

RoHS Compliant

REVISIONS

REV.	DESCRIPTION	DATE	DESIGN

NOTE:

1.MATERIAL:

- 1.1 INSULATOR:HIGH TEMPERATURE PLASTIC UL 94 V-0;
- 1.2 CONTACT:COPPER ALLOY(T=0.2mm)
- 1.3 SHELL:SUS201(T=0.30mm)

2.ELECTRICAL CHARACTERISTICS;

- 2.1 CONTACT RESISTANCE:30m Max
- 2.2 CONTACT CURRENT RATING:1.5A
- 2.3 DIELECTRIC WITHSTANDING VOLTAGE:500 V R.M.S.
- 2.4 INSULATION RESISTANCE 100 MEGOHMS M
- 2.5 OPERATING TEMPERATURE:-40°C ~ 85°C
- 2.6 RATE VOLTAGE: 30V DC

3 MECHANICAL CHARACTERISTICS:

- 3.1 MATING FORCE:10 N Min INITIAL; 8 N Min AFTER TEST
- 3.2 UNMATED FORCE:35 N Max
- 3.3 DURABILITY:5,000 CYCLES

4.PLATING

- 4.1 TERMINAL CONTACT:GOLD PLATING ALL OVER
50u" MIN NICKEL AND 80u"MIN Matte Tin
NICKEL IN SOLDER AREA(SEE TAB)
- 4.2 SHELL:50u"MIN. NICKEL ALL OVER

PART NO. INFORMATION

U03-A F X A X X -5009

PORT TYPE A: TYPE A	PACKAGE T: TRAY R:TAPE REEL
GENDER F: FEMALE M: MALE	HOUSING COLOR 2: WHITE 5: BLACK 9: BLUE
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

Pin #	SIGNAL NAME	DESCRIPTION	MATING SEQUENCE
1	VBUS	POWER	SECOND
2	D-	USB 2.0 DIFFERENTIAL PAIR	THIRD
3	D+		
4	GND	GROUND FOR POWER RETURN	SECOND
5	StdA_SSRX-	SUPERSPEED RECEIVER DIFFERENTIAL PAIR	LAST
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	FRIST

TOLERANCE: ± 0.05 , THICKNESS: 1.0~1.2mm
RECOMMENDED PCB LAYOUT
(TOP VIEW)
KEEP OUT AREA

Bestcreate Technology Limited

REV: A	UNIT mm	SCALE 1=1	QUALITY SYMBOLS
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
X.	± 0.30	X.*	$\pm 3'$
.X	± 0.20	.X*	$\pm 2'$
.XX	± 0.15	.XX*	$\pm 1'$
Website: www.bsc-elec.com			
E-mail: 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: USB 3.0 沉板2.56 平口		
MATERIA:	PART NO: U03-AFXAXX-5009	SIZE: A4
FINSH:	DWG NO: U03-AFXAXX-5009	SHEET: 1 OF 1