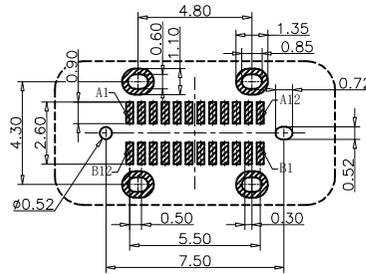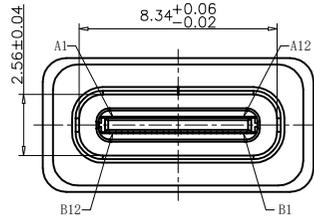# RoHS Compliant

IP-X6

8.34 +0.06 -0.02
2.56±0.04
A1 — A12
B12 — B1

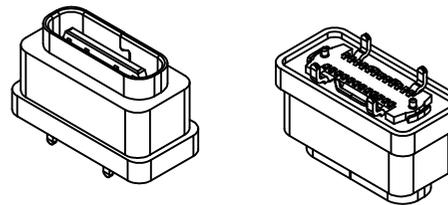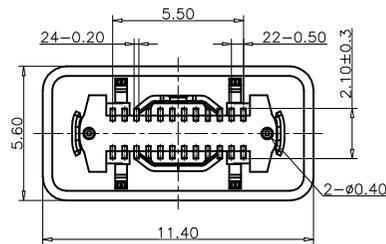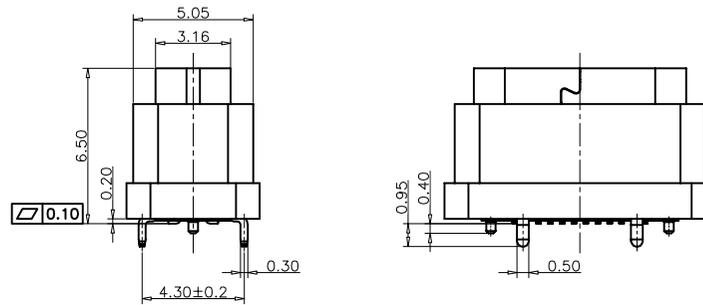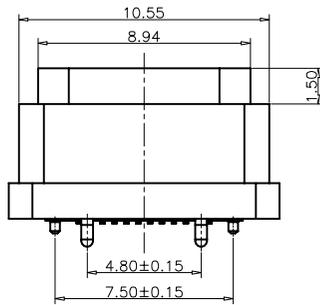RECOMMEND P.C.B LAYOUT(COMPONENT SIDE)
TOLERANCE FOR PCB LAYOUT IS ±0.05

4.80
0.60
1.10
0.90
1.35
0.85
0.72
A1 — A12
2.60
4.30
B12 — B1
Ø0.52
0.50
0.30
0.52
5.50
7.50

10.55
8.94
1.50
4.80±0.15
7.50±0.15

5.05
3.16
6.50
0.20
0.30
0.10

0.95
0.40
0.50

5.50
24-0.20
22-0.50
2.10±0.3
5.60
11.40
2-Ø0.40

REVISIONS

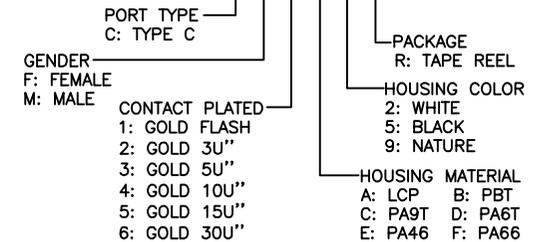| REV.	DESCRIPTION	DATE	DESIGN

NOTE:
1.MECHANICAL PERFORMANCE,
   1-1.INSERTION FORCE: 0.5~2.0kgf.
   1-2.EXTRACTION FORCE: 0.8kgf~2.0kgf.
       0.6kgf~2.0kgf. AFTER DURABILITY TEST.
   1-3.DURABILITY: 10000 CYCLES.
2.ELECTRICAL PERFORMANCE,
   2-1. CURRENT RATING:5.0A
        VOLTAGE RATING:5.0V
   2-2. LLCR:
        VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
        SHIELD: 50mΩ/MAX.
        LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
   2-3.INSULATION RESISTANCE: 100MΩ MIN
   2-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.
3. ENVIRONMENTAL PERFORMANCE:
     OPERATING TEMPERATURE: -25℃~+85℃.
4.IR REFLOW:
     THE PEAK TEMPERATURE ON THE BOARD SHALL
     BE MAINTAINED FOR 10 SECONDS AT 260℃.

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	VBUW	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

PART NO. INFORMATION

U06-C F X X 5 R - W013

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"

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:

NO	PART	Q'TY	Material
1	SHELL	1	STAINLESS STEEL,NI PLATED
2	EMI Plate	1	STAINIESS STEEL,NO PLATED
3	Mid Plate	1	STAINIESS STEEL,NO PLATED
4	CONTACT	24	COPPER STEEL,TIN/Au/NI PLATED
5	1MD HOUSING	1	HIGH TEMPERATURE RESISTANT PLASTIC BLACK UL94 V-0
6	2MD HOUSING	1	HIGH TEMPERATURE RESISTANT PLASTIC BLACK UL94 V-0
7	PLASTIC SHELL	1	HIGH TEMPERATURE RESISTANT PLASTIC BLACK UL94 V-0

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:
CHECKED: C.W   DATE:
APPROVED: C.W   DATE:

TITLE:
IPX6 Waterproof VERTICAL USB TYPE C 24P FEMALE CONNECTOR,H=6.5mm

MATERILA:
FINSH:

PART NO: U06-CFXX5R-W013
DWG NO: U06-CFXX5R-W013
SIZE: A4

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