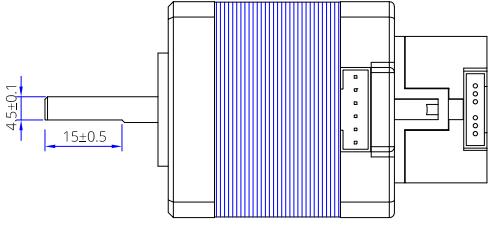
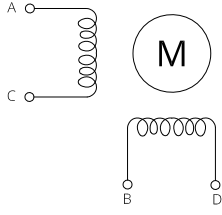
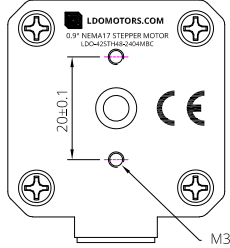


Encoder: HS28A-2500-Z5VT-D
2500CPR, ABZ signal, Voltage Output

Diagram



Label by laser engraving.



Item	Specification	Item	Specification
Phase Number	2	Step Angle	0.9° ± 5%
Rated Voltage	DC 2.2V / Phase	Rated Current	DC 2.4A / Phase
Phase Resistance	0.9x(1±20%) Ω	Phase Inductance	1.8x(1±20%) mH
Holding Torque	4.5 Kgf-cm (0.45Nm)	Detent Torque	25 mN-m REF.
Rotation Direction	ACBDA CW	Insulation Resistance	100Mohm(DC500V)
HI-POT	AC600V/1mA/1S	Insulation Class	Class B 130°C
Rotor Inertia	85.5 g-cm ²	Weight	0.35 Kg REF

REV.	ECN NO.	DESCRIPTION	MADE BY	APPR. BY	DATE
A	--	New Release.	Xu SD	J.B.	6/8/22

	VIEW		LDO Motors Co., Ltd.		
	SCALE		NA	Part NO. 0.9° NEMA17 Stepper with Encoder LDO-42STH48-2404MBC(EN2500)	
DRAWN BY	CHECKED BY	APPR. BY	DATE	FACTORY CODE	SHEET NO.
Xu SD	J.B.	J.B.	8/18/21		1/2



Connector: JST VHR-4N or Equivalent

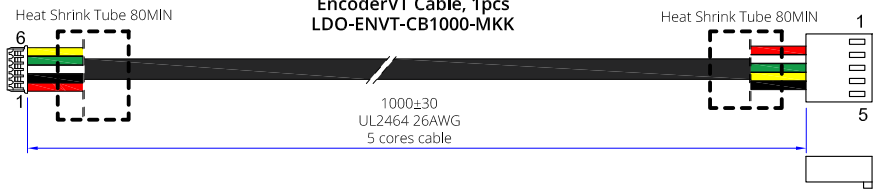
Motor Cable, 1pcs
LDO-MT-CB1000-VHR



Molex 510210600/500798000
PIN CONNECTING
OR EQUIVALENT

PIN NO	COLOR	ENCODER SIGNAL
1	RED	Vcc
2	BLACK	Gnd
3	WHITE	A
4	GREEN	B
5	YELLOW	Z
6	NA	NA

EncoderVT Cable, 1pcs
LDO-ENVT-CB1000-MKK



Molex KK 2201307
PIN CONNECTING
OR EQUIVALENT

PIN NO	COLOR	ENCODER SIGNAL
1	RED	+5V
2	WHITE	A
3	GREEN	B
4	YELLOW	Z
5	BLACK	GND

REV.	ECN NO.	DESCRIPTION	MADE BY	APPR. BY	DATE
A	--	New Release.	Xu SD	J.B.	6/8/22

	VIEW		LDO Motors Co., Ltd.		
	SCALE		NA	Part NO. 0.9° NEMA17 Stepper with Encoder LDO-42STH48-2404MBC(EN2500)	
DRAWN BY	CHECKED BY	APPR. BY	DATE	FACTORY CODE	SHEET NO.
Xu SD	J.B.	J.B.	8/18/21		2/2