

RoHS Compliant

REVISIONS

REV.	DESCRIPTION	DATE	DESIGN

NOTE:

1.MATERIAL SPECIFICATION:

- 1-1.TYPE C HOUSING:PA9T/BLACK,UL94 V-0.
- 1-2.MAIN HOUSING:PA9T/BLACK,UL94 V-0.
- 1-3.SPACER:PA9T/BLACK,UL94 V-0.
- 1-4.COVER:LCP/BLACK,UL94 V-0.
- 1-5.TYPE C CONTACTS: COPPER ALLOY(C18150)
- 1-6.MID PLATE: STAINLESS STEEL(SUS301)
- 1-7.TYPE C SHELL: STAINLESS STEEL(SUS304)
- 1-8.TOP SHELL: STAINLESS STEEL(SUS304)
- 1-9.FRONT SHELL: STAINLESS STEEL(SUS304)
- 1-10.SOLDER TAIL TERMINAL: BRASS(C2680)

2.PLATING SPECIFICATION:

- 2-1.TYPE C CONTACTS:
Ni 50u" MIN. UNDER PLATED OVER ALL.
(GOLD PLATING THICKNESS FOLLOW THE P/N)
- 2-2.TYPE C SHELL&TOP SHELL&FRONT SHELL:
Ni 30u" MIN. UNDER PLATED OVER ALL.
- 2-3.MID PLATE:
Ni 30u" MIN. UNDER PLATED OVER ALL.
- 2-4.SOLDER TAIL TERMINAL:
100U" MIN MATTE TIN, 30U"MIN NICKEL OVERALL

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,

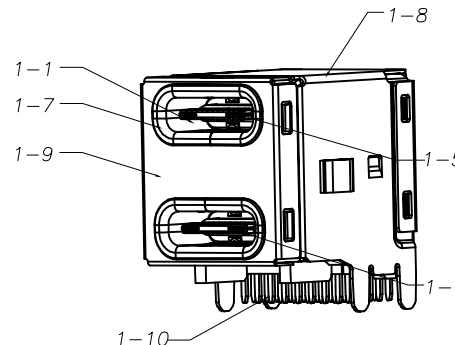
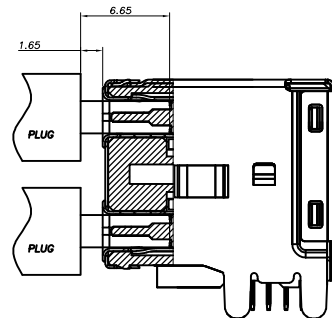
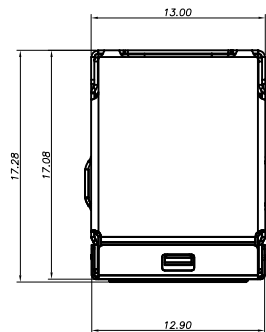
- 4-1. CURRENT RATING:5.0A
VOLTAGE RATING:5.0V
- 4-2. LLCR:
VBUS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
LLCR MAX. CHANGE OF ALL PINS: 10mΩ.
- 4-3.INSULATION RESISTANCE: 100MΩ MIN
- 4-4.DIELECTRIC WITHSTAND VOLTAGE,AC 100V FOR 1 MINUTE.

5. ENVIRONMENTAL PERFORMANCE:

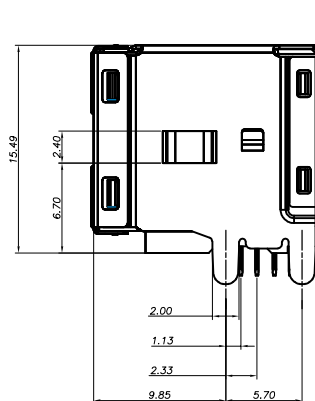
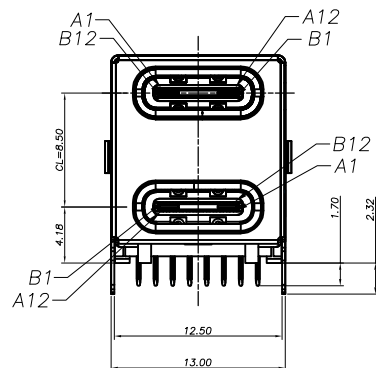
- OPERATING TEMPERATURE: -25°C~+85°C.

6. WAVE SOLDERING:

THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 265±3°C.



AFTER MATING



PART NO. INFORMATION

U06-DC F X X 5 T - 010

PORT TYPE Dual USB C	PACKAGE T: TRAY
GENDER F: FEMALE M: MALE	HOUSING COLOR 2: WHITE 5: BLACK 9: NATURE
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

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

.X	± 0.30	.X."	± 10°
.XX	± 0.20	.X."	± 8°
XXX	± 0.10	.XX"	± 5°

Website: www.bsc-elec.com

E-mail: bestcreate@bsc-elec.com

DESIGN:

I. L

DATE:

2025. 09. 09

CHECKED:

C. W

DATE:

2025. 09. 09

APPROVED:

C. W

DATE:

2025. 09. 09

TITLE:

USB TYPE C Receptacle 16P 2X1 Shell Straight Edge

MATERILA:

FINSH:

PART NO:

U06-DCFXX5T-010

SIZE:

A4

DWG NO:

U06-DCFXX5T-010

SHEET:

1 OF 3

REV:

A

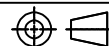
UNIT

mm

SCALE

1=1

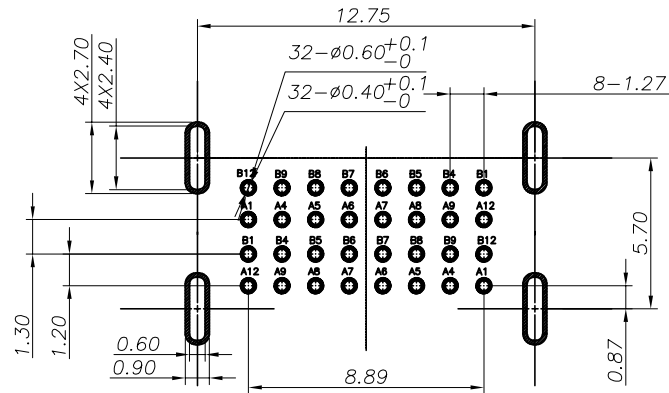
QUALITY
SYMBOLS



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USB CF 16PIN RECOMMENDED PCB LAYOUT(TOP VIEW)
THICKNESS 1.6MM;DEFAULT TOLERANCE:±0.05,SCALE 2:1

USB TYPE-C 16 PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	GND	B11	GND
A3	GND	B10	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
A10	GND	B3	GND
A11	GND	B2	GND
A12	GND	B1	GND

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TOLERANCES UNLESS OTHERWISE SPECIFIED:

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

DESIGN: I. L. DATE: 2025. 09. 09

CHECKED: C. W. DATE: 2025. 09. 09

APPROVED: C. W. DATE: 2025. 09. 09

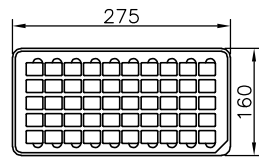
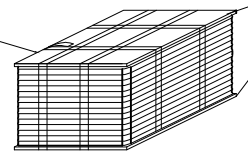
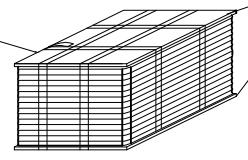
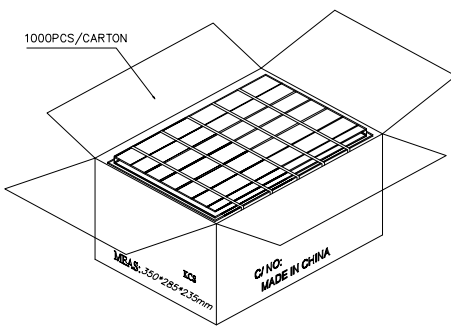
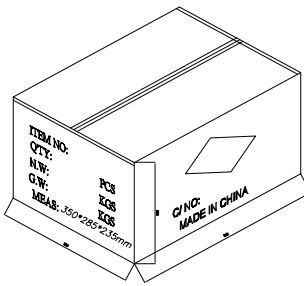
TITLE: USB TYPE C Receptacle 16P 2X1 Shell Straight Edge

MATERILA: PART NO: U06-DCFXX5T-010 SIZE: A4

FINSH: DWG NO: U06-DCFXX5T-010 SHEET: 2 OF 3

REV: A UNIT mm SCALE 1=1 QUALITY SYMBOLS

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

1	2	3	4	5	6	7	8			
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					REV.	DESCRIPTION	DATE	DESIGN		
1-1 将USB TYPE C 母 24P 双层90度 的成品整齐的装入真空盒底盒内。 1-2 每盘真空盒上面必须盖一个盖子，以免产品漏失。 1-3 真空盒材质必须是PET 环保材料。 每盘装成品50PCS 备注：					2-1 每箱2扎装，每扎共10盘，用 PE膜将托盘两边缠绕；上下各放一块硬纸板。 每箱的数量小计:2*10*50=1000PCS			3-1 将1摞成品依次放入纸箱内. 备注： 纸箱规格:350*285*235mm 3-2. 纸箱4个角落用缓冲材料塞好，并盖上与之相配的纸板 3-3. 包装明细：		
 产品  1. 将成品整齐放入底盒中,共50PCS.  盖子  底盒  保鲜膜  纸板					 1000PCS/CARTON MEAS.:350*285*235mm QTY: 1000 Q/NO: 1000 MADE IN CHINA					
4-1 纸箱开口处以透明胶带贴合。 4-2 若有未装满的零数箱,必须以缓冲材塞满。					5-1.外标签贴在外箱侧麦左上角，环保标签贴在外标签右上角。					
 ITEM NO: QTY: N.W: G.W: MEAS.:350*285*235mm PCS 1000 Q/NO: 1000 MADE IN CHINA										
Bestcreate Technology Limited			TOLERANCES UNLESS OTHERWISE SPECIFIED:		DESIGN: I. L		DATE: 2025. 09. 09		TITLE: USB TYPE C Receptacle 16P 2X1 Shell Straight Edge	
			.X ± 0.30		.X.* ± 10°		CHECKED: C. W		DATE: 2025. 09. 09	
			.XX ± 0.20		.X.* ± 8°		APPROVED: C. W		DATE: 2025. 09. 09	
REV: A			UNIT mm		SCALE 1=1		QUALITY SYMBOLS		Website: www.bsc-elec.com	
							E-mail: bestcreate@bsc-elec.com		MATERILA:	
									PART NO: U06-DCFXX5T-010	
									FINSH:	
									DWG NO: U06-DCFXX5T-010	
									SHEET: 3 OF 3	
1	2	3	4	5	6	7	8			