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Lcd Display For Ezb4 - Using Arduino Mini As Controler

Hello again,

I have created an LCD Display for the EZB4.

This is a very cheep and easy project.

You will need

1 LCD display (my code is set up for 2 line 16 char display) here are 5 of them for about 10 bucks USD

1 Arduino (any model will work but i recomend the Pro MINI)
Here is a listing of them on ebay

Oh here is the wiring . again I am using the pro mini . this is...

Last Updated: 9/15/2015

Step 1

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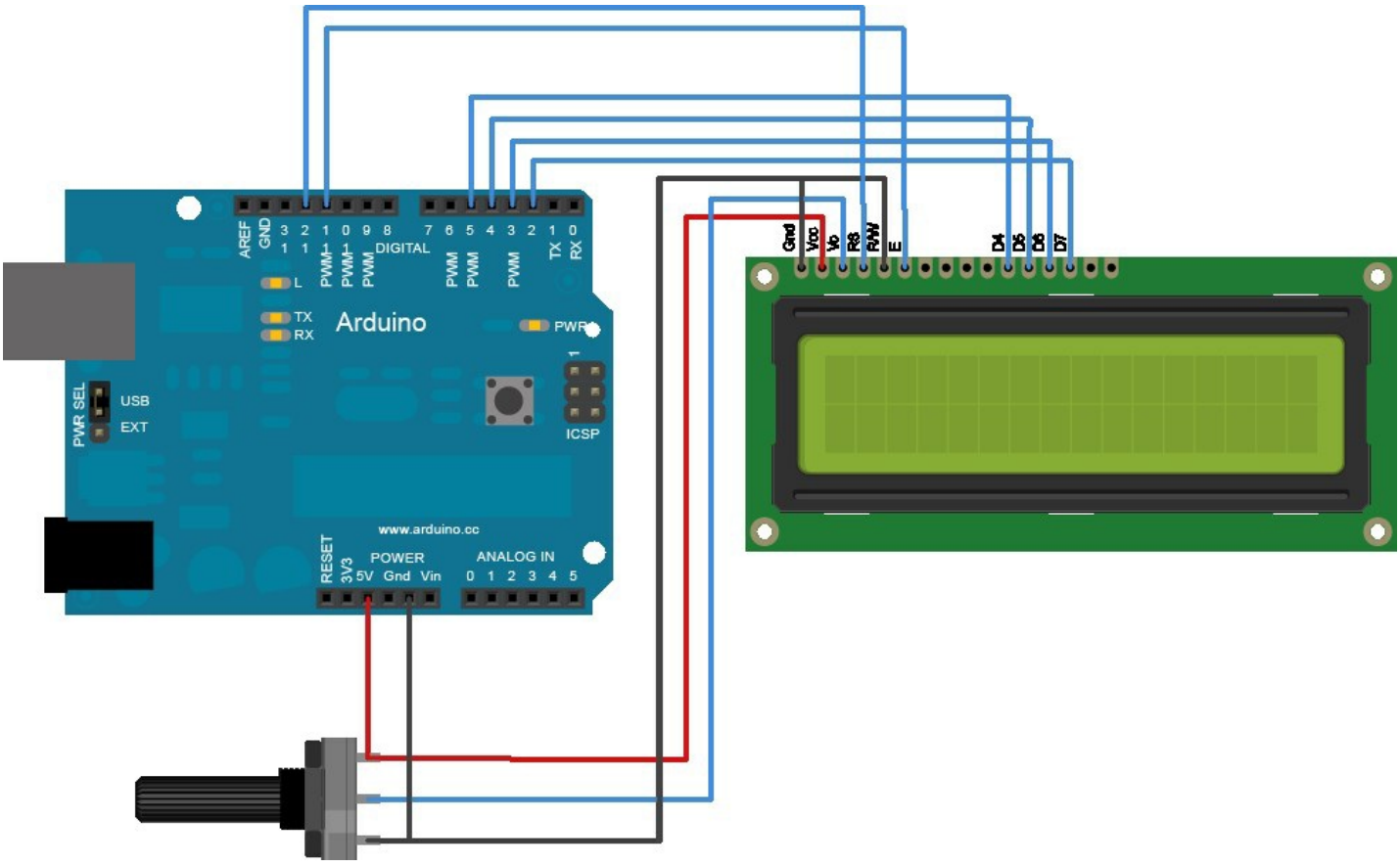
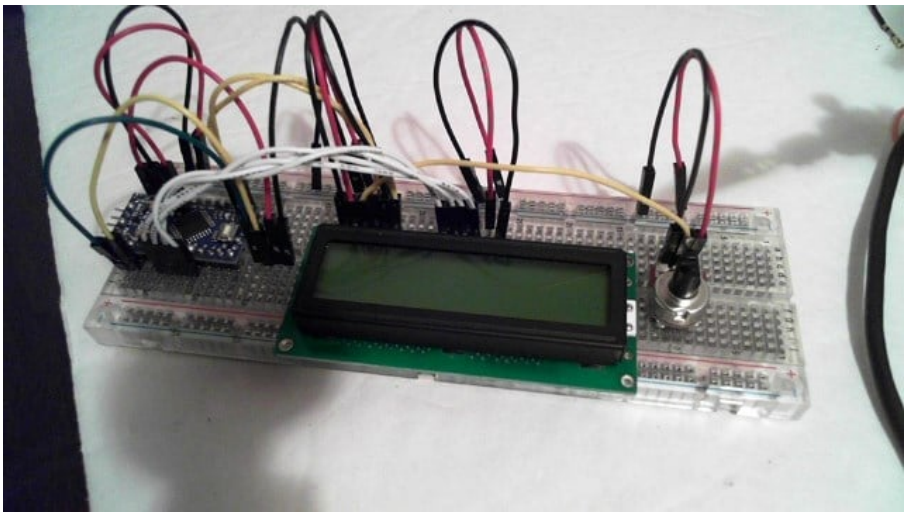
Oh here is the wiring . again I am using the pro mini . this is showing and UNO board. the pin outs are the same.



To wire your LCD screen to your Arduino, connect the following pins: LCD RS pin to digital pin 12 LCD Enable pin to digital pin 11 LCD D4 pin to digital pin 5 LCD D5 pin to digital pin 4 LCD D6 pin to digital pin 3 LCD D7 pin to digital pin 2 Additionally, wire a 10K pot to +5V and GND, with it's wiper (output) to LCD screens VO pin (pin3).



Arduino code: ``` // LCD and Arduino to EZB4 // Project Created by Luis A. Vazquez // www.dragontear.com

#include <LiquidCrystal.h> String content = ""; LiquidCrystal lcd(12, 11, 5, 4, 3, 2); void setup() { Serial.begin(9600); lcd.begin(16, 2); lcd.setCursor(0,0); lcd.print("EZB4 LCD Display"); lcd.setCursor(0,1); lcd.print("By DragonTear"); } void loop() { readSignalFromComp(); }

void readSignalFromComp() { if (Serial.available()) { delay(100); while (Serial.available() > 0) { int temp = Serial.read();

Serial.print("Debug:"); Serial.println(temp);

if (temp == 17){lcd.clear();}

if (temp == 18){lcd.setCursor(0,0);}

if (temp == 19){lcd.setCursor(0,1);}

if (temp > 31){ lcd.write(temp); }

}

} }

```

EZ-Builder Script ``` UartInit(0,2,9600) UARTWrite(0,2,17, 18, "Hello From" , 19 , "EZ-Builder") ```

The control codes are:

17 - to clear the screen 18 - Move cursor to line 1 19 - Move cursor to line 2

I hope this was complete and self explanitory, but if not please ask , I am willing to help.
```