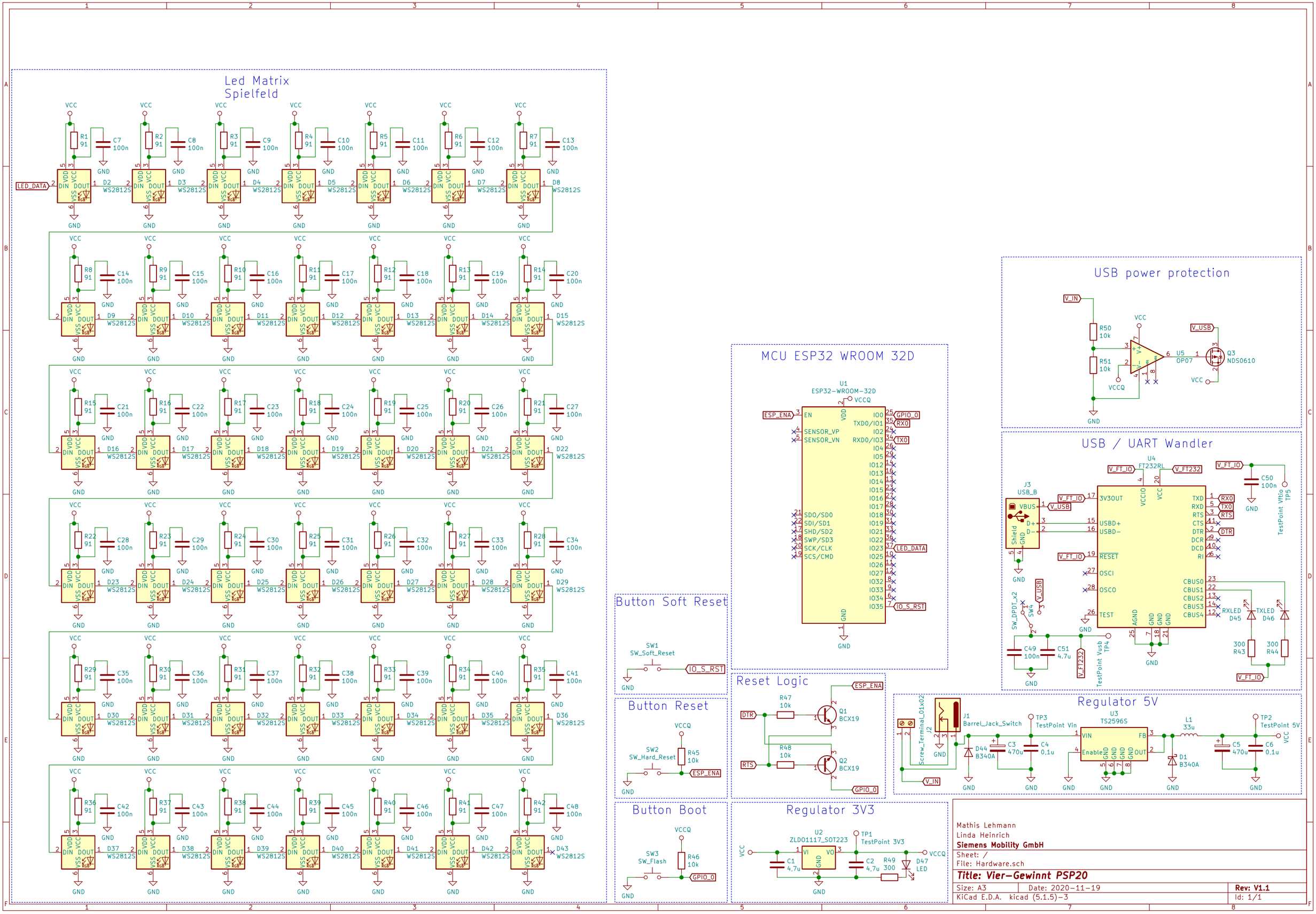
Led Matrix
Spielfeld
LED_DATA
WS2812S
MCU ESP32 WROOM 32D
U1
ESP32-WROOM-32D
ESP_ENA
GPIO_0
RX0
TX0
LED_DATA
IO_S_RST
Button Soft Reset
SW1
SW_Soft_Reset
Button Reset
SW2
SW_Hard_Reset
Button Boot
SW3
SW_Flash
Reset Logic
Q1
BCX19
Q2
BCX19
Regulator 3V3
U2
ZLD01117_SOT223
TP1
TestPoint 3V3
D47
LED
USB power protection
V_IN
R50
10k
R51
10k
U5
OP07
Q3
NDS0610
V_USB
USB / UART Wandler
U4
FT232RL
J3
USB_B
V_FT_IO
V_FT232
C50
100n
TestPoint Vfto
TP5
RXLED
D45
TXLED
D46
300
R43
300
R44
C49
100n
C51
4.7u
TestPoint Vusb
TP4
Regulator 5V
J2
Screw_Terminal_01x02
J1
Barrel_Jack_Switch
TP3
TestPoint Vin
U3
TS2596S
L1
33u
D44
B340A
C3
470u
C4
0.1u
D1
B340A
C5
470u
C6
0.1u
TP2
TestPoint 5V
Mathis Lehmann
Linda Heinrich
Siemens Mobility GmbH
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Rev: V1.1
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