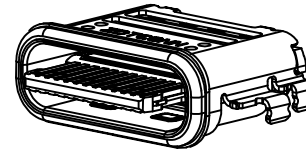
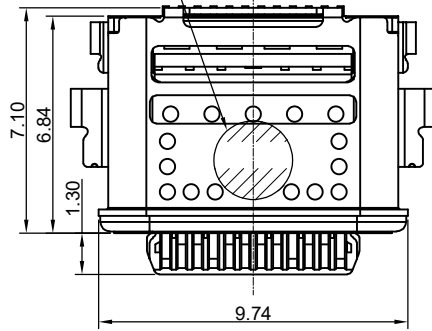
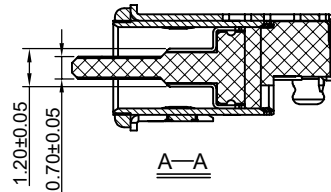
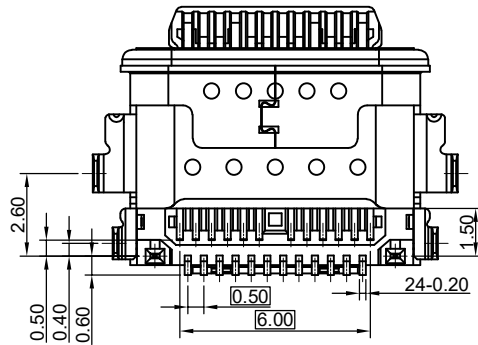
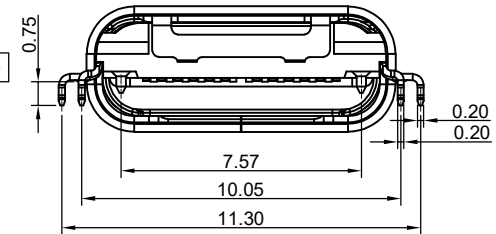
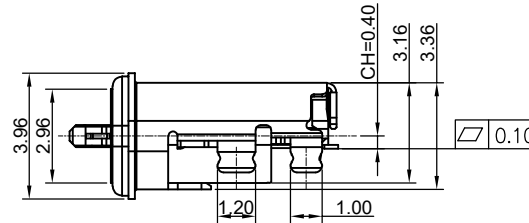
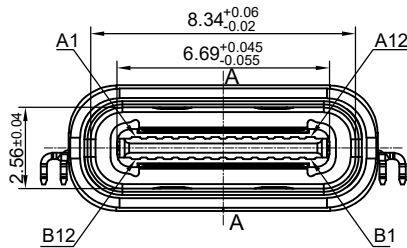


RoHS Compliant

(Ø2.50)Pick an place



3D VIEW



PART NO. INFORMATION

U06-C F X X 5 R - W201	
GENDER F: FEMALE M: MALE	PORT TYPE C: TYPE C
	PACKAGE R: TAPE REEL
CONTACT PLATED 1: GOLD FLASH 2: GOLD 30" 3: GOLD 50" 4: GOLD 100" 5: GOLD 150" 6: GOLD 300"	HOUSING COLOR 2: WHITE 5: BLACK 9: NATURE
	HOUSING MATERIAL A: LCP B: PBT C: PA9T D: PA6T E: PA46 F: PA66 G: PA10T

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	±	0.30	X:	±	10°
.XX	±	0.25	.X:	±	8°
.XXX	±	0.10	.XX:	±	5°

Website:www.bsc-elec.com

Email:bestcreate@bsc-elec.com

DESIGN:
I. L

DATE:
2026. 05. 09

CHECKED:
C. W

DATE:
2026. 05. 09

APPROVED:
C. W

DATE:
2026. 05. 09

TITLE:

IP68 WATERPROOF 24P USB C FEMALE CONNECTOR MID MOUNT CH=0.40

MATERILA:

PART NO:
U06-CFXX5R-W201

SIZE:
A4

FINSH:

DWG NO:
U06-CFXX5R-W201

1 OF 3

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

1

2

3

4

5

6

7

8

RoHS Compliant

REV.

DESCRIPTION

DATE

DESIGN

A

机壳面板对密封UV胶压缩量0.30mm Min

0.30

0.15

机壳面板对密封UV胶压缩量0.15mm Min

PCB

组装面板后公母头对插示意图

机壳面板

密封UV胶

PCB

前后组装方式

R0.10

4.16±0.03

3.16±0.03

2.56±0.03

2.95

0.30

(1.50)

8.34±0.03

8.94±0.03

9.94±0.03

建议机壳开孔尺寸

7	GLUE	1PCS	环氧胶	黑色
6	OUTER SHELL	1PCS	STAINLESS STEEL SUS304	NI PLATED
5	EMI	1PCS	STAINLESS STEEL SUS316	-----
4	MID PLATE	1PCS	STAINLESS STEEL SUS301	NI PLATED
3	CONTACT	24PCS	COPPER ALLOY C7025	AU PLATED ON CONTACT AREA AU PLATED ON SOLDER AREA; NICKEL UNDER PLATING OVER ALL.
2	MAIN SHELL	1PCS	STAINLESS STEEL SUS316	-----
1	HOUSING	1PCS	HIGH TEMPERATURE PLASTIC PA9T	UL94V-0 BLACK
NO.	DESCRIPTION	QTY	MATERIAL	REMARKS

Bestcreate Technology Limited

REV: A

UNIT mm

SCALE 1=1

QUALITY SYMBOLS

TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X ± 0.30

.XX ± 0.25

.XXX ± 0.10

X.* ± 10°

.X* ± 8°

.X* ± 5°

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TITLE: IP68 WATERPROOF 24P USB C FEMALE CONNECTOR MID MOUNT CH=0.40

MATERILA:

PART NO: U06-CFXX5R-W201

SIZE: A4

FINSH:

DWG NO: U06-CFXX5R-W201

2 OF 3

1

2

3

4

5

6

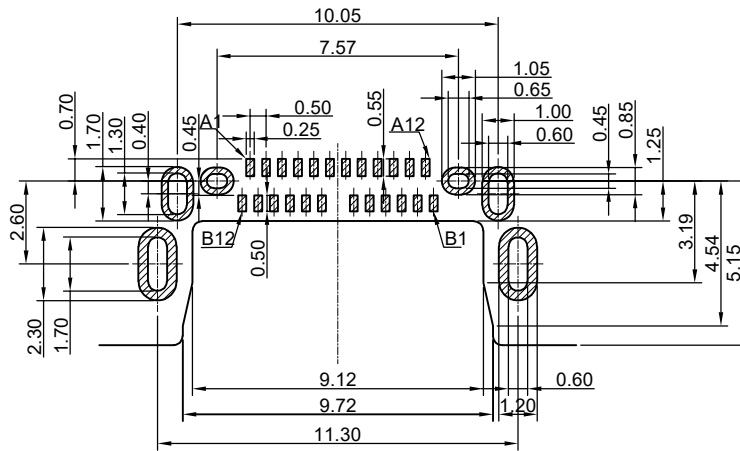
7

8

RoHS Compliant

REVISIONS

REV.	DESCRIPTION	DATE	DESIGN



RECOMMEND P.C.B LAYOUT
TOLERANCE UNSPECIFIED $\pm 0.05\text{MM}$

SPECIFICATIONS:

1.ELECTRICAL PERFORMANCE

1-1. CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;

1.25AMPS FOR CC PIN,
0.25 AMPS. FOR ALL OTHER CONTACT

1-2. VOLTAGE RATING:20V DC/AC

1-3. CONTACT RESISTANCE: 40m Ω MAX INITIAL
50m Ω MAX AFTER TEST

1-4.DIELECTRIC WITHSTANDING VOLTAGE: 100V AC

1-5.INSULATION RESISTANCE:100M Ω MIN

2.MECHANICAL PERFORMANCE

2-1.INSERTION FORCE: 5~20N

2-2.EXTRACTION FORCE: 8~20N

2-3.DURABILITY: 10000 CYCLES

3.ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -40°C~+85°C

4.IR REFLOW:

THE PEAK TEMPERATURE ON THE BOARD SHALL
BE MAINTAINED FOR 10 SECONDS AT 260°C

5.COMPLIANCE WITH ROHS&HF REQUIREMENTS

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSRXp1
A3	SSTXn1	B10	SSRXn1
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A10	SSRXn2	B3	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

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.X	$\pm$	0.30	X.	$\pm$	10°
.XX	$\pm$	0.25	.X°	$\pm$	8°
.XXX	$\pm$	0.10	.XX°	$\pm$	5°

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MATERILA:	PART NO: U06-CFXX5R-W201	SIZE: A4
FINSH:	DWG NO: U06-CFXX5R-W201	3 OF 3