**Quadrokopter – Verkabelung + Pins**

**ESC**



**ESC**

**ESC**

**ESC**

**AKKU**



**MO-TOR**



**MO-TOR**



**MO-TOR**



**MO-TOR**



**ACC**

VCC

GND

SCL

SDA

XDA

XCL

AD0

INT

**RX/TX**

IRQ

MOSI

CSN

VCC

MISO

SCK

CE

GND

**Arduino**

**MEGA**

Rset

3.3V

5V

GND

GND

Vin

0

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

14

15

16

17

18

19

20

21

7

6

5

4

3

2

1

0

AREF

GND

13

12

11

10

9

8

46

47

44

45

48

49

52

53

50

51

GD

GD

40

41

38

39

42

43

34

35

32

33

36

37

28

29

26

27

30

31

22

23

5V

5V

24

25

5V in

USB

Digital

Analog in

PWM

**5V**



**AKKU- TESTER**

**LEGENDE**

 arduino-info.wikispaces.com/Nrf24L01-2.4GHz-HowTo

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Signal | RF Module | COLOR | **Arduino pin for**  **RF24 Library** | Arduino pin for  Mirf Library | **MEGA2560 pin**  **RF24 Library** | Arduino Pin for  RH\_NRF24  RadioHead Library | MEGA2560 Pin for  RH\_NRF24  RadioHead Library |
| GND | 1 | Brown | **GND** | GND | **GND** | GND | GND |
| VCC | 2 | Red | **3.3V** | 3.3V | **3.3V** | 3.3V | 3.3V |
| CE | 3 | Orange | **9** | 8 | **9** | 8 | 8 |
| CSN | 4 | Yellow | **10** | 7 | **53** | 10 | 53 |
| SCK | 5 | Green | **13** | 13 | **52** | 13 | 52 |
| MOSI | 6 | Blue | **11** | 11 | **51** | 11 | 51 |
| MISO | 7 | Violett | **12** | 12 | **50** | 12 | 50 |
| IRQ | 8 | Gray | **2** |  | **(per library)** | N/C | N/C |



|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Gelb L | Rot L | Schwarz L | Schwarz R | Rot R | Braun | Gelb | Rot |
| ~ | ~ | ~ | AKKU | AKKU (15V) | Gnd | Data | 5V |

**ACC**

<http://dummyscodes.blogspot.de/2014/07/mpu6050-gy-521-breakout-arduino-mega.html>