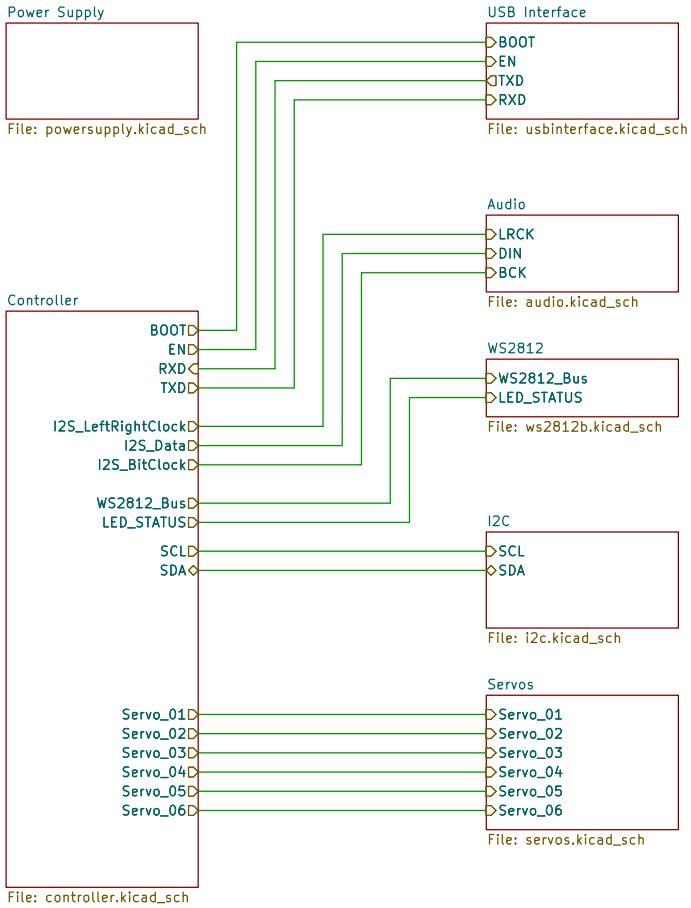
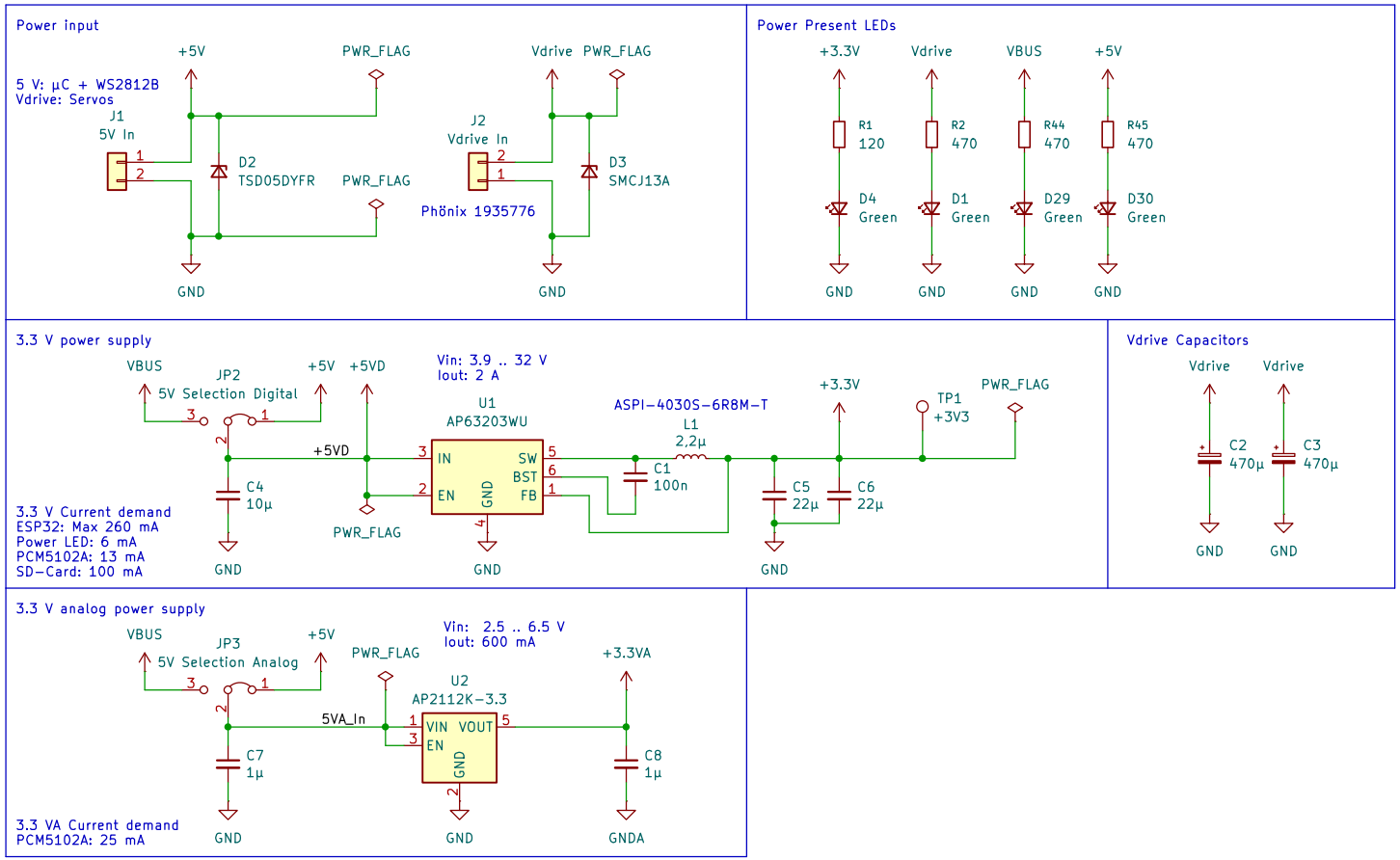


H1
MountingHole
H2
MountingHole
H3
MountingHole
H4
MountingHole

Sheet: /
File: BigCore.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.4		Id: 1/8



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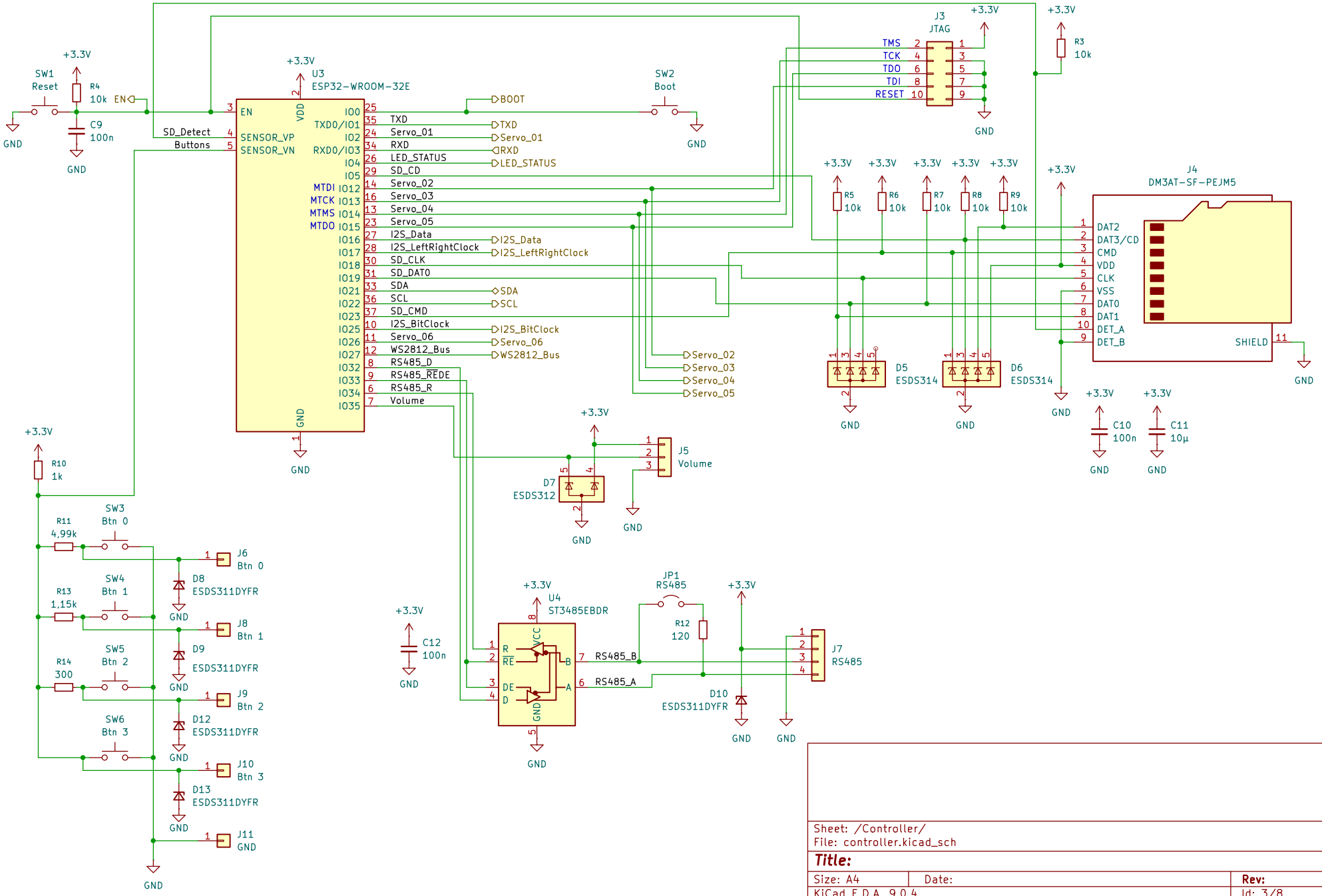
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.4		Id: 2/8


SW1
Reset
R4
10k
EN
C9
100n
SW2
Boot
U3
ESP32-WROOM-32E
EN
SENSOR_VP
SENSOR_VN
SD_Detect
Buttons
VDD
GND
IO0
TXD0/IO1
IO2
RXD0/IO3
IO4
IO5
MTDI IO12
MTCK IO13
MTMS IO14
MTDO IO15
IO16
IO17
IO18
IO19
IO21
IO22
IO23
IO25
IO26
IO27
IO32
IO33
IO34
IO35
BOOT
TXD
Servo_01
RXD
LED_STATUS
SD_CD
Servo_02
Servo_03
Servo_04
Servo_05
I2S_Data
I2S_LeftRightClock
SD_CLK
SD_DAT0
SDA
SCL
SD_CMD
I2S_BitClock
Servo_06
WS2812_Bus
RS485_D
RS485_REDE
RS485_R
Volume
J3
JTAG
TMS
TCK
TDO
TDI
RESET
R3
10k
R5
10k
R6
10k
R7
10k
R8
10k
R9
10k
J4
DM3AT-SF-PEJM5
DAT2
DAT3/CD
CMD
VDD
CLK
VSS
DAT0
DAT1
DET_A
DET_B
SHIELD
D5
ESDS314
D6
ESDS314
C10
100n
C11
10µ
J5
Volume
D7
ESDS312
R10
1k
SW3
Btn 0
SW4
Btn 1
SW5
Btn 2
SW6
Btn 3
R11
4,99k
R13
1,15k
R14
300
J6
Btn 0
J8
Btn 1
J9
Btn 2
J10
Btn 3
J11
GND
D8
ESDS311DYFR
D9
ESDS311DYFR
D12
ESDS311DYFR
D13
ESDS311DYFR
C12
100n
U4
ST3485EBDR
R
RE
DE
D
VCC
GND
A
B
RS485_B
RS485_A
JP1
RS485
R12
120
D10
ESDS311DYFR
J7
RS485
+3.3V
GND
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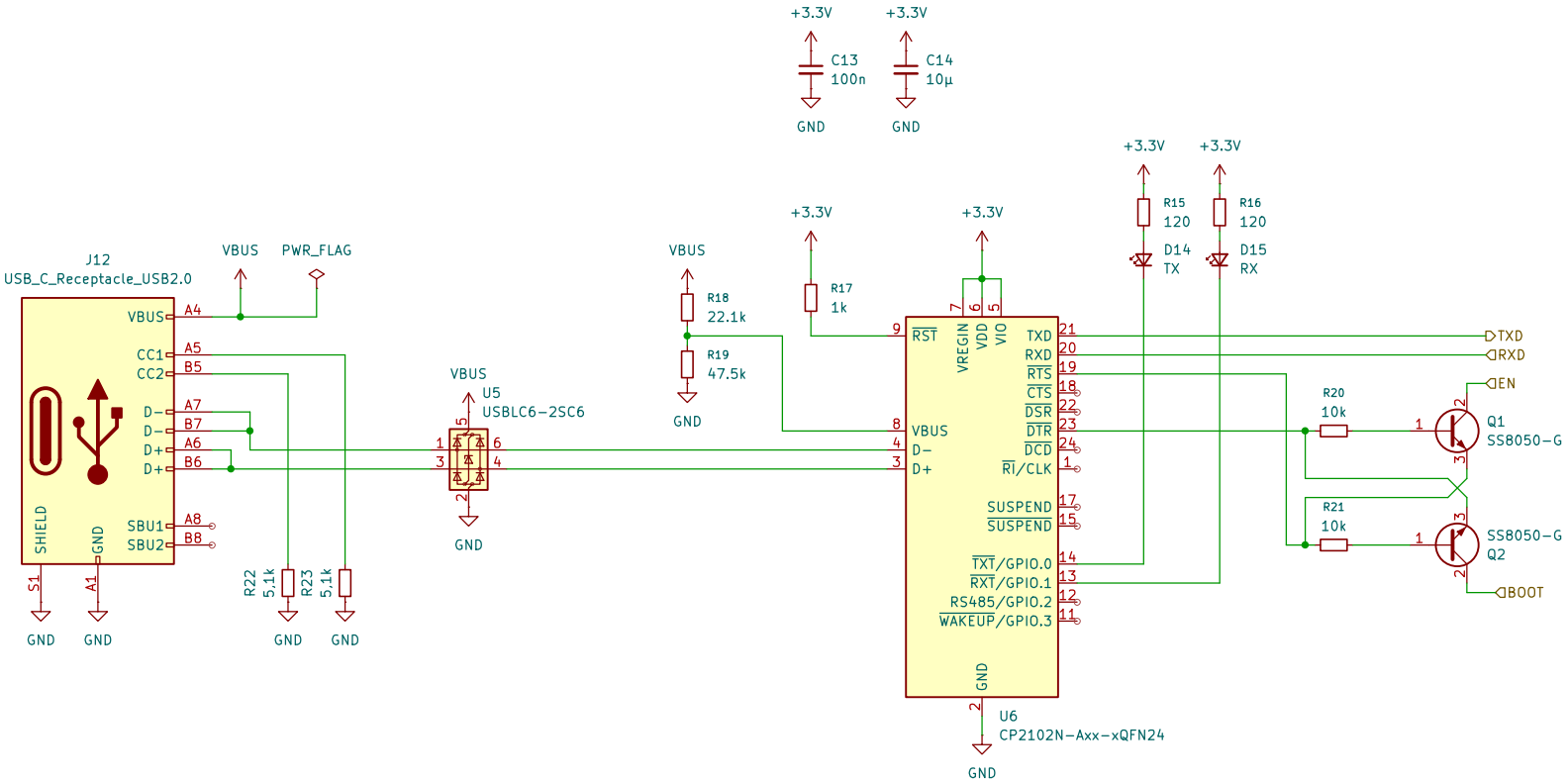
Size: A4
Date:
Rev:
KiCad E.D.A. 9.0.4
Id: 3/8



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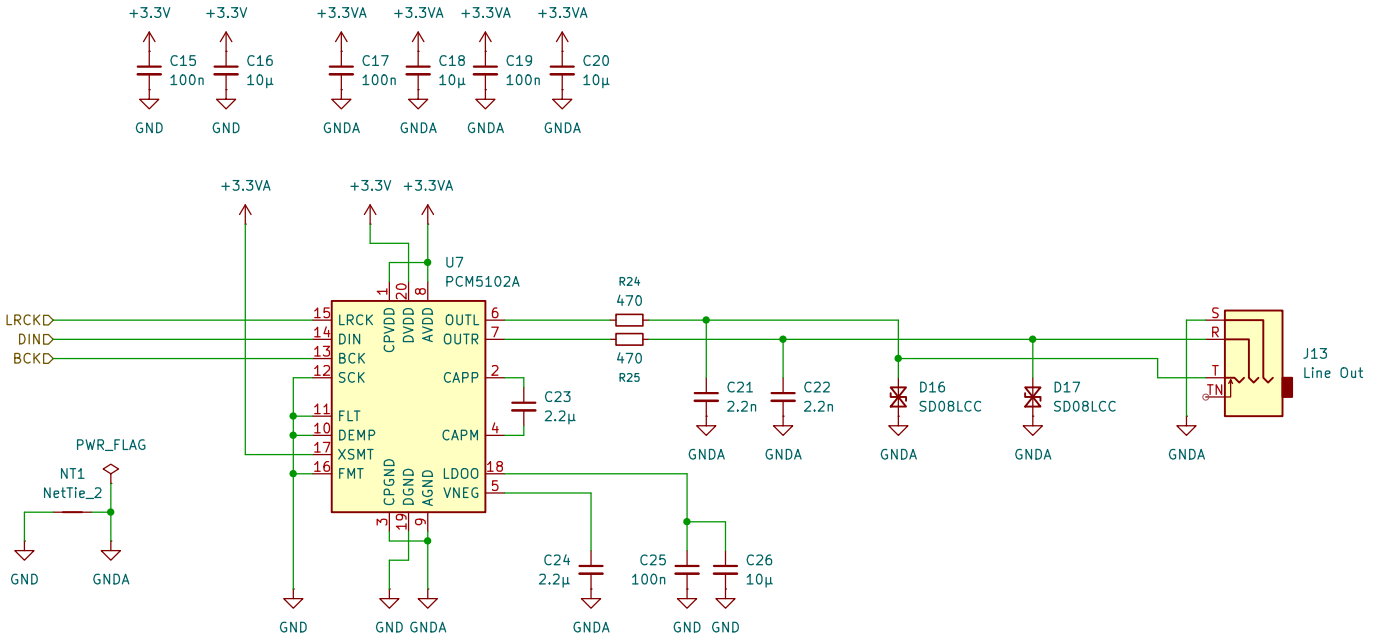
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.4		Id: 4/8



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Title:		
Size: A4	Date:	**Rev:**
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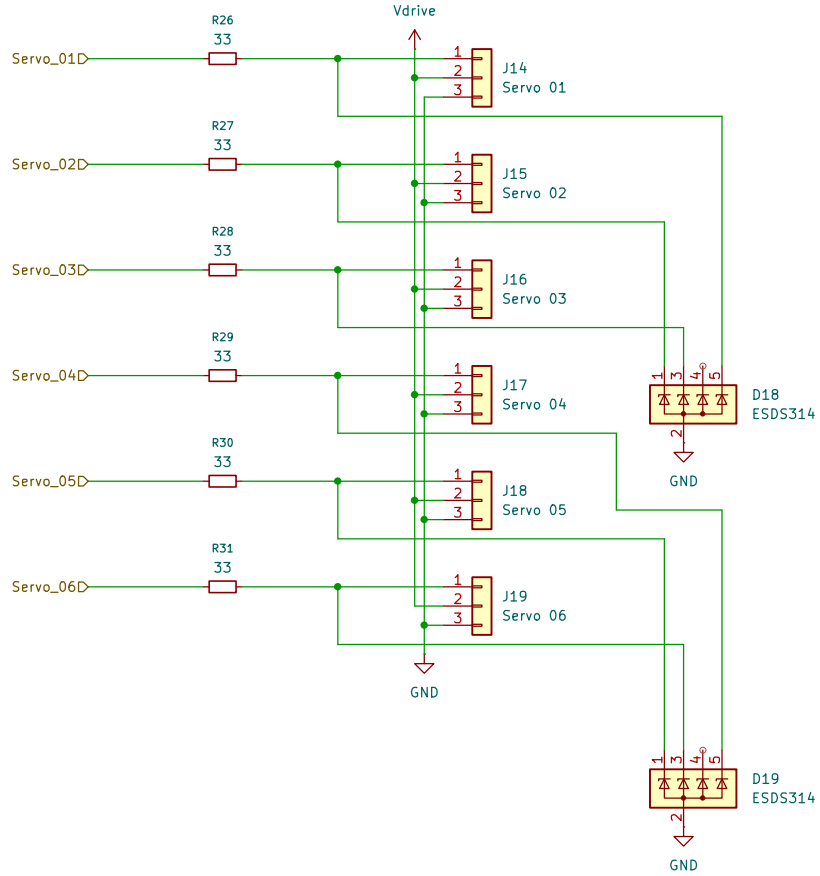

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Size: A4	Date:	**Rev:**
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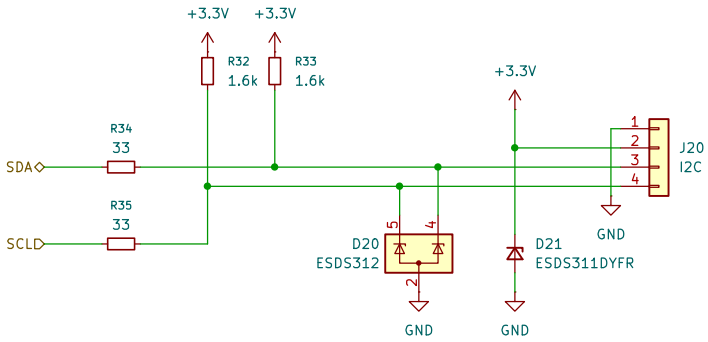

Sheet: /I2C/		
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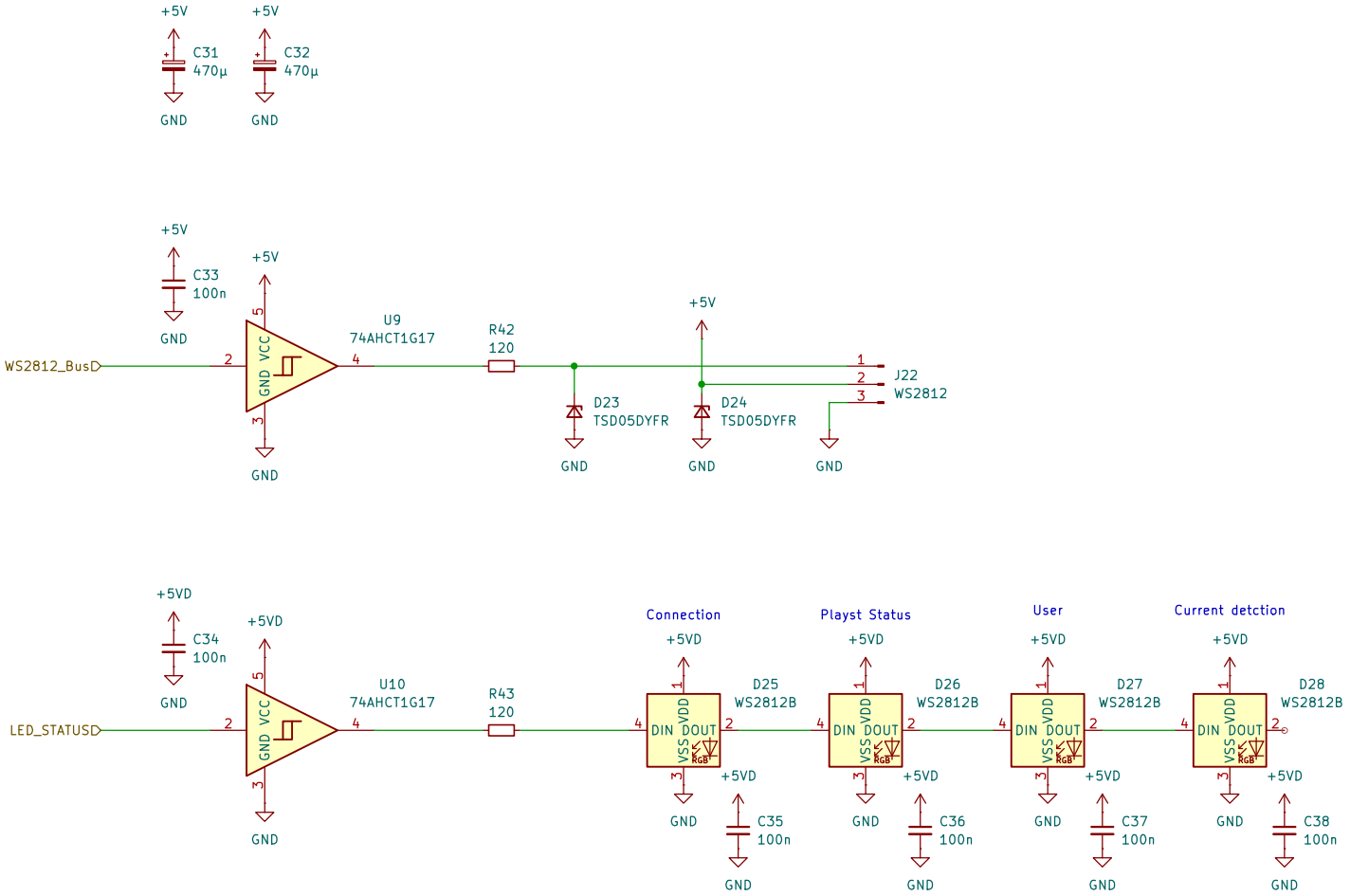
KiCad E.D.A. 9.0.4		Id: 7/8



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KiCad E.D.A. 9.0.4		Id: 9/8