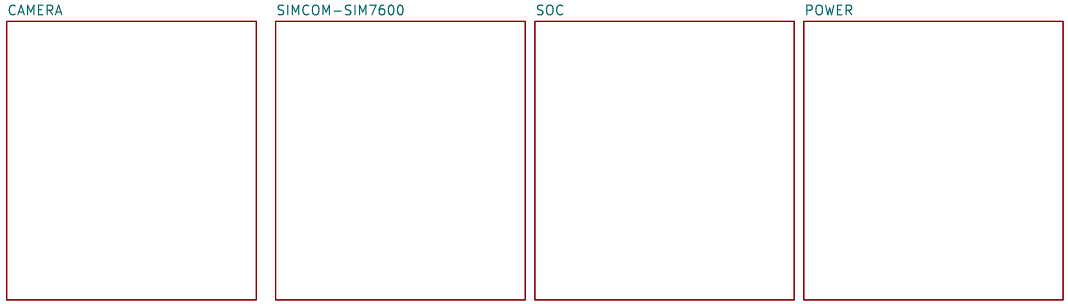

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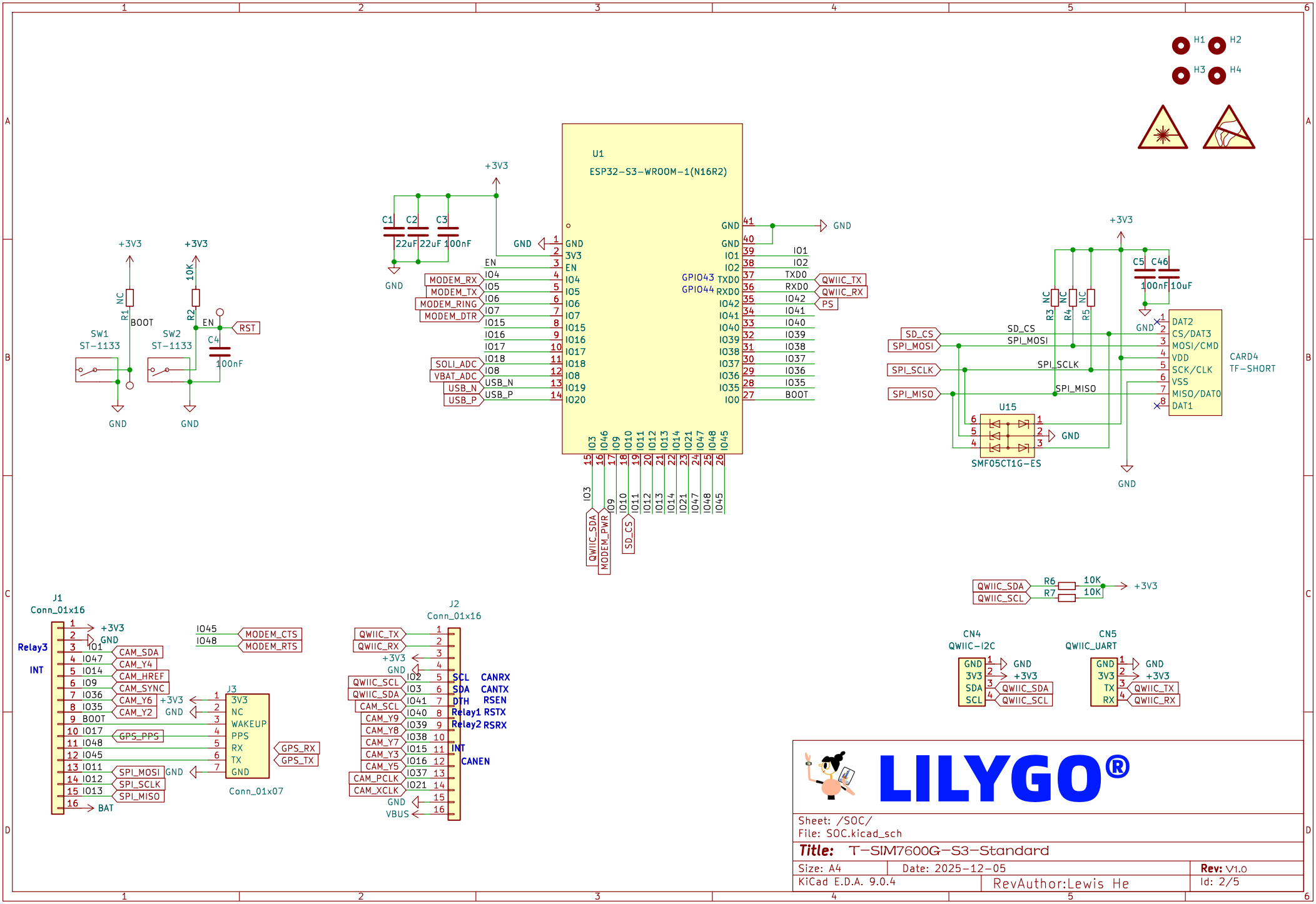
Title: T-SIM7600G-S3-Standard

Size: A4	Date: 2025-12-05	**Rev:** V1.0
KiCad E.D.A. 9.0.4	RevAuthor:Lewis He	Id: 1/5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H2
H3
H4
U1
ESP32-S3-WROOM-1(N16R2)
+3V3
C1 22uF
C2 22uF
C3 100nF
GND
EN
IO4
IO5
IO6
IO7
IO15
IO16
IO17
IO18
IO8
IO19
IO20
MODEM_RX
MODEM_TX
MODEM_RING
MODEM_DTR
SOLI_ADC
VBAT_ADC
USB_N
USB_P
IO1
IO2
TXD0
RXD0
IO42
IO41
IO40
IO39
IO38
IO37
IO36
IO35
BOOT
QWIIC_TX
QWIIC_RX
PS
GPIO43
GPIO44
IO3
IO46
IO9
IO10
IO11
IO12
IO13
IO14
IO21
IO47
IO48
IO45
QWIIC_SDA
MODEM_PWR
SD_CS
SW1 ST-1133
SW2 ST-1133
BOOT
EN
RST
R1 NC
R2 10K
C4 100nF
SD_CS
SPI_MOSI
SPI_SCLK
SPI_MISO
R3 NC
R4 NC
R5 NC
C5 100nF
C46 10uF
U15
SMF05CT1G-ES
CARD4
TF-SHORT
DAT2
CS/DAT3
MOSI/CMD
VDD
SCK/CLK
VSS
MISO/DAT0
DAT1
J1
Conn_01x16
Relay3
INT
BAT
CAM_SDA
CAM_Y4
CAM_HREF
CAM_SYNC
CAM_Y6
CAM_Y2
GPS_PPS
SPI_MOSI
SPI_SCLK
SPI_MISO
J3
Conn_01x07
3V3
NC
WAKEUP
PPS
RX
TX
GND
GPS_RX
GPS_TX
MODEM_CTS
MODEM_RTS
J2
Conn_01x16
QWIIC_TX
QWIIC_RX
QWIIC_SCL
QWIIC_SDA
CAM_SCL
CAM_Y9
CAM_Y8
CAM_Y7
CAM_Y3
CAM_Y5
CAM_PCLK
CAM_XCLK
VBUS
SCL CANRX
SDA CANTX
DTH RSEN
Relay1 RSTX
Relay2 RSRX
INT
CANEN
R6 10K
R7 10K
CN4
QWIIC-I2C
CN5
QWIIC_UART
TX
RX
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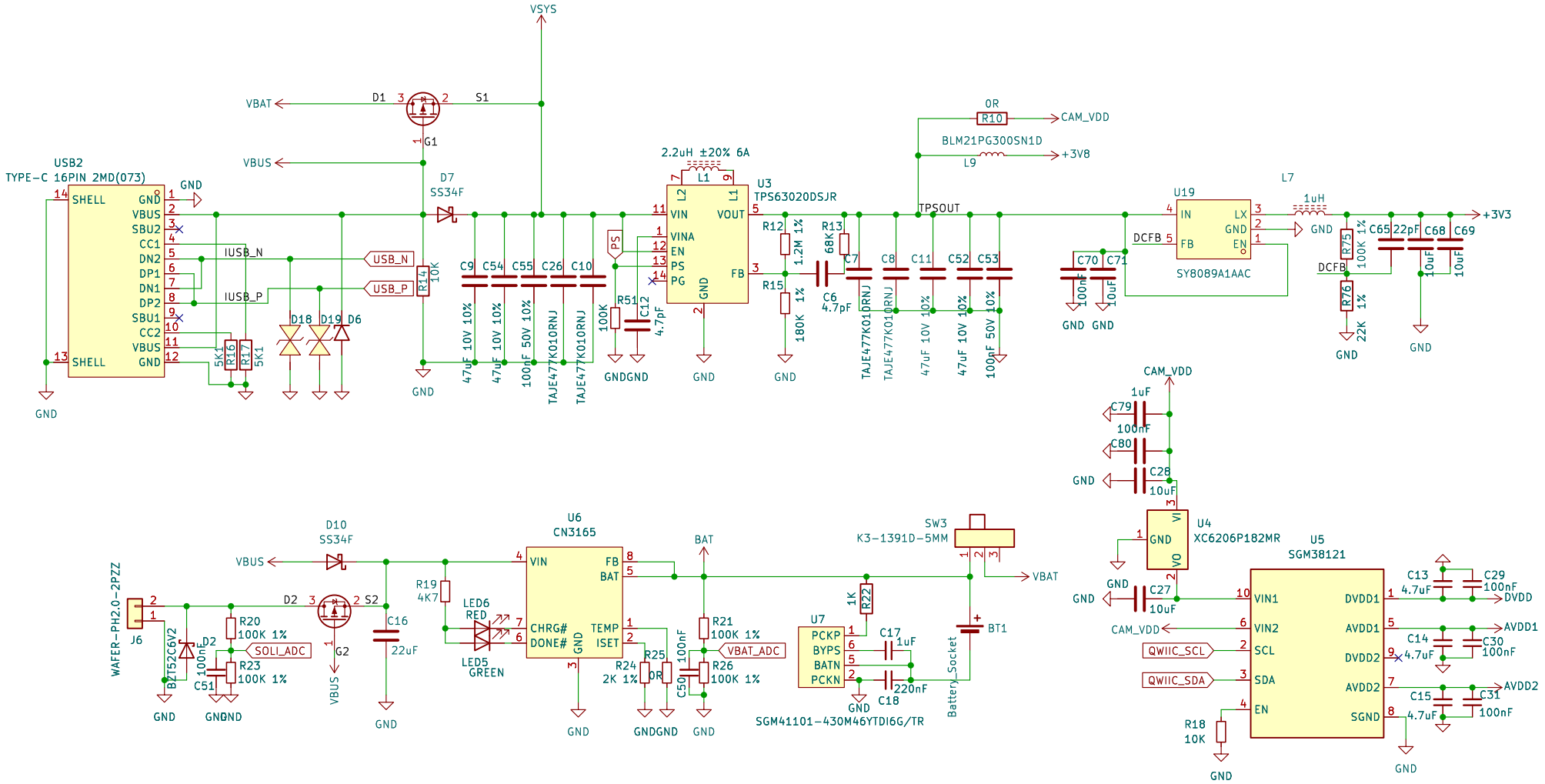
Title: T-SIM7600G-S3-Standard
Size: A4
Date: 2025-12-05
Rev: V1.0
KiCad E.D.A. 9.0.4
RevAuthor:Lewis He
Id: 2/5



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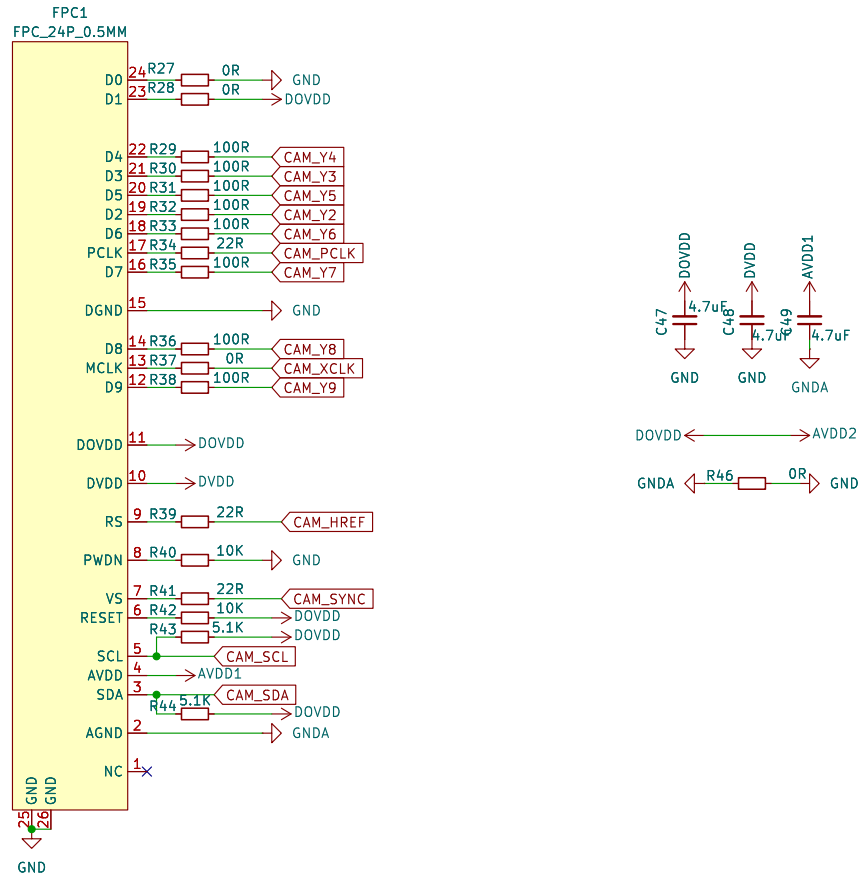
Size: A4	Date: 2025-12-05	**Rev:** V1.0
KiCad E.D.A. 9.0.4	RevAuthor:Lewis He	Id: 3/5



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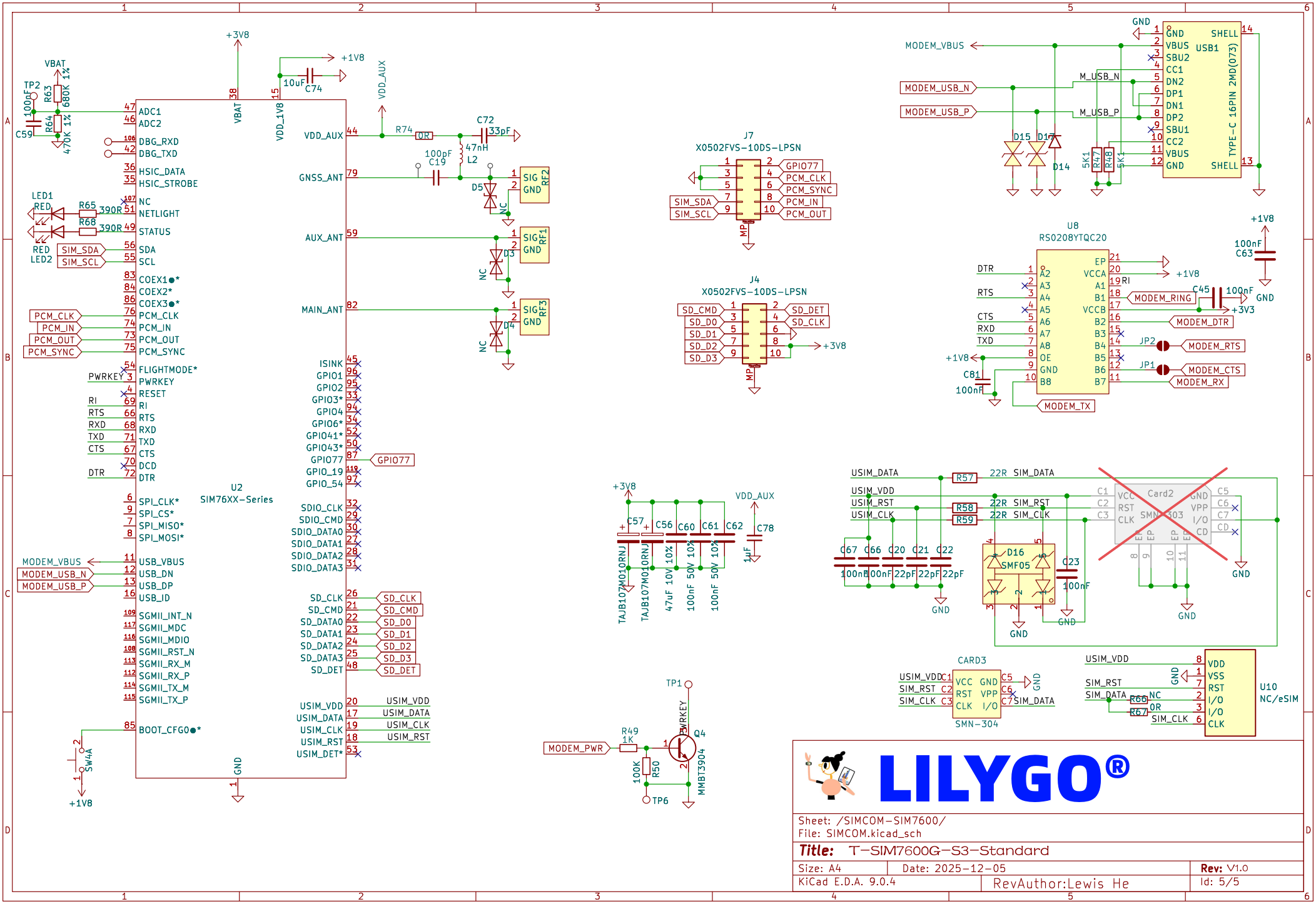
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SIM76XX-Series
U8
RS0208YTQC20
J7
X0502FVS-10DS-LPSN
J4
X0502FVS-10DS-LPSN
U10
NC/eSIM
CARD3
SMN-304
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Size: A4
Date: 2025-12-05
Rev: V1.0
KiCad E.D.A. 9.0.4
RevAuthor:Lewis He
Id: 5/5