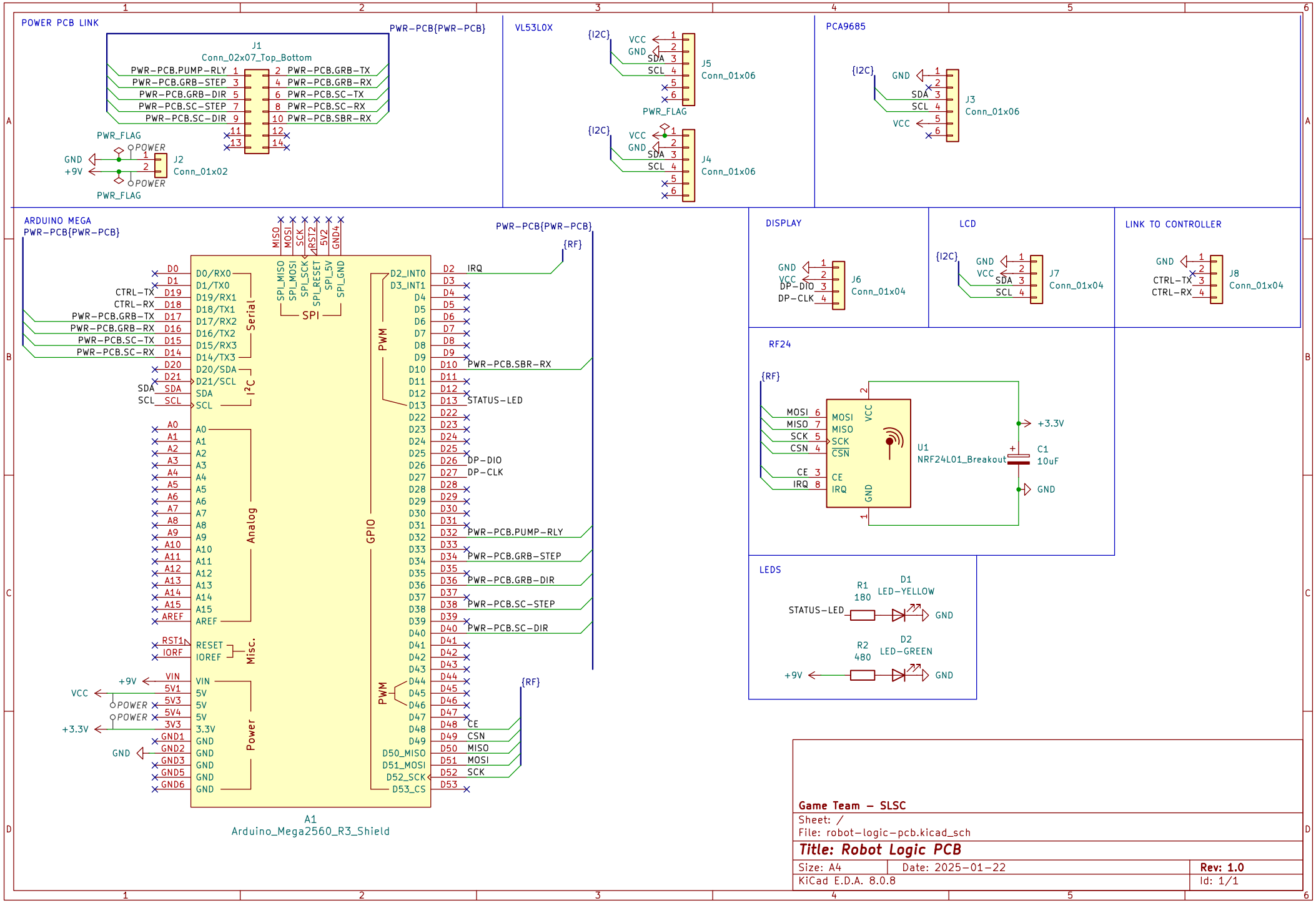
POWER PCB LINK
PWR-PCB{PWR-PCB}
J1
Conn_02x07_Top_Bottom
PWR-PCB.PUMP-RLY
PWR-PCB.GRB-STEP
PWR-PCB.GRB-DIR
PWR-PCB.SC-STEP
PWR-PCB.SC-DIR
PWR-PCB.GRB-TX
PWR-PCB.GRB-RX
PWR-PCB.SC-TX
PWR-PCB.SC-RX
PWR-PCB.SBR-RX
PWR_FLAG
POWER
GND
+9V
J2
Conn_01x02
VL53L0X
{I2C}
VCC
GND
SDA
SCL
J5
Conn_01x06
J4
Conn_01x06
PCA9685
J3
Conn_01x06
ARDUINO MEGA
PWR-PCB{PWR-PCB}
MISO
MOSI
SCK
RST2
5V2
GND4
SPI_MISO
SPI_MOSI
SPI_SCK
SPI_RESET
SPI_5V
SPI_GND
SPI
Serial
I2C
Analog
Misc.
Power
GPIO
PWM
CTRL-TX
CTRL-RX
SDA
SCL
RESET
IOREF
VIN
5V1
5V3
5V4
3V3
3.3V
GND1
GND2
GND3
GND5
GND6
{RF}
IRQ
STATUS-LED
DP-DIO
DP-CLK
CE
CSN
MISO
MOSI
SCK
D50_MISO
D51_MOSI
D52_SCK
D53_CS
A1
Arduino_Mega2560_R3_Shield
DISPLAY
J6
Conn_01x04
LCD
J7
Conn_01x04
LINK TO CONTROLLER
J8
Conn_01x04
RF24
U1
NRF24L01_Breakout
C1
10uF
+3.3V
LEDS
R1
180
D1
LED-YELLOW
R2
480
D2
LED-GREEN
Game Team - SLSC
Sheet: /
File: robot-logic-pcb.kicad_sch
Title: Robot Logic PCB
Size: A4
Date: 2025-01-22
Rev: 1.0
KiCad E.D.A. 8.0.8
Id: 1/1