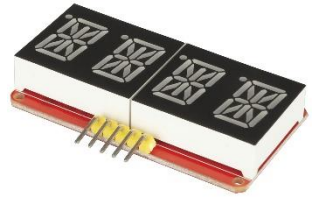


# Quad 14 Segment Alphanumeric Display Module

This unit, which measures only 50l x 28w x 10h features an impressive 0.54inch (14mm) character height enabling you to display all alphanumerics in either red or yellow. 4 x 20mm mounting holes are provided, enabling you to fix the unit behind a panel with a suitable red or yellow perspex filter for a very professional display. It is quite bright but is capable of being dimmed.

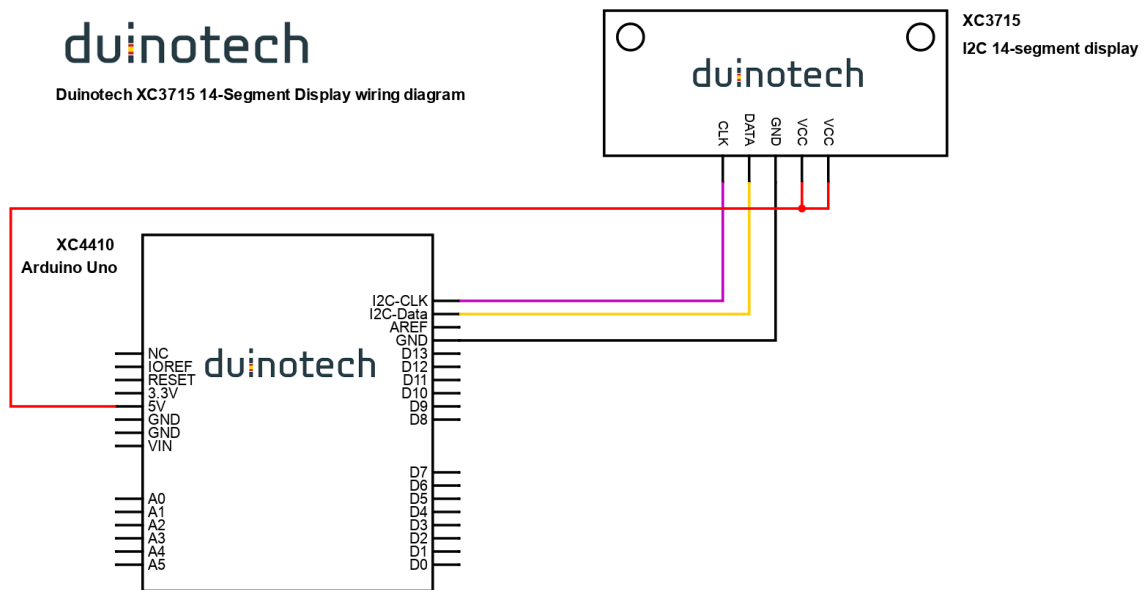


## Specifications

Power: 5vdc

Interface: i2c

## Wiring Diagram



## Required Libraries

- Adafruit LED Backpack
- Adafruit GFX

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## Example Code

```
#include <Wire.h>
#include <Adafruit_GFX.h>
#include "Adafruit_LEDBackpack.h"
#define DISPLAY_ADDRESS 0x70
Adafruit_AlphaNum4 disp = Adafruit_AlphaNum4();
String text_to_display = " HELLO WORLD ";
int string_pointer = 0;
char display_buffer[4];
long last_display_refresh = 0L;
void setup()
{
  disp.begin(DISPLAY_ADDRESS);
  disp.setBrightness(4);
  disp.clear();
  disp.writeDisplay();
}
void loop()
{
  long current_millis = millis();
  if(current_millis - last_display_refresh > 300)
  {
    if(string_pointer >= text_to_display.length())
    {
      string_pointer = 0;
      // Move the existing characters one position to the left
      for(int u = 0; u < 3; u++)
        display_buffer[u] = display_buffer[u + 1];
      // Replace the right-most character with the next
      // character from the text_to_display variable
      display_buffer[3] = text_to_display.charAt(string_pointer++);
      // send the text to the display
      for(int i = 0; i < 4; i++)
        disp.writeDigitAscii(i, display_buffer[i]);
      // display the text
      disp.writeDisplay();
      // update the timing variable
      last_display_refresh = current_millis;
    }
  }
}
```