

RoHS Compliant

REVISIONS			
REV.	DESCRIPTION	DATE	DESIGN

NOTE:  
 1.MATERIAL SPECIFICATION:  
 1.HOUSING:LCP&PA9T  
 2.CONTACTS: COPPER ALLOY(C5191)  
 3.FRONT SHELL: STAINLESS STEEL(SUS201)  
 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.  
 6.IR REFLOW:  
 THE PEAK TEMPERATURE ON THE BOARD SHALL  
 BE MAINTAINED FOR 10 SECONDS AT 260°C.

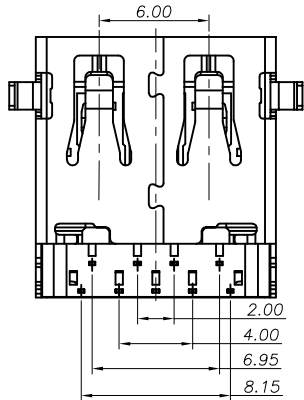
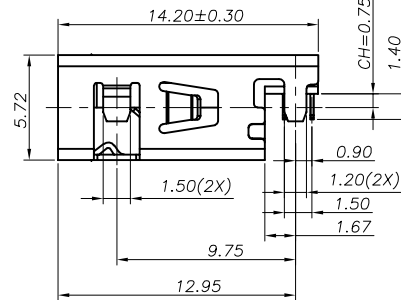
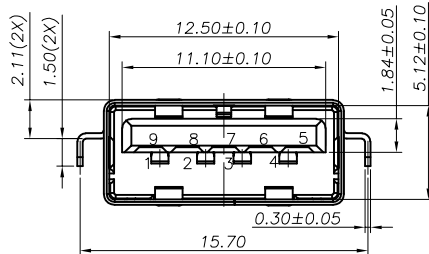
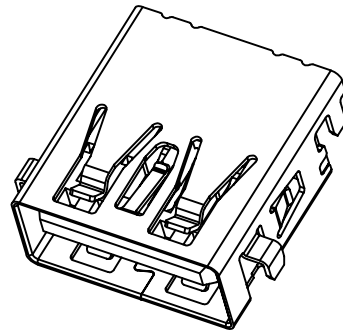
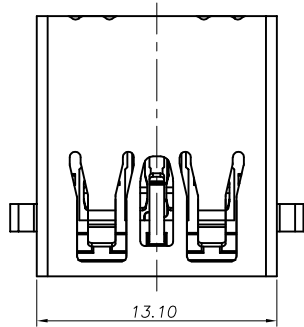
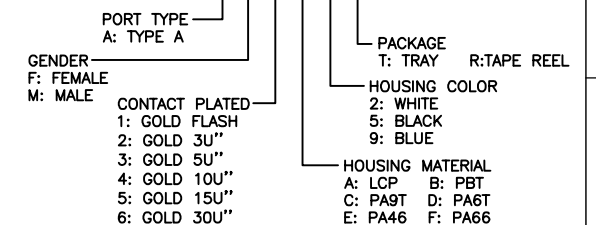


TABLE:

4	U03-AFXA2X0-5025	LCP White	Au:1u"	Sn	Ni
3	U03-AFXA9X0-5025	LCP BLUE	Au:1u"	Sn	Ni
2	U03-AFXC9X0-5025	PA9T BLUE	Au:1u"	Sn	Ni
1	U03-AFXA5X0-5025	LCP BLACK	Au:1u"	Sn	Ni
ITEM	P/N	HOUSING COLOR	FUNCTIONAL AREA	SOLDER AREA	SHELL PLATING

PART NO. INFORMATION

U03-A F X X X X -5025



**Bestcreate Technology Limited**

TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.	± 0.30	X'	± 10'
.X	± 0.20	.X'	± 8'
.XX	± 0.10	.XX'	± 5'

DESIGN: I. L DATE: 2017. 3. 1

CHECKED: C. W DATE: 2017. 3. 1

APPROVED: C. W DATE: 2017. 3. 1

TITLE: MID MOUNT 2.11 USB 3.0 A/F CONNECTOR

MATERILA: FINSH: PART NO: U03-AFXAXX-5025 SIZE: A4

DWG NO: U03-AFXAXX-5025 SHEET: 1 OF 3

Website: www.bsc-elec.com  
 E-mail: bestcreate@bsc-elec.com

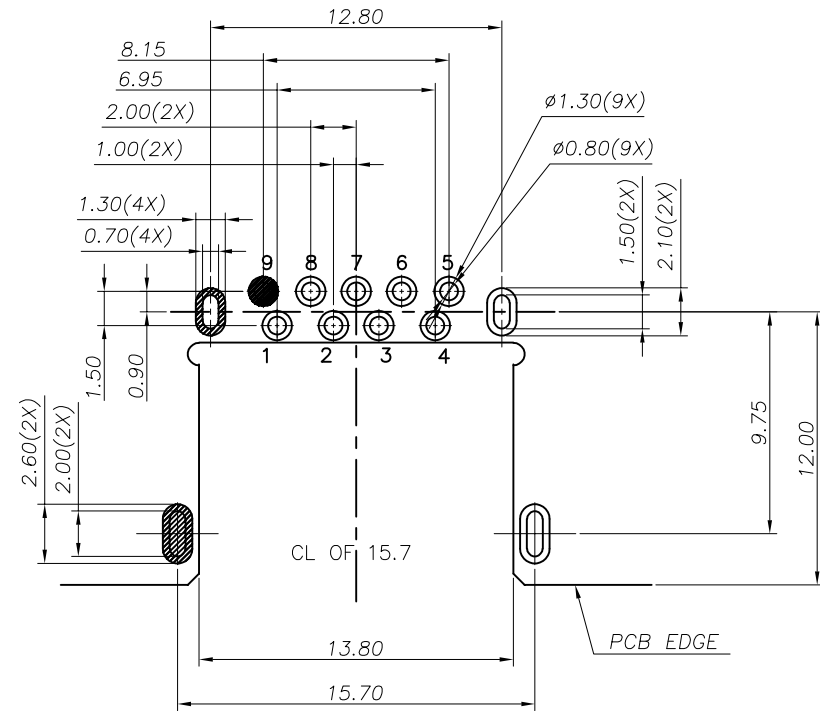
REV: A UNIT: mm SCALE: 1=1 QUALITY SYMBOLS:

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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



RECOMMENDED PCB LAYOUT(TOP VIEW)  
 DEFAULT TOLERANCE:±0.05

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.X	± 0.20	.X'	± 2'
.XX	± 0.15	.XX'	± 1'

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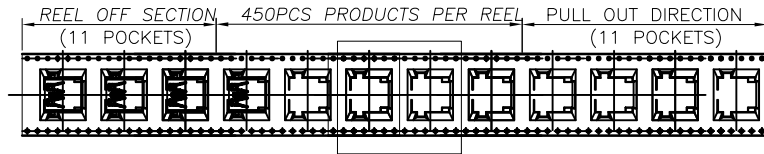
MATERILA: PART NO: U03-AFXAXX-5025  
 SIZE: A4

FINSH: DWG NO: U03-AFXAXX-5025  
 SHEET: 2 OF 3

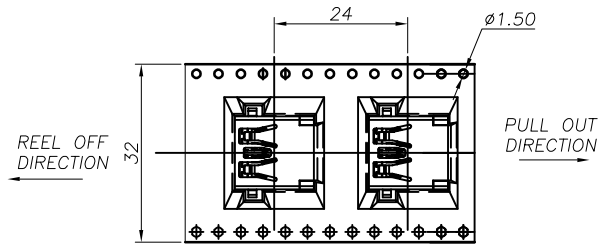
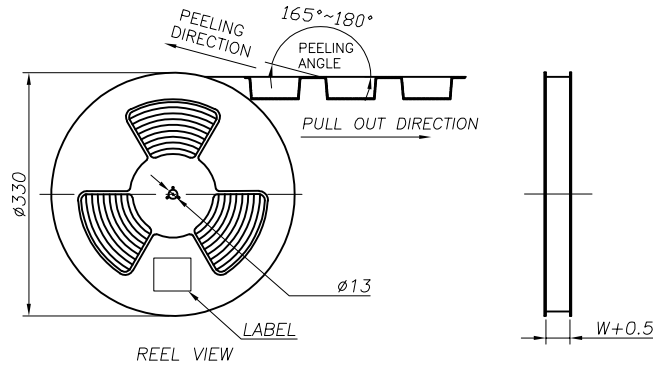
REV: A UNIT mm SCALE 1=1 QUALITY SYMBOLS

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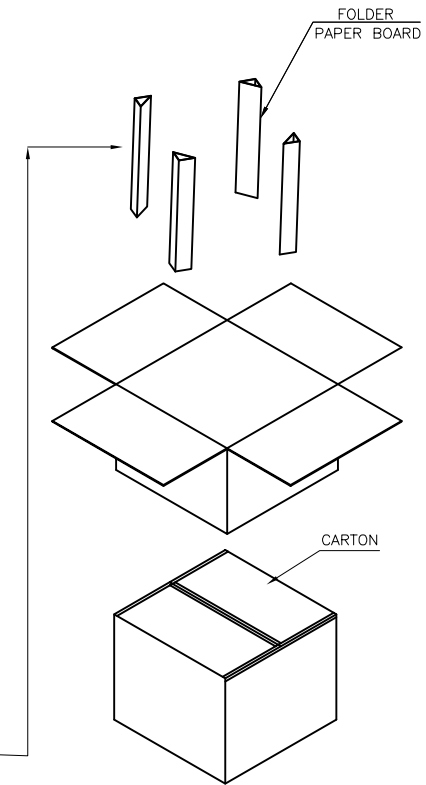
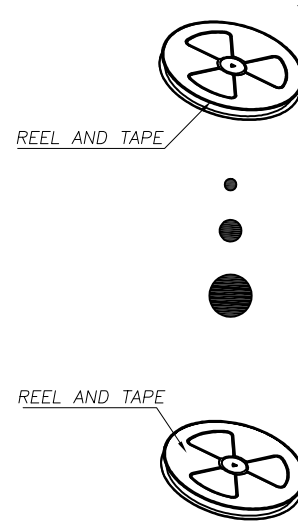
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SEE DETAIL X



DETAIL X  
SCALE 2:1



	REEL/TRAY	CARTON
CONNECTOR (PCS)	450	3600

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SIZE: A4

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SHEET: 3 OF 3

REV: A UNIT mm SCALE 1=1 QUALITY SYMBOLS