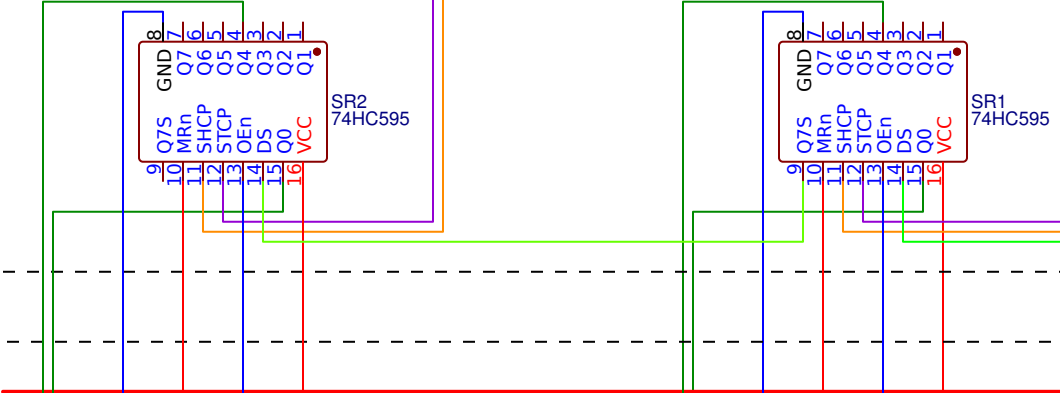


## Logic chain

translates digital text to binary Braille



5v logic

U1  
ARDUINOUNO

Uno R1R2  
Diecimila  
Duemilanove

AREF  
GND  
D13  
D12  
D11  
D10  
D9  
D8  
D7  
D6  
D5  
D4  
D3  
D2  
D1  
TX  
RX  
D0

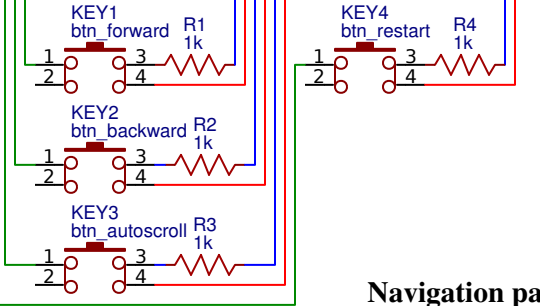
RESET  
3V  
5V  
GND2  
GND1  
VIN  
A0  
A1  
A2  
A3  
A4  
A5

## Communication module

talks to the  
phone app  
via Bluetooth

U2  
HC-05  
HC-05  
BLUETOOTH

1 STATE->  
2 RXD->  
3 TXD->  
4 GND  
5 VCC  
6 EN-

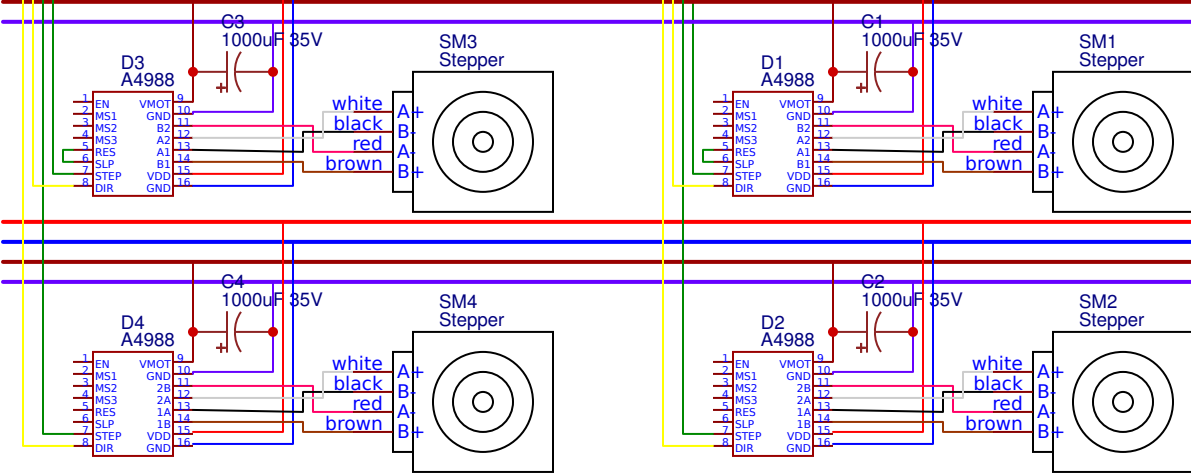


## Navigation panel

9V battery

9V battery

## Motor driving chain



TITLE: eTouch with stepper motors (minimal)		REV: 1.0
Company: eTouch		Sheet: 1/1
Date: 2019-05-04	Drawn By: Artem Laptiev	