

Technical drawing of a stepper motor (Model TB-3544) showing dimensions, specifications, and wiring.

Dimensions (mm):

- Overall width: 42
- Overall height: 42
- Mounting flange diameter: $\phi 22^{+0}_{-0.052}$
- Mounting flange thickness: 4.5 ± 0.1
- Shaft diameter: $\phi 5^{+0}_{-0.012}$
- Shaft length: 22 ± 0.5
- Motor body length: 39 ± 1
- Terminal block width: 16
- Terminal block height: 42
- Terminal block pin pitch: 3.1
- Terminal block pin diameter: $4-M3 \times 0.5-6H$
- Terminal block pin depth: 4.5 MIN.

Specifications:

Character	Specifications
Number of phase	2
Step Angle	1.8°
Rated Voltage	DC 2.7V
Rated current	DC 1.5A
Holding Torque	≥ 500mN.m
Winding resistance	1.8±10% ohm(20°C)
Winding inductance	3.8±20% mH (1kHz)
Direction of rotation	A-AB-B-CW
Rotor Inertia	55 g.cm²
Weight	0.28Kg
Insulation class	B Class

Excitation sequence and direction of rotation:

STEP	A+	B+	A-	B-
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

seen from the mounting surface it is clockwise

Winding drawing:

Winding diagram showing the motor (M) and the terminal block (A, B, C, D) with the following connections:

- A: BLK
- B: RED
- C: GRN
- D: BLU

Shenzhen Fuyuan Sheng Electronic Technology Co., Ltd.

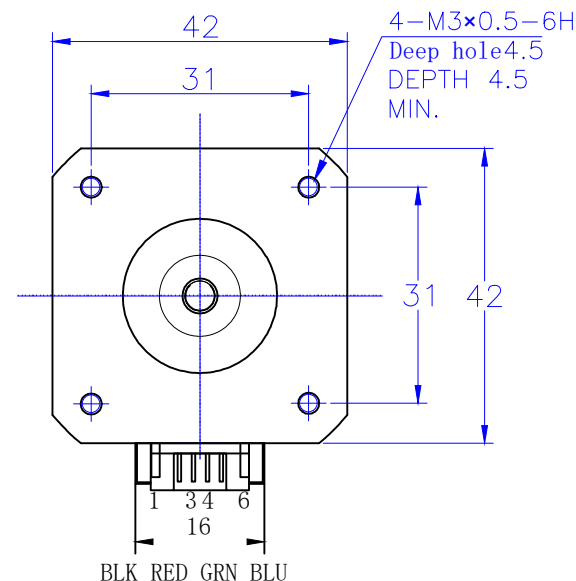
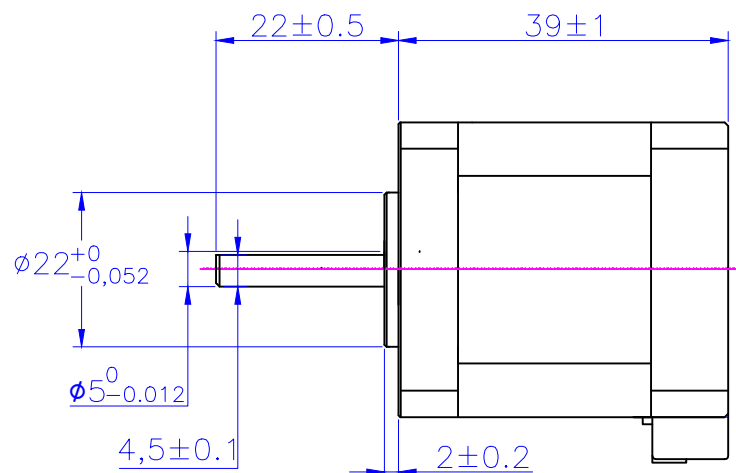
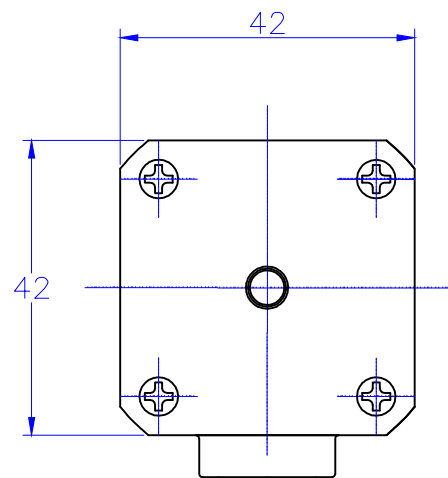
View: 1: 1

Inverse proportion: A0

Model: TB-3544

REV:

REV	Description	Date	INSPECTED	CHECKED	APPROVED	Date	Version

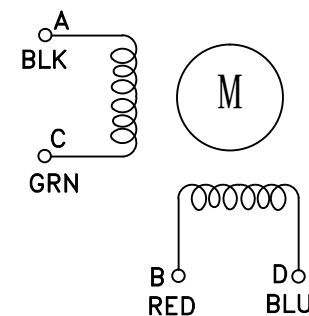
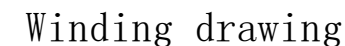




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1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

seen from the mounting
surface 1t 1sclockwlse



Winding Inductance	3.8 ± 20% mH (1KHz)					View			Shenzhen Fuyuan Sheng Electronic Technology Co., Ltd..			
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