

Technical drawing of a 0.5 Pitch Double Groove Vertical BTB Connector, showing dimensions, assembly details, and specifications.

Dimensions:

- Top View: DIM E ± 0.2 , DIM C ± 0.2 , DIM B ± 0.15 , DIM A ± 0.2 , 1.0, 4.00, 1.90 ± 0.1 , 0.50 ± 0.1 , 0.20 ± 0.05 .
- Side View: 4.00, 5.20 ± 0.1 , 0.10, 4.00, 5.20 ± 0.1 .
- Bottom View: DIM A ± 0.05 , 1.80, 2.20, 1.80, 0.50, 0.30.
- Assembly View: H, H1, H2, H3.

Technical Specifications:

1. 塑件表面应光洁、无毛边、无明显收缩、缺陷、裂纹等现象。
2. 温度范围: $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$.
3. 额定电压: 50V, AC.
4. 接触电阻: $\leq 0.02\Omega$.
5. 绝缘电阻: $\geq 100M\Omega$.

Material Table:

序号	品名	材质
①	0.5 Pitch 双槽立式 BTB 公座胶芯	PA10T UL94 V-0 颜色: 黑色
②	0.5 Pitch 双槽立式 BTB 公座端子	铜合金 / 表面点镀金
③	0.5 Pitch 双槽立式 BTB 公座吸盖	LCP UL94 V-0 颜色: 黑色

Insertion Height Table:

High photosynthesis 合高 (H)	The female seat neight 母座单高 (H1)	The male seat neight 公座单高 (H2)	Insertion height (H3)
3.00	2.20	0.80	1.60
3.50	2.20	1.30	1.60
4.00	3.00	1.00	1.90
4.50	3.50	1.00	1.90
5.00	4.00	1.00	1.90
5.50	4.50	1.00	1.90
6.00	4.00	2.00	1.90
6.50	4.50	2.00	1.90
7.00	3.00	4.00	1.90
7.50	3.50	4.00	1.90
8.00	4.00	4.00	1.90
8.50	4.50	4.00	1.90

General Tolerance: DONGGUAN BAOXUN PRECISION TECHNOLOGY CO., LTD

Dimensions: DIM. TOL. x.x ± 0.50 , x.xx ± 0.20 , x.xxx ± 0.10 , GENERAL ANGLE: $\pm 1.0^{\circ}$

Part Information: TITLE: 0.5 Pitch 双槽 立式 BTB 公 无柱(单高1.0), DWG. NO.: B0500MAA10-XP, PART NO.: B0500MAA10-XP

Unit: mm, **Scale:** none, **Sheet:** 1 of 2, **Dwg. Size:** A4, **Layer:** bxconn

Checked: MAX, **Drawn:** ELLA, **Approved:** WILL

QR Code: BXCONN

1. 塑件表面应光洁、无毛边、无明显收缩、缺陷、裂纹等现象。
2. 温度范围: $-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$ 。
3. 额定电压: 50V, AC。
4. 接触电阻: $\leq 0.02\Omega$ 。
5. 绝缘电阻: $\geq 100\text{M}\Omega$

High photosynthesis 合高 (H)	The female seat 母座单高 (H1)	The male seat 公座单高 (H2)	Insertion height (H3)
3.00	2.20	0.80	1.60
3.50	2.20	1.30	1.60
4.00	3.00	1.00	1.90
4.50	3.50	1.00	1.90
5.00	4.00	1.00	1.90
5.50	4.50	1.00	1.90
6.00	4.00	2.00	1.90
6.50	4.50	2.00	1.90
7.00	3.00	4.00	1.90
7.50	3.50	4.00	1.90
8.00	4.00	4.00	1.90
8.50	4.50	4.00	1.90

GENERAL TOLERANCE		DONGGUAN BAOXUN PRECISION TECHNOLOGY CO., LTD					BXCONN [®]	
DIM. TOL. x.x ±0.50 x.xx ±0.20 x.xxx ±0.10 GENERAL ANGLE: ±1.0°		TITLE: 0.5 Pitch 双槽 立式 BTB 公 无柱(单高1.0)						
		DWG. NO.: B0500MAA10-XP			CHECKED: MAX			
		PART NO.: B0500MAA10-XP			DRAWN: ELLA			
		UNIT: mm	SCALE: none	SHEET: 1 of 2	DWG. SIZE: A4	LAYER: bxconn	APPROVED: WILL	

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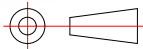
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A		B		C		D		E	
REV.		DESCRIPTION		ECN NO.		NAME		DATE	

PIN NO	PIN	DIM A	DIM B	DIM C	DIM E
B0500MAA10-8P	8	1.50	2.50	4.70	4.00
B0500MAA10-10P	10	2.00	3.00	5.20	
B0500MAA10-12P	12	2.50	3.50	5.70	
B0500MAA10-14P	14	3.00	4.00	6.20	
B0500MAA10-16P	16	3.50	4.50	6.70	
B0500MAA10-18P	18	4.00	5.00	7.20	
B0500MAA10-20P	20	4.50	5.50	7.70	
B0500MAA10-22P	22	5.00	6.00	8.20	
B0500MAA10-24P	24	5.50	6.50	8.70	8.00
B0500MAA10-26P	26	6.00	7.00	9.20	
B0500MAA10-28P	28	6.50	7.50	9.70	
B0500MAA10-30P	30	7.00	8.00	10.20	
B0500MAA10-32P	32	7.50	8.50	10.70	
B0500MAA10-34P	34	8.00	9.00	11.20	
B0500MAA10-36P	36	8.50	9.50	11.70	
B0500MAA10-38P	38	9.00	10.00	12.20	
B0500MAA10-40P	40	9.50	10.50	12.70	
B0500MAA10-44P	44	10.50	11.50	13.70	
B0500MAA10-50P	50	12.00	13.00	15.20	
B0500MAA10-60P	60	14.50	15.50	17.70	
B0500MAA10-70P	70	17.00	18.00	20.20	
B0500MAA10-80P	80	19.50	20.50	22.70	
B0500MAA10-100P	100	24.50	25.50	27.70	

GENERAL TOLERANCE		DONGGUAN BAOXUN PRECISION TECHNOLOGY CO., LTD				 			
DIM.	TOL.	TITLE: 0.5 Pitch 双槽 立式 BTB 公 无柱(单高1.0)							
x.x	±0.50	DWG. NO.: B0500MAA10-XP							
x.xx	±0.20	PART NO.: B0500MAA10-XP							
x.xxx	±0.10	CHECKED: MAX							
GENERAL	ANGLE:	DRAWN: ELLA							
	±1.0°	APPROVED: WILL							
		UNIT:	SCALE:	SHEET:	DWG. SIZE:	LAYER:			
		mm	none	2 of 2	A4	bxconn			

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