

keyestudio

Keyestudio 1602 I2C Module



Introduction

This is great LCD display compatible with arduino. With limited pin resources, your project will quickly run out of resources using normal LCDs. With this I2C interface LCD module, you only need 2 lines (I2C) to display the information. If you already have I2C devices in your project, this LCD module actually cost no more resources at all. The address can be set 0x27.

Specification

I2C Address: 0x27

Back lit (Blue with white char color)

Supply voltage: 5V

Interface: I2C/TWI x1, Gadgeteer interface x2

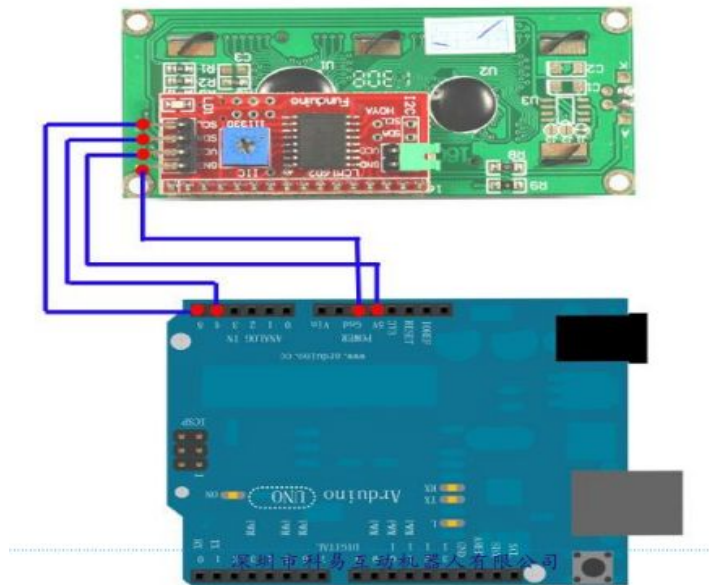
Adjustable contrast

Size: 82x35x18 mm

Connection diagram

I602 is equipped with 4 pins in total. SCL should be connected to analog 5, SDA to analog 4, VCC to +5V and GND to ground. Below is connection diagram for your reference:

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Sample code

//Compatible with the Arduino IDE 1.0

//Library version:1.1

#include <Wire.h>

#include <LiquidCrystal_I2C.h>

LiquidCrystal_I2C lcd(0x27,16,2); // set the LCD address to 0x27 for a 16 chars and 2 line display

void setup()

{

 lcd.init(); // initialize the lcd

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 // Print a message to the LCD.

 lcd.backlight();

 lcd.setCursor(3,0);

 lcd.print("Hello, world!");

 lcd.setCursor(2,1);

 lcd.print("keyestudio!");

}

void loop()

{

}