

Accelerometer (x,y and z)

RDY/INT  
SDO  
SDI  
SPC  
CS

±6g  
12bit Signed Integer

Gyroscope (yaw)

RATEOUT  
TEMP  
ST1  
ST2

±300°/sec  
3.96mV/(°/sec); Zero: 1.65V

Gyroscope (pitch)

RATEOUT  
TEMP

±300°/sec  
3.96mV/(°/sec); Zero: 1.65V

Gyroscope (roll)

RATEOUT  
TEMP

±300°/sec  
3.96mV/(°/sec); Zero: 1.65V

Battery Sensor

Battery Voltage / 11 SPANNUNG

Remote Control

SUM\_SIG

Pressure Sensor

LUFTDRUCK

Distance Sensor

DISTANCE

GPS

GPS\_TX  
GPS\_RX

Microcontroller

PH4  
PS4 / MISO0  
PS5 / MOSI0  
PS6 / SCK0  
PS7 / ~SS0

PAD2  
PAD5  
PA7  
PA6

PAD1  
PAD4

PAD0  
PAD3

PAD8

PT0 / IOC0

PAD6

PAD7

PJ1 / TXD2  
PJ0 / RXD2

RXD1 / PS2  
TXD1 / PS3  
PA3  
PA2  
PA5  
PA4  
PH5

SCL / PJ7  
SDA / PJ6

IOC1

PA0  
PA1

PP5 / PWM5

BKGD

RXD0 / PS0  
RXD0 / PS0

UART Data  
UART Data  
Reset  
Sleep  
Status  
UART Request To Send  
UART Clear To Send

I2C Clock  
I2C Data

Beeper Signal

LED (green) Signal  
LED (red) Signal

Servo Signal

BDM Programming Signal

UART Programming Signal (receive)  
UART Programming Signal (transmit)

XBee Pro

DOUT  
DIN  
~RESET  
SLEEP\_RQ  
ON  
RTS  
CTS

9600baud

I2C-Bus (Brushless)

SCL  
SDA

Beeper

SPEAKER

LEDs

LED\_GREEN  
LED\_RED

Servo

SERVO1

BDM Programmer

BKGD

UART Programmer

PRG\_RX  
PRG\_TX