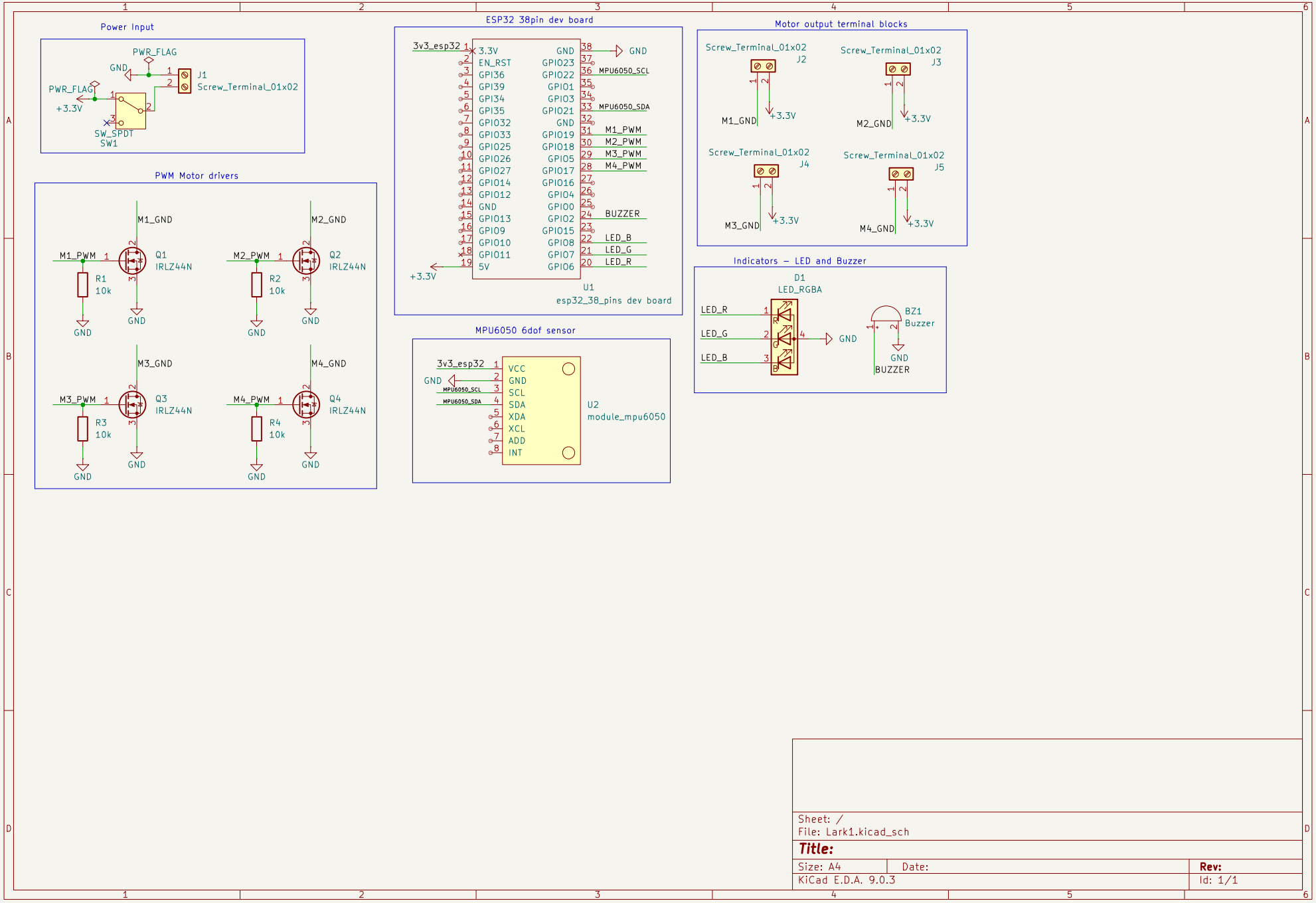
Power Input
PWR_FLAG
GND
J1
Screw_Terminal_01x02
PWR_FLAG
+3.3V
SW_SPDT
SW1
PWM Motor drivers
M1_GND
M1_PWM
Q1
IRLZ44N
R1
10k
GND
M2_GND
M2_PWM
Q2
IRLZ44N
R2
10k
M3_GND
M3_PWM
Q3
IRLZ44N
R3
10k
M4_GND
M4_PWM
Q4
IRLZ44N
R4
10k
ESP32 38pin dev board
3v3_esp32
3.3V
EN_RST
GPI36
GPI39
GPI34
GPI35
GPIO32
GPIO33
GPIO25
GPIO26
GPIO27
GPIO14
GPIO12
GND
GPIO13
GPIO9
GPIO10
GPIO11
5V
+3.3V
GND
GPIO23
GPIO22
GPIO1
GPIO3
GPIO21
GND
GPIO19
GPIO18
GPIO5
GPIO17
GPIO16
GPIO4
GPIO0
GPIO2
GPIO15
GPIO8
GPIO7
GPIO6
MPU6050_SCL
MPU6050_SDA
M1_PWM
M2_PWM
M3_PWM
M4_PWM
BUZZER
LED_B
LED_G
LED_R
U1
esp32_38_pins dev board
MPU6050 6dof sensor
3v3_esp32
GND
MPU6050_SCL
MPU6050_SDA
VCC
GND
SCL
SDA
XDA
XCL
ADD
INT
U2
module_mpu6050
Motor output terminal blocks
Screw_Terminal_01x02
J2
M1_GND
+3.3V
J3
M2_GND
J4
M3_GND
J5
M4_GND
Indicators — LED and Buzzer
D1
LED_RGBA
LED_R
LED_G
LED_B
GND
BZ1
Buzzer
BUZZER
Sheet: /
File: Lark1.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 9.0.3
Id: 1/1