Circuit v3

5V in

+

-

COMMON GROUND

Replace with RJ 11 Connections

DRV8833

IN1
IN2
VCC
GND
IN3
IN4

ULT
OUT4
OUT3
OUT2
OUT1
EEP

DC Motor

DC Motor

DC Motor

DC Motor

DRV8833

IN1
IN2
VCC
GND
IN3
IN4

ULT
OUT4
OUT3
OUT2
OUT1
EEP

← OUT

IN ←

VCC
GND
DIN / MOSI 11
CS
CLK / SCK 13

8X8 LED Matrix MAX7219

VCC
GND
DIN / MOSI 11
CS
CLK / SCK 13

← OUT

IN ←

VCC
GND
DIN / MOSI 11
CS
CLK / SCK 13

8X8 LED Matrix MAX7219

VCC
GND
DIN / MOSI 11
CS
CLK / SCK 13

OUT
VCC
GND

IR Sensor

VCC
GND

Button

VCC
GND

Ultrasonic

VCC
GND

XYZ

VIN G Res +5v A7 A6 A5 A4 A3 A2 A1 A0 aref +3v D13

Arduino Nano

USB

tx rx res G D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12