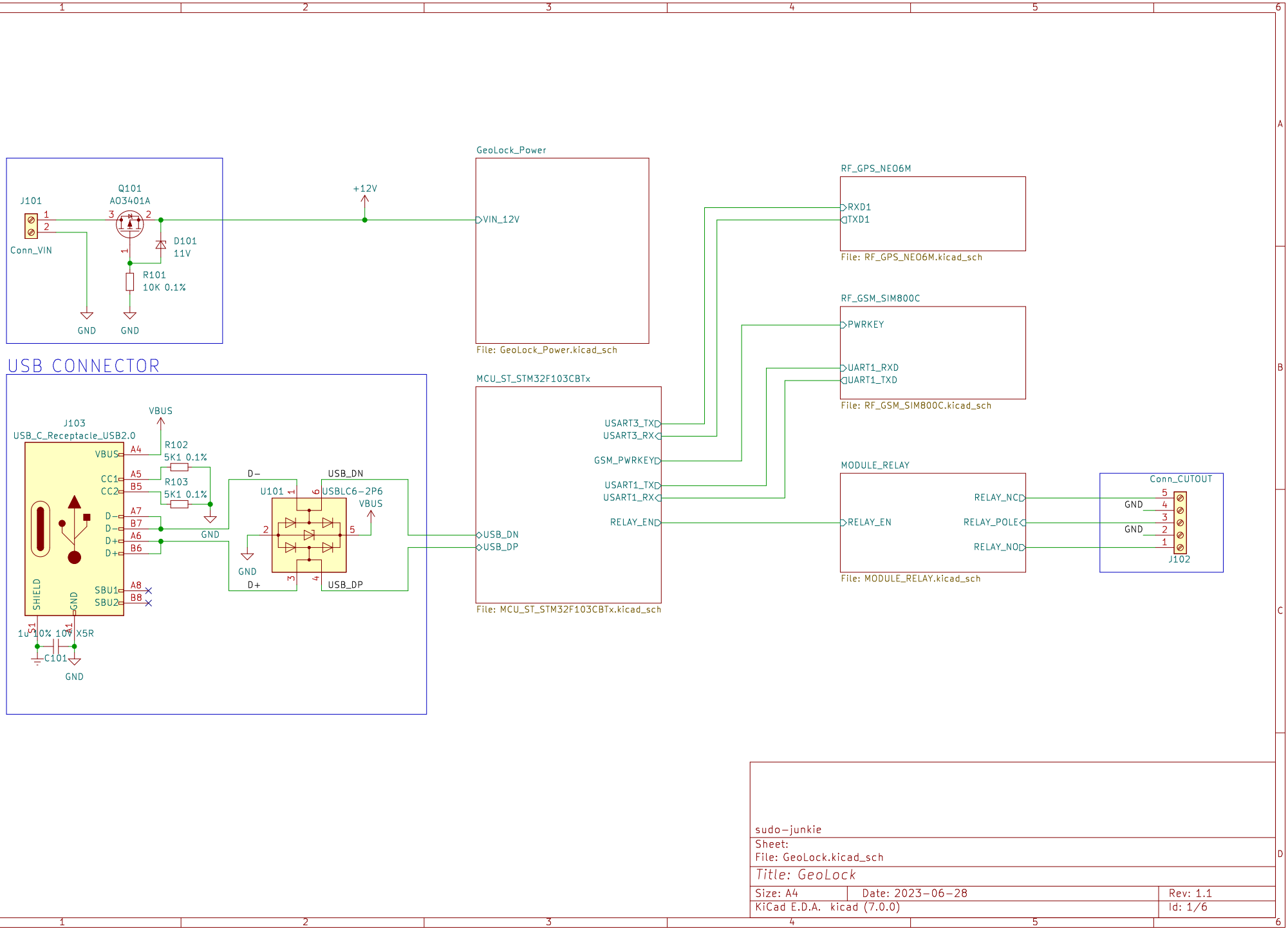
J101
Conn_VIN
Q101
AO3401A
D101
11V
R101
10K 0.1%
GND
GND
+12V
GeoLock_Power
VIN_12V
File: GeoLock_Power.kicad_sch
RF_GPS_NEO6M
RXD1
TXD1
File: RF_GPS_NEO6M.kicad_sch
RF_GSM_SIM800C
PWRKEY
UART1_RXD
UART1_TXD
File: RF_GSM_SIM800C.kicad_sch
USB CONNECTOR
J103
USB_C_Receptacle_USB2.0
VBUS
R102
5K1 0.1%
R103
5K1 0.1%
CC1
CC2
D-
D+
SHIELD
GND
SBU1
SBU2
C101
GND
U101
USBLC6-2P6
USB_DN
USB_DP
MCU_ST_STM32F103CBTx
USART3_TX
USART3_RX
GSM_PWRKEY
USART1_TX
USART1_RX
RELAY_EN
USB_DN
USB_DP
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MODULE_RELAY
RELAY_EN
RELAY_NC
RELAY_POLE
RELAY_NO
File: MODULE_RELAY.kicad_sch
Conn_CUTOUT
J102
sudo-junkie
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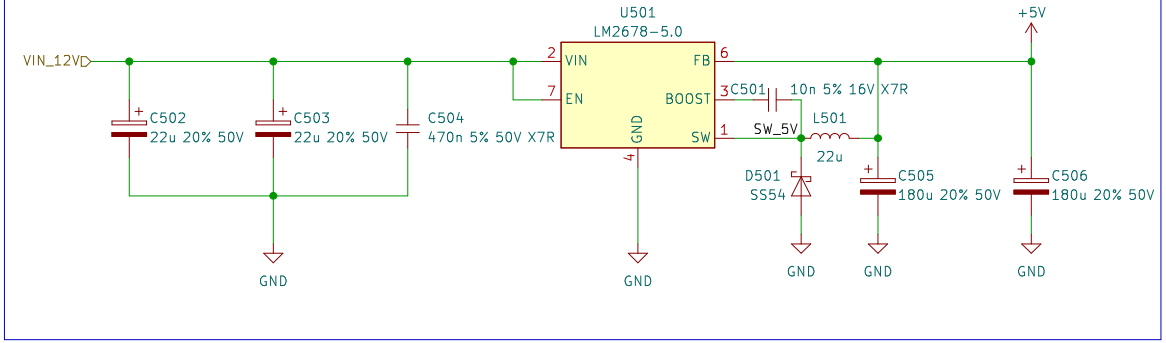
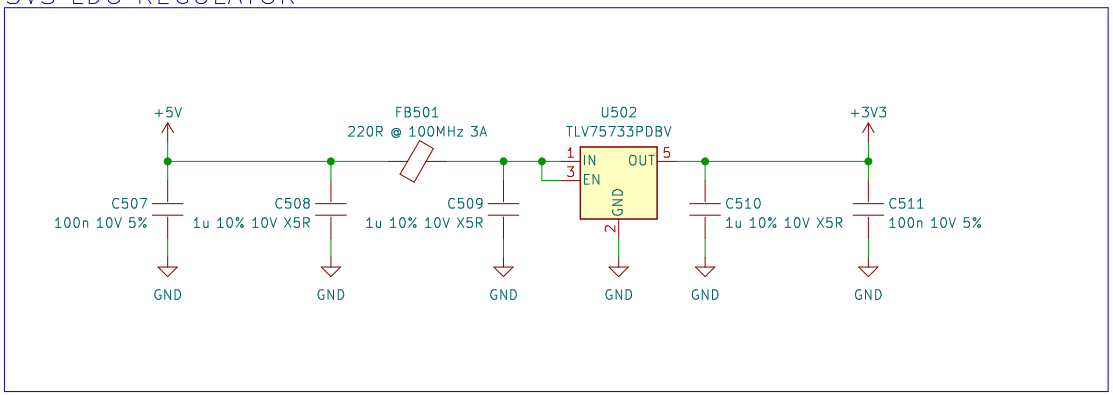
Title: GeoLock
Size: A4
Date: 2023-06-28
Rev: 1.1
KiCad E.D.A. kicad (7.0.0)
Id: 1/6

5V BUCK CONVERTER



3V3 LDO REGULATOR



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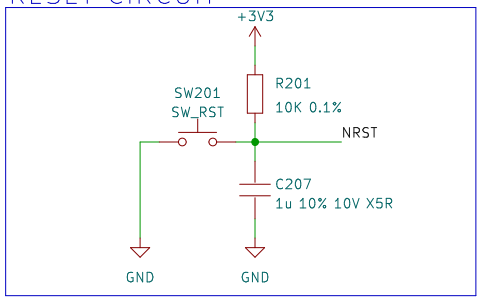
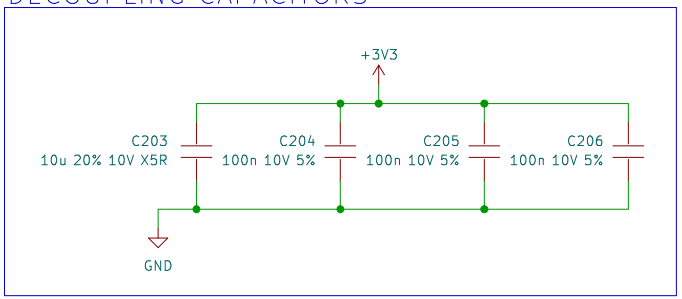
KiCad E.D.A. kicad (7.0.0)		Id: 2/6

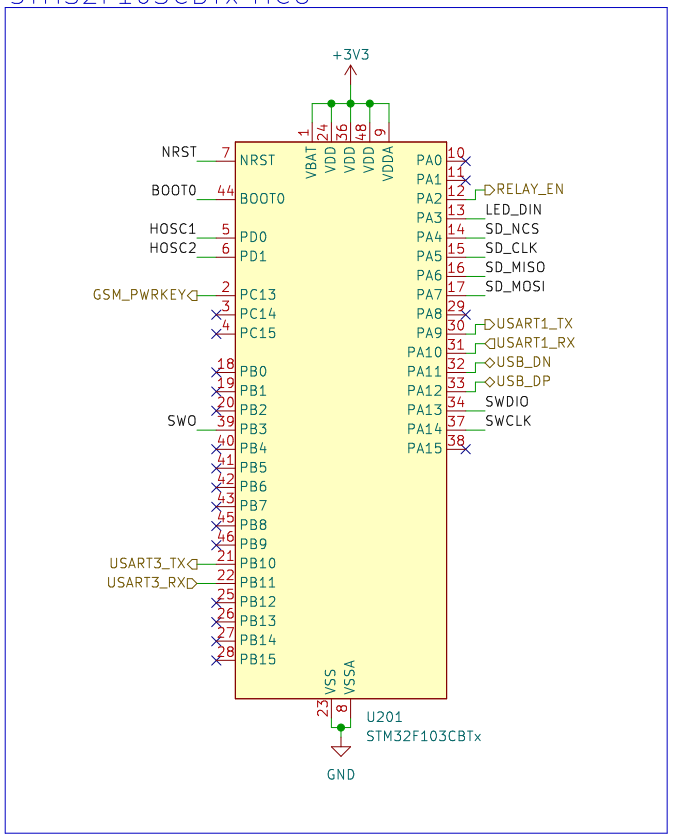
RESET CIRCUIT



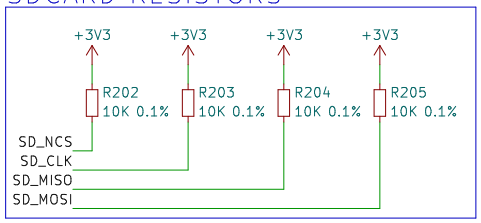
DECOUPLING CAPACITORS



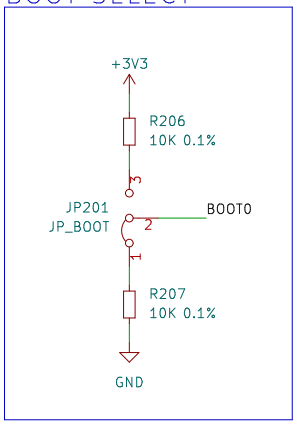
STM32F103CBTx MCU



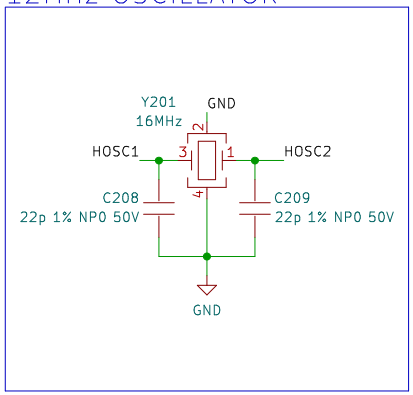
SDCARD RESISTORS



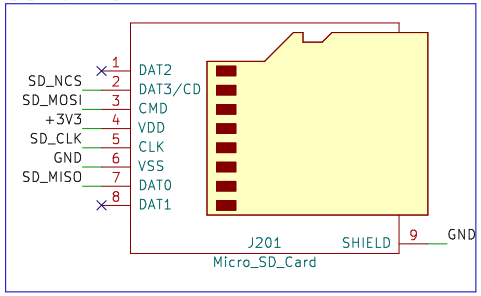
BOOT SELECT



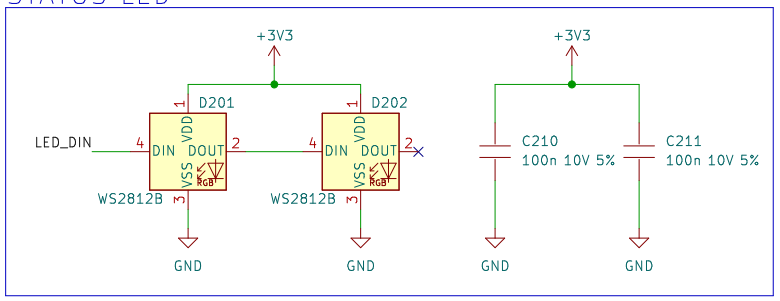
12MHz OSCILLATOR



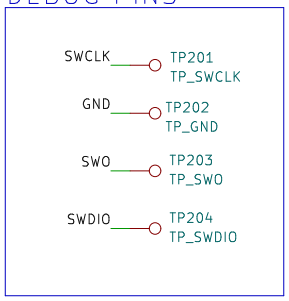
SD CARD



STATUS LED



DEBUG PINS



sudo-junkie

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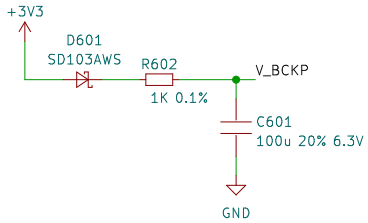
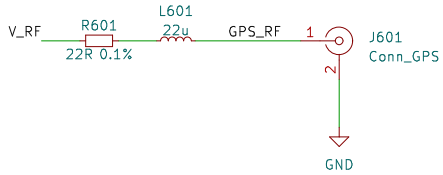
Title: GeoLock

Size: A4	Date: 2023-06-28	Rev: 1.1
KiCad E.D.A. kicad (7.0.0)		Id: 3/6

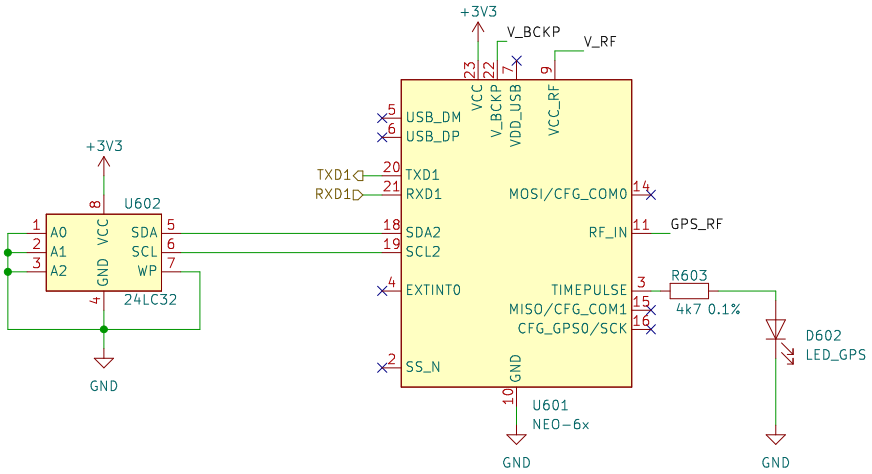
BACKUP BATTERY



ANTENNA CONNECTOR



NEO-6x GPS



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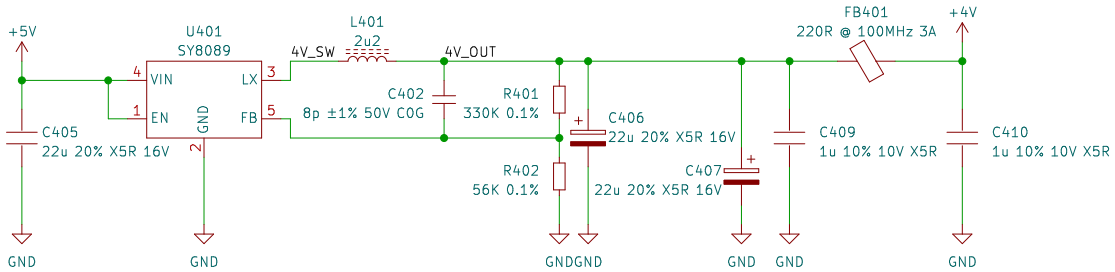
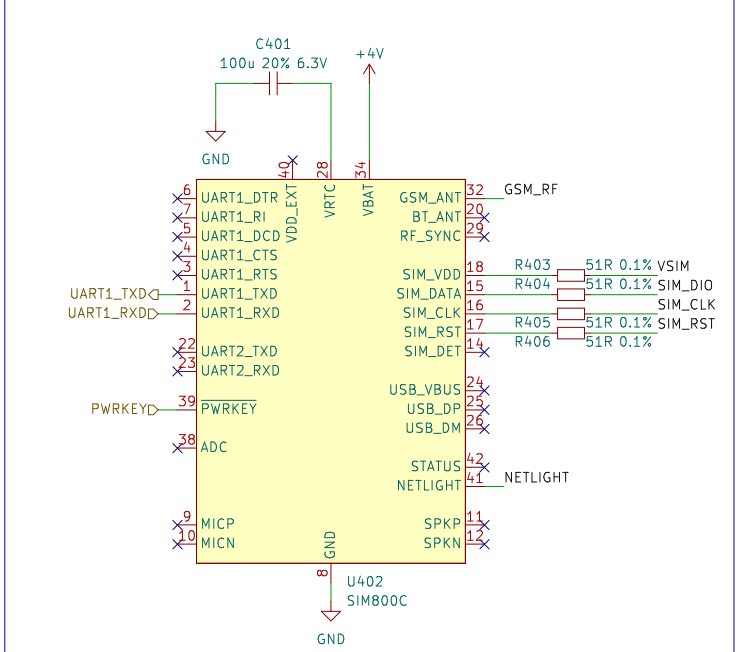
KiCad E.D.A. kicad (7.0.0)		Id: 4/6

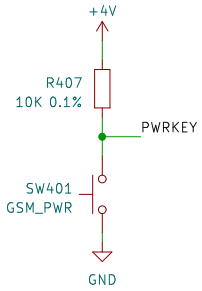
4V 2A BUCK REGULATOR



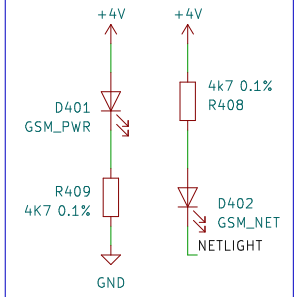
SIM800C GSM



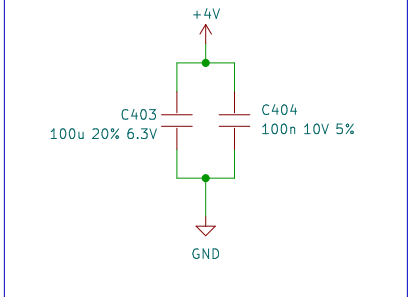
POWER BUTTON



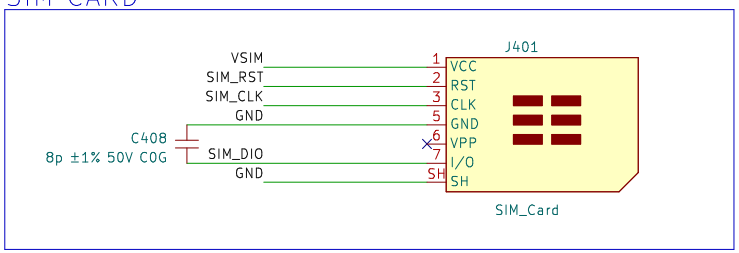
INDICATOR LEDs



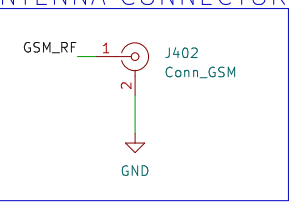
DECOUPLING



SIM CARD



ANTENNA CONNECTOR



sudo-junkie

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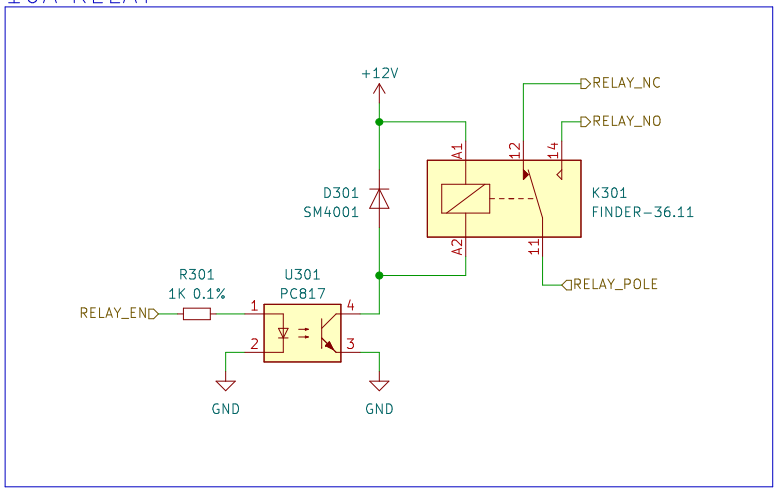
KiCad E.D.A. kicad (7.0.0)		Id: 5/6

10A RELAY



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