

| Microcontroller | | | | Quadrokopter Reglerboard / Eigenbau | | |
|-----------------|------|-------|------|-------------------------------------|---------------|-------------------------------------|
| ATMEGA8TQFP | | | | QBLDC_HP_v1.0 | | |
| Funktion | | | | Name | | |
| PIN | A | B | C | PIN | Name | Beschreibung |
| 1 | PD3 | INT1 | | 1 | G_LS_A | Gate Low side A |
| 2 | PD4 | T0 | XCK | 2 | G_HS_A | Gate High side A |
| 3 | GND | | | 3 | GND | Ground |
| 4 | VDD | | | 4 | VCC 5.0V | Versorgung VDD5.0V |
| 5 | GND | | | 5 | GND | Ground |
| 6 | VDD | | | 6 | VCC 5.0V | Versorgung VDD5.0V |
| 7 | PB6 | XT1 | | 7 | Quartz | 16MHz Quartz |
| 8 | PB7 | XT2 | | 8 | Quartz | 16MHz Quartz |
| 9 | PD5 | T1 | | 9 | G_LS_B | Gate Low side B |
| 10 | PD6 | COMP- | | 10 | SENSE_ABC | Gemeinsamer Sense-Anschluss für ABC |
| 11 | PD7 | COMP+ | | 11 | G_HS_B | Gate High side B |
| 12 | PB0 | ICP1 | | 12 | G_LS_C | Gate Low side C |
| 13 | PB1 | OC1A | | 13 | G_HS_C | Gate High side C |
| 14 | PB2 | OC1B | _SS | 14 | _SS | (JTAG) / SPI |
| 15 | PB3 | OC2 | MOSI | 15 | MOSI | JTAG / SPI |
| 16 | PB4 | | MISO | 16 | MISO | JTAG / SPI |
| 17 | PB5 | | SCK | 17 | SCK | JTAG / SPI |
| 18 | AVCC | | | 18 | VCC 5.0V | Versorgung VDD5.0V |
| 19 | | AD6 | | 19 | IBAT_SENSE | Strom-Sense-Anschluss |
| 20 | AREF | | | 20 | AREF/VCC 5.0V | 100nF Cap nach GND |
| 21 | AGND | | | 21 | GND | Ground |
| 22 | | AD7 | | 22 | VBAT_SENSE | Sense-Anschluss für VBAT |
| 23 | PC0 | AD0 | | 23 | LED | Signal-LED |
| 24 | PC1 | AD1 | | 24 | SENSE_C | Sense-Anschluss für ABC |
| 25 | PC2 | AD2 | | 25 | SENSE_B | Sense-Anschluss für ABC |
| 26 | PC3 | AD3 | | 26 | SENSE_A | Sense-Anschluss für ABC |
| 27 | PC4 | AD4 | SDA | 27 | SDA | I2C-BUS |
| 28 | PC5 | AD5 | SCL | 28 | SCL | I2C-BUS |
| 29 | PC6 | RESET | | 29 | RESET | JTAG |
| 30 | PD0 | RXD | | 30 | RXD | UART |
| 31 | PD1 | TXD | | 31 | TXD | UART |
| 32 | PD2 | INT0 | | 32 | IN_PPM | PPM Eingang |