

Technical drawing of a 0.5 Pitch D-type single-row side-plug BTB socket (single height 5.3).

Dimensions:

- Top view: DIM C ± 0.2 , DIM B ± 0.2 , DIM A ± 0.15 , 5.30 ± 0.2 , 2.44 ± 0.2 , 0.80 ± 0.2 , 1.95 ± 0.2 , 0.50 ± 0.05 , 0.20 ± 0.03 , $\phi 0.50$, DIM D ± 0.2 .
- Bottom view: DIM A ± 0.1 , 0.30 ± 0.05 , 1.50 ± 0.1 , 5.66 ± 0.1 , 0.50 ± 0.05 , DIM D ± 0.1 , 1.50 ± 0.1 .
- Side view: 2.25, 2.46 ± 0.2 , 0.09, 5.39, 0.54, 5.07 ± 0.2 , 0.58, 5.04, 3.26.
- Detail view: 0.10.

Technical Requirements:

1. Plastic surface should be clean, free of burrs, and no obvious shrinkage, defects, cracks, etc.
2. Temperature range: $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$.
3. Rated voltage: 50V, AC.
4. Contact resistance: $\leq 0.03\Omega$.
5. Insulation resistance: $\geq 100\text{M}\Omega$.

Part List:

Part No	CKT	A	B	C	D
B0510FDA53-4P	2*2	0.50	2.54	3.50	2.20
B0510FDA53-6P	2*3	1.00	3.04	4.00	2.70
B0510FDA53-8P	2*4	1.50	3.54	4.50	3.20
B0510FDA53-10P	2*5	2.00	4.04	5.00	3.70
B0510FDA53-12P	2*6	2.50	4.54	5.50	4.20
B0510FDA53-14P	2*7	3.00	5.04	6.00	4.70
B0510FDA53-16P	2*8	3.50	5.54	6.50	5.20
B0510FDA53-18P	2*9	4.00	6.04	7.00	5.70
B0510FDA53-20P	2*10	4.50	6.54	7.50	6.20
B0510FDA53-22P	2*11	5.00	7.04	8.00	6.70
B0510FDA53-24P	2*12	5.50	7.54	8.50	7.20
B0510FDA53-26P	2*13	6.00	8.04	9.00	7.70
B0510FDA53-28P	2*14	6.50	8.54	9.50	8.20
B0510FDA53-30P	2*15	7.00	9.04	10.00	8.70
B0510FDA53-32P	2*16	7.50	9.54	10.50	9.20
B0510FDA53-34P	2*17	8.00	10.04	11.00	9.70
B0510FDA53-36P	2*18	8.50	10.54	11.50	10.20
B0510FDA53-38P	2*19	9.00	11.04	12.00	10.70
B0510FDA53-40P	2*20	9.50	11.54	12.50	11.20
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B0510FDA53-80P	2*40	19.50	21.54	22.50	21.20

General Tolerance: DONGGUAN BAOXUN PRECISION TECHNOLOGY CO., LTD

Part No.: B0510FDA53-XP

Checked: MAX

Drawn: ELLA

Approved: WILL

Scale: 1 of 2

Layer: bxconn

Unit: mm

Scale: none

Sheet: 1 of 2

DWG. Size: A4

Layer: bxconn

APPROVED: WILL