Monitor

Control Module

Rear Side of Car

Monitor power

Monitor Com

12V

5V

IC1
OUT 78XX IN
GND

Part3

VIN 5V 3V3
RESET   D13/SCK
AREF   D12/MISO
                  D11/MOSI
A0   D10
A1   D9
A2   D8
A3   D7
A4   D6
A5   D5
A6   D4
A7   D3
                  D2
Arduino
Nano
(Rev3.0)
                  D1/TX
GND   D0/RX

R6
±5%
10kΩ

R5
±5%
11kΩ

R4
±5%
5.6kΩ

Manual button

D1
1N4001

R1
±5%
1kΩ

R2
±5%
1kΩ

Q1

Q2

R3
±5%
330Ω

U1

D2
1N4001

Rear gear bulb

Camera Power (1 - +12V, 2 - Ground)

Camera Video (1 video, 2 Ground)

fritzing