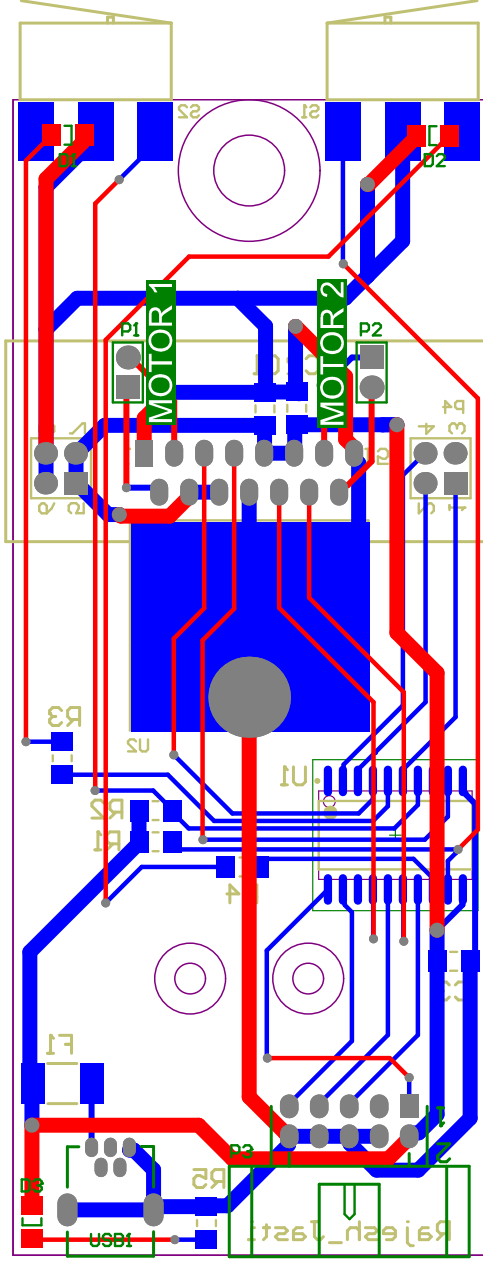


|                                   |  |                  |
|-----------------------------------|--|------------------|
| Title                             |  |                  |
| Rajesh_Jasti_17978253_Lab1.SchDoc |  |                  |
| Size                              | Number   | Revision         |
| A4                                | 1  | Prototype        |
| Date:                             | 10/25/2020                                     | Sheet of 1       |
| File:                             | C:\Users\...\Rajesh_Jasti_17978253_Lab1.SchDoc | By: Rajesh_Jasti |



| Comment              | Description  | Designator     | Footprint           | LibRef               | Quantity |
|----------------------|--|----------------|---------------------|----------------------|----------|
| 0.1uF                | Non Polarized Capacitor, SMD, 1206   | C1, C2, C3     | CAP_1206            | CAPN 1206            | 3        |
| LED-BLUE             | BLUE LED, Case 1206  | D1, D2, D3     | LED1206B            | SMD 1206 LED-BLUE    | 3        |
| MINIASMDC030F-2      | Fuse, PTC Reset, 300mA Hold, 600mA Tripping, 30v, SMD                            | F1             | MINIASMDC030F-2     | MINIASMDC030F-2      | 1        |
| Motor_1              | Header, Plug, 2.54mm, 2 Pins, Straight   | P1             | HDR1X2_AUT          | HDR1X2V              | 1        |
| Motor_2              | Header, Plug, 2.54mm, 2 Pins, Straight   | P2             | HDR1X2_AUT          | HDR1X2V              | 1        |
| Box Header 5X2/RA    | Header, Box, 10 Way, 2.54mm, Right Angle   | P3             | FKV10SD_AUT         | Box Header 5X2/RA    | 1        |
| Line Following Board | Connectors for Line Followinf Board  | P4             | Line Folloing Board | Line Following Board | 1        |
| 330R                 | Resistor, SMD, 1206  | R1, R2, R3, R4 | RES_1206            | Resistor 1206        | 4        |
| 120R                 | Resistor, SMD, 1206  | R5             | RES_1206            | Resistor 1206        | 1        |
| SW0167               | Micro Switch Miniature 12mm  | S1, S2         | SW0167              | SW0167               | 2        |
| ATTINY1634-SU        | 8-bit AVR Microcontroller, 1.8-5.5V, 4KB Flash, 256 Bytes EEPROM, 256 Bytes SRAM | U1             | 20S_M               | ATTINY1634-SU        | 1        |
| L298HN               | Dual Full Bridge Driver, Horiz   | U2             | Multiwatt15H        | L298HN               | 1        |
| MINI USB             | MINI USB TYPE A/B, RECEPTACLE, THROUGH HOLE                                      | USB1           | USB-MINI-TH         | USB-MINI-A/B TH      | 1        |