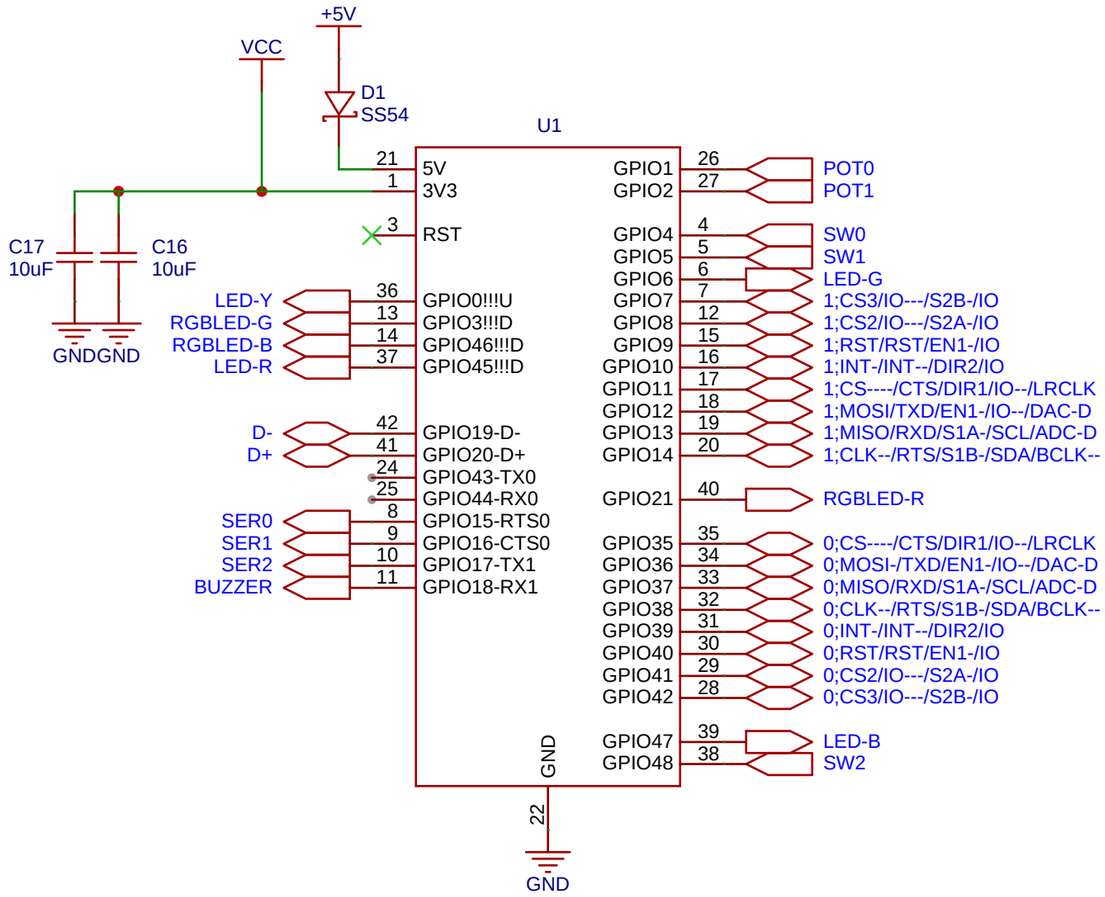
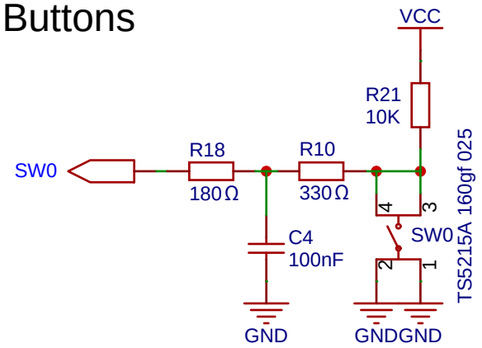


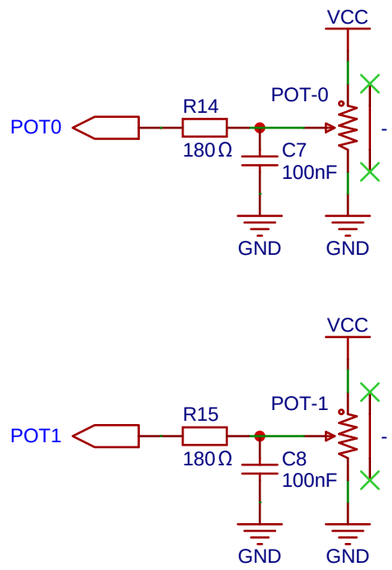
Schematic	Schematic1	Update Date	2023-01-20
		Create Date	2023-01-13
Page	internal-logic	Part Number	JLCPCB-002
Drawed	EasyEDA Pro	ELKS	
Reviewed	EasyEDA Pro		
		VER / SIZE / PAGE 1 OF 3	
EasyEDA	V0.1 / A4	EasyEDA.com	

Input device

Buttons

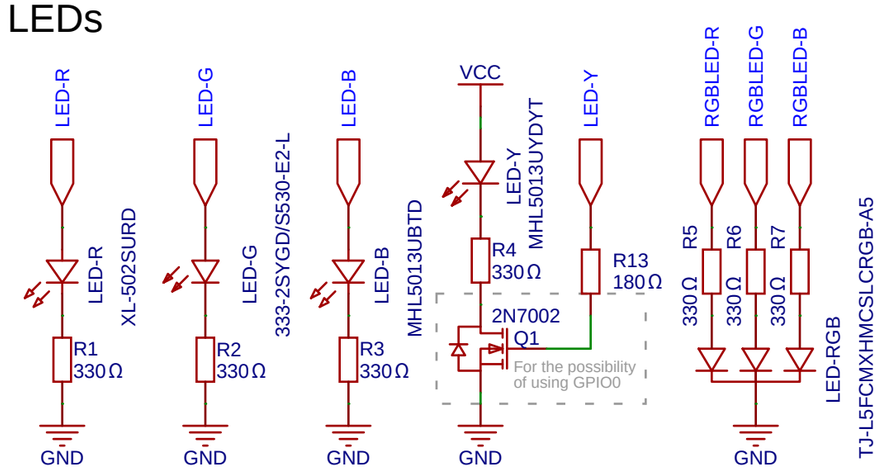


Potentiometry

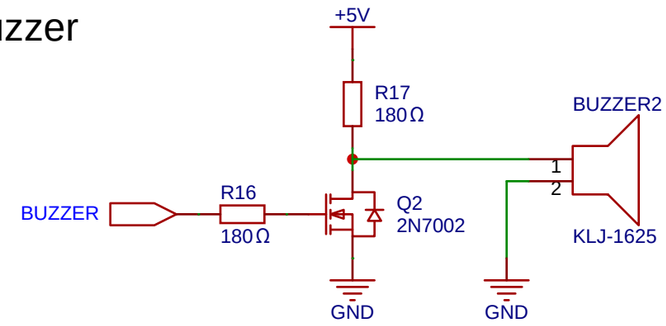


Output device

LEDs

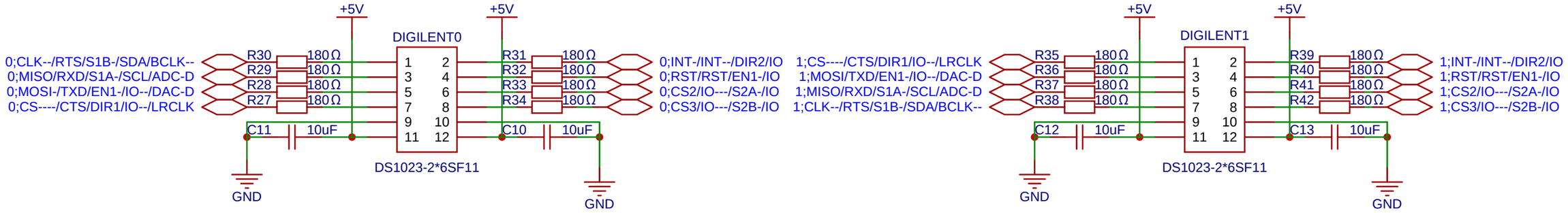


Buzzer

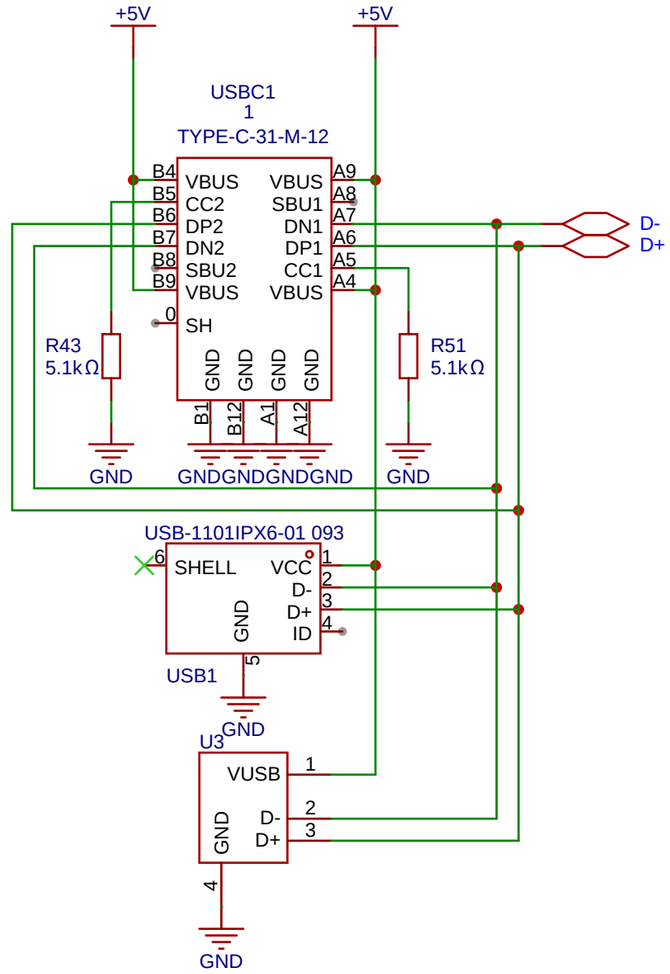


Schematic	Schematic1	Update Date	2023-01-20
		Create Date	2023-01-14
Page	internal-peripheris	Part Number	JLCPCB-002
Drawed	EasyEDA Pro	ELKS	
Reviewed	EasyEDA Pro		
		VER / SIZE / PAGE	V0.1 / A4 / 2 OF 3
EasyEDA		EasyEDA.com	

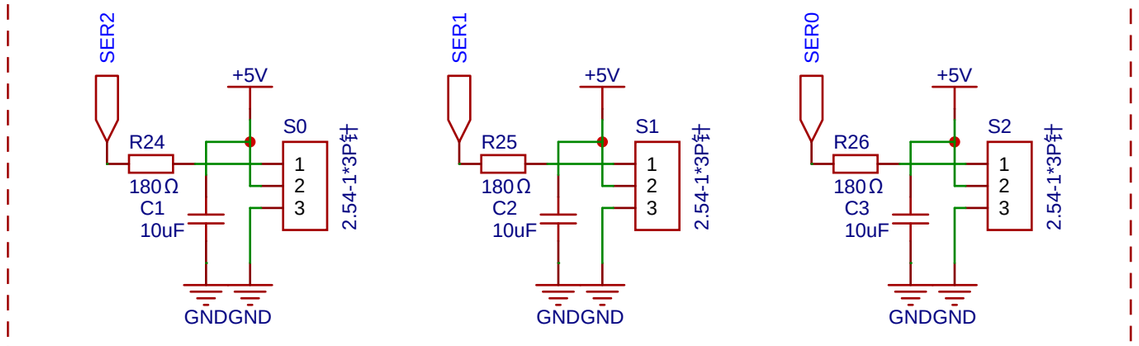
Connector for extranal devices, compatible with Digilent Pmod



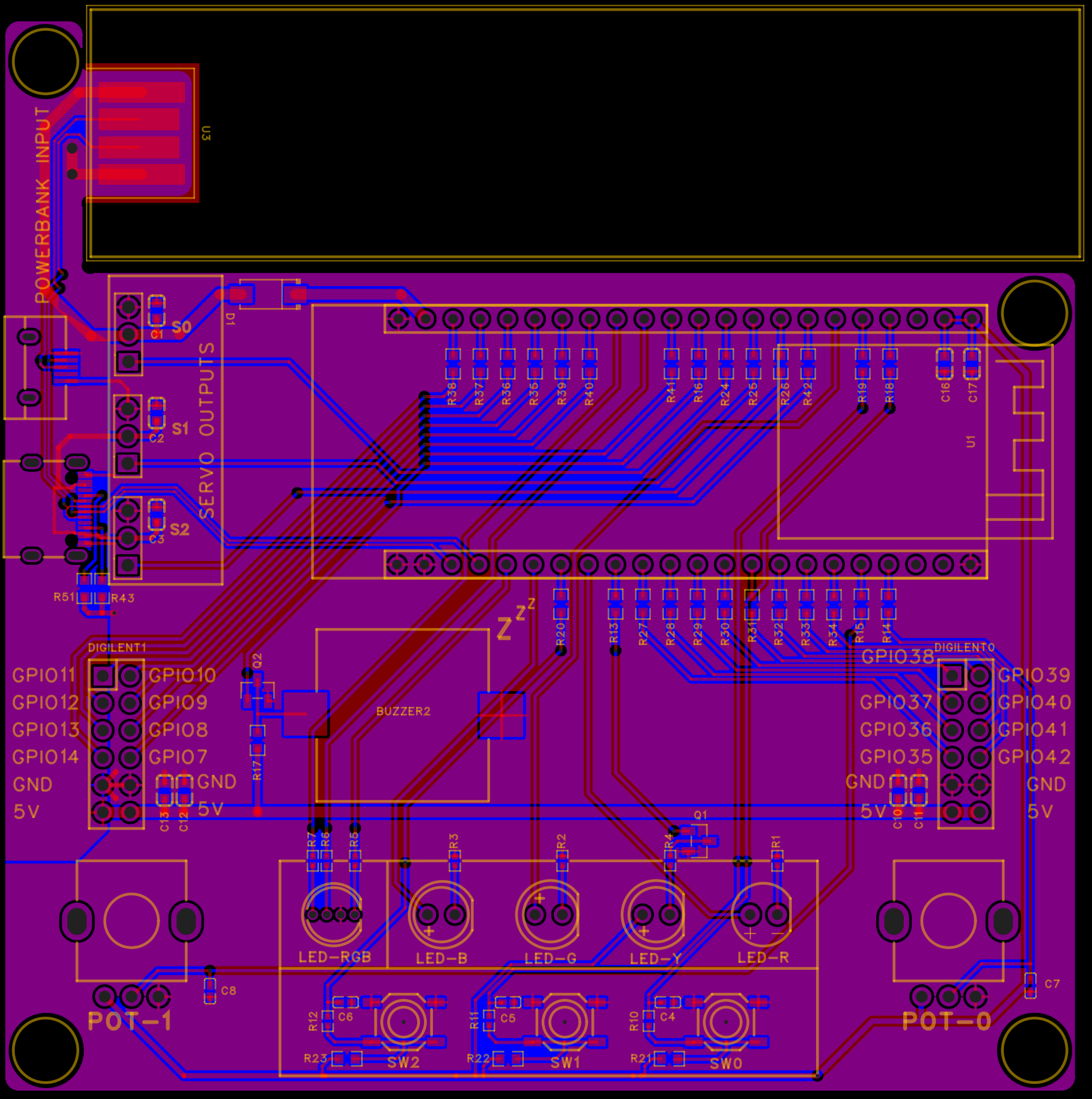
Power input / programming conector



Servo outputs



Schematic	Schematic1	Update Date	2023-01-20
		Create Date	2023-01-14
Page	connectors	Part Number	JLCPCB-002
Drawed	EasyEDA Pro	ELKS	
Reviewed	EasyEDA Pro		
		VER / SIZE / PAGE	V0.1 / A4 / 3 OF 3
EasyEDA		EasyEDA.com	


POWERBANK INPUT
U3
SERVO OUTPUTS
S0
S1
S2
D1
R1
R2
R3
R4
R5
R6
R7
R16
R18
R19
R24
R25
R26
R27
R28
R29
R30
R31
R32
R33
R34
R35
R36
R37
R38
R39
R40
R41
R42
R43
R51
C2
C3
C4
C5
C6
C7
C8
C10
C11
C12
C13
C16
C17
U1
Q1
Q2
R10
R11
R12
R13
R14
R15
R17
R20
R21
R22
R23
BUZZER2
DIGILENT1
GPIO11
GPIO12
GPIO13
GPIO14
GND
5V
GPIO10
GPIO9
GPIO8
GPIO7
GND
5V
DIGILENT0
GPIO38
GPIO37
GPIO36
GPIO35
GND
5V
GPIO39
GPIO40
GPIO41
GPIO42
GND
5V
LED-RGB
LED-B
LED-G
LED-Y
LED-R
SW2
SW1
SW0
POT-1
POT-0