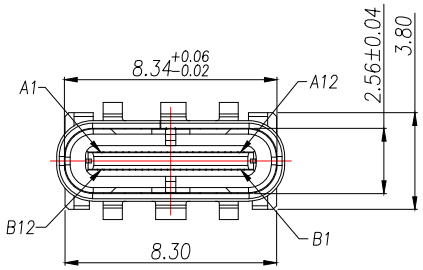
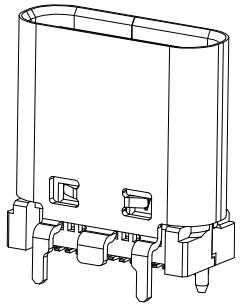
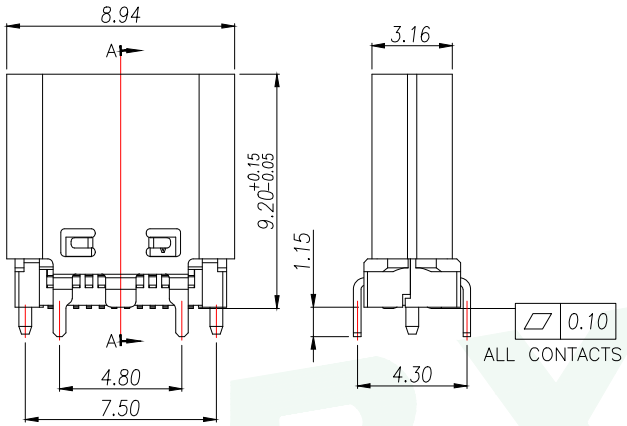
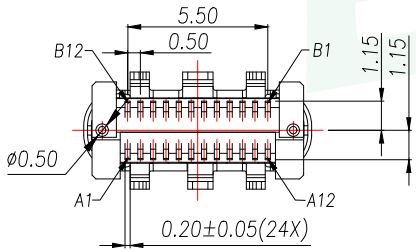
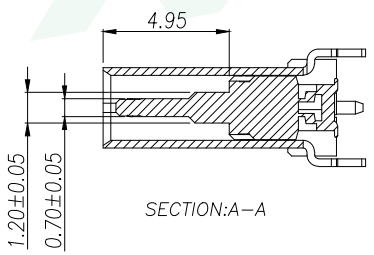
REV.	DESCRIPTION	ECN NO.	NAME	DATE







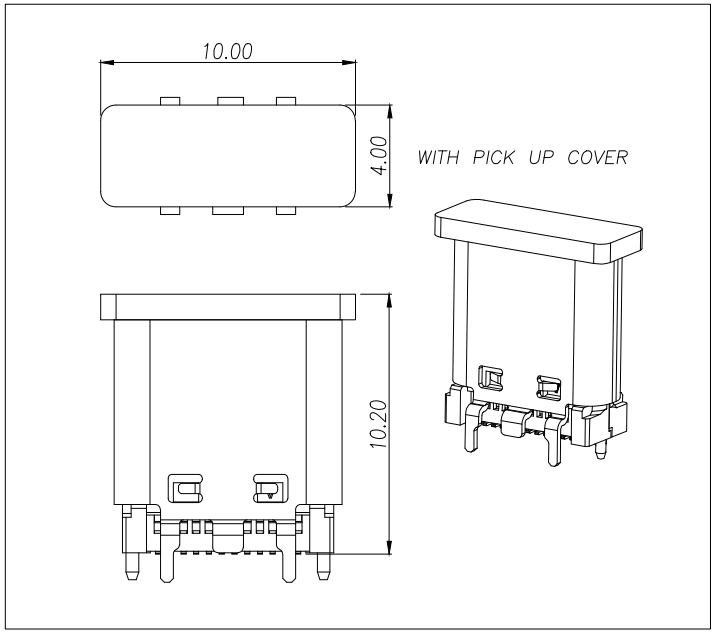


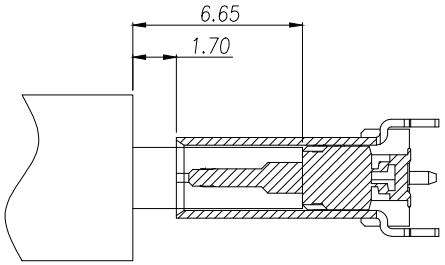


NOTE:
1.MATERIAL SPECIFICATION:
 1.HOUSING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V−0
 2.TERMINAL: COPPER ALLOY(C1815)
 3.MID PLATE: STAINLESS STEEL(SUS301)
 4.FRONT SHELL: STAINLESS STEEL(SUS304)
 5.EMI PLATE: STAINLESS STEEL(SUS304)
2.PLATING SPECIFICATION:
 2−1.TERMINAL:
  Ni 50u" MIN. UNDER PLATED OVER ALL.
  Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.
  CONTACT FUNCTIONAL AREA PLATED : Au G/F
  CONTACT SOLDER AREA PLATED : Au G/F
 2−2.FRONT SHELL:
  Ni 30u" MIN. UNDER PLATED OVER ALL.
 2−3.MID PLATE&EMI 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:5 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.
  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: −40°C~+85°C.
6.IR REFLOW:
 THE PEAK TEMPERATURE ON THE BOARD SHALL
 BE MAINTAINED FOR 10 SECONDS AT 260°C.

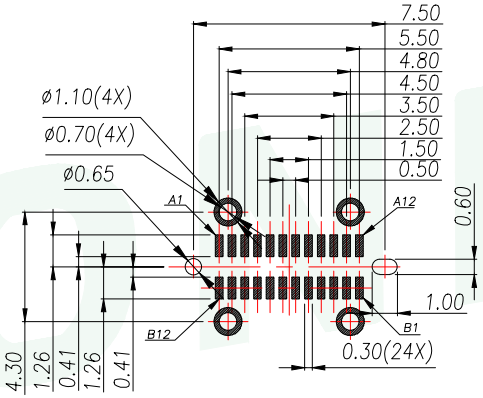
GENERAL TOLERANCE	DONGGUAN BAOXUN PRECISION TECHNOLOGY CO., LTD		BXCONN®
DIM. TOL. X X.X ±0.30 X.XX ±0.25 X.XXX ±0.15 GENERAL ANGLE: ±3°	TITLE: USB CF VERTICAL (L=9.2)		
	DWG. NO.: UC02−0B24F92011	DRAWN: MAX	
	PART NO.: UC02−0B24F92011	CHECKED: ELLA	
	UNIT: mm / SCALE: none / SHEET: 1of 1 / DWG. SIZE: A4 / LAYER: bxconn	APPROVED: WILL	

REV.	DESCRIPTION	ECN NO.	NAME	DATE





AFTER MATING



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS 1.0±0.10MM;DEFAULT TOLERANCE:±0.05

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	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	SSTXn2
A11	SSRXp2	B2	SSTXp2
A12	GND	B1	GND

GENERAL TOLERANCE	DONGGUAN BAOXUN PRECISION TECHNOLOGY CO., LTD		
DIM. TOL. X X.X ±0.30 X.XX ±0.25 X.XXX ±0.15 GENERAL ANGLE: ±3°	TITLE: USB CF VERTICAL (L=9.2)		
	DWG. NO.: UC02-0B24F92011		DRAWN: MAX
	PART NO.: UC02-0B24F92011		CHECKED: ELLA
	UNIT: mm / SCALE: none / SHEET: 1of 1 / DWG. SIZE: A4 / LAYER: bxconn		APPROVED: WILL