12 VDC

GGR UNO R4 WiFi
U?

ARDUINO UNO R4

Vin 3.3V 5V AREF VBatt I2C - CLK I2C - DATA D13 (SPI - SCK) D12 (SPI - MISO) D11 (PWM / SPI - MOSI) D10 (PWM / SPI - SS) D9 (PWM) D8 D7 D6 (PWM) D5 (PWM) D4 D3 (INT 1 / PWM) D2 (INT 0) D1 (TX) D0 (RX) A0 A1 A2 A3 A4 A5

USB PORT

QT

GND

CLK DATA Vdc Gnd

Motor Controller

1 ENA
2 IN1
3 IN2
4 IN3
5 IN4
6 ENB

MA+ 1
MA- 2
MB+ 3
MB- 4

Gnd 9V

M

ENC_A ENC_B

GND

12VDC > 5VDC Buck

QT PCF8575 I2C QT

P15 P14 P13 P12 P11 P10 P9 P8

P0 P1 P2 P3 A4 P5 P6 P7

SWITCH1
S?

SWITCH1
S?

LED_TRICOLOR_2

R G B Anode

LED_TRICOLOR_2

R G B Anode

GND

GND

5 VDC

| | | |
|---|---|---|
| Title | | |
| Author | | |
| File F:\CNC-Models\LazySusan\L ... LS5-Circuit.dsn | | Document |
| Revision 1.0 | Date | Sheets 1 of 1 |