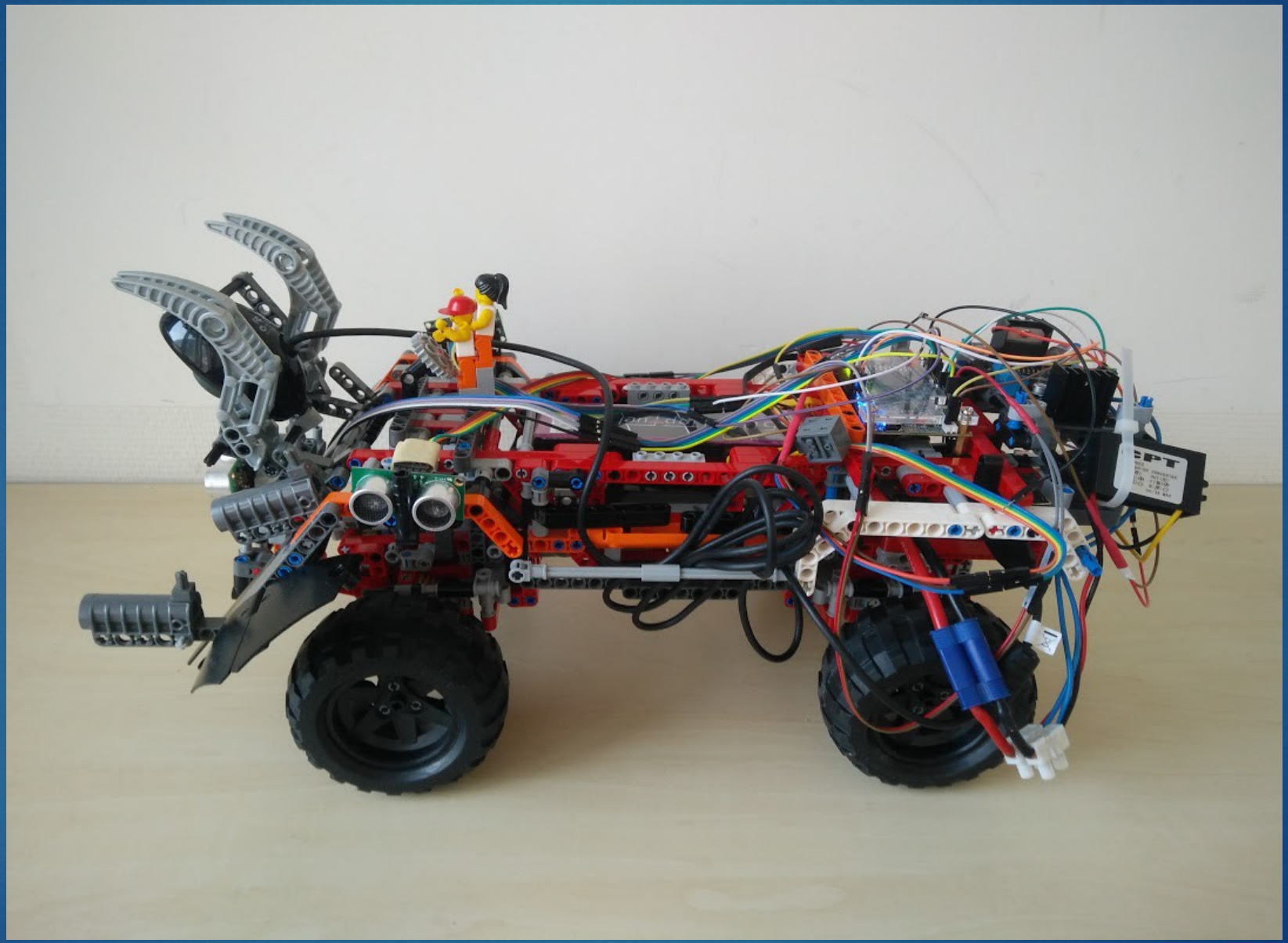
Hardware & Wiring



Hardware

Components

Controll
- DE0-Nano Board
- Raspberry Pi 3

Actuators
- Steering Servo Motor
- Drive Motors

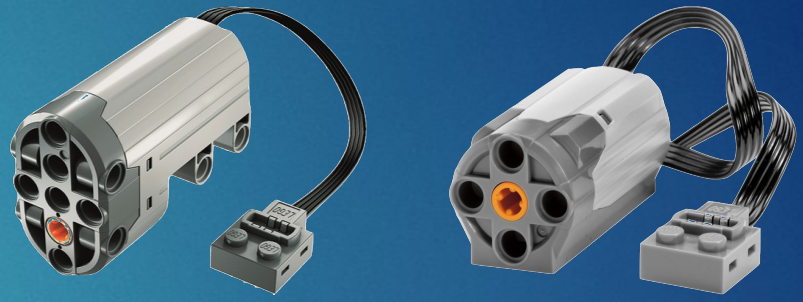
Sensors
- KS103 Ultrasound Sensor
- Camera

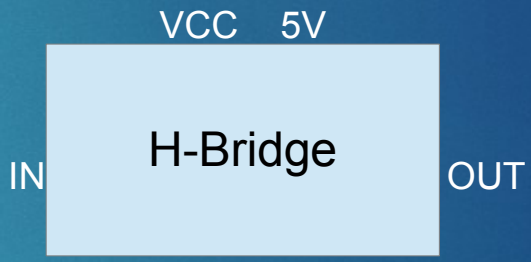
Power Supply
- Battery
- H-Bridge
- CPT 15W DC/DC Converter

Wiring

Wiring

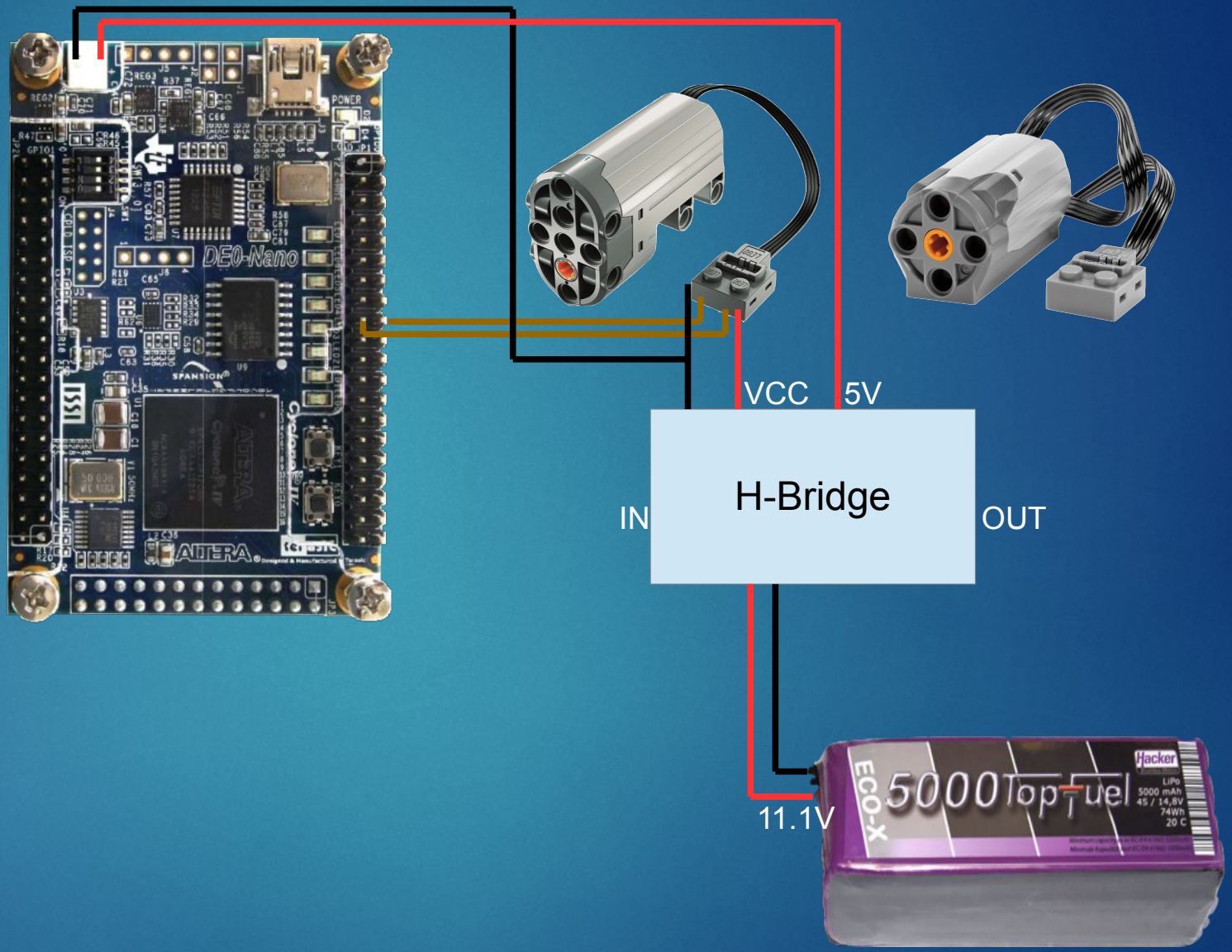
DE0-Nano
ALTERA
SPANSION



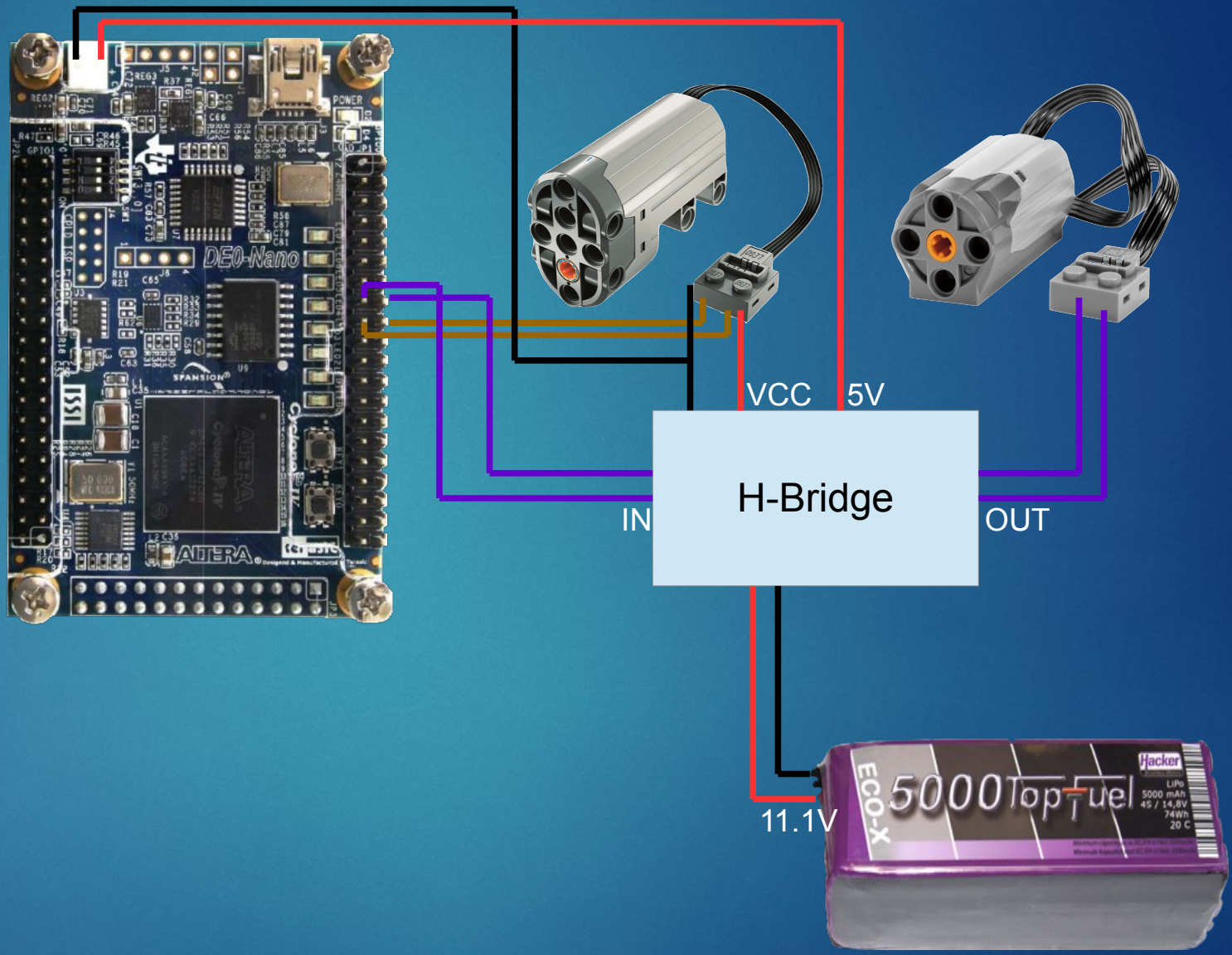

VCC 5V
IN
H-Bridge
OUT

ECO-X
5000
TopFuel
Hacker
LiPo
5000 mAh
45 / 14,8V
74Wh
20 C

Wiring



Wiring



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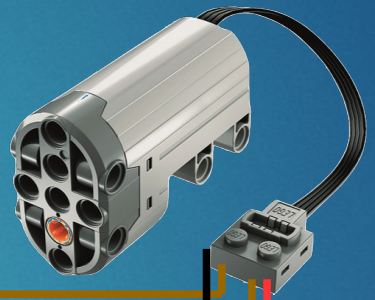


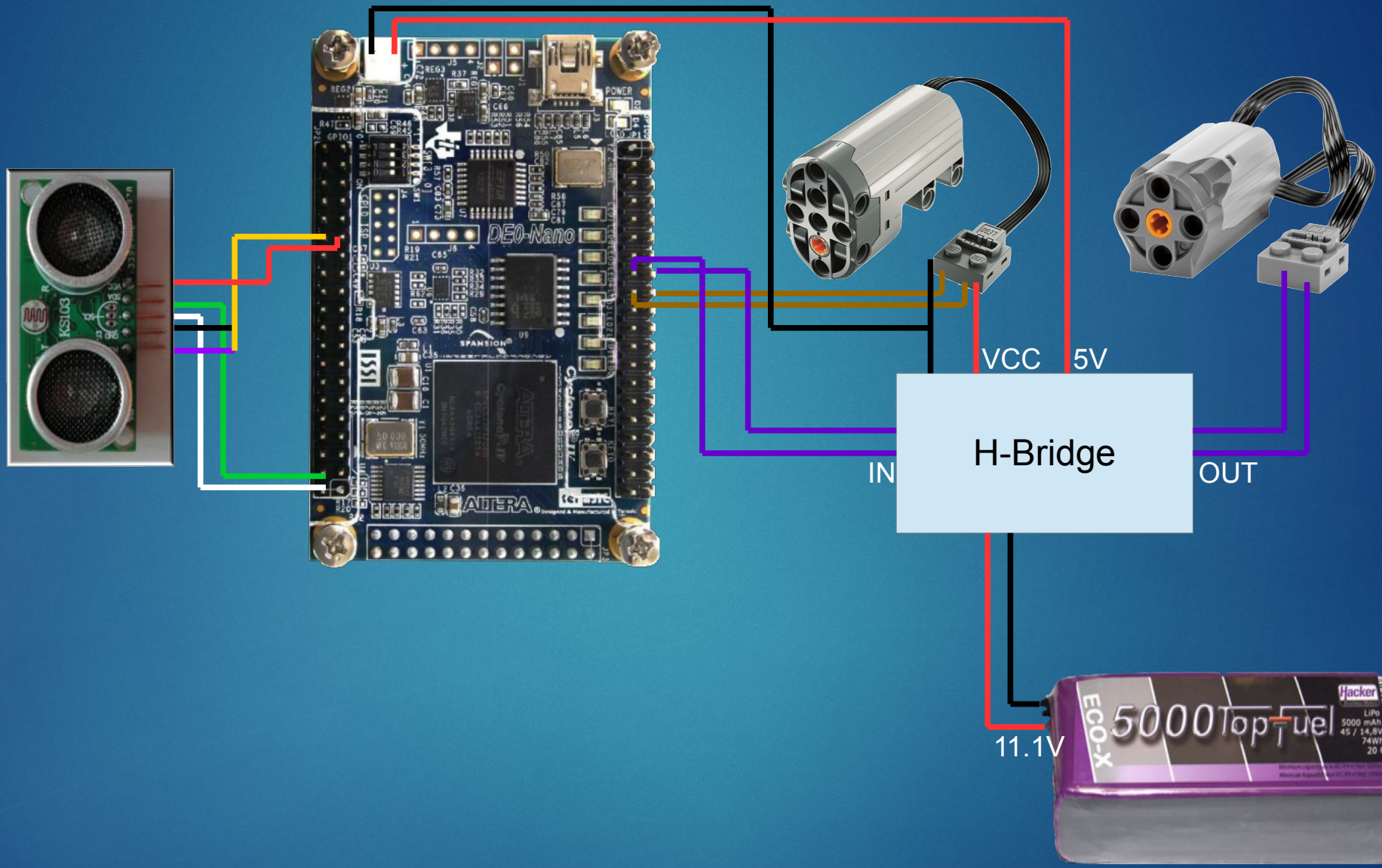
VCC 5V

H-Bridge

IN OUT

11.1V

Wiring



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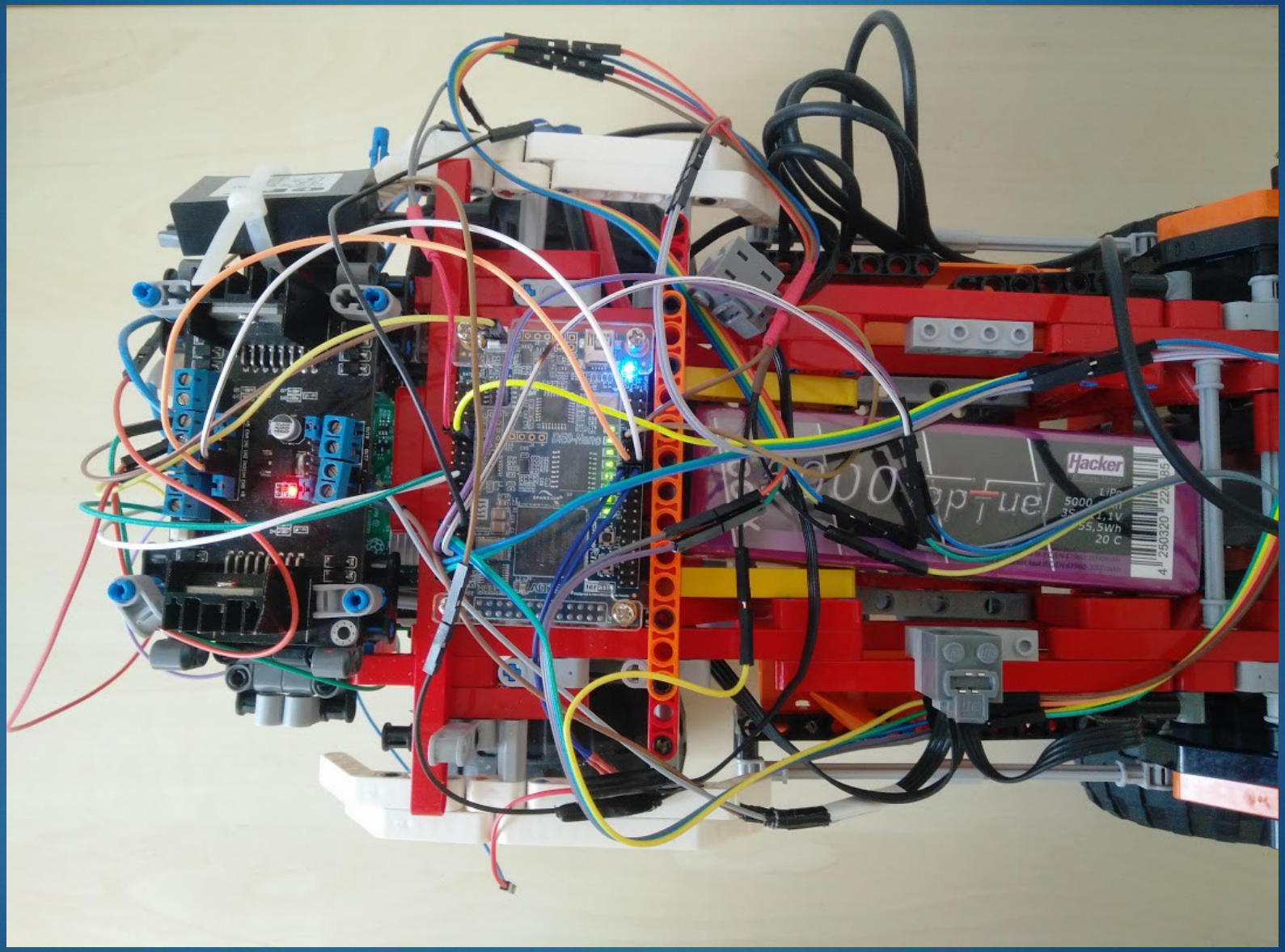

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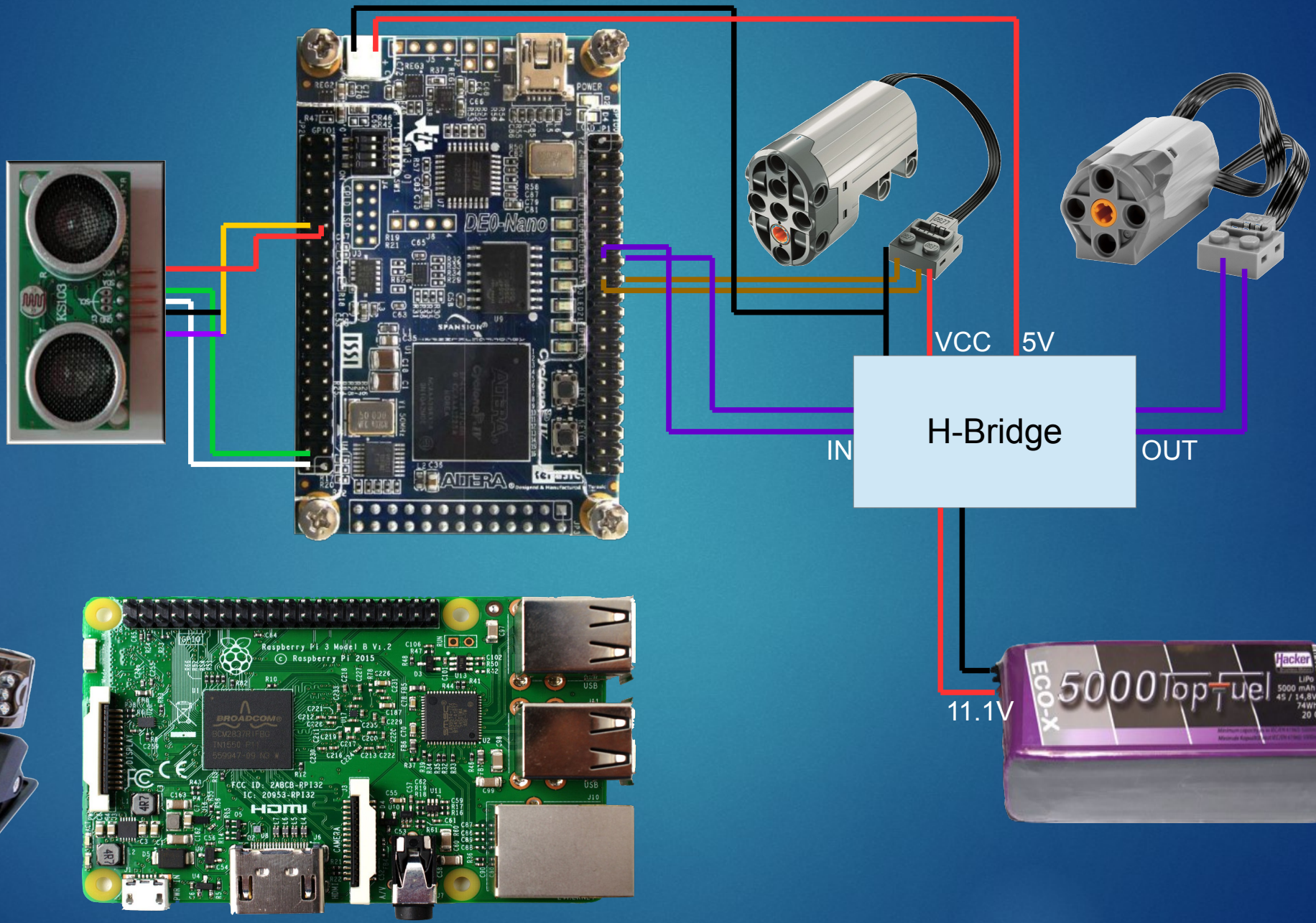
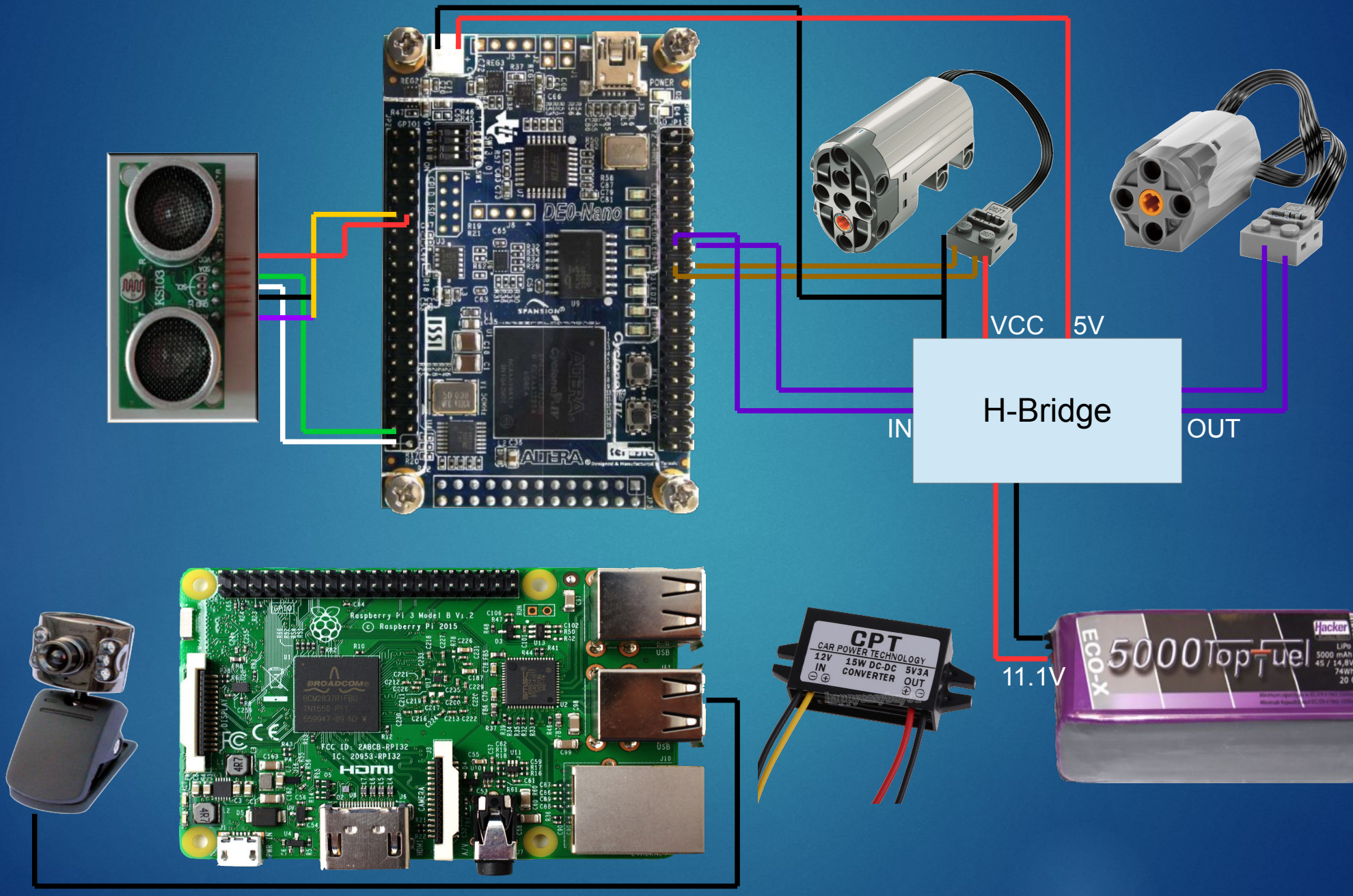
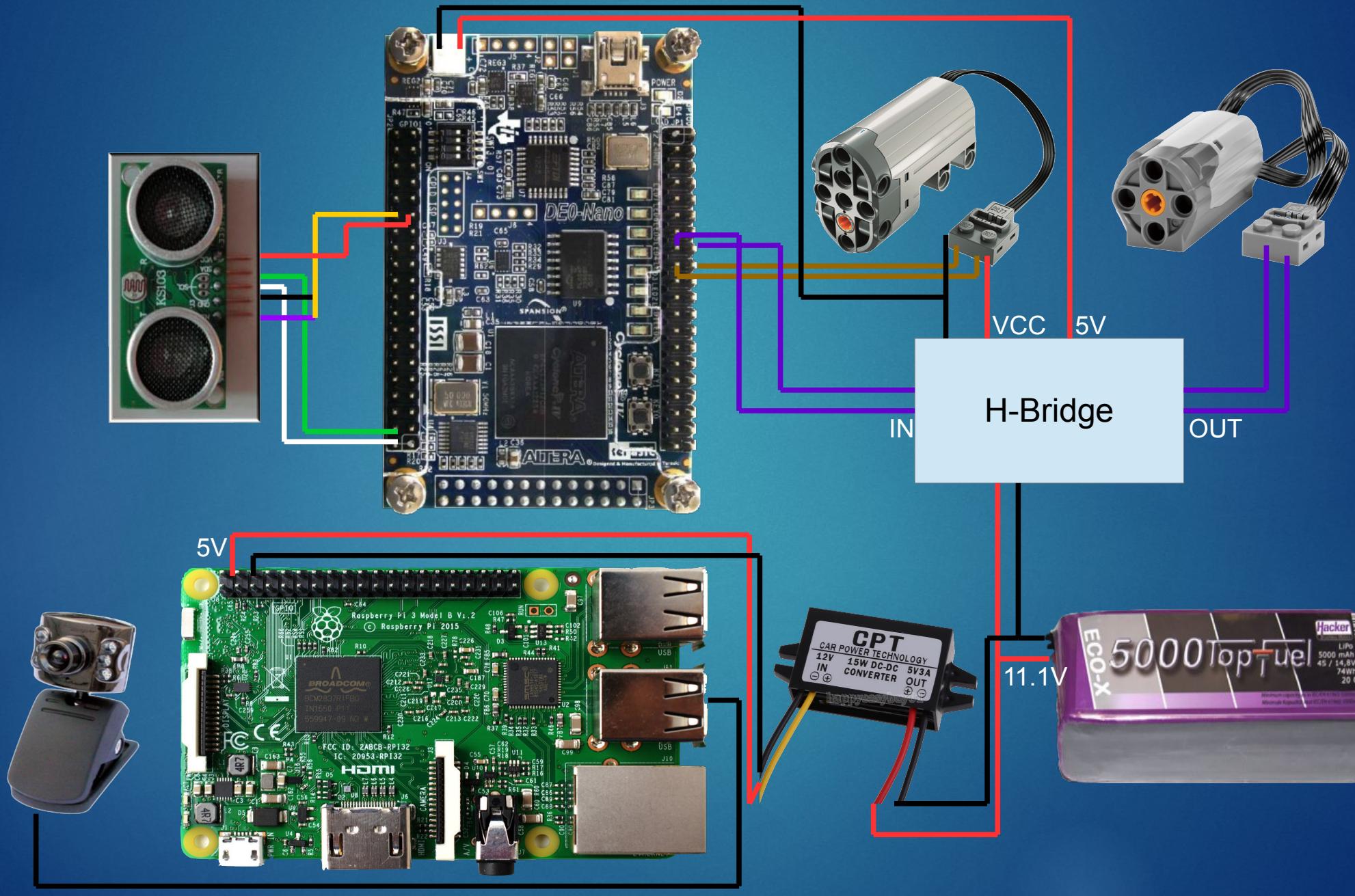


Wiring


DE0-Nano
VCC
5V
IN
H-Bridge
OUT
11.1V
CPT
CAR POWER TECHNOLOGY
12V IN
15W DC-DC CONVERTER
5V3A OUT
ECO-X
5000 TopFuel
Hacker

Wiring


DE0-Nano
VCC
5V
H-Bridge
IN
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5V
11.1V
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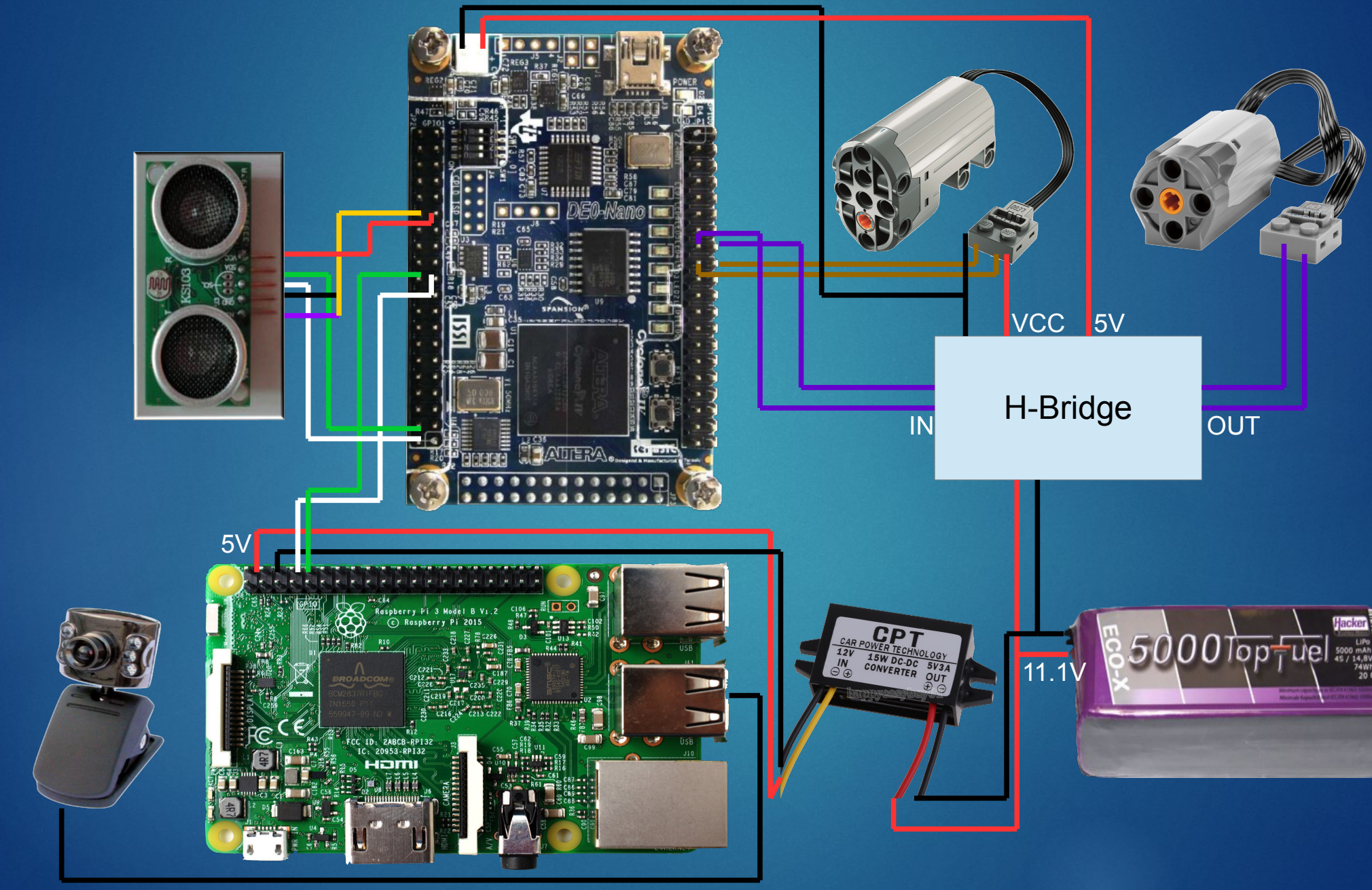
CAR POWER TECHNOLOGY
12V IN
15W DC-DC CONVERTER
5V3A OUT
ECO-X
5000
TopFuel

Wiring


DE0-Nano
VCC
5V
H-Bridge
IN
OUT
5V
11.1V
CPT
CAR POWER TECHNOLOGY
12V IN
15W DC-DC CONVERTER
5V3A OUT
ECO-X
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TopFuel

Wiring