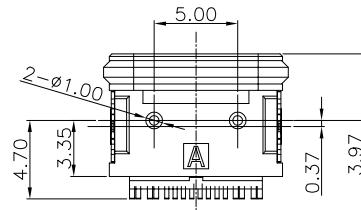
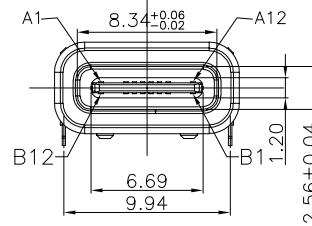
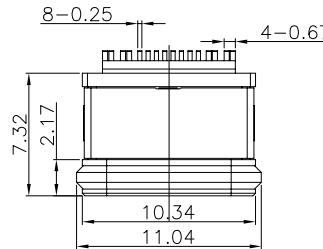


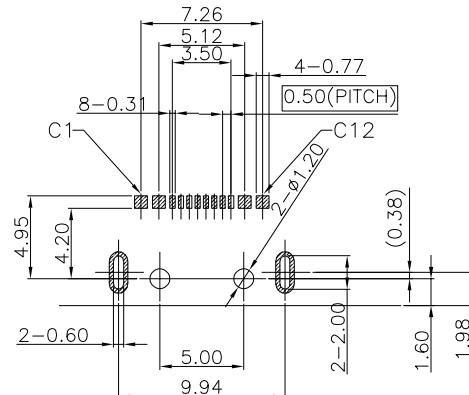
1 2 3 4 5 6 7 8

RoHS Compliant

NOTES:
 1. MATERIAL: SEE "TABLE 1";
 2. FINISH: SEE "TABLE 1";

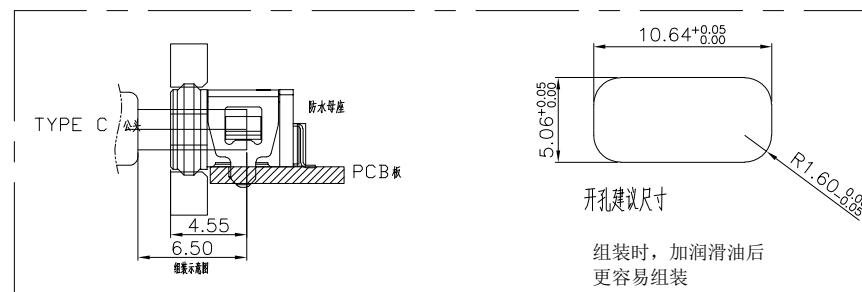
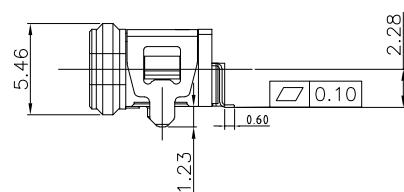
3. ELECTRICAL :
 3-1.CONTACT CURRENT RATING :
 5A(VBUS PIN 1.5A/PIN),
 5A(GND PIN 1.25A/PIN MAX),0.25A/PIN(OTHER PIN).
 3-2.INSULATION RESISTANCE :
 100 MEGAOMHS MIN. AT 250VDC.
 3-3.DIEELECTRIC WITHSTANDING VOLTAGE :
 100VAC MIN.
 3-4.LOW LEVEL CONTACT RESISTANCE :
 INITIAL 40mΩ MAX.
 AFTER 50mΩ MAX.
- 4.MECHANICAL CHARACTERISTICS :
 4-1. MATING FORCE: 5~20N;
 4-2. UNMATING FORCE: 8~20N(INITIAL),6~20N(AFTER 5000 CYCLES);
 4-3.DURABILITY : 5,000 MATING CYCLES.
 4-4.OPERATING TEMPERATURE : -40°C TO +80°C

REVISIONS			
REV.	DESCRIPTION	DATE	DESIGN



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS T=1.0mm
 DEFAULT TOLERANCE +/-0.05



INTERFACE(FRONT VIEW)

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	DP1	DN1	SBU1	VBUS		GND	
GND			VBUS	SBU2	DN2	DP2	CC2	VBUS		GND	

TABLE 1:

⑥	Shell-2	1	Stainless steel	NI PLATING;	T=0.20mm
⑤	Shell-1	1	Stainless steel	NI PLATING;	T=0.25mm
④	MID PLATE	1	Stainless steel		T=0.15mm
③	Terminal-B	8	Au:3u" PLATING;		T=0.15mm
②	Terminal-A	8	Au:3u" PLATING;		T=0.15mm
①	Housing	1	HIGH TEMP	Black	
NO.	PART NAME	QTY	MATERIAL	DESCRIPTION	REMARK

PIN ASSIGNMENT

PIN NO.	A1&B12	A4&B9	B8	A5	B7	A6	A7	B6	A8	B5	A9&B4	A12&B1
SIGNAL NAME	GND	VBUS	SBU2	CC1	DN2	DP1	DN1	DP2	SBU1	CC2	VBUS	GND
PCB PAD NO.	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12

Bestcreate Technology Limited

REV: A UNIT mm SCALE 1=1 QUALITY SYMBOLS



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

TOLERANCES UNLESS OTHERWISE SPECIFIED:

X. ± 0.50	X. * ± 5°
.X. ± 0.30	.X. * ± 2°
.XX. ± 0.10	.XX. * ± 1°

DESIGN: I.L

CHECKED: C.W

APPROVED: C.W

FINSH:

TITLE: IPX8 WATERPROOF 16P USB C FEMALE CONNECTOR SMT TYPE

MATERIAL: PART NO: U06-CFXX5R-W121 SIZE: A4

DWG NO: U06-CFXX5R-W121 1 OF 1

1 2 3 4 5 6 7 8