

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 R - W003

PORT TYPE A: TYPE A	PACKAGE R: TAPE REEL T: TRAY	HOUSING COLOR 2: WHITE 5: BLACK 9: NATURE
GENDER F: FEMALE M: MALE	CONTACT PLATED 1: GOLD FLASH 2: GOLD 3U" 3: GOLD 5U" 4: GOLD 10U" 5: GOLD 15U" 6: GOLD 30U"	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

5	OUTER Shell	1	SUS 304 Ni 50U"	T=0.20mm
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%)	
ITEM	PART NAME	Q' TY	FINISH	NOTE

Bestcreate Technology Limited

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 2017. 3. 1

CHECKED:

C. W 2017. 3. 1

APPROVED:

C. W 2017. 3. 1

TITLE:

TOP MOUNT IPX7 USB 3.0 A
FEMALE CONNECTOR 9P SMT TYPE

MATERIAL:

U03-AFXXXR-W003

FINISH:

U03-AFXXXR-W003

PART NO:

U03-AFXXXR-W003

DWG NO:

U03-AFXXXR-W003

SIZE:

A4

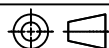
1 OF 1

REV: A

UNIT mm

SCALE 1=1

QUALITY SYMBOLS



1

2

3

4

5

6

7

8