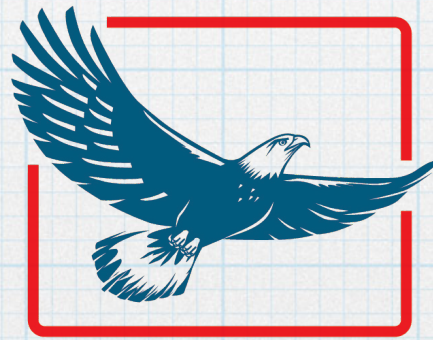




Atom IDE, Fritzing ve Arduino ile LCD Ekran Kullanımı

ANTALYA SINAV ANADOLU LİSESİ ROBOTİK TOPLULUĞU



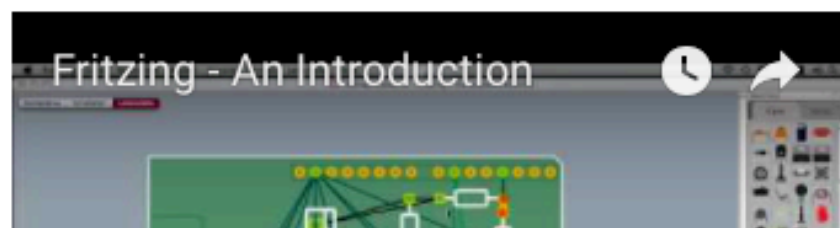
SINAV KOLEJİ



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ilkerkaya@antalyasinaavkoleji.com



More projects...



Fritzing is open source, free software. Please consider [donating to Friends-of-Fritzing e.V.](#) before downloading the app.

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☐ No Donation

☐ € 10

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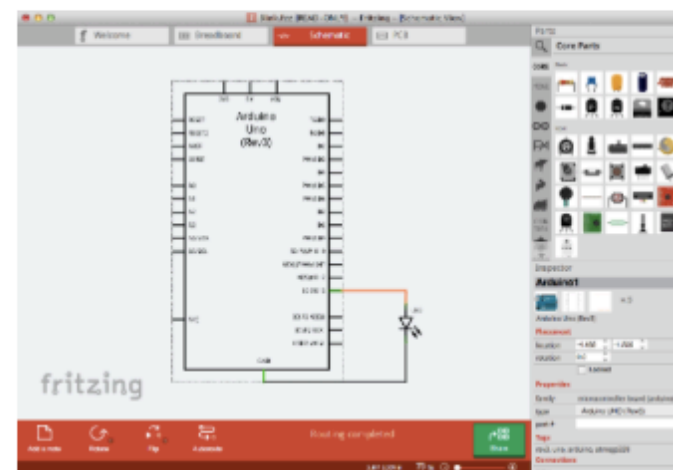
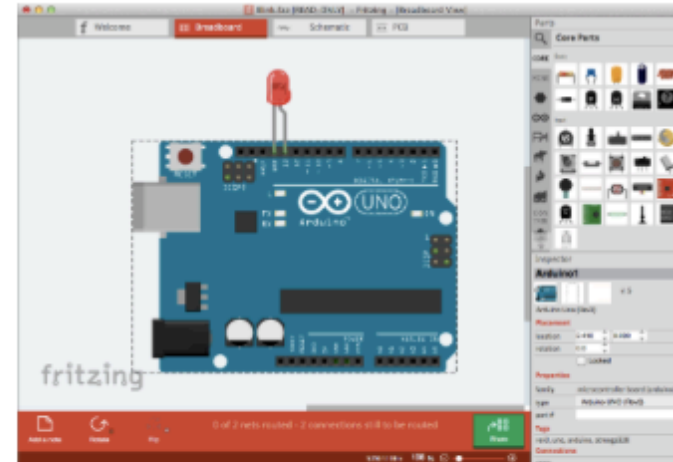
Version **0.9.3b** was released on **June 2, 2016**.

Downloaded 780497 times.

See [what's new](#) and the [known issues](#).

Read the [installation instructions](#) below.

This version includes translations for:
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 (Dutch), Português (eu) (Portuguese EU), Português
 (br) (Portuguese BR), 日本語 (Japanese), 中文 (简体)
 (Chinese Simplified), 正體中文 (繁體) (Chinese
 Traditional), Русский (Russian), Čeština (Czech), 한국
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Arduino İçin Muhteşem Bir IDE!



The image features a promotional banner for the Atom IDE. The banner has a light green background with abstract circular patterns. On the left, the Atom logo (a stylized atom) is followed by the word "ATOM" in large, dark letters. Below this, it says "A hackable text editor for the 21st Century". A red button with a download icon and the text "Download For Mac" is positioned below the text. To the right of the button, there is a circular video player showing a group of people, with a play button in the center. Below the banner, a screenshot of the Atom IDE interface is shown. The interface has a dark theme. On the left is a file explorer showing a directory structure with folders like "build", "docs", "dot-atom", "exports", "keymaps", "menus", "node_modules", "resources", "script", "spec", "src", "static", and "vendor". The "src" folder is selected. The main editor area shows a file named "atom.coffee" with CoffeeScript code. The code includes comments and function definitions. At the bottom of the editor, there is a status bar showing "src/atom.coffee*", "31,17", "UTF-8", "CoffeeScript", and a git icon with the word "master".

ATOM
A hackable text editor
for the 21st Century

Download For Mac

For macOS 10.8 or later. Other platforms - Beta releases

```
18  
19 # Essential: Atom global for dealing with packages, themes, menus, and the win  
20 #  
21 # An instance of this class is always available as the `atom` global.  
22 module.exports =  
23 class Atom extends Model  
24   @version: 1 # Increment this when the serialization format changes  
25  
26   # Load or create the Atom environment in the given mode.  
27   #  
28   # Returns an Atom instance, fully initialized.  
29   @loadOrCreate: (mode) ->  
30     startTime = Date.now()  
31     atom = @deserialize(@loadState(mode)) ? new this({mode, @version})  
32     atom.deserializeTimings.atom = Date.now() - startTime  
33
```

src/atom.coffee* 31,17 UTF-8 CoffeeScript master

<https://atom.io>

LCD Ekran!



2x16 LCD Ekran - Yeşil Üzerine Siyah - TC1602A

Tanım:

Uygulamalarınızda kullanabileceğiniz kaliteli bir LCD, 16x2 karakter yeşil üzerine siyah yazı yazmaktadır.

Özellikleri;

+5V ile çalışmaktadır.

Back Lighting özelliğine sahiptir.

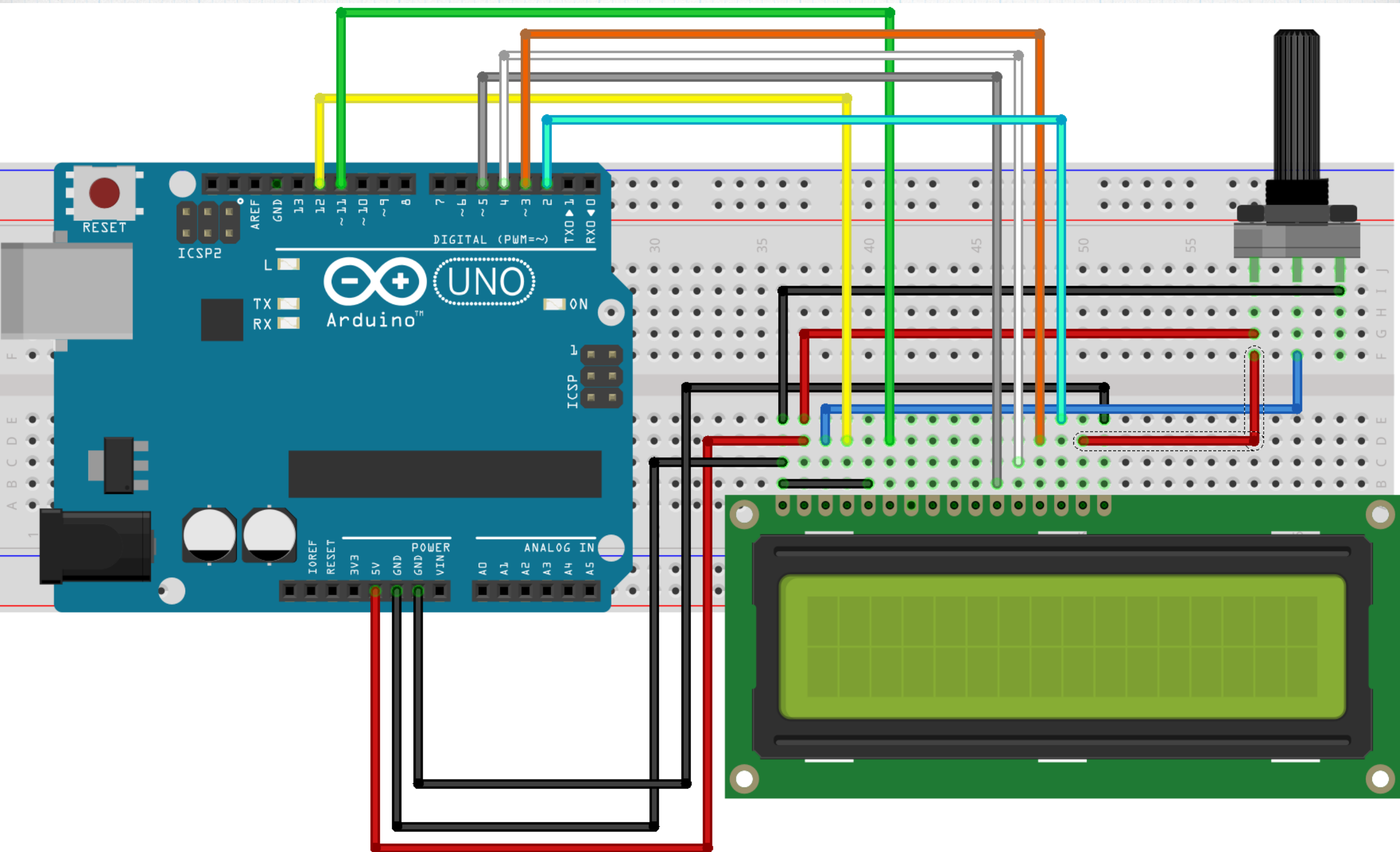
LCD arka fon ışığı olmadan 4mA akım çekmektedir.

Boyutları 80x36x9.4mm'dir

Çalışma sıcaklığı -20 ile +70 derece arasındır.

Bacak Baęlantıları;

LCD Pin	Sembol	Baęlantı
1	Vss	GND
2	Vdd	+5V
3	Vo	Kontrast ayarı
4	RS	Register seęme pini
5	R/W	Data read/write pini.
6	E	Enable pini
7	DB0	Data Bus 0
8	DB1	Data Bus 1
9	DB2	Data Bus 2
10	DB3	Data Bus 3
11	DB4	Data Bus 4
12	DB5	Data Bus 5
13	DB6	Data Bus 6
14	DB7	Data Bus 7
15	A	LED arka ıřık +5V
16	K	LED arka ıřık gnd



Kod



PlatformIO Home

lcd.ino

```
1  #include <LiquidCrystal.h>
2  LiquidCrystal lcd(12,11,5,4,3,2);
3
4  void setup() {
5      lcd.begin(16,2);
6      lcd.clear();
7      lcd.print("Merhaba Dunya!");
8  }
9
10 void loop() {
11
12 }
13
```


Özel Karakter?

```
PlatformIO Home  lcd.ino  ozelkarakter.ino
1  #include <LiquidCrystal.h>
2  LiquidCrystal lcd(12,11,5,4,3,2);
3
4  byte ozelkarakter[8] =
5  {
6      B00000,
7      B00000,
8      B01010,
9      B00000,
10     B10001,
11     B01110,
12     B00000,
13     B00000,
14     };
15
16  void setup() {
17
18     lcd.begin(16,2);
19     lcd.clear();
20     lcd.setCursor(0,0);
21     lcd.print("OZEL KARAKTER");
22     lcd.createChar(1, ozelkarakter);
23     lcd.setCursor(0,1);
24     lcd.write(1);
25     }
26
27  void loop() {
28
29
30     }
31
```


Challenge

- 1- Uzaklığı LCD Ekranı Yazdırma!
- 2- Ortam Sıcaklığını Ekranı Yazdırma!

* To be continued...