

Widerstände Resistor Kit 525

Sortiment

Datenblatt



Content:

- [1. Specifications](#)
- [2. Color Code Table](#)
- [3. Schematic](#)
- [4. Connection Diagram](#)

1. Specifications

- **Material:** Nichrome resistor
- **Power rating:** $\frac{1}{4}$ W
- **Type:** Metal film resistor
- **Number of resistors in the kit:** 525
- **EIA standard color coding**
- **Low noise and voltage coefficient**
- **Low temperature coefficient range**

The Resistor Kit 525 contains 525 metal film resistors. There are four packages with 50 resistors on tape and 13 packages with 25 resistors on tape. They are cut from the tape when needed to be used.

There is also a Standard EIA Color Code Table in the kit. Color coding is important because resistors are coded with colors, which identifies their value and function. Resistors in this kit are metal film resistors. Metal film resistor is an axial resistor which has a thin metal layer as a resistive element. In this kit, it is a nichrome element which provides stable performance in various environments.

AZ-Delivery Resistor Kit Contains:

- 25 PCS $0\Omega \pm 1\%$
- 25 PCS $10\Omega \pm 1\%$
- 25 PCS $20\Omega \pm 1\%$
- 25 PCS $47\Omega \pm 1\%$
- 25 PCS $470\Omega \pm 1\%$
- 25 PCS $2.2K\Omega \pm 1\%$
- 25 PCS $4.7K\Omega \pm 1\%$
- 25 PCS $22K\Omega \pm 1\%$
- 25 PCS $47K\Omega \pm 1\%$
- 25 PCS $100K\Omega \pm 1\%$
- 25 PCS $220K\Omega \pm 1\%$
- 25 PCS $470K\Omega \pm 1\%$
- 25 PCS $1M\Omega \pm 1\%$
- 50 PCS $100\Omega \pm 1\%$
- 50 PCS $220\Omega \pm 1\%$
- 50 PCS $1k\Omega \pm 1\%$
- 50 PCS $10k\Omega \pm 1\%$

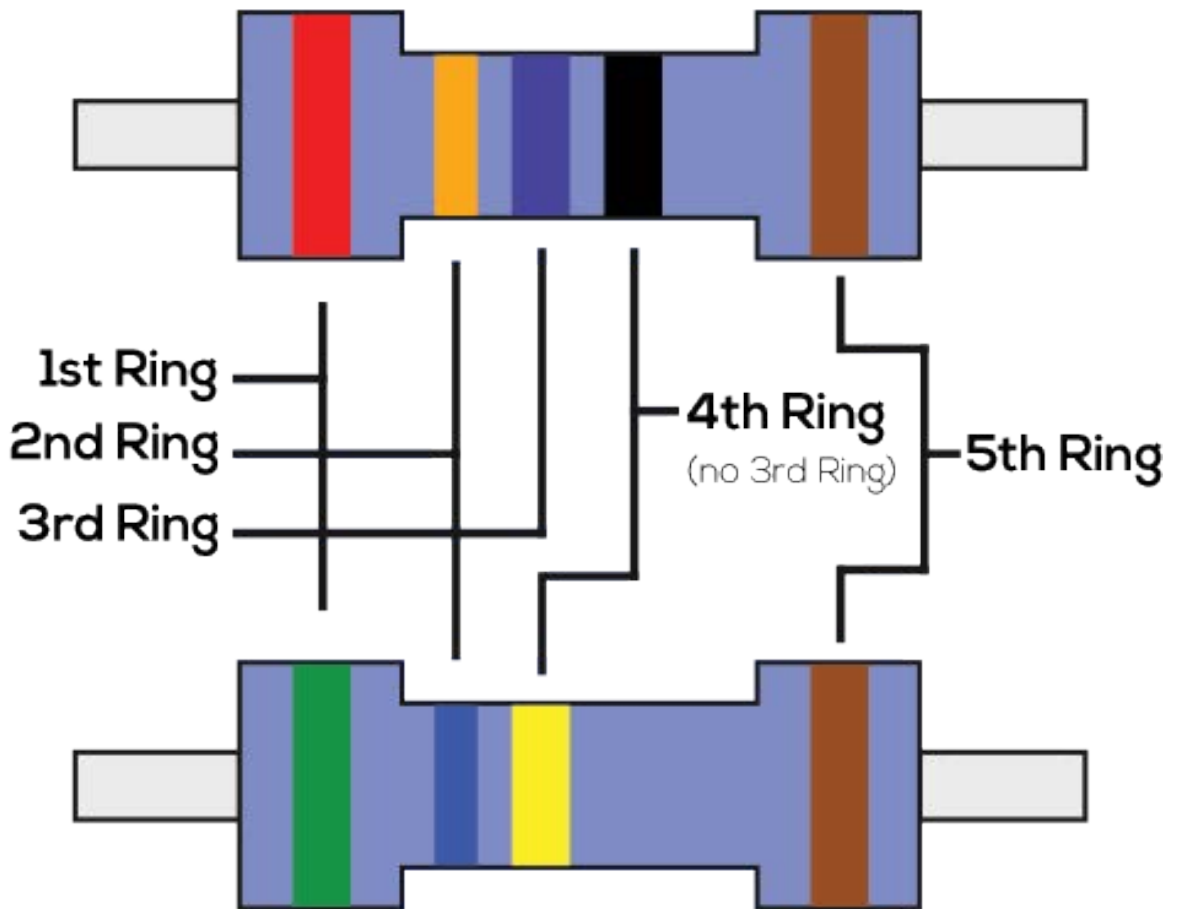
2. Color Code Table

Color	1st Ring	2nd Ring	3rd Ring	4th Ring (Multiplier)	5th Ring (Tolerance)
Black	0	0	0	1 Ω	
Brown	1	1	1	10 Ω	
Red	2	2	2	100 Ω	
Orange	3	3	3	1k Ω	
Yellow	4	4	4	10k Ω	
Green	5	5	5	100k Ω	
Blue	6	6	6	1M Ω	
Violet	7	7	7	10M Ω	
Gray	8	8	8		
White	9	9	9		
Gold				0.1 Ω	$\pm 5\%$
Silver				0.01 Ω	$\pm 10\%$
No Color					$\pm 20\%$

3. Schematic

5 Color Band Resistor

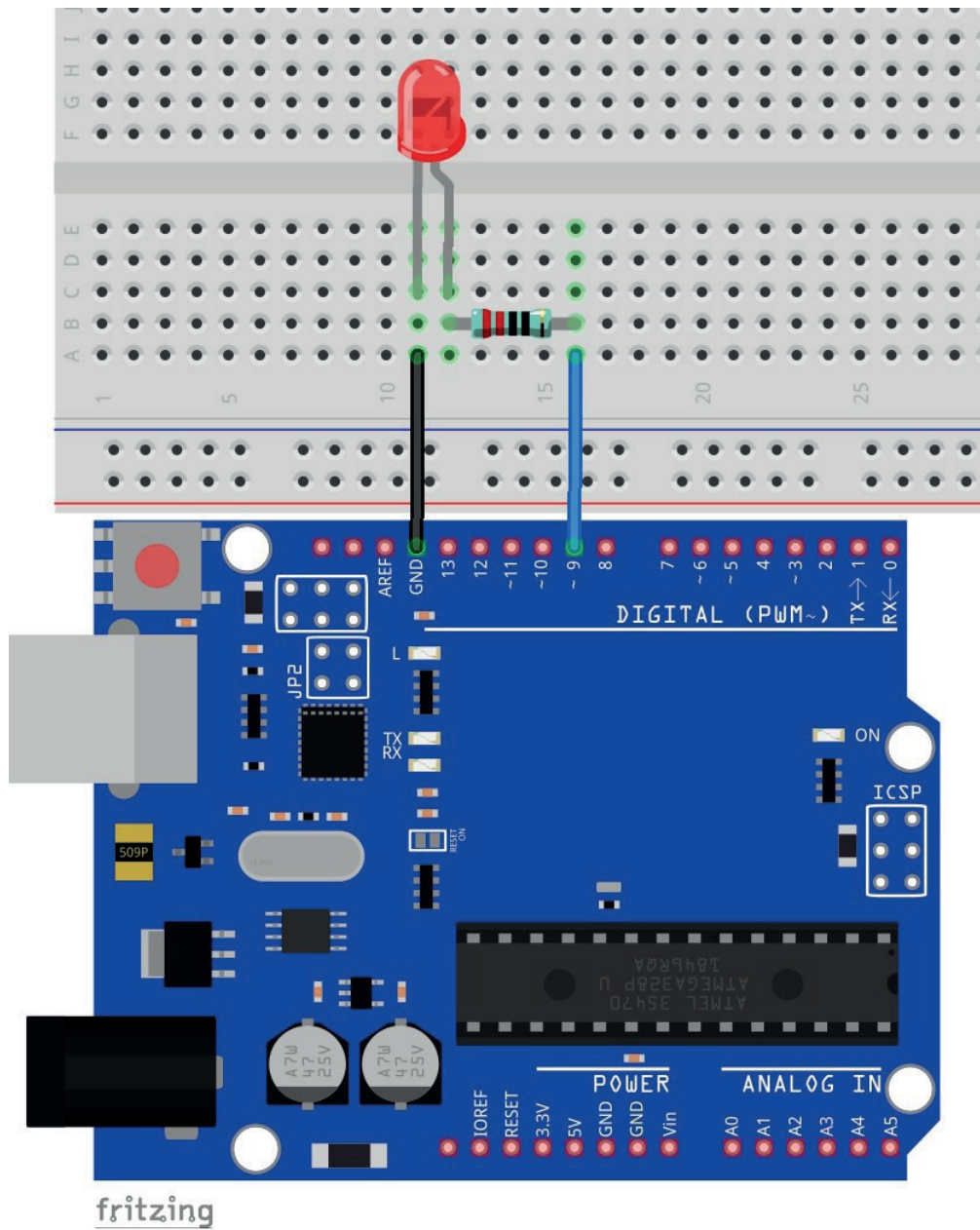
$237 \Omega \pm 1\%$



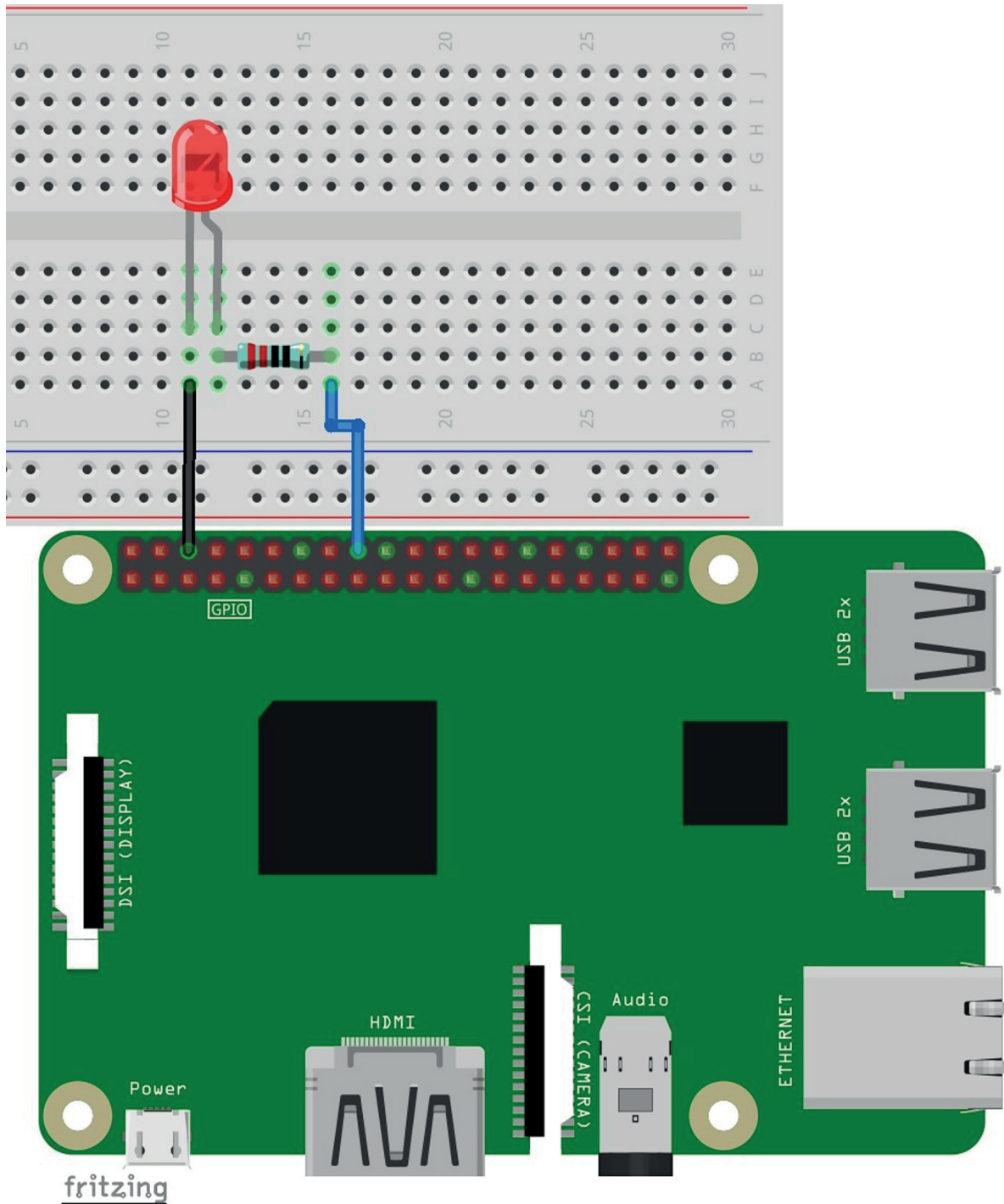
4 Color Band Resistor

$560 K\Omega \pm 1\%$

4. Connection Diagram



Resistor	Microcontroller Pin	Wire Color
Resistor	D9	Blue Wire
LED Diode	Microcontroller Pin	Wire Color
LED Diode	GND	Black Wire



LED Diode	Microcontroller Pin	Physical Pin	Wire Color
LED Diode	GND	6	Black Wire
Resistor	Microcontroller Pin	Physical Pin	Wire Color
Resistor	GPIO24	18	Blue Wire

AZ-Delivery

Ihr Experte für Mikroelektronik!

For top quality microelectronics, we are your go to. We provide an array of application examples, full installation guides, eBooks, libraries, and all-round assistance. AZ-Delivery, your microelectronics expert!