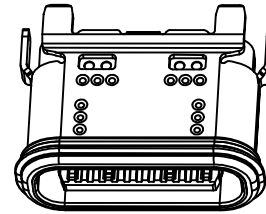
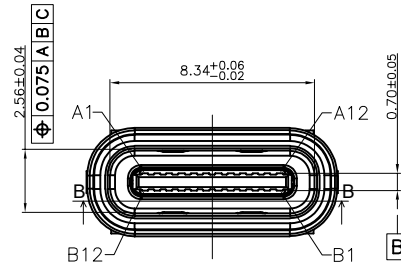
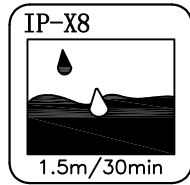
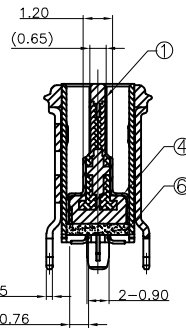


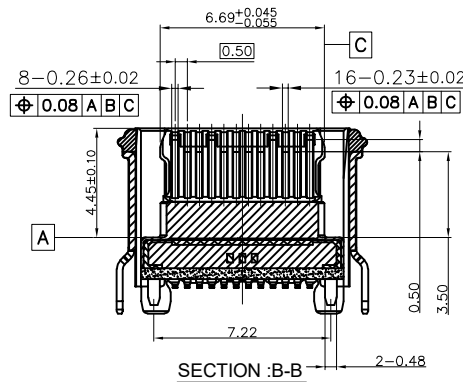
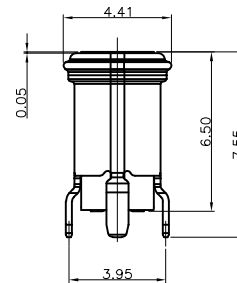
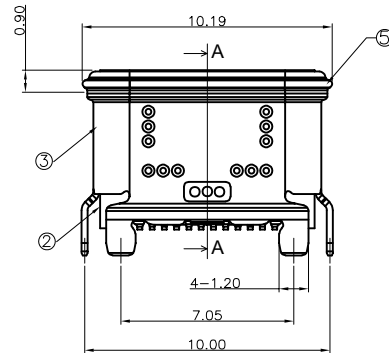
RoHS Compliant



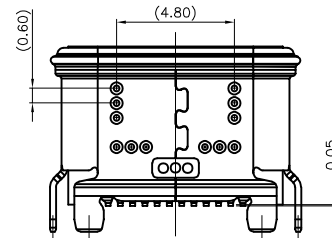
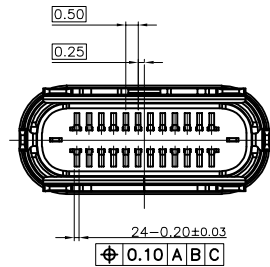
3D VIEW



SECTION :A-A



SECTION :B-B



SPECIFICATION:

1. Material & Finish: See the list

2. Mechanical:

2.1. Mating force: 5-20N

2.2. Unmating force: Initial: 8-20N; Final: 6-20N

2.3. Durability: 10000 Cycles

3. Electrical:

3.1. Current Rating:

VBus Pins: 5A, Vconn Pin: 1.25A, Other Pins: 0.25A

3.2. Voltage Rating: 30V Max.;

3.3. Dielectric Withstanding voltage: 100Vac, 60S, 10mA

3.4. Contact resistance: 40m Ohms Max.;

3.5. Insulation Resistance: 100M Ohms Min.

4. Environmental:

4.1. Operating temperature: -40°C ~ +85°C;

4.2. Salt Spray Test: 48H Min. (No oxidation or rust)

4.3. Wetting Temperature: 265±5°C, 5±0.5s

4.5. Waterproof Level: IPX8

PART NO. INFORMATION

U06-C F X X 5 R - W192

GENDER F: FEMALE M: MALE	PORT TYPE C: TYPE C	CONTACT PLATED 1: GOLD FLASH 2: GOLD 30" 3: GOLD 50" 4: GOLD 100" 5: GOLD 150" 6: GOLD 300"	PACKAGE R: TAPE REEL	HOUSING COLOR 2: WHITE 5: BLACK 9: NATURE	HOUSING MATERIAL A: LCP B: PBT C: PA9T D: PA6T E: PA46 F: PA66 G: PA10T

6	GLUE	EPOXY RESIN	COLOR: BLACK	g
5	LIM. RING	SILICA GEL	NA	1 PCS
4	EMC	SUS 316L, T=0.12mm	CLEAN	1 PCS
3	OUT SHELL	SUS 304-H, T=0.25mm	50u" NICKEL PLATED	1 PCS
2	INNER SHELL	SUS 316L, T=0.20mm	NO PLATING	1 PCS
1	INSERT MD	MID PLATE, SUS 301-H, T=0.15mm	NO PLATING	SET
		CONTACT: C18400, T=0.12mm	AU/NICKEL PLATED	
		PLASTIC: PA46	COLOR: BLACK, UL94V_0	
NO.	NAME	MATERIAL	REMARKS	QTY

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.	±	0.35	X.*	±	4'
.X	±	0.30	.X.*	±	3'
.XX	±	0.25	.XX.*	±	2'

Website: www.bsc-elec.com

Email: bestcreate@bsc-elec.com

DESIGN:
I. L

DATE:
2018. 7. 7

CHECKED:
C. W

DATE:
2018. 7. 7

APPROVED:
C. W

DATE:
2018. 7. 7

TITLE:

IPX8 24P WATERPROOF USB C FEMALE CONNECTOR VERTICAL SMT, H6.5MM

MATERIAL:

PART NO:

U06-CFXX5R-W192

SIZE:

A4

FINISH:

DWG NO:

U06-CFXX5R-W192

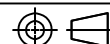
1 OF 3

REV:
A

UNIT
mm

SCALE
1=1

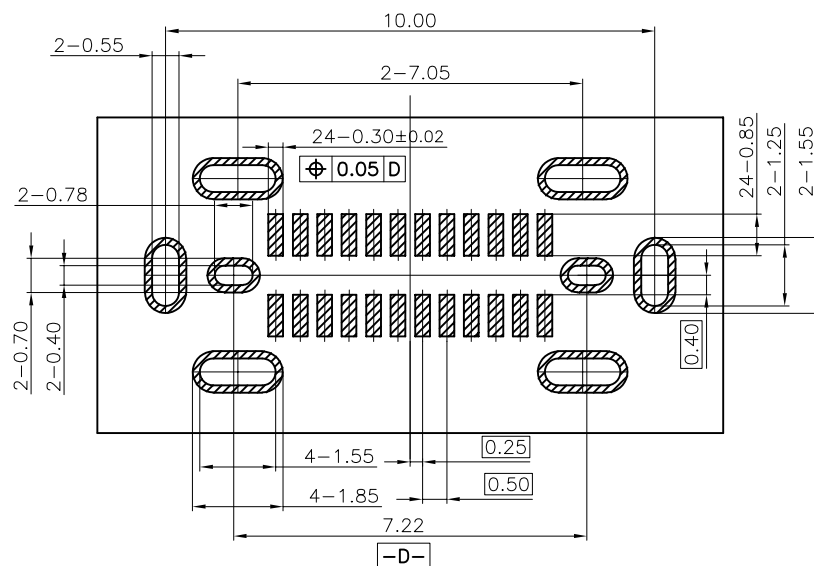
QUALITY
SYMBOLS



RoHS Compliant

REVISIONS

REV.	DESCRIPTION	DATE	DESIGN



RECOMMENDED PCB LAYOUT (SCALE 2:1)

TOLERANCE UNSPECIFIED $\pm 0.05\text{mm}$

PIN	Signal Name	Description	PIN	Signal Name	Description
A1	GND	Ground return	B12	GND	Ground return
A2	SSTXp1	Positive half of first SuperSpeed TX differential pair	B11	SSRXp1	Positive half of first SuperSpeed RX differential pair
A3	SSTXn1	Negative half of first SuperSpeed TX differential pair	B10	SSRXn1	Negative half of first SuperSpeed RX differential pair
A4	VBUS	Bus Power	B9	VBUS	Bus Power
A5	CC1	Configuration Channel	B8	SBU2	Sideband Use (SBU)
A6	Dp1	Positive half of the USB 2.0 differential pair-Position 1	B7	Dn2	Negative half of the USB 2.0 differential pair-Position 2
A7	Dn1	Negative half of the USB 2.0 differential pair-Position 1	B6	Dp2	Positive half of the USB 2.0 differential pair-Position 2
A8	SBU1	Sideband Use (SBU)	B5	CC2	Configuration Channel
A9	VBUS	Bus Power	B4	VBUS	Bus Power
A10	SSRXn2	Negative half of second SuperSpeed RX differential pair	B3	SSTXn2	Negative half of second SuperSpeed TX differential pair
A11	SSRXp2	Positive half of second SuperSpeed RX differential pair	B2	SSTXp2	Positive half of second SuperSpeed TX differential pair
A12	GND	Ground return	B1	GND	Ground return

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

$\bar{X} \pm 0.35$	$\bar{X}' \pm 4'$
$\bar{X} \pm 0.30$	$\bar{X}' \pm 3'$
$\bar{X} \pm 0.25$	$\bar{X}' \pm 2'$

DESIGN:
I, L

DATE:
2018.7.7

CHECKED:

DATE:
2018. 7. 7

APPROVED:
C. W

DATE:
2018. 7. 7

TITLE:

IPX8 24P WATERPROOF USB C FEMALE CONNECTOR VERTICAL
SMT,H6.5MM

MATERILA:

PART NO:	U06-CFXX5R-W192
----------	-----------------

SIZE:	A4
-------	----

FINSH:	
--------	--

DWG NO:	500
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U06-CFXX5R-W192

2 OF 3

REV: A

2

3

4

5

6

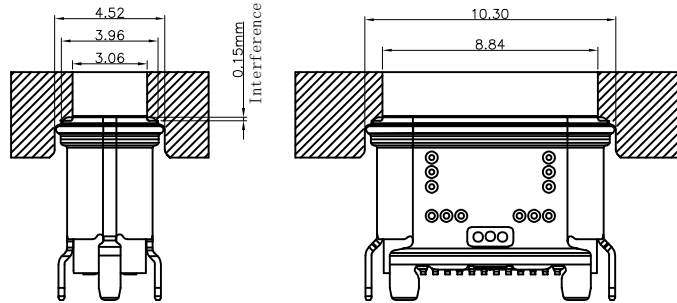
7

8

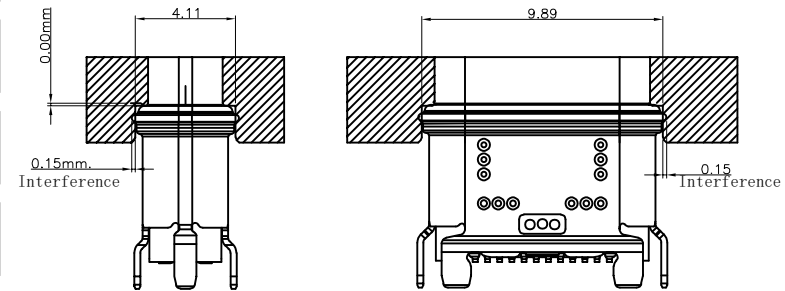
RoHS Compliant

REVISIONS

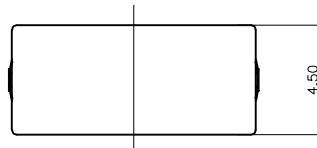
REV.	DESCRIPTION	DATE	DESIGN



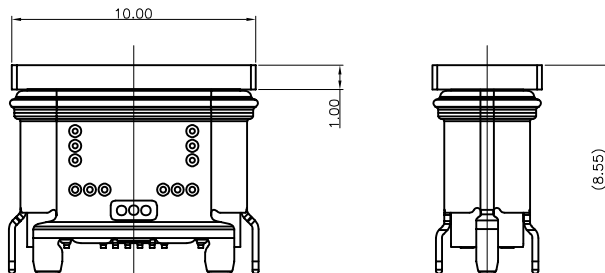
RECOMMENDED CAVITY "1" SIZE



RECOMMENDED CAVITY "2" SIZE



WITH PICK CAP



Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.	±	0.35	X."	±	4"
.X	±	0.30	.X"	±	3"
.XX	±	0.25	.XX"	±	2"

Website:www.bsc-elec.com

Email:bestcreate@bsc-elec.com

DESIGN:

I. L

DATE:

2018. 7. 7

CHECKED:

C. W

DATE:

2018. 7. 7

APPROVED:

C. W

DATE:

2018. 7. 7

TITLE:

IPX8 24P WATERPROOF USB C FEMALE CONNECTOR VERTICAL
SMT,H6.5MM

MATERILA:

PART NO:

U06-CFXX5R-W192

SIZE:

A4

FINSH:

DWG NO:

U06-CFXX5R-W192

2 OF 3

REV:
A

UNIT
mm

SCALE
1=1

QUALITY
SYMBOLS

