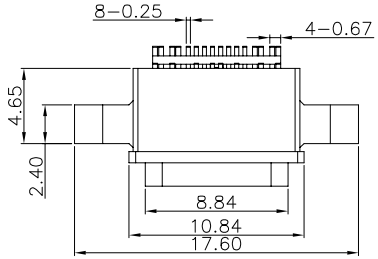
RoHS Compliant

REVISIONS			
REV.	DESCRIPTION	DATE	DESIGN

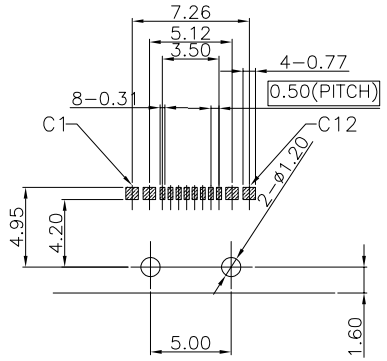


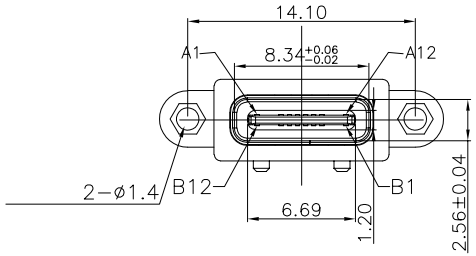
INTERFACE(FRONT VIEW)

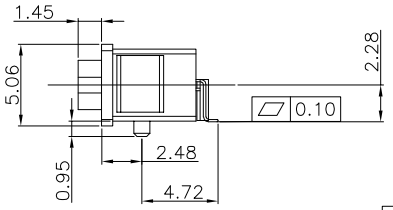
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	DP1	DN1	SBU1	VBUS			GND
GND			VBUS	SBU2	DN2	DP2	CC2	VBUS			GND
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1

PIN ASSIGNMENT

PIN NO.	A1&B12	A4&B9	B8	A5	B7	A6	A7	B6	A8	B5	A9&B4	A12&B1
SINGAL 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







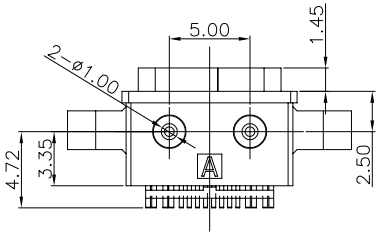
RECOMMENDED PCB LAYOUT(TOP VIEW)

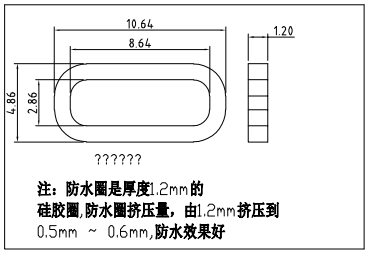
THICKNESS T=1.0mm
DEFAULT TOLERANCE+/−0.05

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

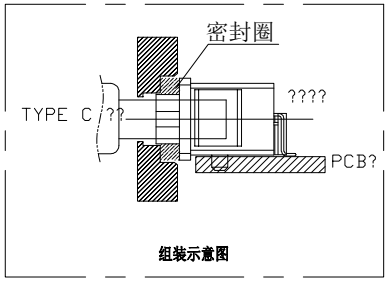
3. ELECTRICAL :
   3−1.CONTACT CURRENT RATING :
   5A(VBUS PIN 1.5A/PIN),
   5A(GND PIN 1.25A/PIN MAX),0.25A/PIN(OTHER PIN).
   3−2.INSULATION RESISTANCE :
   100 MEGAOHMS MIN. AT 250VDC.
   3−3.DIEELECTRIC WITHSTANDING VOLTAGE :
   100VAC MIN.
   3−4.LOW LEVEL CONTACT RESISTANCE :
   INITIAL 40mΩ MAX.
   AFTER 50mΩ MAX.

4.MECHANICAL CHARACTERISTICS :
   4−1. MATING FORCE: 5~20N.
   4−2. UNMATING FORCE: 8~20N(INITIAL),6~20N(AFTER 10000 CYCLES);
   4−3.DURABILITY : 10,000 MATING CYCLES.
   4−4.OPERATING TEMPERATURE :−40°C TO +80°C





注：防水圈是厚度1.2mm的
硅胶圈,防水圈挤压量，由1.2mm挤压到
0.5mm ~ 0.6mm,防水效果好



组装示意图

PART NO. INFORMATION

U06-C F X X 5 R - W167

- PORT TYPE: C: TYPE C
- GENDER: F: FEMALE, M: MALE
- CONTACT PLATED: 1: GOLD FLASH; 2: GOLD 3U"; 3: GOLD 5U"; 4: GOLD 10U"; 5: GOLD 15U"; 6: GOLD 30U"
- HOUSING MATERIAL: A: LCP B: PBT C: PA9T D: PA6T E: PA46 F: PA66
- HOUSING COLOR: 2: WHITE; 5: BLACK; 9: NATURE
- PACKAGE: R: TAPE REEL

TABLE 1:

NO.	PART NAME	QTY	MATERIAL	DESCRIPTION	REMARK
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	铜镍硅合金	Au:3u" PLATING;	T=0.15mm
②	Terminal−A	8		Au:3u" PLATING;	T=0.15mm
①	Housing	1	HIGH TEMP	Black	

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

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

DESIGN: I.L DATE:
CHECKED: C.W DATE:
APPROVED: C.W DATE:

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

MATERILA:
PART NO: U06−CFXX5R−W167
SIZE: A4
FINSH:
DWG NO: U06−CFXX5R−W167

REV:	UNIT	SCALE	QUALITY SYMBOLS
A	mm	1=1	