

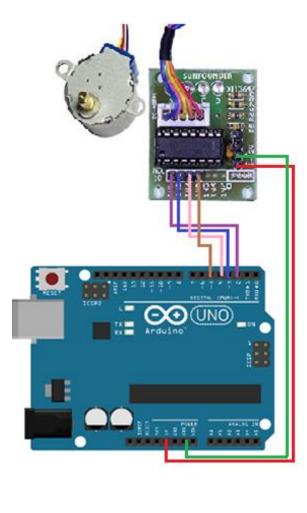
SYNACORP TRADING & SERVICES No.9, 1st Floor, Lrg 1/SS2, Bandar Tasek Mutiara, 14120 Simpang Ampat, S.Prai (S), Penang Tel : +604.504.1617 Hunting Line : 012.4033.474 Fax : +604.502.1726 (Website) http://www.synacorp.my (Email) sales@synacorp.com.my

# Application: Arduino and Step Motor Controller ULN2003

#### **COMPONENT NEEDED:**

- 5V Stepper Motor + ULN2003 Driver Board Set
- Arduino UNO
- Arduino IDE
- Jumper wire
- Breadboard

### **CONNECTION:**



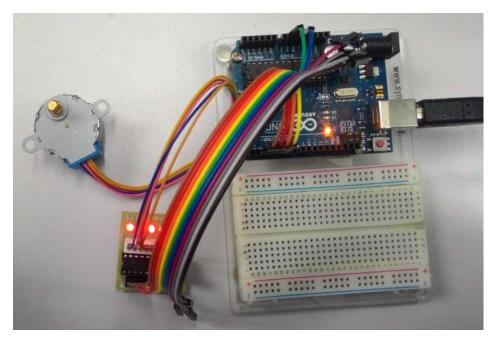
<b>Driver Board</b>	Arduino
IN1	D2
IN2	D3
IN3	D4
IN4	D5
-5V	GND
+5V	5V



SYNACORP TRADING & SERVICES No.9, 1st Floor, Lrg 1/SS2, Bandar Tasek Mutiara, 14120 Simpang Ampat, S.Prai (S), Penang Tel : +604.504.1617 Hunting Line : 012.4033.474 Fax : +604.502.1726 (Website) http://www.synacorp.my (Email) sales@synacorp.com.my

- 1. Connect the circuit as shown in figure above.
- 2. Open your Arduino IDE.
- 3. Select the right board type and COM port.
- 4. Upload the sketch. You can get the sketch from *Application\_Sketch*.
- 5. Open the serial monitor to see the result.

# **RESULT:**



# **CONCLUSION:**

That's it! The stepper motor are working.