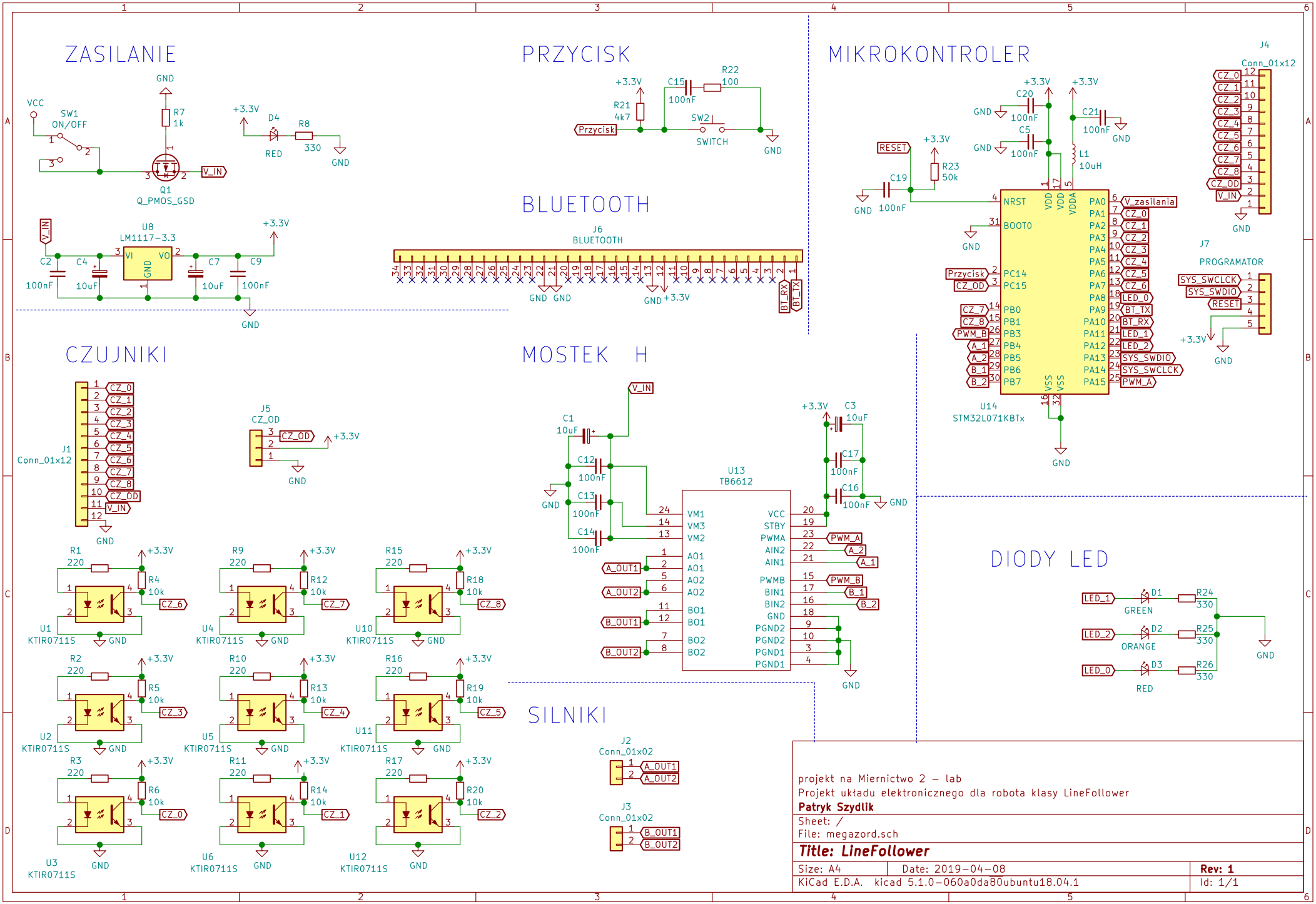
ZASILANIE
VCC
SW1
ON/OFF
GND
R7
1k
Q1
Q_PMOS_GSD
V_IN
+3.3V
D4
RED
R8
330
GND
U8
LM1117-3.3
VI
VO
GND
C2
100nF
C4
10uF
C7
10uF
C9
100nF
PRZYCISK
+3.3V
R21
4k7
Przycisk
C15
100nF
R22
100
SW2
SWITCH
GND
BLUETOOTH
J6
BLUETOOTH
BT_RX
BT_TX
MIKROKONTROLER
J4
Conn_01x12
CZ_0
CZ_1
CZ_2
CZ_3
CZ_4
CZ_5
CZ_6
CZ_7
CZ_8
CZ_OD
V_IN
C20
100nF
C5
100nF
C21
100nF
L1
10uH
RESET
R23
50k
C19
100nF
NRST
BOOT0
PC14
PC15
PB0
PB1
PB3
PB4
PB5
PB6
PB7
VDD
VDDA
VSS
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11
PA12
PA13
PA14
PA15
V_zasilania
LED_0
LED_1
LED_2
SYS_SWDIO
SYS_SWCLCK
PWM_A
U14
STM32L071KBTx
J7
PROGRAMATOR
SYS_SWCLCK
SYS_SWDIO
RESET
CZ_7
CZ_8
PWM_B
A_1
A_2
B_1
B_2
CZUJNIKI
J1
Conn_01x12
J5
CZ_OD
MOSTEK H
C1
10uF
C12
100nF
C13
100nF
C14
100nF
U13
TB6612
VM1
VM3
VM2
AO1
AO1
AO2
AO2
BO1
BO1
BO2
BO2
A_OUT1
A_OUT2
B_OUT1
B_OUT2
VCC
STBY
PWMA
AIN2
AIN1
PWMB
BIN1
BIN2
GND
PGND2
PGND2
PGND1
PGND1
C3
10uF
C17
100nF
C16
100nF
R1
220
R4
10k
U1
KTIR0711S
R2
220
R5
10k
U2
KTIR0711S
R3
220
R6
10k
U3
KTIR0711S
R9
220
R12
10k
U4
KTIR0711S
R10
220
R13
10k
U5
KTIR0711S
R11
220
R14
10k
U6
KTIR0711S
R15
220
R18
10k
U10
KTIR0711S
R16
220
R19
10k
U11
KTIR0711S
R17
220
R20
10k
U12
KTIR0711S
SILNIKI
J2
Conn_01x02
J3
Conn_01x02
DIODY LED
LED_1
D1
GREEN
R24
330
LED_2
D2
ORANGE
R25
330
LED_0
D3
RED
R26
330
projekt na Miernictwo 2 – lab
Projekt układu elektronicznego dla robota klasy LineFollower
Patryk Szydlik
Sheet: /
File: megazord.sch
Title: LineFollower
Size: A4
Date: 2019-04-08
Rev: 1
KiCad E.D.A. kicad 5.1.0-060a0da80ubuntu18.04.1
Id: 1/1