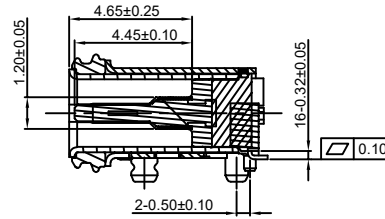
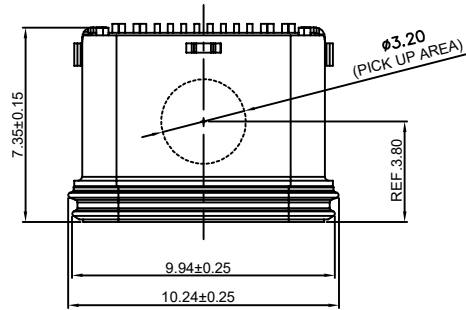
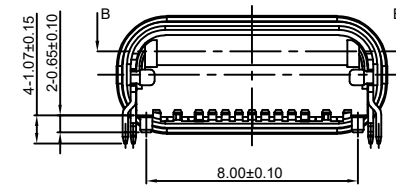
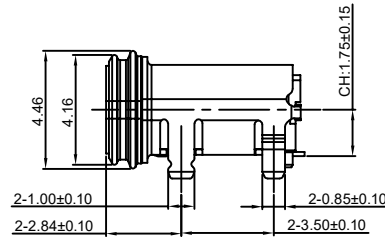
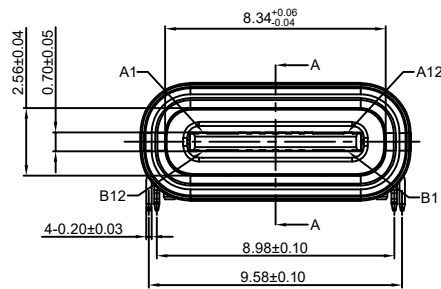
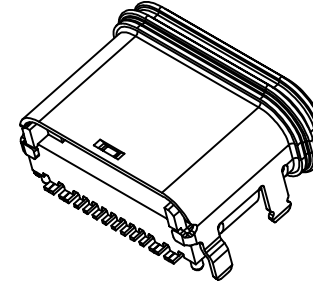


RoHS Compliant

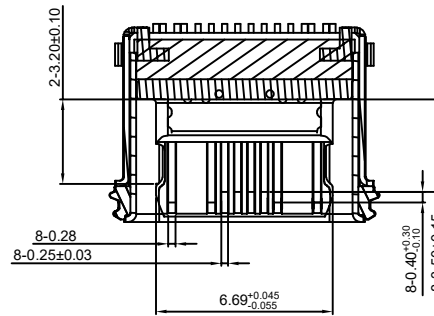
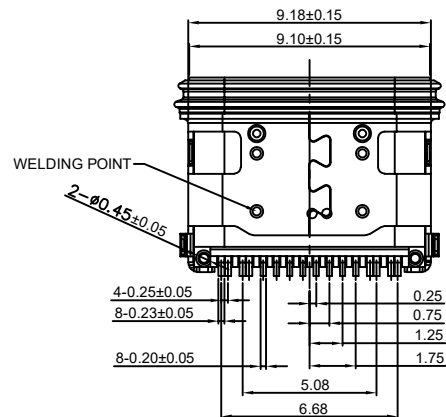


SECTION A-A SCALE 1:1



PART NO. INFORMATION

U06-C F X X 5 R - W202			
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



SECTION B-B SCALE 1:1

7	O-RING	1PCS	SILICONE BLACK	---
6	GLUE	1PCS	EPOXY BLACK	---
5	EMI	1PCS	STAINLESS STEEL T=0.25MM	---
4	MID PLATE	1PCS	STAINLESS STEEL T=0.15MM	---
3	CONTACT	16PCS	COPPER ALLOY T=0.15MM	AU PLATED ON CONTACT AREA GF PLATED ON SOLDER AREA; NICKEL UNDER PLATING OVER ALL
2	SHELL	1PCS	STAINLESS STEEL T=0.25MM	NI PLATED
1	HOUSING	1PCS	HIGH TEMPERATURE PLASTIC PA9T	UL94V-0 BLACK
NO.	DESCRIPTION	QTY	MATERIAL	REMARKS

Bestcreate Technology Limited

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: IP67 WATERPROOF 16P USB C FEMALE CONNECTOR TOP MOUNT L=7.35

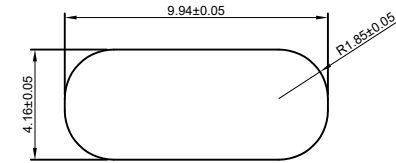
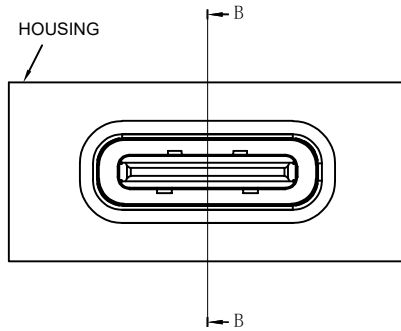
MATERILA:	PART NO: U06-CFXX5R-W202	SIZE: A4
FINSH:	DWG NO: U06-CFXX5R-W201	1 OF 3

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

REVISIONS

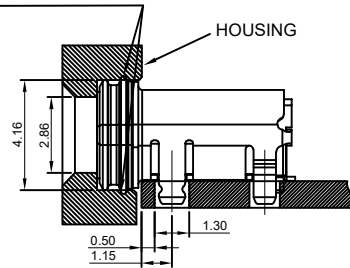
REV.	DESCRIPTION	DATE	DESIGN



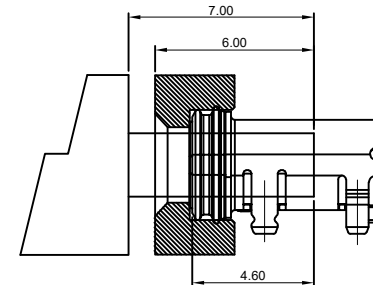
HOLE SIZE REFERENCE

The minimum interference between the the shell and the rubber ring is 0.15 per side

RECOMMENDED OPENING DIMENSIONS
OF CASE MATING AREA WITH SEALING RING

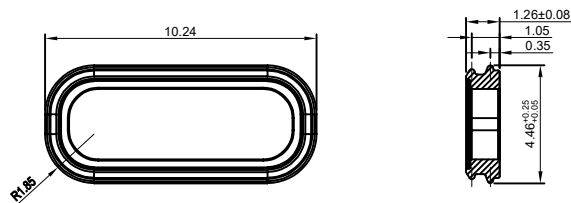


SECTION: B-B



MALE AND FEMALE INSERTION DEPTH PARAMETER

RUBBER RING USE REFERENCE SIZE



Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	±	0.30	X.	±	10'
.XX	±	0.25	.X'	±	8'
.XXX	±	0.10	.XX'	±	5'

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TITLE:

IP67 WATERPROOF 16P USB C FEMALE CONNECTOR TOP MOUNT L=7.35

MATERILA:

PART NO:
U06-CFXX5R-W201

SIZE:
A4

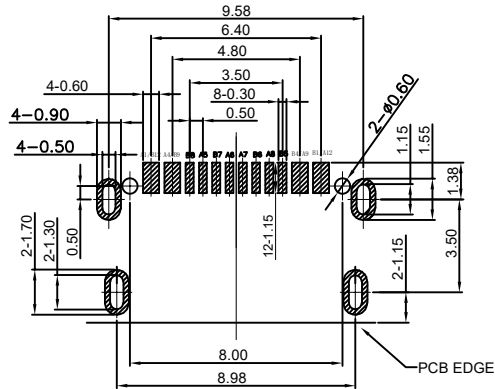
FINSH:

DWG NO:
U06-CFXX5R-W201

2 OF 3

REV: A UNIT mm SCALE 1=1 QUALITY SYMBOLS

RoHS Compliant



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

USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2		B11	
A3		B10	
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		B3	
A11		B2	
A12	GND	B1	GND

SPECIFICATIONS:

1.ELECTRICAL PERFORMANCE

- 1-1. CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;
0.5AMPS 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: -25°C~+85°C

4.IR REFLOW:

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

5.WATERPROOF:IP67

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

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IP67 WATERPROOF 16P USB C FEMALE CONNECTOR TOP MOUNT L=7.35

MATERILA:

PART NO:
U06-CFXX5R-W201

SIZE:
A4

FINSH:

DWG NO:
U06-CFXX5R-W201

3 OF 3

REV: A UNIT mm SCALE 1=1 QUALITY SYMBOLS