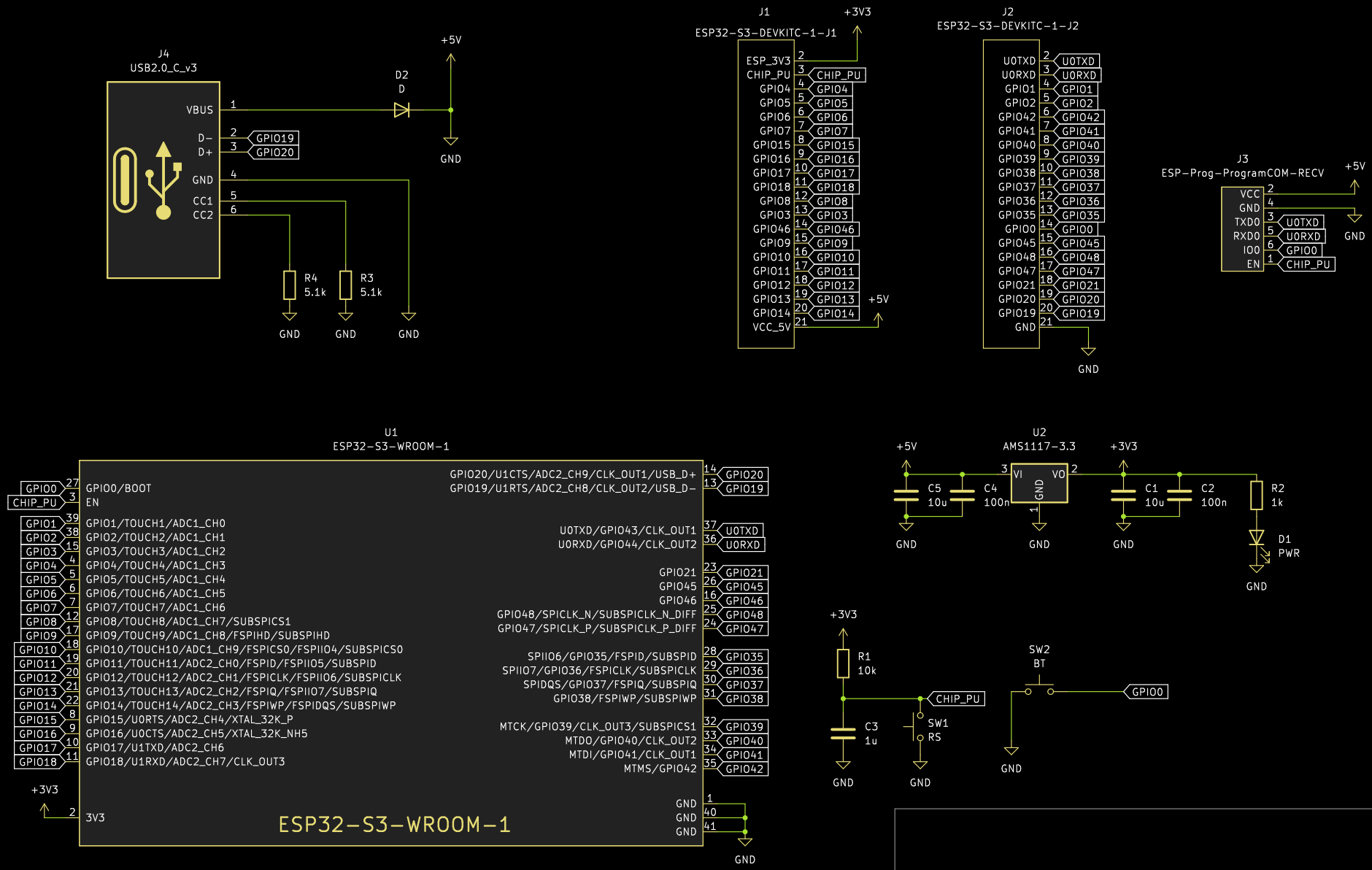
J4
USB2.0_C_v3
VBUS
D−
D+
GND
CC1
CC2
GPIO19
GPIO20
D2
D
+5V
GND
R4
5.1k
R3
5.1k
J1
ESP32−S3−DEVKITC−1−J1
+3V3
ESP_3V3
CHIP_PU
GPIO4
GPIO5
GPIO6
GPIO7
GPIO15
GPIO16
GPIO17
GPIO18
GPIO8
GPIO3
GPIO46
GPIO9
GPIO10
GPIO11
GPIO12
GPIO13
GPIO14
VCC_5V
J2
ESP32−S3−DEVKITC−1−J2
U0TXD
U0RXD
GPIO1
GPIO2
GPIO42
GPIO41
GPIO40
GPIO39
GPIO38
GPIO37
GPIO36
GPIO35
GPIO0
GPIO45
GPIO48
GPIO47
GPIO21
GPIO20
GPIO19
J3
ESP−Prog−ProgramCOM−RECV
VCC
TXD0
RXD0
IO0
EN
U1
ESP32−S3−WROOM−1
GPIO0/BOOT
EN
GPIO1/TOUCH1/ADC1_CH0
GPIO2/TOUCH2/ADC1_CH1
GPIO3/TOUCH3/ADC1_CH2
GPIO4/TOUCH4/ADC1_CH3
GPIO5/TOUCH5/ADC1_CH4
GPIO6/TOUCH6/ADC1_CH5
GPIO7/TOUCH7/ADC1_CH6
GPIO8/TOUCH8/ADC1_CH7/SUBSPICS1
GPIO9/TOUCH9/ADC1_CH8/FSPIHD/SUBSPIHD
GPIO10/TOUCH10/ADC1_CH9/FSPICS0/FSPII04/SUBSPICS0
GPIO11/TOUCH11/ADC2_CH0/FSPID/FSPII05/SUBSPID
GPIO12/TOUCH12/ADC2_CH1/FSPICLK/FSPII06/SUBSPICLK
GPIO13/TOUCH13/ADC2_CH2/FSPIQ/FSPII07/SUBSPIQ
GPIO14/TOUCH14/ADC2_CH3/FSPIWP/FSPIDQS/SUBSPIWP
GPIO15/U0RTS/ADC2_CH4/XTAL_32K_P
GPIO16/U0CTS/ADC2_CH5/XTAL_32K_NH5
GPIO17/U1TXD/ADC2_CH6
GPIO18/U1RXD/ADC2_CH7/CLK_OUT3
3V3
GPIO20/U1CTS/ADC2_CH9/CLK_OUT1/USB_D+
GPIO19/U1RTS/ADC2_CH8/CLK_OUT2/USB_D−
U0TXD/GPIO43/CLK_OUT1
U0RXD/GPIO44/CLK_OUT2
GPIO21
GPIO45
GPIO46
GPIO48/SPICLK_N/SUBSPICLK_N_DIFF
GPIO47/SPICLK_P/SUBSPICLK_P_DIFF
SPII06/GPIO35/FSPID/SUBSPID
SPII07/GPIO36/FSPICLK/SUBSPICLK
SPIDQS/GPIO37/FSPIQ/SUBSPIQ
GPIO38/FSPIWP/SUBSPIWP
MTCK/GPIO39/CLK_OUT3/SUBSPICS1
MTDO/GPIO40/CLK_OUT2
MTDI/GPIO41/CLK_OUT1
MTMS/GPIO42
GND
ESP32−S3−WROOM−1
U2
AMS1117−3.3
VI
VO
C5
10u
C4
100n
C1
10u
C2
100n
R2
1k
D1
PWR
R1
10k
C3
1u
SW1
RS
SW2
BT
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