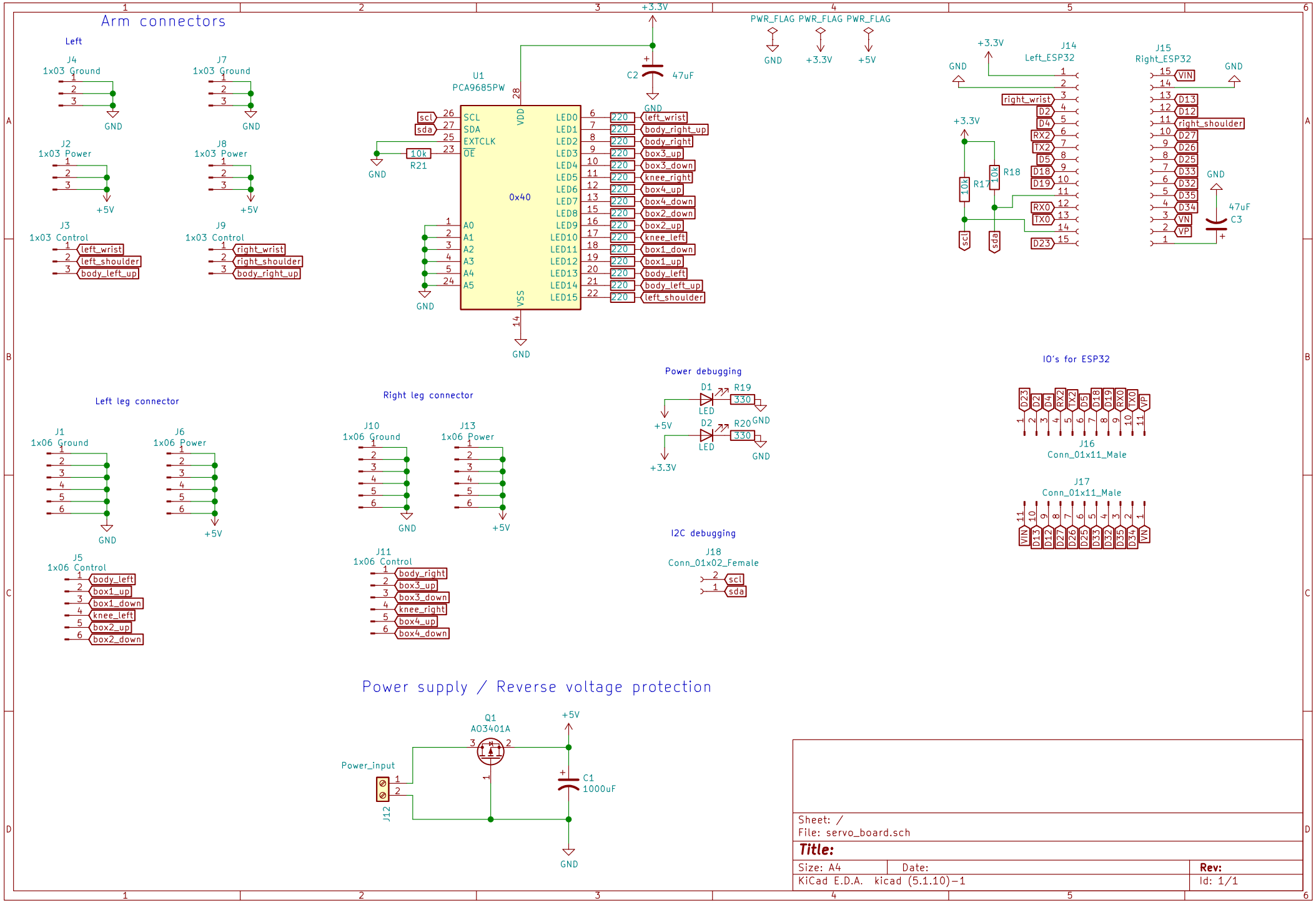
Arm connectors
Left
J4
1x03 Ground
J7
1x03 Ground
J2
1x03 Power
J8
1x03 Power
J3
1x03 Control
left_wrist
left_shoulder
body_left_up
J9
1x03 Control
right_wrist
right_shoulder
body_right_up
U1
PCA9685PW
SCL
SDA
EXTCLK
OE
VDD
VSS
A0
A1
A2
A3
A4
A5
0x40
LED0
LED1
LED2
LED3
LED4
LED5
LED6
LED7
LED8
LED9
LED10
LED11
LED12
LED13
LED14
LED15
left_wrist
body_right_up
body_right
box3_up
box3_down
knee_right
box4_up
box4_down
box2_down
box2_up
knee_left
box1_down
box1_up
body_left
body_left_up
left_shoulder
R21
10k
C2
47uF
+3.3V
GND
+5V
PWR_FLAG
J14
Left_ESP32
J15
Right_ESP32
R17
R18
C3
Left leg connector
J1
1x06 Ground
J6
1x06 Power
J5
1x06 Control
body_left
box1_up
box1_down
knee_left
box2_up
box2_down
Right leg connector
J10
1x06 Ground
J13
1x06 Power
J11
1x06 Control
body_right
box3_up
box3_down
knee_right
box4_up
box4_down
Power debugging
D1
D2
R19
R20
330
LED
I2C debugging
J18
Conn_01x02_Female
scl
sda
IO's for ESP32
J16
Conn_01x11_Male
J17
Conn_01x11_Male
Power supply / Reverse voltage protection
Q1
AO3401A
Power_input
J12
C1
1000uF
Sheet: /
File: servo_board.sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. kicad (5.1.10)-1
Id: 1/1