No connection

Connectec [dot]

Low current wiring (0,14mm2 / 26AWG)

High current wiring

Battery Connector

Lipo battery
3 cell 11.1V only!
20C or higher
2200mAh or 3800mAh

+
−

R3
1,5k

D1 *3

R2
1k

Receiver

Arduino UNO

0
1
2
3
4
5
6
7
8
9
10
11
12
13
GND
AREF
SDA
SCL

A5
A4
A3
A2
A1
A0
Vin
GND
GND
5V
3.3V
RST
IOREF

CH1
CH2
CH3
CH4
CH5
CH6
BAT

R1
330

LED

INT
AUD0
XCLL
XDA
SDA
SCL
GND
VCC

MPU-6050

*4

ESC 1
right front
counterclockwise

*'

ESC 2
right rear
clockwise

*'

ESC 3
left rear
counterclockwise

*'

ESC 4
left front
clockwise

*'

M1   *2

M2   *2

M3   *2

M4   *2

*4 = For the YMFC-3D the L3G4200D or L3GU20H can also be used
*3 = 1N400' or similar
*2 = switch 2 of the 3 wires to reverse the direction of the motor
*' = do not connect the +5V BEC wire

This drawing is provided "as is", without warranty of any kind. You are using it at your own risk.

Project: Quadcopter	
Name: Schematic	Draw: Tewodros
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