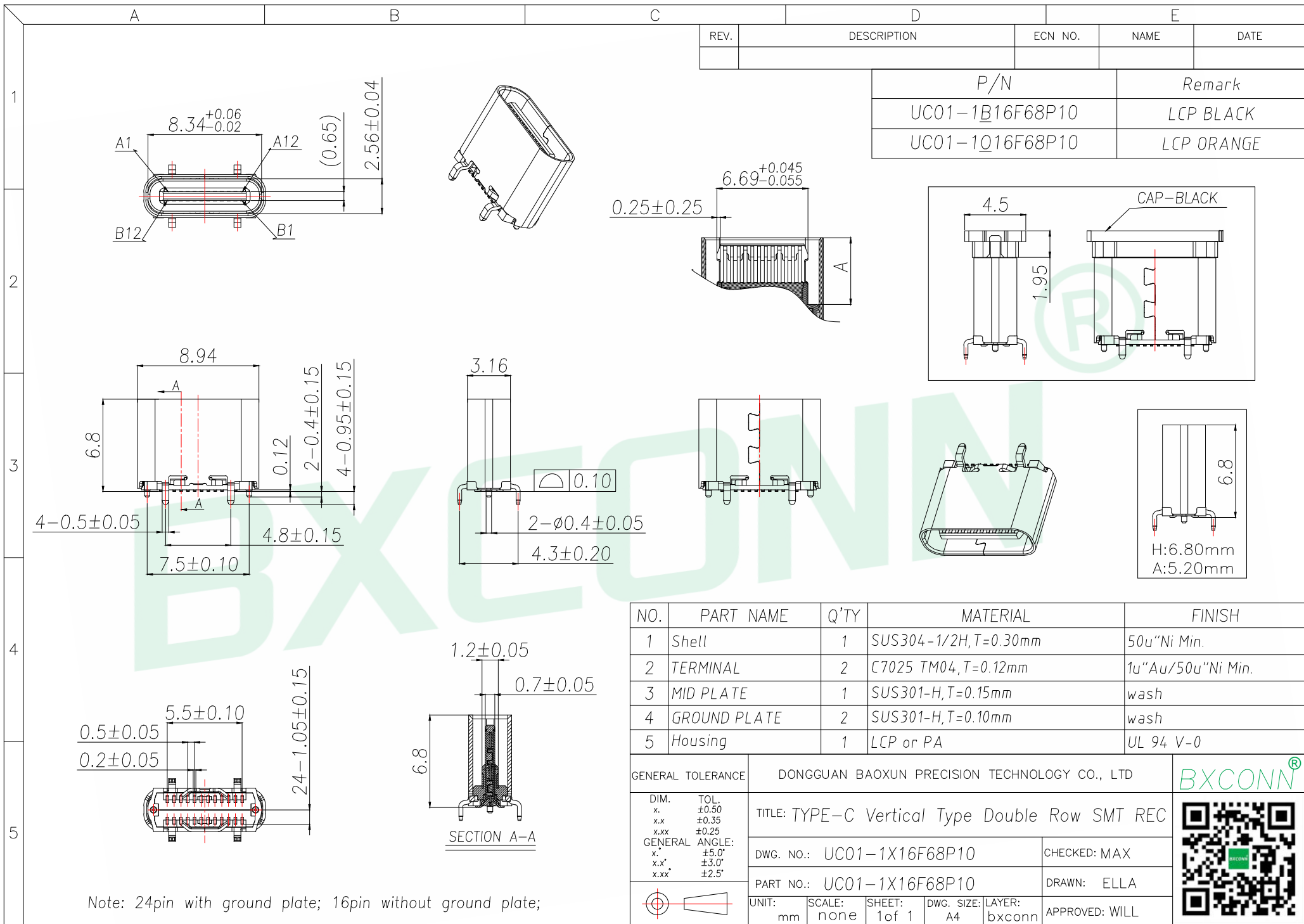




1

2

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4

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A

B

C

D

E

REV.	DESCRIPTION	ECN NO.	NAME	DATE

RECOMMENDED P.C.B. LAYOUT(24 Pin)

RECOMMENDED P.C.B. LAYOUT(16 Pin)

SPECIFICATION:

1. MATERIAL:

1-1.HOUSING&MOLDING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0 COLOR:BLACK

1-2.CONTACTS:COPPER ALLOY T=0.12mm

1-3.SHELL:STAINLESS STEEL SUS304-1/2H,T=0.30

1-4.MID PLATE: STAINLESS STEEL(SUS301)T=0.15mm

1-5.EMI PLATE: STAINLESS STEEL(SUS301)T=0.10mm

2.PLATING SPECIFICATION:

2-1.CONTACTS:

Ni 50u" MIN. UNDER PLATED OVER ALL.

Au PLATED ON THE MATING AREA OF CONTACT.

MATTE SN PLATED ON THE SOLDER AREA.

2-2.SHELL:Ni 30u" MIN. UNDER PLATED OVER ALL.

2-3.MID PLATE:CLEAR ONLY

2-4.EMI PLATE:CLEAR ONLY

3. MECHANICAL:

3.1.MATING FORCE:0.5~2.0kgf;

3.2.UNMATING FORCE:0.8~2.0kgf.

0.6~2.0kgf AFTER DURABILITY TEST;

3.3.DURABILITY:10000 CYCLES;

4.ELECTRICAL:

4.1.CURRENT RATING:5A Max;

4.2.VOLTAGE RATING:20V Max;

4.3.DIELECTRIC WITHSTANDING VOLTAGE:100VAc;

4.4.CONTACT RESISTANCE:40m Ohms Max.;

4.5.INSULATION RESISTANCE:100M Ohms Min.;

5.ENVIRONMENTAL:

5.1.OPERATING TEMPERATURE:-40°C~+85°C;

5.2.WETTING TEMPERATURE:265±5°C,5±0.5s

TOLERANCE UNSPECIFIED ±0.05mm

RECOMMENDED PCB THICKNESS:0.8±0.10mm

USB TYPE-C 24PIN ASSIGNMENTS

PIN NUMBER	SIGNAL NAME	PIN NUMBER	SIGNAL NAME
A1	GND	B12	GND
A2	SSTXp1	B11	SSTXp1
A3	SSTXn1	B10	SSTXn1
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	SSRXn2	B3	SSRXn2
A11	SSRXp2	B2	SSRXp2
A12	GND	B1	GND

TOLERANCE UNSPECIFIED ±0.05mm

RECOMMENDED PCB THICKNESS:0.8±0.10mm

USB TYPE-C 16PIN 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

GENERAL TOLERANCE

DIM.	TOL.
x.	±0.50
x.x	±0.35
x.xx	±0.25
GENERAL ANGLE:	
x°	±5.0°
x.x°	±3.0°
x.xx°	±2.5°

DONGGUAN BAOXUN PRECISION TECHNOLOGY CO., LTD	
TITLE: TYPE-C Vertical Type Double Row SMT REC	
DWG. NO.: UC01-1X16F68P10	CHECKED: MAX
PART NO.: UC01-1X16F68P10	DRAWN: ELLA
UNIT: mm	SCALE: none
SHEET: 1 of 1	DWG. SIZE: A4
LAYER: bxconn	APPROVED: WILL

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