

RoHS Compliant

REVISIONS

REV.	DESCRIPTION	DATE	DESIGN

NOTE:

1.MATERIAL SPECIFICATION:

- 1.HOUSING: PBT
- 2.CONTACTS: COPPER ALLOY(C5191&C2680)
- 3.FRONT SHELL: (C2680&SPCC)
- 4.BACK COVER: PBT

2.PLATING SPECIFICATION:

2-1.TERMINAL:

- Ni 50u" MIN. UNDER PLATED OVER ALL.
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
(GOLD PLATING THICKNESS FOLLOW THE P/N)
PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N

2-2.FRONT SHELL:

- Ni 30u" MIN. UNDER PLATED OVER ALL.

3.MECHANICAL PERFORMANCE,

- 3-1.INSERTION FORCE: 3.5Kgf MAX
- 3-2.REMOVAL FORCE: 1.02kgf MIN
- 3-3.DURABILITY: 1500 CYCLES.

4.ELECTRICAL PERFORMANCE,

4-1.CURRENT RATING:

- VBUS & GND PINS: 1.8A MAX.
OTHER PINS: 0.25A MAX.

4-2. LLCR:

- VBUS & GND PINS AND OTHER PINS: 30mΩ/PIN MAX.
SHIELD: 50mΩ/MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.

4-3.INSULATION RESISTANCE: 100MΩ MIN

4-4.DIELECTRIC WITHSTAND VOLTAGE,DC 100V FOR 1 MINUTE.

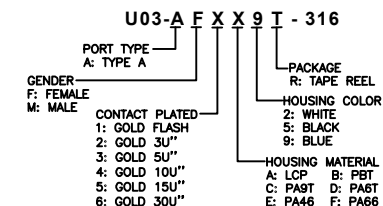
5. ENVIRONMENTAL PERFORMANCE:

- OPERATING TEMPERATURE: -25°C~+85°C.

TABLE 1

5	U03-AF6A9T-316	PBT BLUE	Au:30u"	Sn	Au
4	U03-AF5A9T-316	PBT BLUE	Au:15u"	Sn	Au
3	U03-AF4A9T-316	PBT BLUE	Au:10u"	Sn	Ni
2	U03-AF2A9T-316	PBT BLUE	Au:3u"	Sn	Ni
1	U03-AF1A9T-316	PBT BLUE	Au:1u"	Sn	Ni
ITEM	P/N	HOUSING COLOR	FUNCTIONAL AREA TERMINAL	SOLDER AREA	SHELL PLATING

PART NO. INFORMATION



USB 3.0 PIN ASSIGNMENTS

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

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	± 0.30	X.*	± 10°
.XX	± 0.20	.X°	± 8°
.XXX	± 0.15	.XX°	± 5°

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 A FEMALE CONNECTOR SOLDER TYPE

MATERILA:

PART NO:
U03-AFXA9T-316

SIZE:
A4

FINSH:

DWG NO:
U03-AFXA9T-316

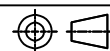
SHEET:
1 OF 2

REV:
A

UNIT
mm

SCALE
1=1

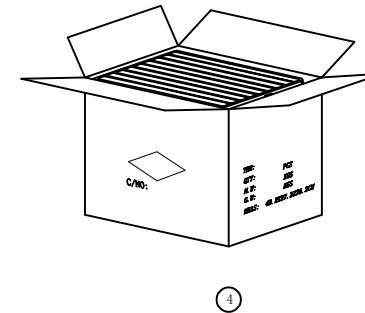
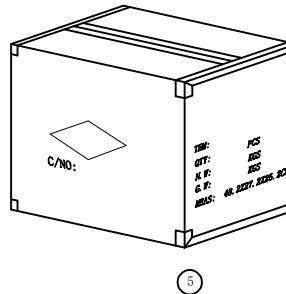
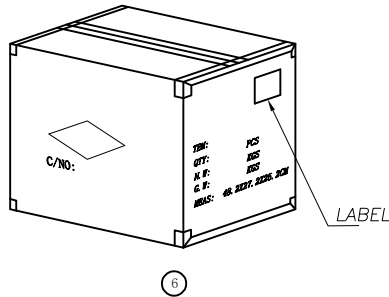
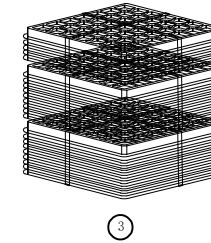
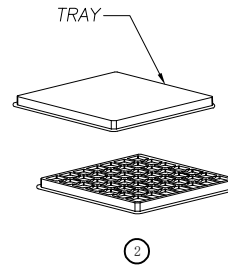
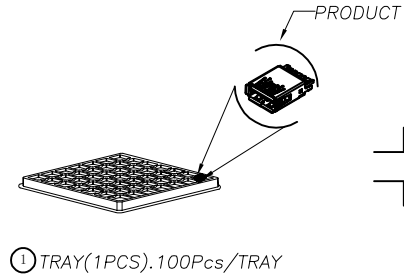
QUALITY
SYMBOLS



RoHS Compliant

REVISIONS

REV.	DESCRIPTION	DATE	DESIGN



CONNECTOR (PCS)	REEL/TRAY	CARTON
	100	5000

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	± 0.30	X.*	± 10°
.XX	± 0.20	.X.*	± 8°
.XXX	± 0.15	.XX.*	± 5°

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 A FEMALE CONNECTOR SOLDER TYPE

MATERILA: PART NO: U03-AFXA9T-316 SIZE: A4

FINSH: DWG NO: U03-AFXA9T-316 SHEET: 2 OF 2

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