

RoHS Compliant

REVISIONS

REV.	DESCRIPTION	DATE	DESIGN

NOTE: 1.MATERIAL SPECIFICATION:

- 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0.
- 2.TERMINAL: COPPER ALLOY(C1814)
- 3.MID PLATE: STAINLESS STEEL(SUS301)
- 4.FRONT SHELL: STAINLESS STEEL(SUS304)

2.PLATING SPECIFICATION:

2-1.TERMINAL:

Ni 50u" MIN. UNDER PLATED OVER ALL.

Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.

(GOLD PLATING THICKNESS FOLLOW THE P/N)

PLATING SPECIFICATIONS OF THE SOLDER AREA FOLLOW THE P/N

2-2.FRONT SHELL:

PLATING SPECIFICATIONS FOLLOW THE P/N

2-3.MID PLATE PLATE:

CLEAR ONLY

3.MECHANICAL PERFORMANCE,

3-1.INSERTION FORCE: 0.5~2.0kgf.

3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.

3-3.DURABILITY: 10000 CYCLES.

4.ELECTRICAL PERFORMANCE,

4-1. VOLTAGE RATING:20 V DC/AC (RMS. max)

CURRENT RATING:5 AMPS. FOR TOTAL VBUS/GND PINS;

1.25AMPS FOR CC PIN,0.25 AMPS. FOR ALL OTHER CONTACT.

4-2. LLCR:

VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.

SHIELD: 50mΩ/MAX.

LLCR MAX. CHANGE OF ALL PINS: 10mΩ.

4-3.INSULATION RESISTANCE: 100MΩ MIN

4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:

OPERATING TEMPERATURE: -25°C~+85°C.

6.IR REFLOW:

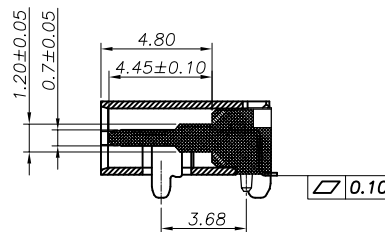
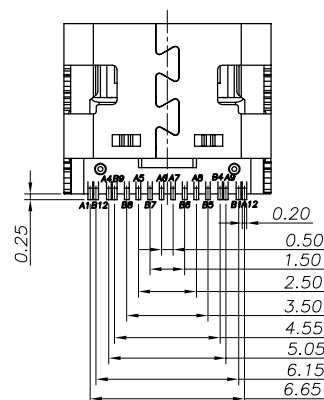
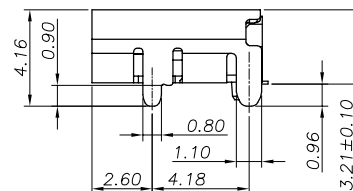
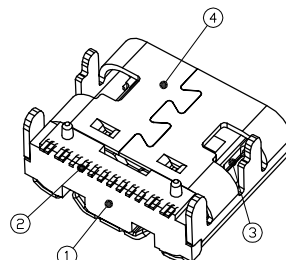
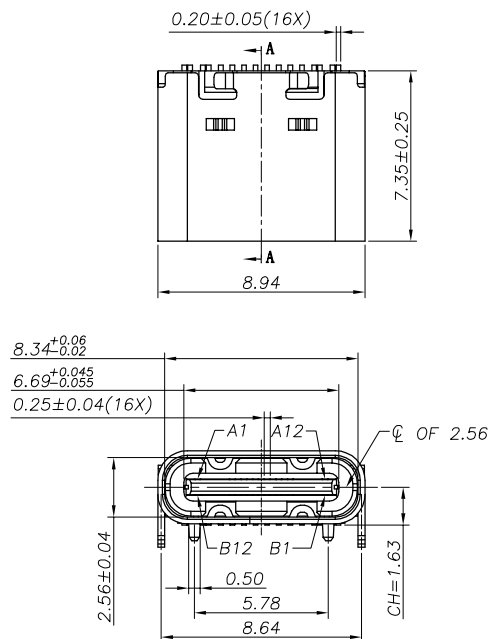
THE PEAK TEMPERATURE ON THE BOARD SHALL

BE MAINTAINED FOR 10 SECONDS AT 260°C.

7.DATE CODE: XX XX

WEEK
YEAR

PART NO. INFORMATION

U06-C F X X X R - 009PORT TYPE
C: TYPE CGENDER
F: FEMALE
M: MALECONTACT 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: NATUREHOUSING MATERIAL
A: LCP B: PBT
C: PA9T D: PA6T
E: PA46 F: PA66

SECTION:A-A

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.	± 0.30	X.*	± 10°
.X	± 0.20	.X*	± 8°
.XX	± 0.10	.XX*	± 5°

Website: www.bsc-elec.comE-mail: bestcreate@bsc-elec.com

DESIGN:

I. L

DATE:

2017. 3. 1

CHECKED:

C. W

DATE:

2017. 3. 1

APPROVED:

C. W

DATE:

2017. 3. 1

TITLE:

**USB CF 16PIN (L=7.35)
WITH POST**

MATERILA:

PART NO:

U06-CFXXXXR-009

SIZE:

A4

FINSH:

DWG NO:

U06-CFXXXXR-009

SHEET:

1 OF 3

REV:

A

UNIT

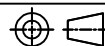
mm

SCALE

1=1

QUALITY

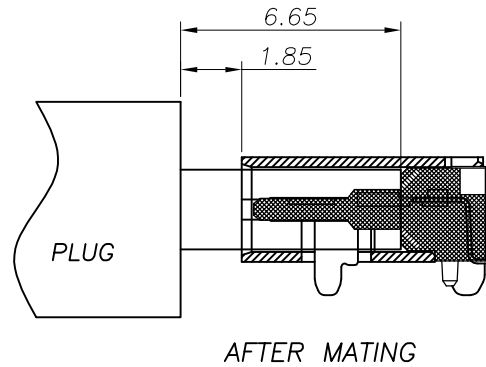
SYMBOLS



RoHS Compliant

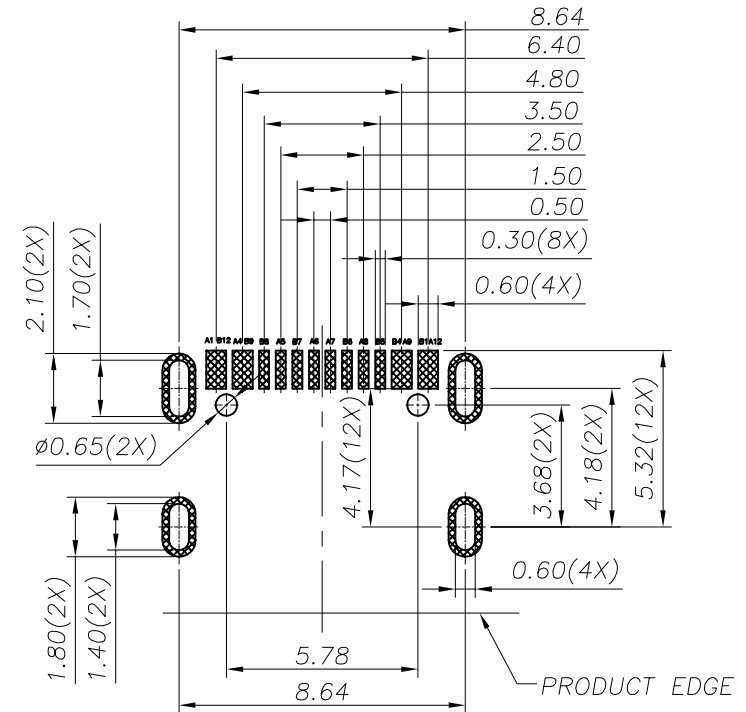
REVISIONS

REV.	DESCRIPTION	DATE	DESIGN



USB TYPE-C PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A4	VBUS	B9	VBUS
A5	CC1	B8	SBU2
A6	Dp1	B7	Dn2
A7	Dn1	B6	Dp2
A8	SBU1	B5	CC2
A9	VBUS	B4	VBUS
A12	GND	B1	GND



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 0.80MM;DEFAULT TOLERANCE:±0.05

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.	± 0.30	X.*	± 10°
.X	± 0.20	.X*	± 8°
.XX	± 0.10	.XX*	± 5°

Website: www.bsc-elec.com
E-mail: bestcreate@bsc-elec.com

DESIGN: I. L. DATE: 2017. 3. 1

CHECKED: C. W. DATE: 2017. 3. 1

APPROVED: C. W. DATE: 2017. 3. 1

TITLE: USB CF 16PIN (L=7.35)
WITH POST

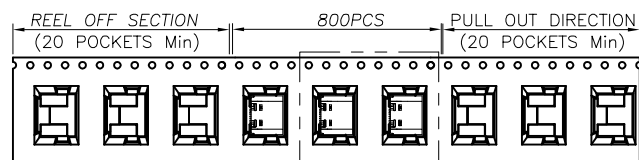
MATERIAL:	PART NO: U06-CFXXR-009	SIZE: A4
FINISH:	DWG NO: U06-CFXXR-009	SHEET: 2 OF 3

REV: A UNIT mm SCALE 1=1 QUALITY SYMBOLS

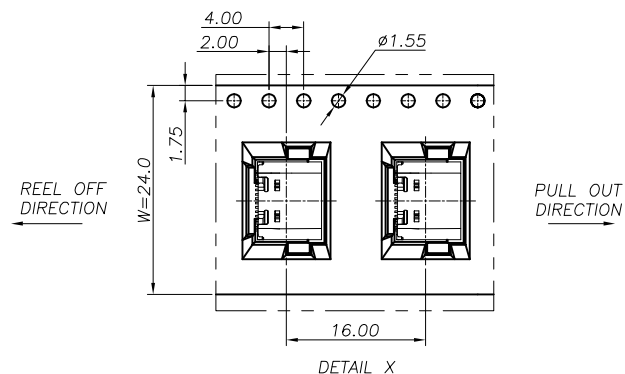
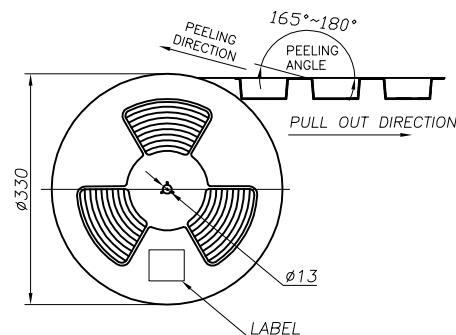
RoHS Compliant

REVISIONS

REV.	DESCRIPTION	DATE	DESIGN



SEE DETAIL X



PAPER BOARD

REEL AND TAPE

REEL AND TAPE

PAPER BOARD

FOLDER
PAPER BOARD

CARTON

	REEL	CARTON
CONNECTOR (PCS)	800	8000

Bestcreate Technology Limited

TOLERANCES UNLESS OTHERWISE SPECIFIED:

X.	± 0.30	X.*	$\pm 10^{\circ}$
.X	± 0.20	.X*	$\pm 8^{\circ}$
.XX	± 0.10	.XX*	$\pm 5^{\circ}$

Website: www.bsc-elec.com
E-mail: bestcreate@bsc-elec.com

DESIGN: I. L. DATE: 2017. 3. 1

CHECKED: C. W. DATE: 2017. 3. 1

APPROVED: C. W. DATE: 2017. 3. 1

TITLE: **USB CF 16PIN (L=7.35)
WITH POST**

MATERILA:	PART NO: U06-CFXXXR-009	SIZE: A4
FINSH:	DWG NO: U06-CFXXXR-009	SHEET: 3 OF 3

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