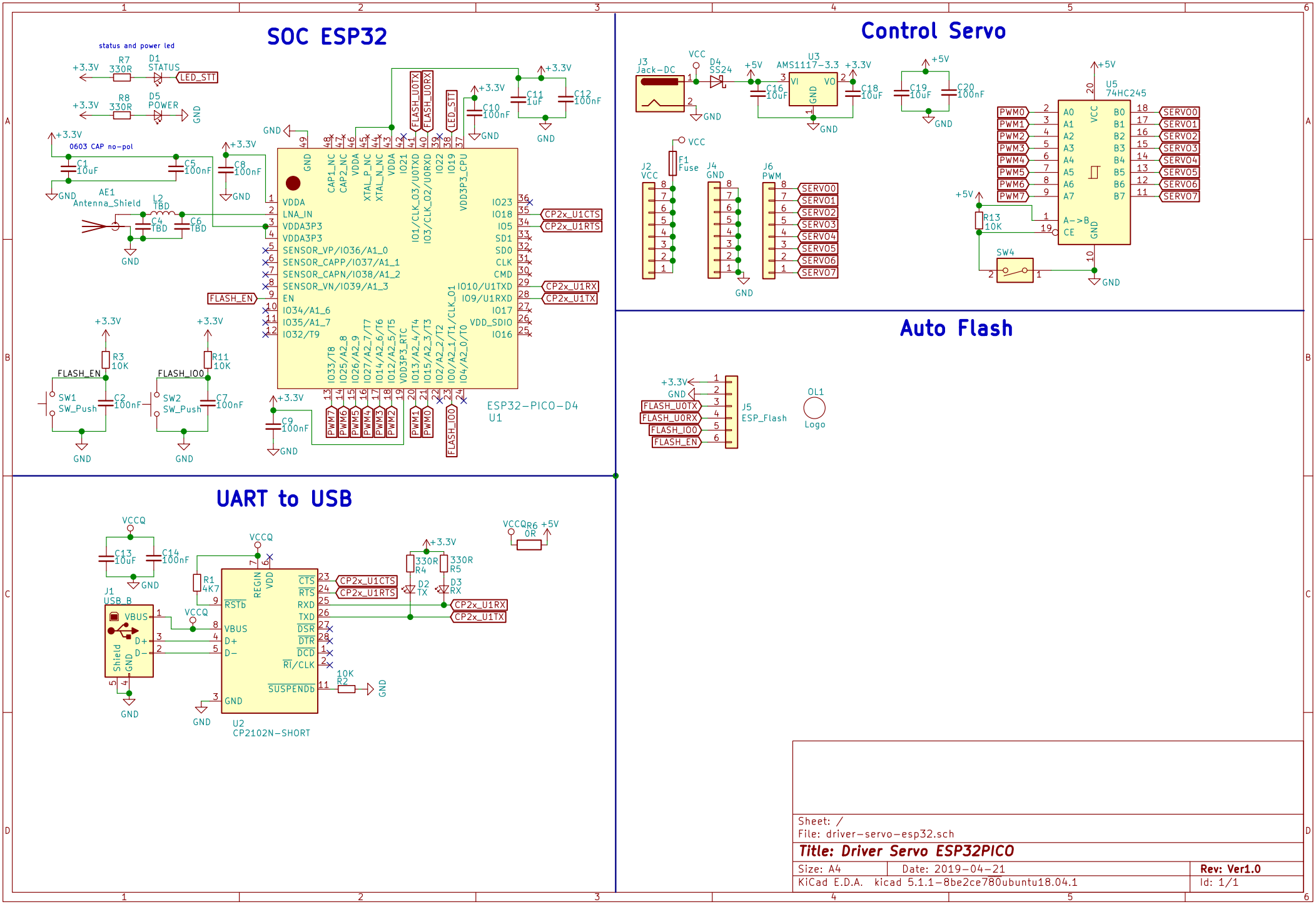
SOC ESP32
status and power led
R7 330R
D1 STATUS
LED_STT
R8 330R
D5 POWER
0603 CAP no-pol
C1 10uF
C5 100nF
C8 100nF
AE1 Antenna_Shield
L2 TBD
C4 TBD
C6 TBD
C10 100nF
C11 1uF
C12 100nF
ESP32-PICO-D4
U1
VDDA
LNA_IN
VDDA3P3
SENSOR_VP/IO36/A1_0
SENSOR_CAPP/IO37/A1_1
SENSOR_CAPN/IO38/A1_2
SENSOR_VN/IO39/A1_3
EN
IO34/A1_6
IO35/A1_7
IO32/T9
IO33/T8
IO25/A2_8
IO26/A2_9
IO27/A2_7/T7
IO14/A2_6/T6
IO12/A2_5/T5
VDD3P3_RTC
IO13/A2_4/T4
IO15/A2_3/T3
IO2/A2_2/T2
IO0/A2_1/T1/CLK_01
IO4/A2_0/T0
VDD_SDIO
IO16
IO17
IO10/U1TXD
IO9/U1RXD
IO23
IO18
IO5
SD1
SD0
CLK
CMD
CAP1_NC
CAP2_NC
XTAL_P_NC
XTAL_N_NC
IO1/CLK_03/U0TXD
IO3/CLK_02/U0RXD
IO22
IO19
VDD3P3_CPU
FLASH_U0TX
FLASH_U0RX
FLASH_EN
FLASH_IO0
CP2x_U1CTS
CP2x_U1RTS
CP2x_U1RX
CP2x_U1TX
PWM7
PWM6
PWM5
PWM4
PWM3
PWM2
PWM1
PWM0
R3 10K
R11 10K
SW1 SW_Push
SW2 SW_Push
C2 100nF
C7 100nF
C9 100nF
Control Servo
J3 Jack-DC
D4 SS24
U3 AMS1117-3.3
C16 10uF
C18 10uF
C19 10uF
C20 100nF
F1 Fuse
J2 VCC
J4 GND
J6 PWM
SERVO0
SERVO1
SERVO2
SERVO3
SERVO4
SERVO5
SERVO6
SERVO7
U5 74HC245
R13 10K
SW4
Auto Flash
J5 ESP_Flash
OL1 Logo
UART to USB
C13 10uF
C14 100nF
J1 USB_B
R1 4K7
U2 CP2102N-SHORT
R2 10K
R4 330R
R5 330R
D2 TX
D3 RX
R6 0R
Sheet: /
File: driver-servo-esp32.sch
Title: Driver Servo ESP32PICO
Size: A4
Date: 2019-04-21
Rev: Ver1.0
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