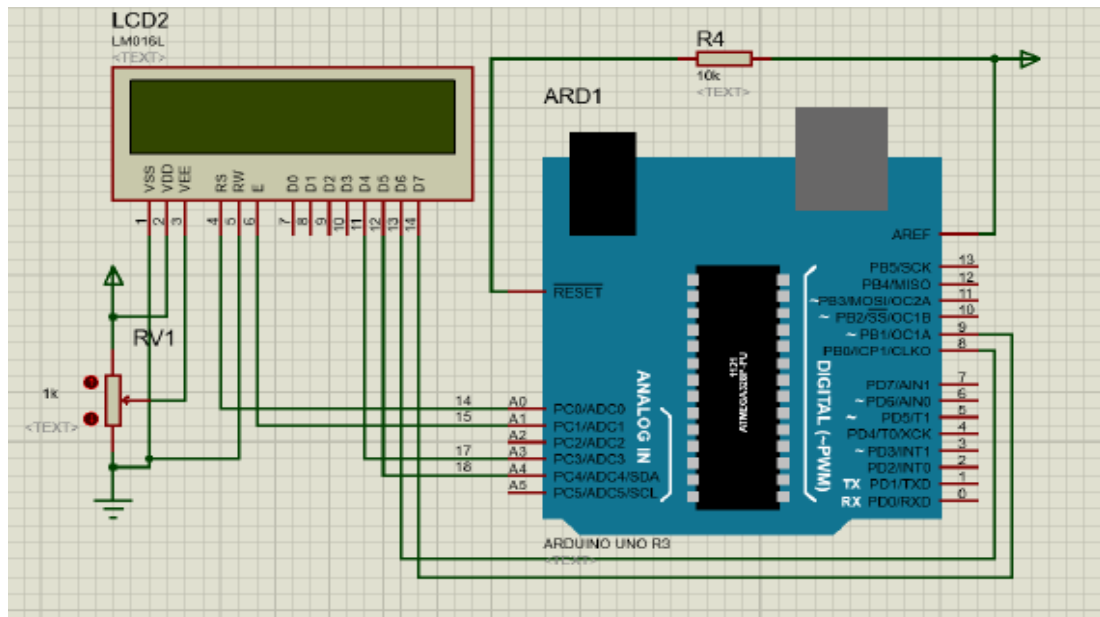


PROYECTO – DISPLAY DE CRISTAL LIQUIDO (LCD) 16 * 2

PRUEBAS CON EL LCD



Programa 01.

```
#include <LiquidCrystal.h>

//          RS E  D4 D5 D6 D7
LiquidCrystal lcd(14, 15, 17, 18, 8, 9);

void setup()
{
  lcd.begin(16, 2); //Inicio el LCD

  lcd.clear();
  lcd.print("MI PRIMER - MSG");
  delay (1000);
}

void loop()
{
  lcd.clear();
  lcd.setCursor(0, 0);lcd.print("PRIMERA - LINEA ");
  lcd.setCursor(0, 1);lcd.print("SEGUNDA - LINEA ");
  delay (1000);
}
```

Programa 02.

```
#include <LiquidCrystal.h>

//          RS E  D4 D5 D6 D7
LiquidCrystal lcd(14, 15, 17, 18, 8, 9);

void setup()
{
  lcd.begin(16, 2); //Inicio el LCD
}

void loop()
{
  lcd.blink();
}
```

```
lcd.clear();

lcd.setCursor(0, 0);lcd.print("BLINK");

lcd.setCursor(3, 1);
delay (2000);
lcd.noBlink();

lcd.cursor();

lcd.clear();

lcd.setCursor(0, 0);lcd.print("CURSOR");

lcd.setCursor(10, 0);
delay (2000);
lcd.noCursor();

lcd.clear();

lcd.setCursor(0, 0);lcd.print("DISPLAY");

delay (500);

lcd.noDisplay();
delay (2000);

lcd.display();
delay (1000);
}
```

Programa 03.

```
#include <LiquidCrystal.h>

//          RS E  D4 D5 D6 D7
LiquidCrystal lcd(14, 15, 17, 18, 8, 9);
byte Pakman_1[8] = {
  B01110,
  B10101,
  B10010,
  B10100,
  B10010,
  B10001,
  B01110,
}
```

```

B00000
};
byte Pakman_2[8] = {
B01110,
B10101,
B10011,
B10100,
B10011,
B10001,
B01110,
B00000
};
byte Fantasma[8] = {
B01110,
B10001,
B11011,
B10001,
B10001,
B10101,
B10001,
B00000
};
void setup()
{
  lcd.begin(16, 2);
  //MAXIMO 7 CARACTERES ESPECIALES
  lcd.createChar(0, Pakman_1);
  lcd.createChar(1, Pakman_2);
  lcd.createChar(2, Fantasma);
}
void loop()
{
  lcd.clear();
  lcd.setCursor(0, 0); lcd.write(byte(0));
  lcd.setCursor(1, 0); lcd.write(byte(1));
  lcd.setCursor(2, 1); lcd.write(byte(2));
  delay(300);
}

```

Programa 04.

```

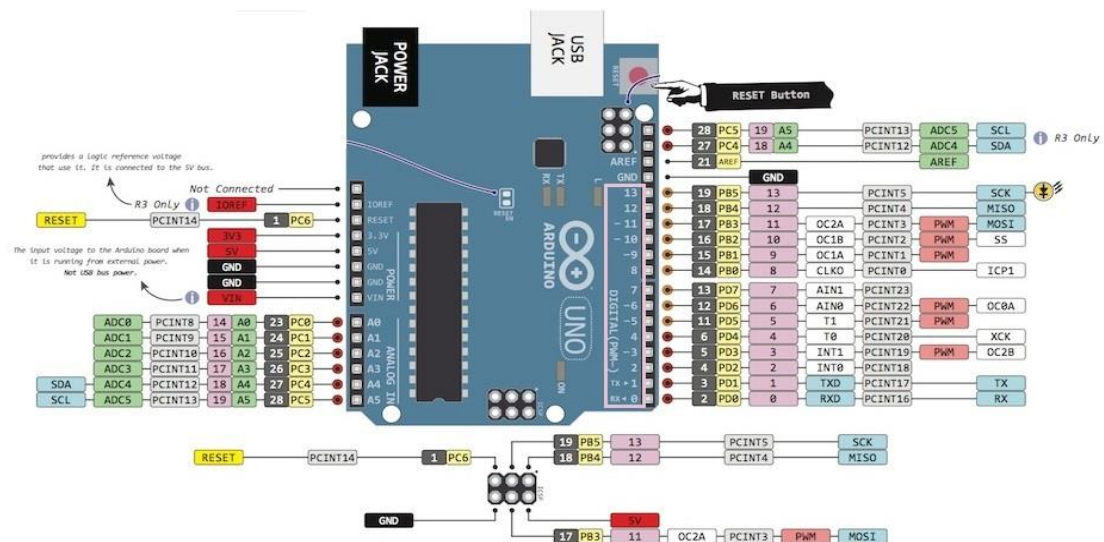
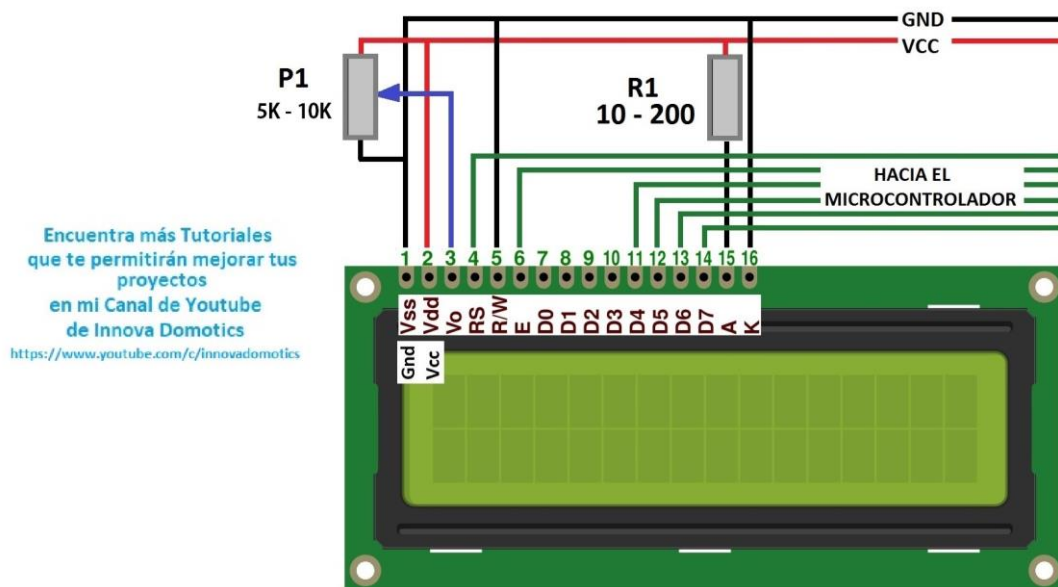
#include <LiquidCrystal.h>
//          RS E  D4 D5 D6 D7
LiquidCrystal lcd(14, 15, 17, 18, 8, 9);
byte Pakman_1[8] = {
B01110,
B10101,
B10010,
B10100,
B10010,
B10001,
B01110,
B00000
};
byte Pakman_2[8] = {

```

```

B01110,
B10101,
B10011,
B10100,
B10011,
B10001,
B01110,
B00000
};
byte Fantasma[8] = {
B01110,
B10001,
B11011,
B10001,
B10001,
B10101,
B10001,
B00000
};
void setup()
{
  lcd.begin(16, 2);
  //MAXIMO 7 CARACTERES ESPECIALES
  lcd.createChar(0, Pakman_1);
  lcd.createChar(1, Pakman_2);
  lcd.createChar(2, Fantasma);
}
void loop()
{
  int Select = 0;
  lcd.clear();
  for (byte i=0; i<17; i++)
  {
    lcd.clear();
    lcd.setCursor(0, 0);
    lcd.print(" P A C K M A N ");
    if (Select==0)
    {
      lcd.setCursor(i, 1); lcd.write(byte(0));
      lcd.print(" ");lcd.write(byte(2));
    }
    if (Select==1)
    {
      lcd.setCursor(i, 1); lcd.write(byte(1));
      lcd.print(" ");lcd.write(byte(2));
    }
    Select++;
    if (Select>=2){Select=0;}
    delay(400);
  }
}

```

[illegible]

```
lcd.setCursor(0, 0)
```

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proyectos
en mi Canal de Youtube
de Innova Domotics**
<https://www.youtube.com/c/innovadomotics>

```

byte Pakman_1[8] = {
B01110,
B10101,
B10010,
B10100,
B10010,
B10001,
B01110,
B00000
};

```

