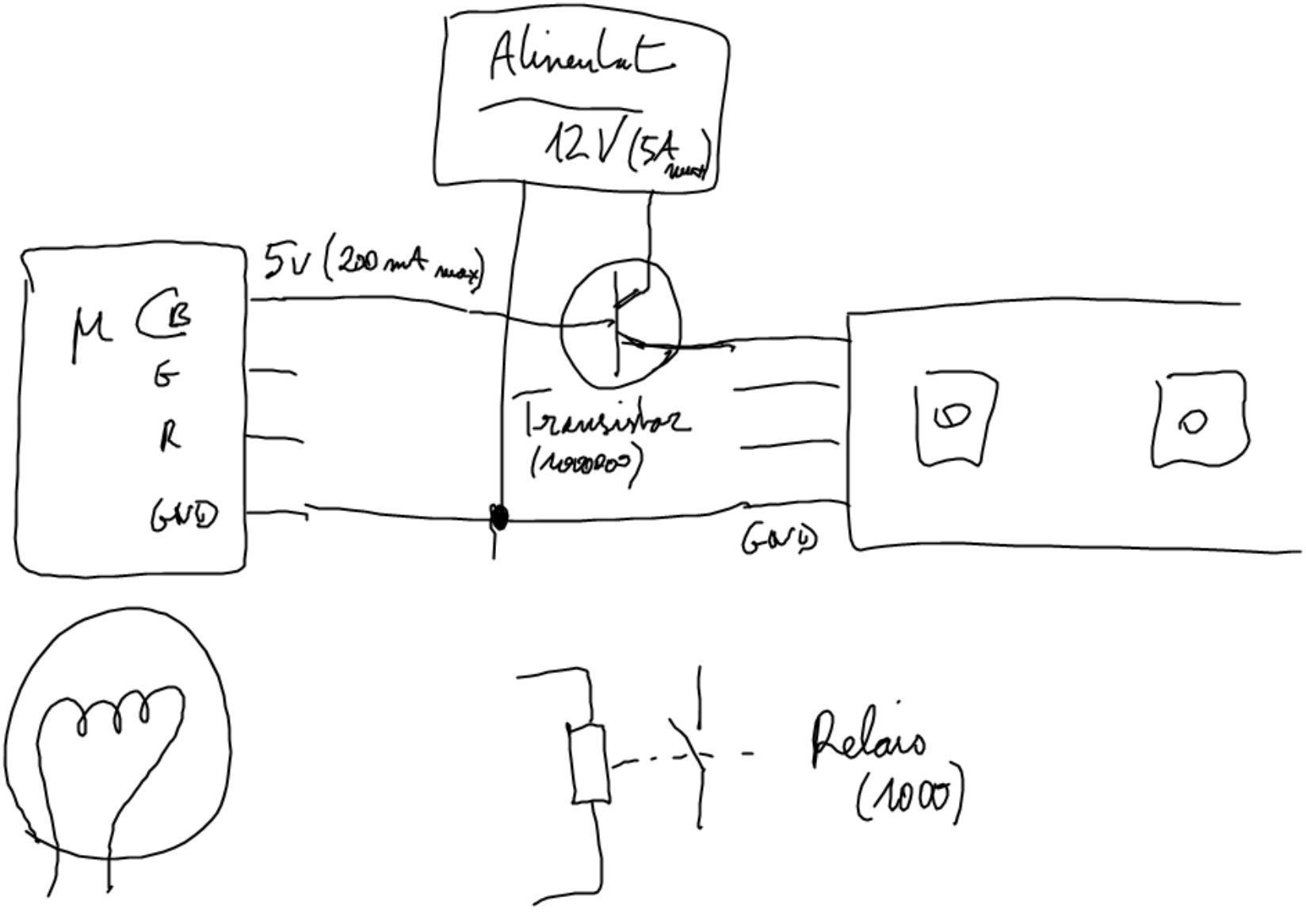
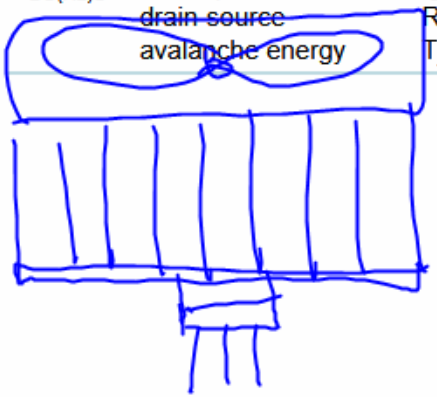

Alimentat
12V (5A max)
5V (200 mA max)
μ
B
G
R
GND
Transistor
(1000000)
GND
Relais
(1000)

- Automotive and general purpose power switching

1.4 Quick reference data

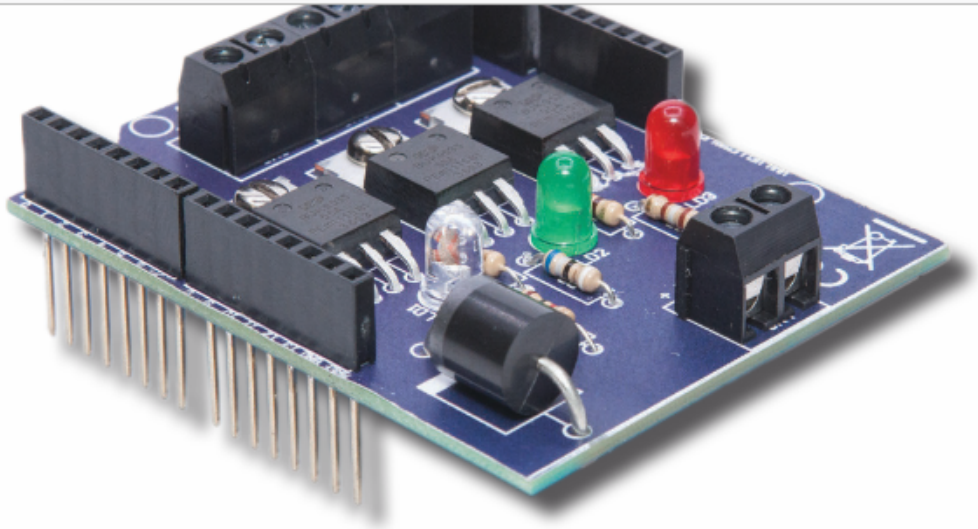
Table 1. Quick reference data

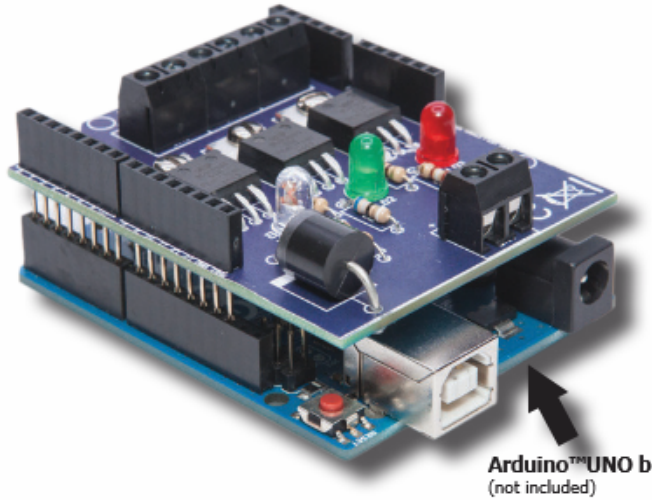
Symbol	Parameter	Conditions	Min	Typ	Max	Unit
V_{DS}	drain-source voltage	$T_j \geq 25$ °C; $T_j \leq 175$ °C	-	-	55	V
I_D	drain current	$T_{mb} = 25$ °C	-	-	34	A
P_{tot}	total power dissipation		-	-	85	W
Static characteristics						
R_{DSon}	drain-source on-state resistance	$V_{GS} = 10$ V; $I_D = 25$ A; $T_j = 25$ °C	-	24	32	mΩ
		$V_{GS} = 5$ V; $I_D = 25$ A; $T_j = 25$ °C	-	26	35	mΩ
Avalanche ruggedness						
$E_{DS(AL)S}$	non-repetitive drain-source avalanche energy	$I_D = 14$ A; $V_{sup} \leq 25$ V; $R_{GS} = 50$ Ω; $V_{GS} = 5$ V; $T_{j(init)} = 25$ °C; unclamped	-	-	49	mJ



Features

- downloadable example sketch
- stackable design: the shield can be stacked with other shields
- large user community
- requires 1 Arduino™ UNO (not included)

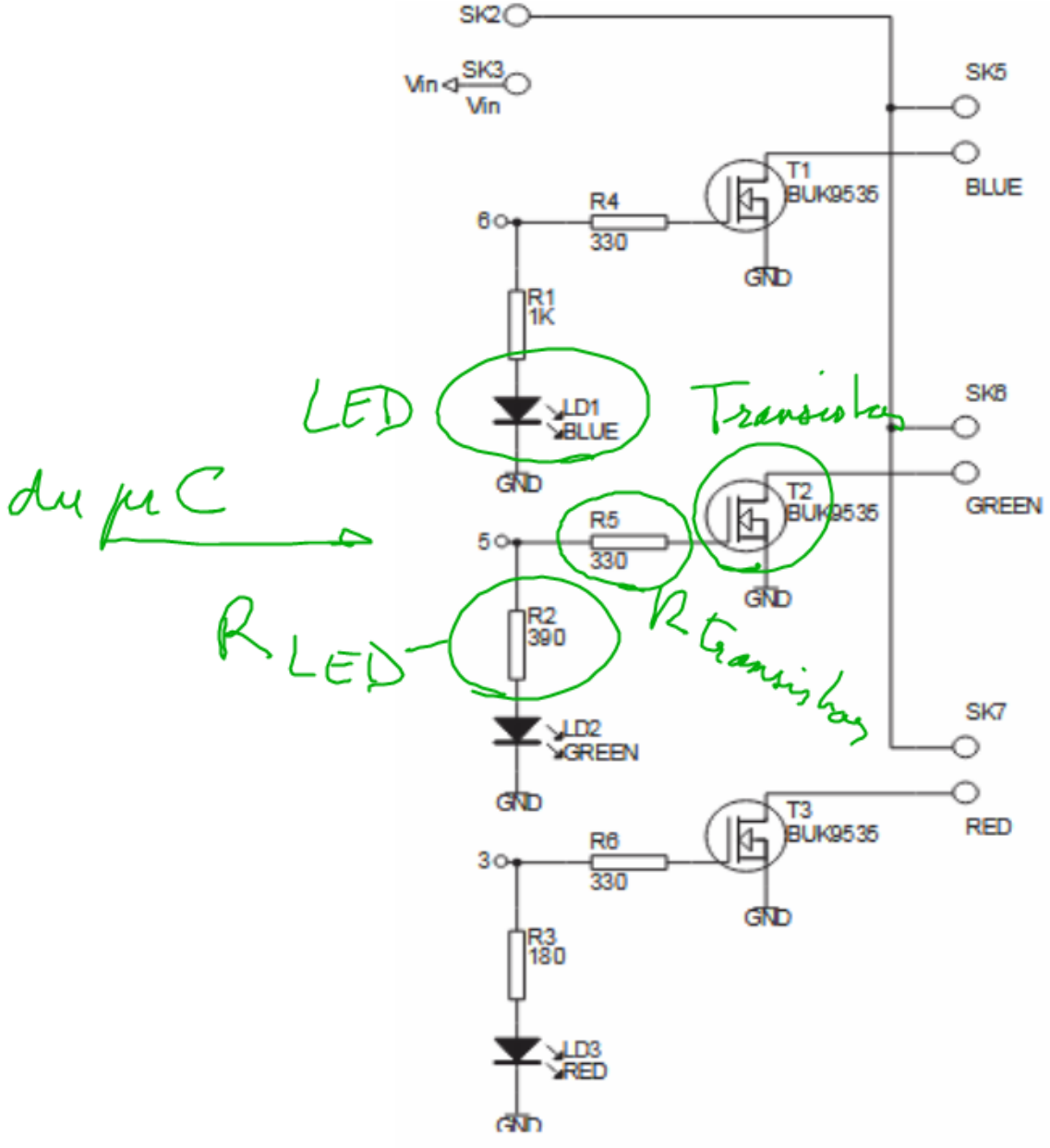




Arduino™UNO board
(not included)

Specifications

- 2 A load via Vin or 6 A load via external power
- 12 or 24 V external power supply
- uses pin 3, 5, 6 PWM on an Arduino™ UNO board
- dimensions: 68 x 53mm / 2.67 x 2.08"



Pin	Couleur
6	BLUE
5	VERTE
3	ROUGE

Circuit design Shiny Fyyran-Crift

https://www.tinkercad.com/things/cPXOjSKBy5D/editel?returnTo=%2Fdashboard

130 %

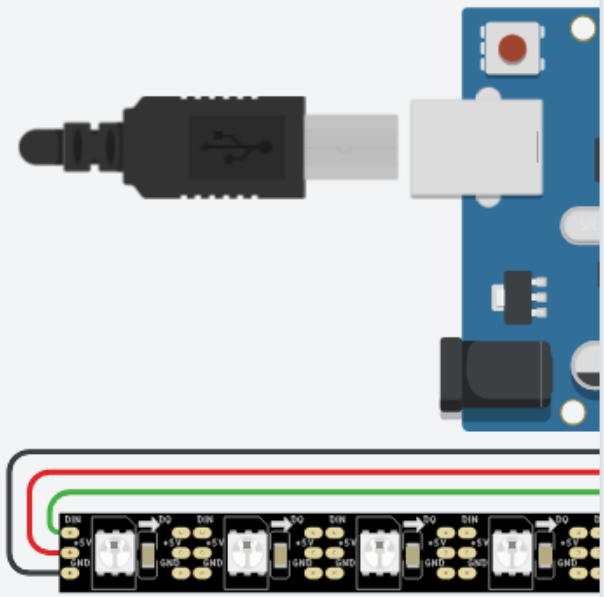
Yahoo mail | bal ac-strasbourg | professionnel | Utile | pour SI | MOTION - Hubs - Sho... | EV design – battery si... | SupTracker | grub-pc [Wiki ubuntu-... | Lecture perso

5/5

Shiny Fyyran-Crift

Toutes les modifications ont été enregistrées

Code | Démarrer la simulation | Envoyer v...



Texte

1 (Arduino Uno R3)

```
}

void loop() {
  setColor();

  for (int i=0; i < NUMPIXELS; i++) {
    // pixels.Color takes RGB values, from 0,0,0 up to 255,255,255
    pixels.setPixelColor(i, pixels.Color(redColor, greenColor, blue
    // This sends the updated pixel color to the hardware.
    pixels.show();
    // Delay for a period of time (in milliseconds).
    delay(delayval);
  }
}

// setColor()
// picks random values to set for RGB
void setColor(){
```

Moniteur série

FRA 16:52 20/05/2025