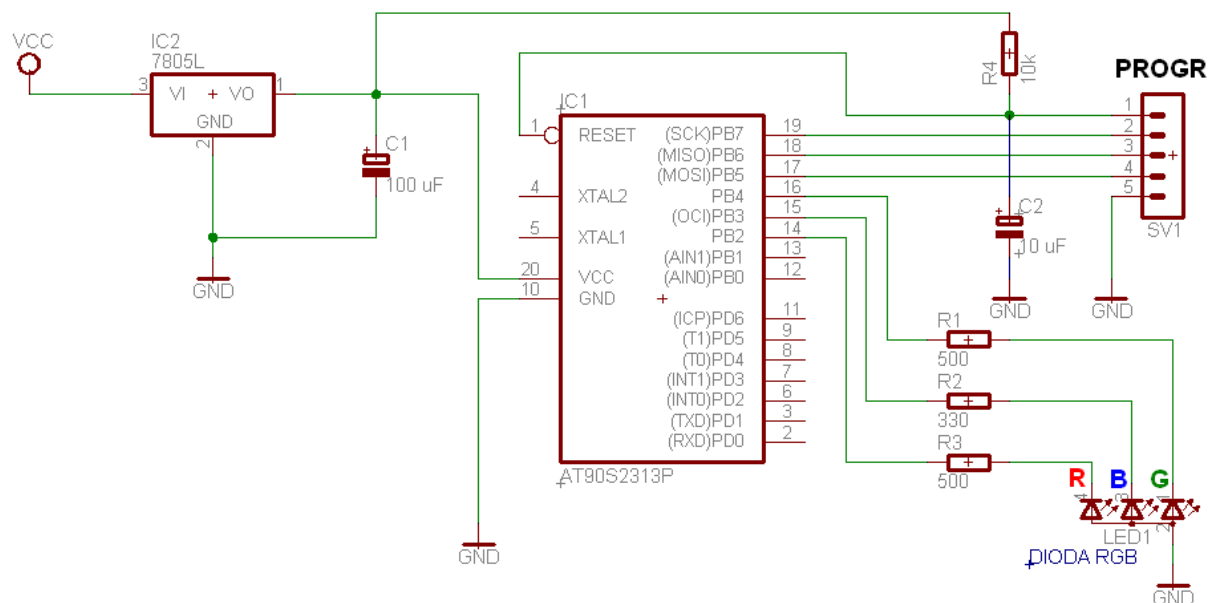


Sterownik Diody RGB



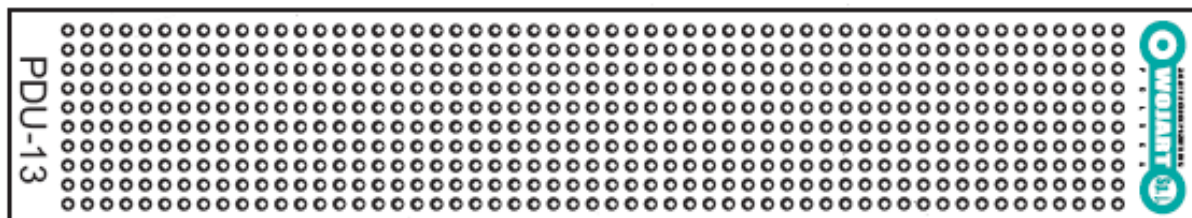
Lista elementów

Stabilizator LM 7805 0,5A
Procesor ATTINY 2313 di1
Dioda RGB – wspólna masa
Kondensator elektrolityczny 100uF /16V
Kondensator elektrolityczny 10uF /16V
Rezystor R1 500om
Rezystor R2 330om
Rezystor R3 500om
Rezystor R4 10k

Listwa goldpin – do programowarki

Programowarka od sterownika KNEST – Sample Electronics Programmer

Płytki uniwersalna – same pady np.:



Program przykładowy obsługi diody RGB

```
$regfile = "ATtiny2313.dat"
```

```
$crystal = 1000000
```

```
'$baud = 9600
```

```
$hwstack = 40
```

```
$swstack = 8
```

```
$framesize = 16
```

```
Dim I As Byte
```

```
Dim K As Byte
```

```
Dim L As Byte
```

```
Dim N As Byte
```

```
Config Portb = Output
```

```
Config Timer0 = Pwm , Prescale = 1 , Compare A Pwm = Clear Up , Compare B Pwm = Clear Up
```

```
Config Timer1 = Pwm , Prescale = 1 , Compare A Pwm = Clear Down , Compare B Pwm = Clear Down
```

```
Set Tccr0a.7 : Set Tccr0a.5 : Set Tccr0a.0
```

```
Set Tccr1a.7 : Set Tccr1a.5 : Set Tccr1a.0
```

```
'Pwm0b = Pwm0b + 1      'nie wykorzystany
```

```
Do
```

```
For I = 1 To 250 Step 1
```

```
Pwm1a = Pwm1a + 1          'niebieski
```

```
Waitms 20
```

```
Next I
```

```
For I = 1 To 250 Step 1
```

```
Pwm1a = Pwm1a - 1          'niebieski
```

```
Waitms 20
```

```
Next I
```

```
For I = 1 To 250 Step 1
```

```
Pwm0a = Pwm0a + 1          'zielony
```

```
Waitms 20
```

```
Next I
```

```
For I = 1 To 250 Step 1
```

```
Pwm0a = Pwm0a - 1          'zielony
```

```
Waitms 20
```

```
Next I
```

```
For I = 1 To 250 Step 1
```

```
Pwm1b = Pwm1b + 1          'czerwony
```

```
Waitms 20
```

```
Next I
```

```
For I = 1 To 250 Step 1
```

```
Pwm1b = Pwm1b - 1          'czerwony
```

```
Waitms 20
```

```
Next I
```

```
For I = 1 To 200 Step 1
```

```
Pwm1b = Pwm1b + 1          'zielony
```

```
Pwm1a = Pwm1a + 1          'niebieski
```

```
Pwm0a = Pwm0a + 1
```

Waitms 20
Next I

For I = 1 To 200 Step 1
Pwm1b = Pwm1b - 1
Pwm1a = Pwm1a - 1
Pwm0a = Pwm0a - 1
Waitms 20
Next I

'zielony
'niebieski

'niebieski

Pwm1b = Pwm1b + 10
Pwm1a = Pwm1a + 10
Pwm0a = Pwm0a + 10

'niebieski

If Pwm0a <= 5 Then
Pwm0a = Pwm0a + 1
End If

If Pwm0a >= 200 Then
Pwm0a = Pwm0a - 1
End If

If Pwm1b <= 5 Then
Pwm1b = Pwm1b + 1
End If

If Pwm1b >= 200 Then
Pwm1b = Pwm1b - 1
End If

If Pwm1a <= 5 Then
Pwm1a = Pwm1a + 1
End If

If Pwm1a >= 200 Then
Pwm1a = Pwm1a - 1
End If

Loop

End

POWODZENIA ☺