIN	GROUND FOR SIGNAL RETURN
8	StdA_SSTX-	SUPERSPEED TRANSMITTER DIFFERENTIAL PAIR
9	StdA_SSTX+	
Shell	Shield	CONNECTOR METAL SHELL

ITEM	PART NAME	Q' TY	FINISH	NOTE
4	Inner Shell	1	SUS 304 Ni 50U"	T=0.30mm
3	PLASTIC Shell	1	PA10T (G.F30%)	
2	Contact	9	C7025 Ni 50U" Au1U" Plating Solder area Sn 80-120U"	T=0.25mm
1	Housing	1	PA10T (G.F30%)	

A

B

C

D

A

B

C

D

Bestcreate Technology Limited

REV: A	UNIT mm	SCALE 1=1	QUALITY SYMBOLS
--------	---------	-----------	-----------------

TOLERANCES UNLESS OTHERWISE SPECIFIED:			
X.	±	0.50	X' ± 2'
.X	±	0.30	.X' ± 1'
.XX	±	0.10	.XX' ± 0.5'
Website:www.bsc-elec.com			
Email:bestcreate@bsc-elec.com			

DESIGN: I. L	DATE: 2017.3.1
CHECKED: C. W	DATE: 2017.3.1
APPROVED: C. W	DATE: 2017.3.1

TITLE: IPX7 USB 3.0 A FEMALE CONNECTOR 9P VERTICAL DIP TYPE		
MATERILA:	PART NO: U03-AFXXXXT-W001	SIZE: A4
FINSH:	DWG NO: U03-AFXXXXT-W001	1 OF 1