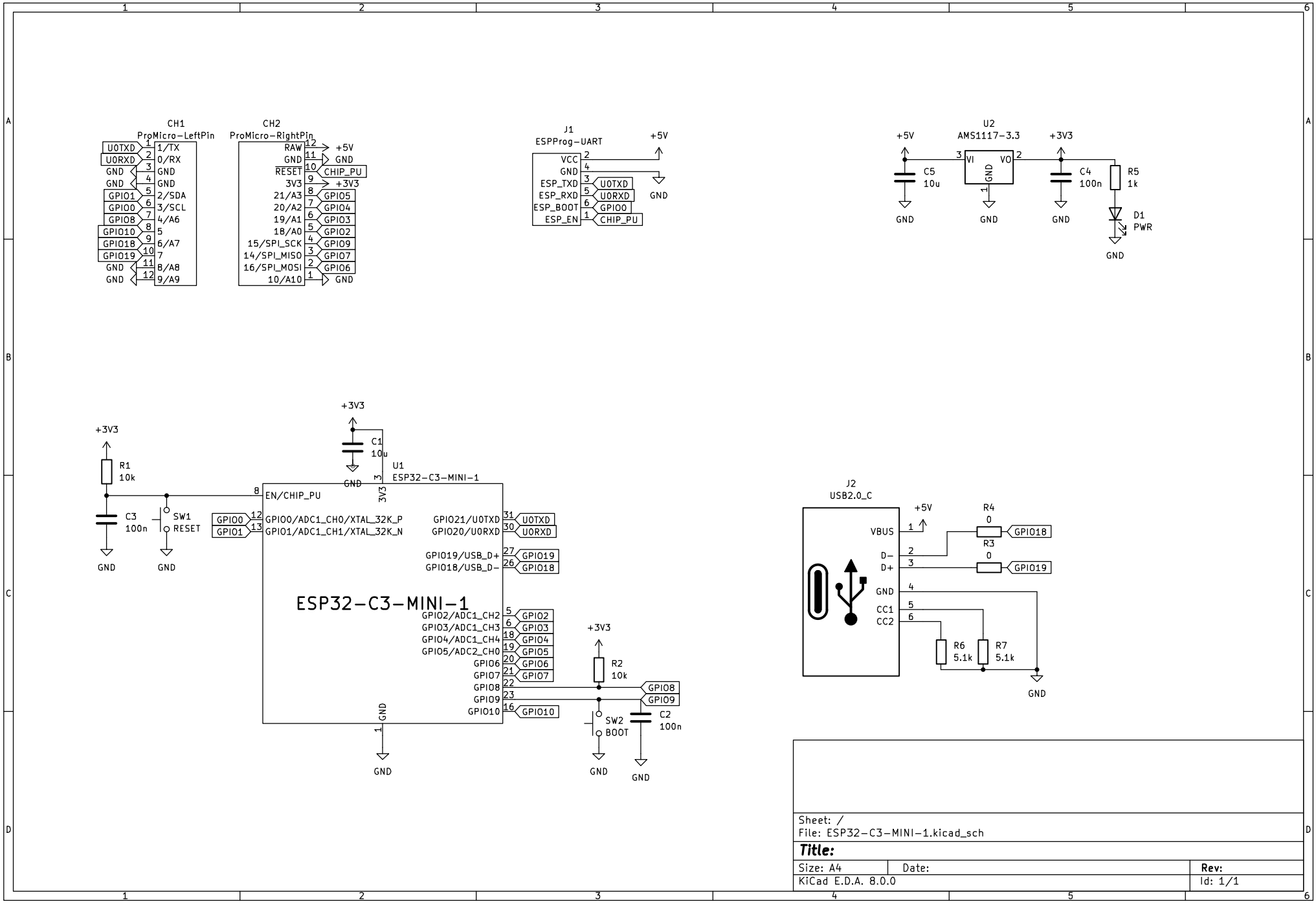
CH1
ProMicro-LeftPin
U0TXD 1 1/TX
U0RXD 2 0/RX
GND 3 GND
GND 4 GND
GPIO1 5 2/SDA
GPIO0 6 3/SCL
GPIO8 7 4/A6
GPIO10 8 5
GPIO18 9 6/A7
GPIO19 10 7
GND 11 8/A8
GND 12 9/A9
CH2
ProMicro-RightPin
RAW 12 +5V
GND 11 GND
RESET 10 CHIP_PU
3V3 9 +3V3
21/A3 8 GPIO5
20/A2 7 GPIO4
19/A1 6 GPIO3
18/A0 5 GPIO2
15/SPI_SCK 4 GPIO9
14/SPI_MISO 3 GPIO7
16/SPI_MOSI 2 GPIO6
10/A10 1 GND
J1
ESPProg-UART
VCC 2 +5V
GND 4 GND
ESP_TXD 3 U0TXD
ESP_RXD 5 U0RXD
ESP_BOOT 6 GPIO0
ESP_EN 1 CHIP_PU
U2
AMS1117-3.3
+5V
VI 3
VO 2
GND 1
C5
10u
GND
+3V3
C4
100n
R5
1k
D1
PWR
+3V3
R1
10k
C3
100n
SW1
RESET
C1
10u
U1
ESP32-C3-MINI-1
EN/CHIP_PU 8
GPIO0 12 GPIO0/ADC1_CH0/XTAL_32K_P
GPIO1 13 GPIO1/ADC1_CH1/XTAL_32K_N
GPIO21/U0TXD 31 U0TXD
GPIO20/U0RXD 30 U0RXD
GPIO19/USB_D+ 27 GPIO19
GPIO18/USB_D- 26 GPIO18
ESP32-C3-MINI-1
GPIO2/ADC1_CH2 5 GPIO2
GPIO3/ADC1_CH3 6 GPIO3
GPIO4/ADC1_CH4 18 GPIO4
GPIO5/ADC2_CH0 19 GPIO5
GPIO6 20 GPIO6
GPIO7 21 GPIO7
GPIO8 22 GPIO8
GPIO9 23 GPIO9
GPIO10 16 GPIO10
R2
10k
SW2
BOOT
C2
100n
J2
USB2.0_C
VBUS 1 +5V
D- 2 GPIO18
D+ 3 GPIO19
GND 4
CC1 5
CC2 6
R4
0
R3
0
R6
5.1k
R7
5.1k
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Date:
Rev:
KiCad E.D.A. 8.0.0
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