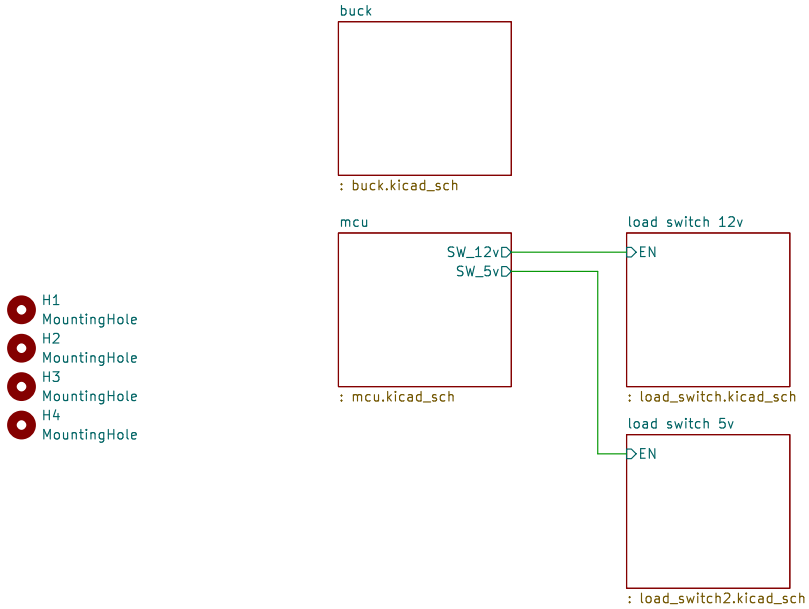

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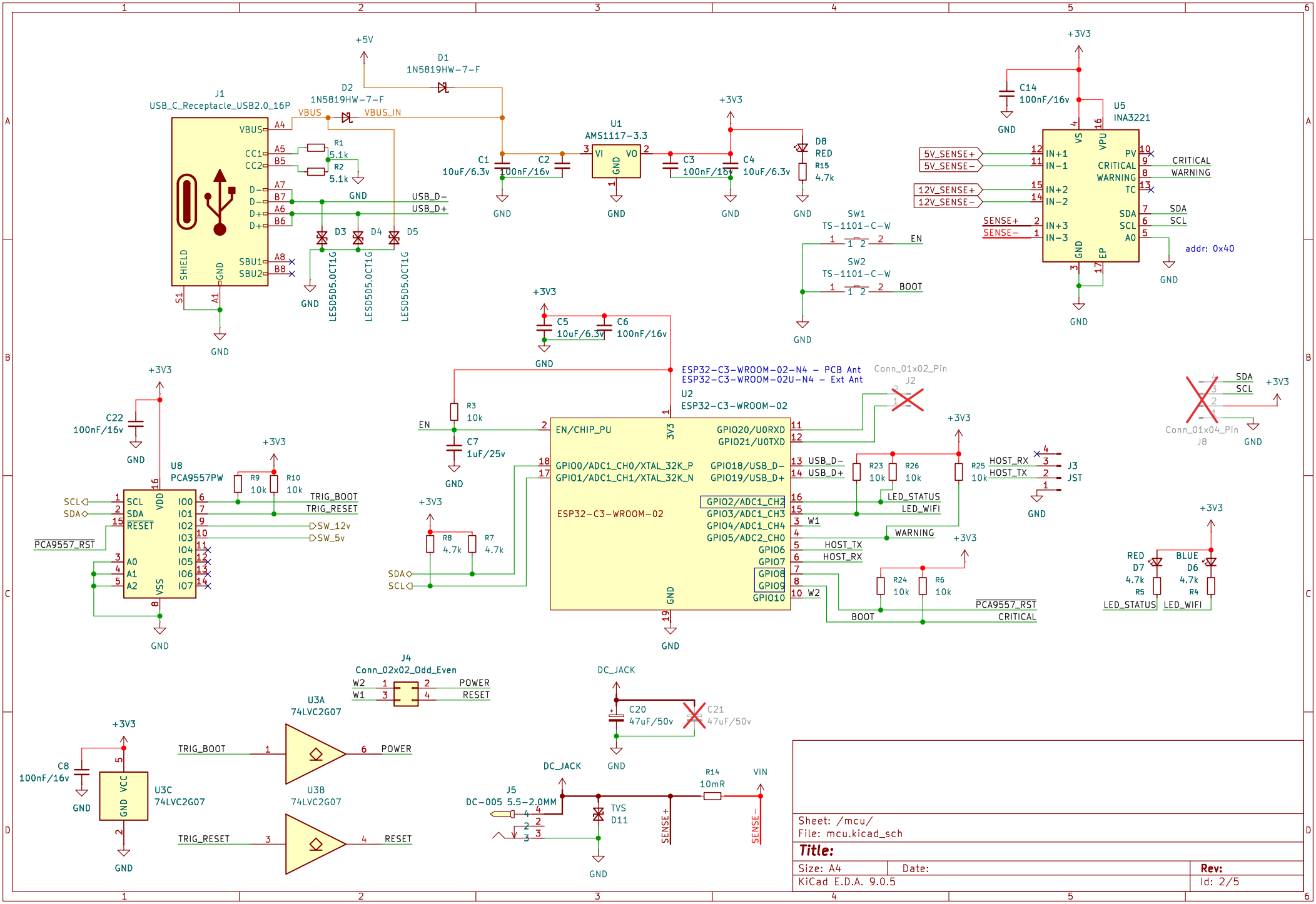
+5V
D1
1N5819HW-7-F
D2
1N5819HW-7-F
J1
USB_C_Receptacle_USB2.0_16P
VBUS
VBUS_IN
R1
5.1k
R2
5.1k
GND
USB_D-
USB_D+
D3
D4
D5
LESD5D5.0CT1G
U1
AMS1117-3.3
C1
10uF/6.3v
C2
100nF/16v
C3
100nF/16v
C4
10uF/6.3v
D8
RED
R15
4.7k
+3V3
C14
100nF/16v
U5
INA3221
5V_SENSE+
5V_SENSE-
12V_SENSE+
12V_SENSE-
SENSE+
SENSE-
CRITICAL
WARNING
SDA
SCL
addr: 0x40
SW1
TS-1101-C-W
EN
SW2
TS-1101-C-W
BOOT
C5
10uF/6.3v
C6
100nF/16v
ESP32-C3-WROOM-02-N4 - PCB Ant
ESP32-C3-WROOM-02U-N4 - Ext Ant
U2
ESP32-C3-WROOM-02
EN/CHIP_PU
GPIO0/ADC1_CH0/XTAL_32K_P
GPIO1/ADC1_CH1/XTAL_32K_N
GPIO20/U0RXD
GPIO21/U0TXD
GPIO18/USB_D-
GPIO19/USB_D+
GPIO2/ADC1_CH2
GPIO3/ADC1_CH3
GPIO4/ADC1_CH4
GPIO5/ADC2_CH0
GPIO6
GPIO7
GPIO8
GPIO9
GPIO10
R3
10k
C7
1uF/25v
R8
4.7k
R7
4.7k
Conn_01x02_Pin
J2
Conn_01x04_Pin
J8
J3
JST
HOST_RX
HOST_TX
R23
10k
R26
10k
R25
10k
LED_STATUS
LED_WIFI
WARNING
W1
W2
R24
10k
R6
10k
PCA9557_RST
CRITICAL
C22
100nF/16v
U8
PCA9557PW
R9
10k
R10
10k
TRIG_BOOT
TRIG_RESET
SW_12v
SW_5v
SCL
SDA
RESET
IO0
IO1
IO2
IO3
IO4
IO5
IO6
IO7
A0
A1
A2
VDD
VSS
RED
BLUE
D7
D6
4.7k
R5
R4
J4
Conn_02x02_Odd_Even
POWER
RESET
U3A
74LVC2G07
U3B
74LVC2G07
U3C
74LVC2G07
C8
100nF/16v
DC_JACK
C20
47uF/50v
C21
47uF/50v
J5
DC-005 5.5-2.0MM
TVS
D11
R14
10mR
VIN
SENSE+
SENSE-
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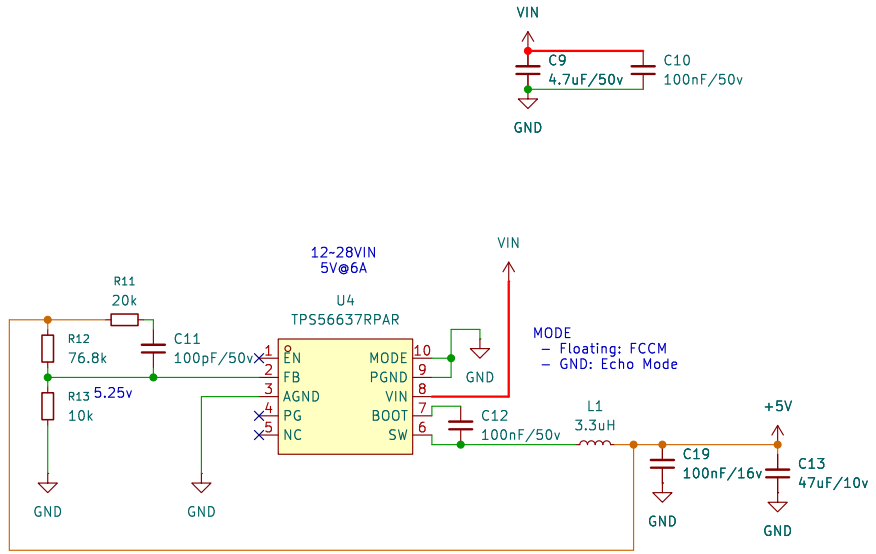

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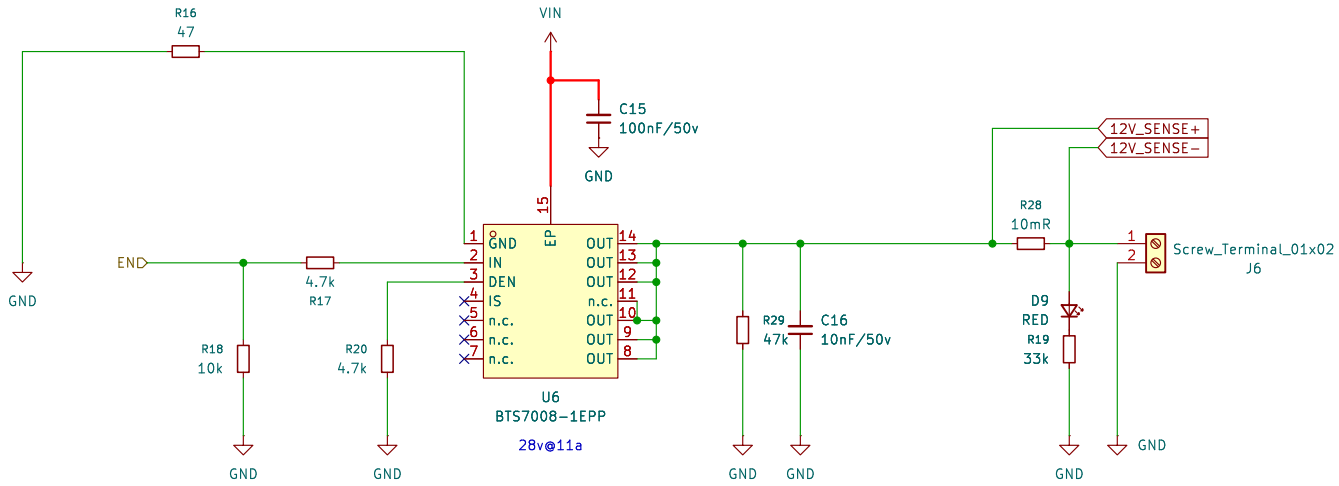

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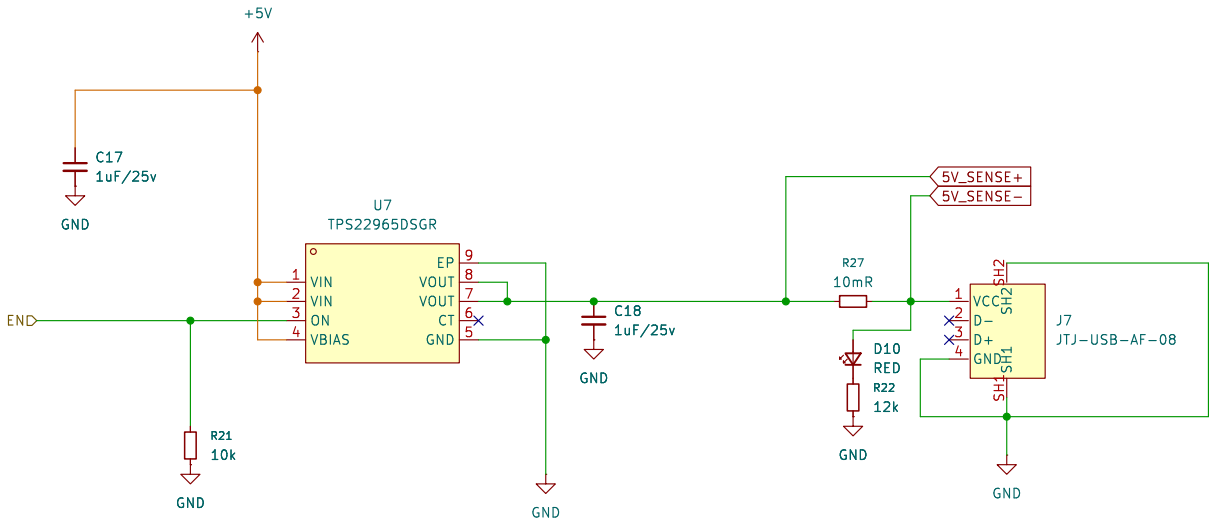

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