

1 2 3 4 5 6

版本 REV.MARK	变更内容 REVISION RECORD	签名 SIGNATURE	日期 DATE

A

B

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D

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Technical drawing of the STM57XXA stepper motor. The front view shows a square motor with 'NiMotion' branding and mounting holes. The side view shows the motor's profile with dimensions: 21±1 mm for the top flange, 15±0.5 mm for the mounting hole offset, 1.6 mm for the base thickness, 5 mm for the base width, and X Max for the total length. The top view shows a square motor with a central circular feature and dimensions: 56.4 mm for the outer square, 47.14±0.2 mm for the inner square, and 4-φ50^{+0.3} for the mounting holes.

I/O端口

引脚	功能
1	DI1+
2	DI1-
3	DI2+
4	DI2-
5	DI3+
6	DI3-
7	DO1
8	DOCOM
9	AI
10	GND
11	485+
12	485-

拨码开关功能定义

SET5	OPCL(DIR)方向设置	ON-正转	OFF-反转
SET6	编码器校准	ON-校准	OFF-不校准

型号	X (mm)
STM5741A	61
STM5756A	76
STM5776A	96
STM57B5A	132

拨码开关 I/O与通讯端口 电源

1 2 3 4 5 6

2 1 4 3 6 5 8 7 10 9 12 11

VCC_VM GND

未注尺寸公差 DEFAULT DIMENSIONAL TOLERANCE GB/T 1804-M		未注形位公差 DEFAULT GEOMETRIC TOLERANCE GB/T 1184-K		FIRST ANGLE METHOD		北京立迈胜控制技术有限公司 Beijing Nimotion Control Technology Co., Ltd.			
设计DRAWN	耿源	2025/11/14	图号 DWG NO.	LMS-C20-24009		型号 MODEL	STM57XXA-XXX-AI-0FS		
审核CHK'D	任君	2025/11/14	物料编码 P/N			名称 TITLE	一体化步进电机		
批准APPV'D	董春禄	2025/11/14	版本 REV	A	图幅 SIZE	A4	比例 SCALE	1:1.5	共 1 张 第 1 张 SHEET 1 OF 1