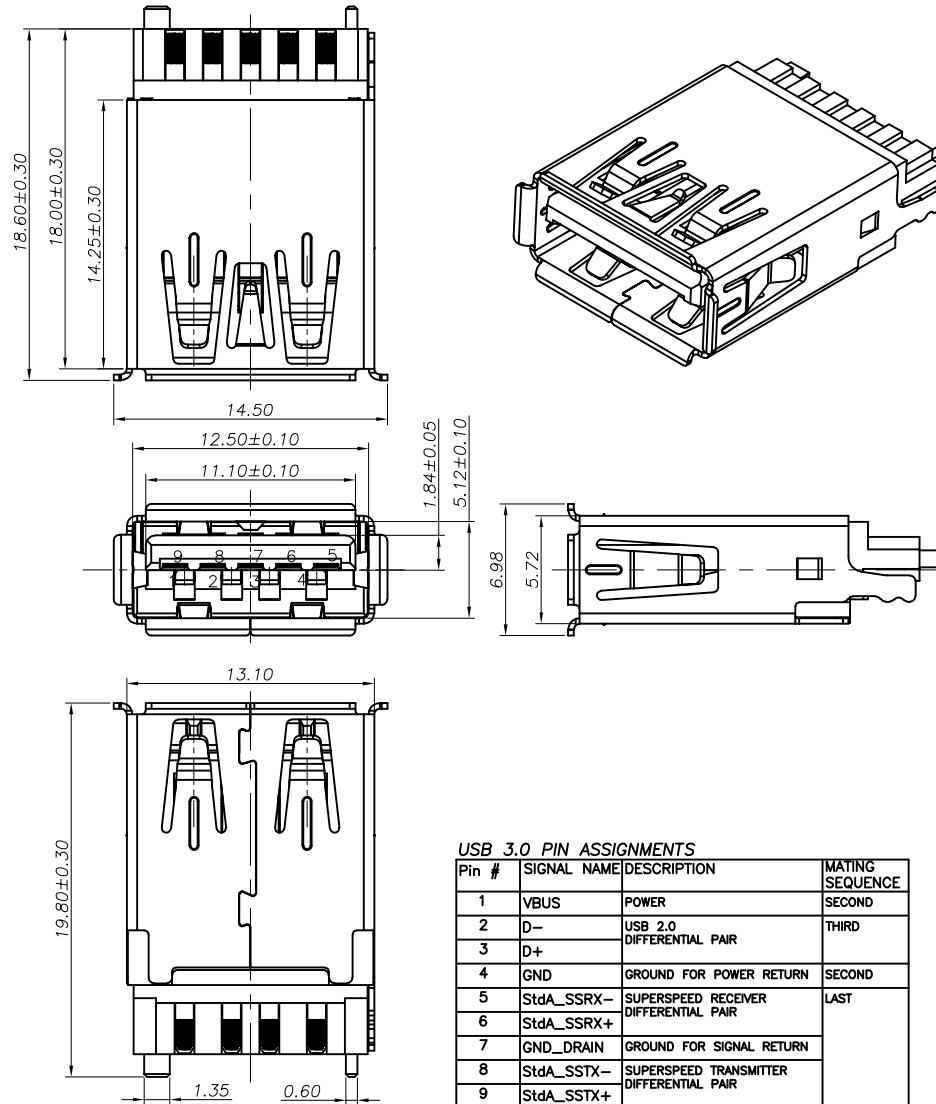


RoHS Compliant

REVISIONS			
REV.	DESCRIPTION	DATE	DESIGN



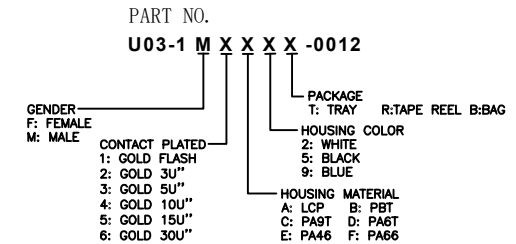
USB 3.0 PIN ASSIGNMENTS

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

- NOTE:
- MATERIAL SPECIFICATION:
 - HOUSING: PBT
 - CONTACTS: COPPER ALLOY(C5191&C2680)
 - FRONT SHELL: (C2680&SPCC)
 - BACK COVER: PBT
 - PLATING SPECIFICATION:
 - TERMINAL:
 - Ni 50u" MIN. UNDER PLATED OVER ALL.
 - Au PLATED ON THE FUNCTIONAL AREA OF CONTACT. (GOLD PLATING THICKNESS FOLLOW THE P/N)
 - FRONT SHELL:
 - Ni 30u" MIN. UNDER PLATED OVER ALL.
 - MECHANICAL PERFORMANCE,
 - INSERTION FORCE: 3.5Kgf MAX
 - REMOVAL FORCE: 1.02kgf MIN
 - DURABILITY: 1500 CYCLES.
 - ELECTRICAL PERFORMANCE,
 - CURRENT RATING:
 - VBUS & GND PINS: 1.8A MAX.
 - OTHER PINS: 0.25A MAX.
 - LLCR:
 - VBUS & GND PINS AND OTHER PINS: 30mΩ/PIN MAX.
 - SHIELD: 50mΩ/MAX.
 - LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
 - INSULATION RESISTANCE: 100MΩ MIN
 - DIELECTRIC WITHSTAND VOLTAGE,DC 100V FOR 1 MINUTE.
 - ENVIRONMENTAL PERFORMANCE:
 - OPERATING TEMPERATURE: -25°C~+85°C.

TABLE 1

ITEM	P/N	HOUSING COLOR	FUNCTIONAL AREA	SOLDER AREA TERMINAL	SHELL PLATING
5	U03-1M6B9X-0012	PBT BLUE	Au:30u"	Sn	Au
4	U03-1M5B9X-0012	PBT BLUE	Au:15u"	Sn	Au
3	U03-1M4B9X-0012	PBT BLUE	Au:10u"	Sn	Ni
2	U03-1M2B9X-0012	PBT BLUE	Au:3u"	Sn	Ni
1	U03-1M1B9X-0012	PBT BLUE	Au:1u"	Sn	Ni



Bestcreate Technology Limited

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 MALE CONNECTOR SOLDER TYPE

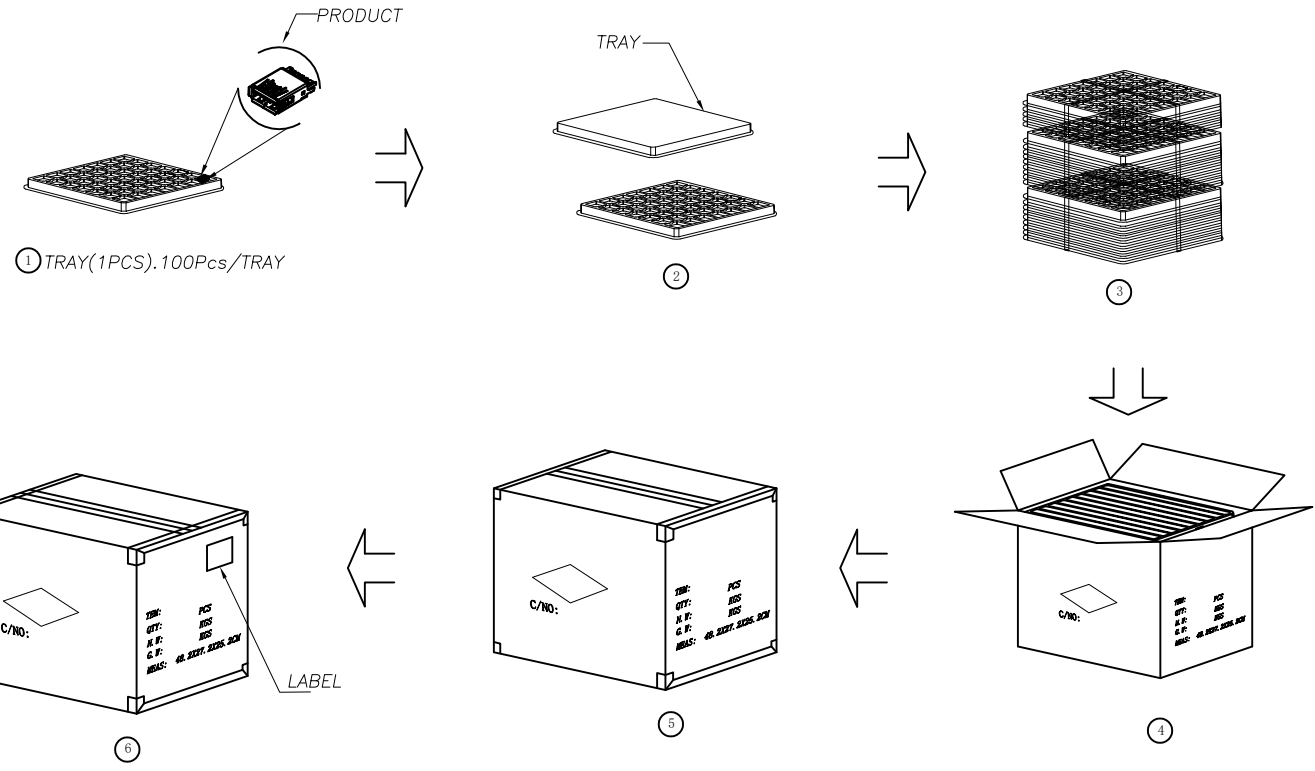
MATERILA: FINSH: PART NO: U03-1MXAXX-0012 SHEET: A4

DWG NO: U03-1MXAXX-0012 SHEET: 1 OF 2

REV: A UNIT mm SCALE 1=1 QUALITY SYMBOLS

RoHS Compliant

REVISIONS			
REV.	DESCRIPTION	DATE	DESIGN



	REEL/TRAY	CARTON
CONNECTOR (PCS)	100	5000

Bestcreate Technology Limited

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 MALE CONNECTOR SOLDER TYPE		
MATERILA:	PART NO: U03-1MXAXX-0012	SIZE: A4
FINSH:	DWG NO: U03-1MXAXX-0012	SHEET: 2 OF 2

REV: A	UNIT mm	SCALE 1=1	QUALITY SYMBOLS
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