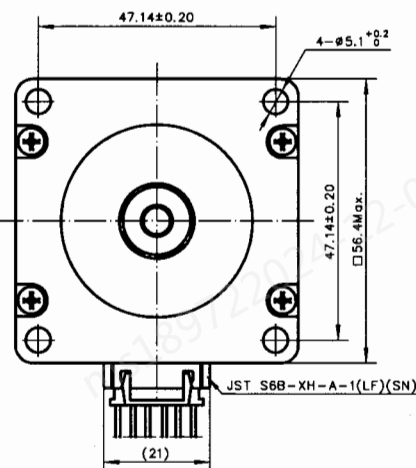
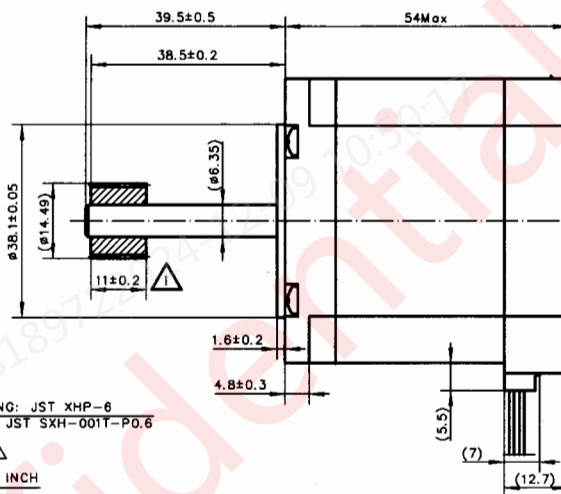
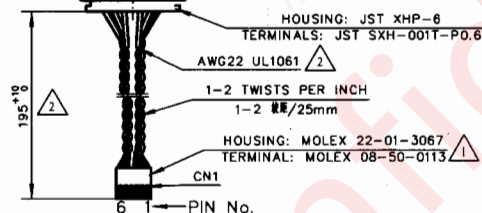
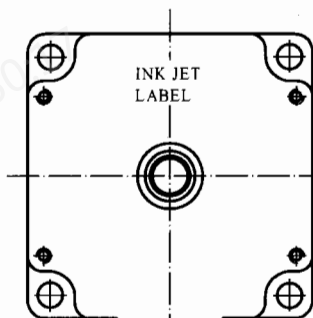


4611110008115



铭牌 Label Detail

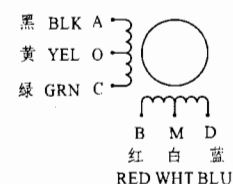
MOONS' STEPPING MOTOR
TYPE 23HS2070-01
XXXXXXXX YY/MM/DD

Work Order
加工单

Date Format
日期格式

连接器针位 vs. 引线颜色
Pin No. vs. Lead Wire Colour

CN1 PIN No.	颜色 COLOR
1	黑 BLK
2	黄 YEL
3	绿 GRN
4	红 RED
5	白 WHT
6	蓝 BLU

接线图
Wiring Diagram励磁顺序 vs. 旋转方向
Exciting Sequence vs. Direction of Rotation

Exciting Sequence vs. Direction of Rotation

STEP	A	B	C	D	O	M	
1	-	-	-	-	+	+	ccw ↑
2	-	-	-	-	+	+	
3	-	-	-	-	+	+	
4	-	-	-	-	+	+	

从安装面看为顺时针方向
Clockwise view from mounting side

Clockwise view from mounting side

规格 Specifications

1. 相数 Number of Phase	4
2. 步距角 Step Angle	1.8°
3. 额定电压 Rated Voltage	1.6V DC
4. 额定电流 Rated Current	2.0A
5. 保持力矩 Holding Torque	603mN.m Min. (Two phases on rated current)
6. 相电阻 Phase Resistance	0.8±0.1Ω (20°C)
7. 相电感 Phase Inductance	1.3mH±20% (1kHz 1V rms)
8. 转子惯量 Rotor Inertia	260g.cm ²
9. 电机重量 Motor Weight	600g
10. 绝缘等级 Insulation Class	B(130°C)

渐开线齿轮参数 INVOLUTE GEAR INFORMATION

渐开线 Involute	渐开线 Involute
齿形 Tooth Type	渐开线 Involute
齿数 Number of Teeth	26
模数 Number of Module	0.5
压力角 Pressure Angle	20°
分度圆直径 Standard Pitch Circle Diameter	φ13.45 REF
齿顶圆直径 Outside Circle Diameter	φ14.49 ⁹ a ₁
公法线长度 Displacement Over 3 Teeth	3.87-0.022 (3齿)
一齿径向综合公差 Max Tooth-to-tooth Composite Error Tolerance	0.036
径向综合公差 Max Total Composite Error Tolerance	0.063
螺旋角和旋向 Helix Angle & Tooth Direction	15°&右旋(Rightp)
精度等级 Quality	AGMA Q7
材料 Material	BRASS

保 密

F		
E		
D		
C	195 ⁺¹⁰ WAS 270±10 AND AWG22 UL1061 WAS AWG24 UL3266	2011.03.16
B	Change the terminal molex 08-50-0113 was 08-52-0101; Change the pulley length 11±0.2 was 21.5±0.2	2010.12.21
A	原始版本 Original revision	2010.09.17
REV.	版本记录 REVISION RECORD	DATE

Unit:mm
第一角画法
FIRST ANGLE METHOD
公差与极限尺寸公差
Tolerances for linear and angular dimensions without individual tolerance indications
GB/T 1804-m eqv ISO 2768-1:m
公差与极限尺寸公差
Geometrical tolerance for features without individual tolerance indications
GB/T 1184-K eqv ISO 2768-2:K

批准 Approve	王伟	3-16
标准化 Standard	王伟	7-16
工艺 Technology	王伟	11-3-16
审核 Check	王伟	11-2-16
设计 Design	王伟	2011.03.16
NAMES	SIGNATURE	DATE

MOONS'
Shanghai Moons' Electric Co., Ltd.

Hybrid Stepping Motor

This document is released for information only. Its reproduction in whole or in part or its dissemination to third parties is prohibited. All trademarks and registered trademarks appearing on this document are the property of their respective owners.

Type: 23HS2070-01 Rev. C SCALE 1:1 Sheet 1 of 1