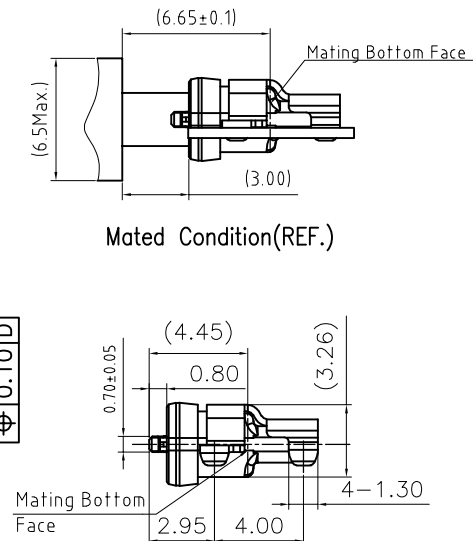
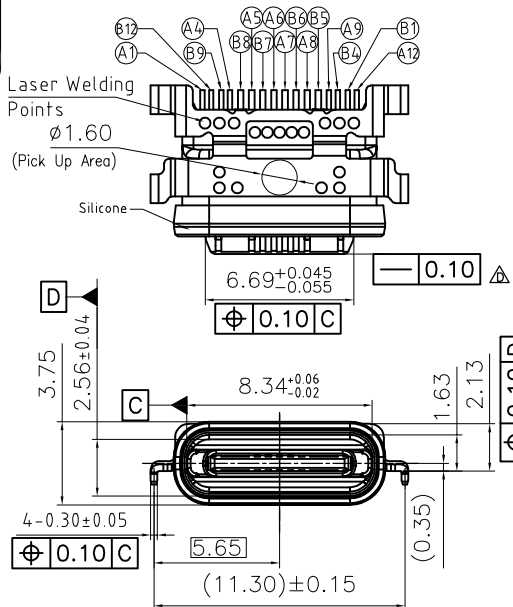
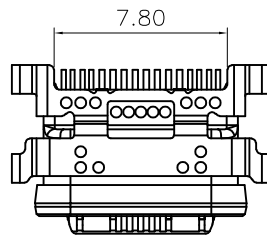
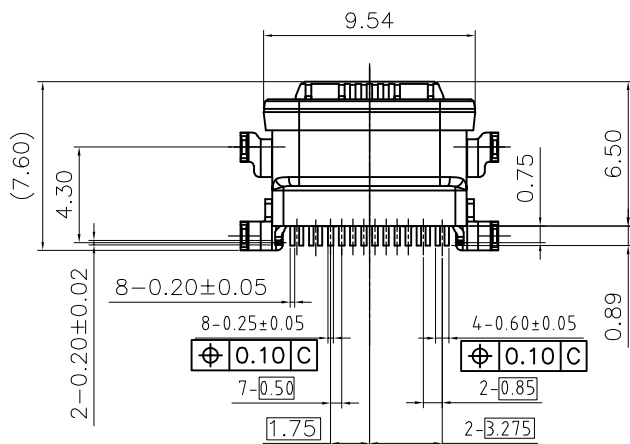


RoHS Compliant

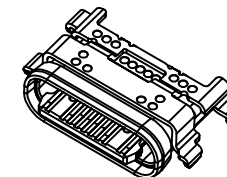


Mated Condition(REF.)

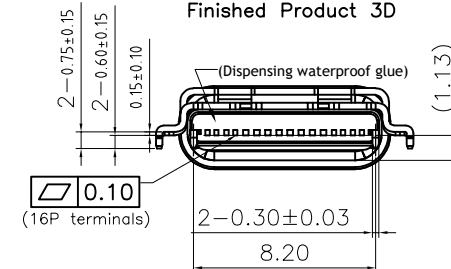


REVISIONS

REV.	DESCRIPTION	DATE	DESIGN



Finished Product 3D



PRAT NO.

1	U06-CF2A5R-W173	Au 3u"	TAPE & REEL
2	U06-CF2A5R-W173-1	Au 3u"	TAPE & REEL+Vacuum packaging
NO.	PART NO.	Contact Area Plating	PACKING

PART NO. INFORMATION

U06-C F X X 5 R - W173

GENDER: F: FEMALE M: MALE	PORT TYPE C: TYPE C	CONTACT PLATED 1: GOLD FLASH 2: GOLD 3U" 3: GOLD 5U" 4: GOLD 10U" 5: GOLD 15U" 6: GOLD 30U"	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
---------------------------------	------------------------	---	-------------------------	--	---

TABLE:

H	LIM	1	Silicone Hardness 60A	UL94V-0, BLACK
G	GLUE	1	Silicone	UL94V-0
F	OUTER SHELL	1	Stainless Steel, SUS304 T=0.30	OVER ALL: 50u" Min NI UNDERPLATED SOLDER TAIL: G/F Au PLATED
E	INNER SHELL	1	Stainless Steel, SUS316L T=0.20	CLEAN
D	SOLDER-PLATE	1	Stainless Steel, SUS304 T=0.15	CLEAN
C	HOUSING	1	High-Temp Plastics PA9T	UL94V-0, Color: Black
B	MID-PLATE	1	Stainless Steel, SUS301 T=0.20	OVER ALL: 50u" Min NI UNDERPLATED
A	CONTACTS	16	Copper Alloy C18400 T=0.25mm	CONTACT AREA: Au 3u" Min SOLDER TAIL: G/F OVER ALL: 50u" Min NI UNDERPLATED
ITEM	NAME	Q'TY	MATERIAC	FINISH

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.	± 0.20	X.*	± 5"
.XX	± 0.15	.X*	± 2"
.XXX	± 0.10	.XX*	± 1"

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:

IPX7 16P WATERPROOF USB C FEMALE CONNECTOR MID MOUNT
1.13MM, EXPOSED TONGUE 0.8MM

MATERIAL:

PART NO:
U06-CFXX5R-W173

SIZE:
A4

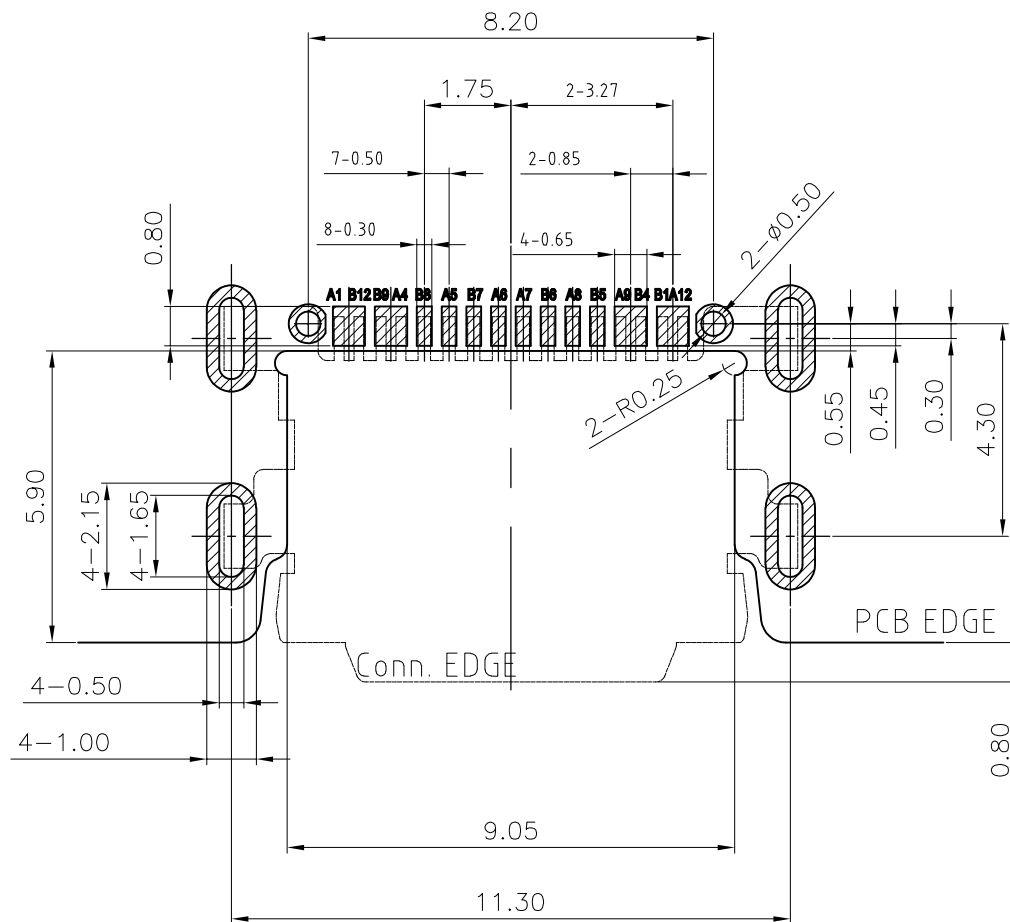
FINISH:

DWG NO:
U06-CFXX5R-W173

1 OF 3

REV: A UNIT mm SCALE 1=1 QUALITY SYMBOLS

RoHS Compliant



RECOMMENDED PCB LAYOUT

TOLERANCE: ± 0.05

STENCIL THICKNESS: 0.12mm

SCALE: 2:1

NOTES:

- ELECTRICAL CHARACTERISTICS;
1.1 CONTACT CURRENT RATING: 5A
1.2 CONTACT RATED VOLTAGE: 5V/20V DC;
1.3 CONTACT RESISTANCE;
INITIAL: 40mohm Max. AFTER:
 $\Delta < 10\text{mohm}$
1.4 INSULATION RESISTANCE: 100Mohm Min;
1.5 WITHSTANDING STRENGTH: 100V AC FOR 1 MINUTE;
- MECHANICAL CHARACTERISTICS;
2.1 INSERTION FORCE: INITIAL 6-20N ; AFTER 5-20N;
2.2 EXTRACTION FORCE: INITIAL 8-20N; AFTER 6-20N;
2.3 DURABILITY: 10000 CYCLES
- RoHS OR HF COMPLIANT
- ENVIRONMENTAL PERFORMANCE:
OPERATING TEMPERATURE: $-20^{\circ}\text{C} \sim +85^{\circ}\text{C}$.
- RECOMMENDED PROCESS:
THE PEAK TEMPERATURE ON THE BOARD
SHALL MAINTAIN 10 ± 1 SECONDS AT $260 \pm 5^{\circ}\text{C}$.
- Waterproof Level: IPX7

PIN DEFINITION:

PIN No.	A1			A4	A5	A6	A7	A8	A9			A12
SIGNAL NAME	GND			VBus	CC1	D+	D-	SBU1	VBus			GND
PIN No.	B12			B9	B8	B7	B6	B5	B4			B1
SIGNAL NAME	GND			VBus	SBU2	D-	D+	CC2	VBus			GND

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.	$\pm$	0.20	X.*	$\pm$	5°
.XX	$\pm$	0.15	.X*	$\pm$	2°
.XXX	$\pm$	0.10	.XX*	$\pm$	1°

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:

IPX7 16P WATERPROOF USB C FEMALE CONNECTOR
MID MOUNT 1.13MM, EXPOSED TONGUE 0.8MM

MATERIAL:

PART NO:

U06-CFXX5R-W173

SIZE:

A4

FINISH:

DWG NO:

U06-CFXX5R-W173

2 OF 3

REV:

A

UNIT

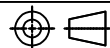
mm

SCALE

1=1

QUALITY

SYMBOLS



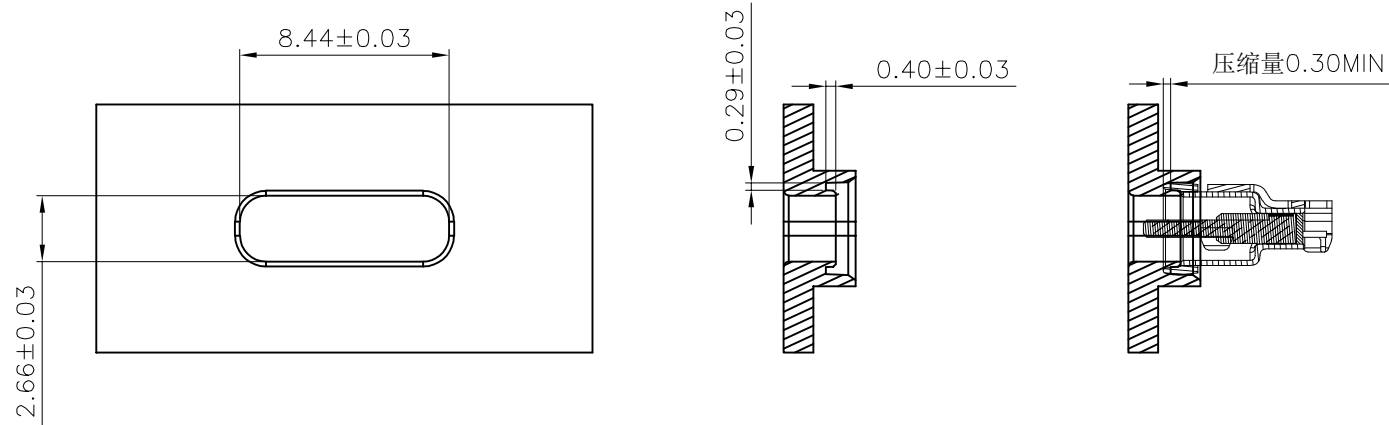
RoHS Compliant



REVISIONS

REV.	DESCRIPTION	DATE	DESIGN

Recommended sealing method



Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.	±	0.20	X.*	±	5°
.XX	±	0.15	.X°	±	2°
.XXX	±	0.10	.XX°	±	1°

Website: www.bsc-elec.com
Email: bestcreate@bsc-elec.com

DESIGN:
I. L

DATE:
2018. 7. 7

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2018. 7. 7

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IPX7 16P WATERPROOF USB C FEMALE CONNECTOR
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MATERIAL:

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U06-CFXX5R-W173

SIZE:
A4

FINISH:

DWG NO:
U06-CFXX5R-W173

3 OF 3