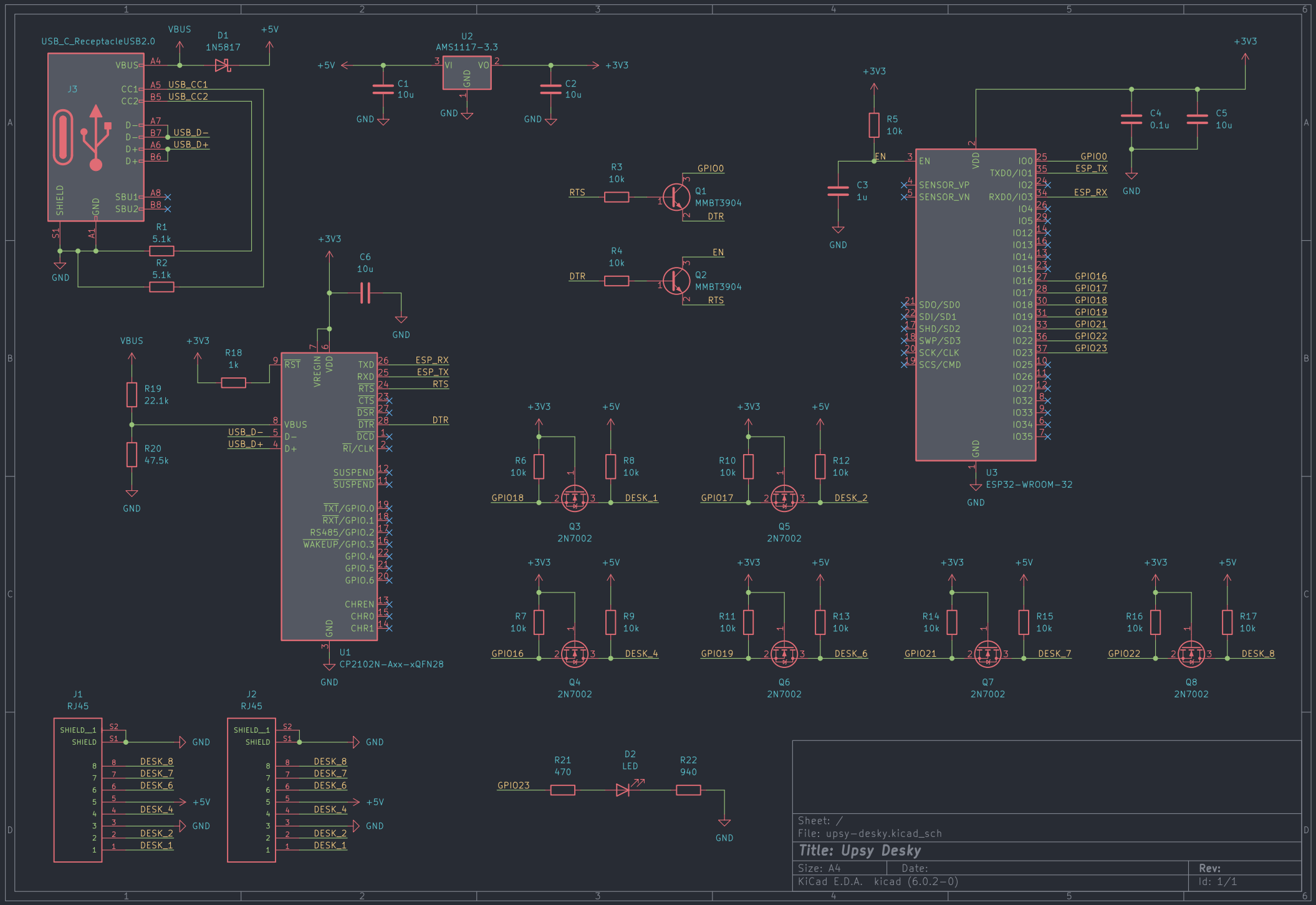
USB_C_ReceptacleUSB2.0
J3
VBUS
D1
1N5817
+5V
CC1
CC2
USB_CC1
USB_CC2
USB_D−
USB_D+
SHIELD
GND
SBU1
SBU2
R1
5.1k
R2
5.1k
U2
AMS1117−3.3
VI
VO
C1
10u
C2
10u
+3V3
R3
10k
RTS
Q1
MMBT3904
GPIO0
DTR
R4
10k
Q2
MMBT3904
EN
R5
10k
C3
1u
C4
0.1u
C5
10u
SENSOR_VP
SENSOR_VN
SDO/SD0
SDI/SD1
SHD/SD2
SWP/SD3
SCK/CLK
SCS/CMD
TXD0/IO1
RXD0/IO3
ESP_TX
ESP_RX
GPIO16
GPIO17
GPIO18
GPIO19
GPIO21
GPIO22
GPIO23
U3
ESP32−WROOM−32
C6
10u
R18
1k
R19
22.1k
R20
47.5k
RST
VREGIN
VDD
TXD
RXD
RTS
CTS
DSR
DTR
DCD
RI/CLK
SUSPEND
TXT/GPIO.0
RXT/GPIO.1
RS485/GPIO.2
WAKEUP/GPIO.3
GPIO.4
GPIO.5
GPIO.6
CHREN
CHR0
CHR1
U1
CP2102N−Axx−xQFN28
R6
10k
R8
10k
Q3
2N7002
DESK_1
R10
10k
R12
10k
Q5
2N7002
DESK_2
R7
10k
R9
10k
Q4
2N7002
DESK_4
R11
10k
R13
10k
Q6
2N7002
DESK_6
R14
10k
R15
10k
Q7
2N7002
DESK_7
R16
10k
R17
10k
Q8
2N7002
DESK_8
J1
RJ45
J2
RJ45
SHIELD_1
R21
470
D2
LED
R22
940
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Rev:
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