

**AQUÍ VIAJA UN CENFOBOT**

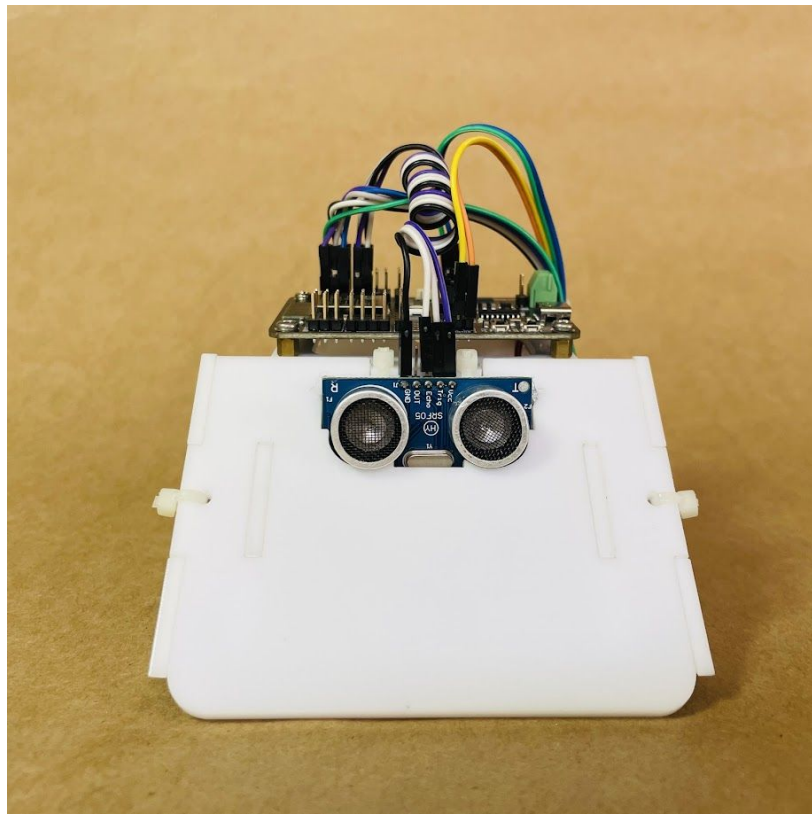
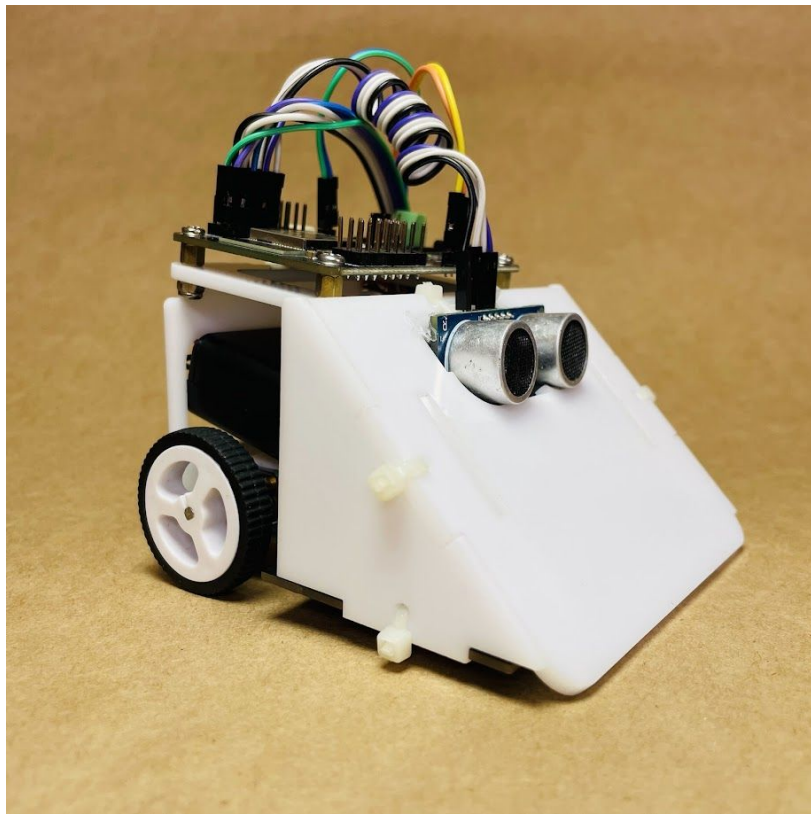
VER INSTRUCCIONES Y REGLAMENTO AQUÍ:

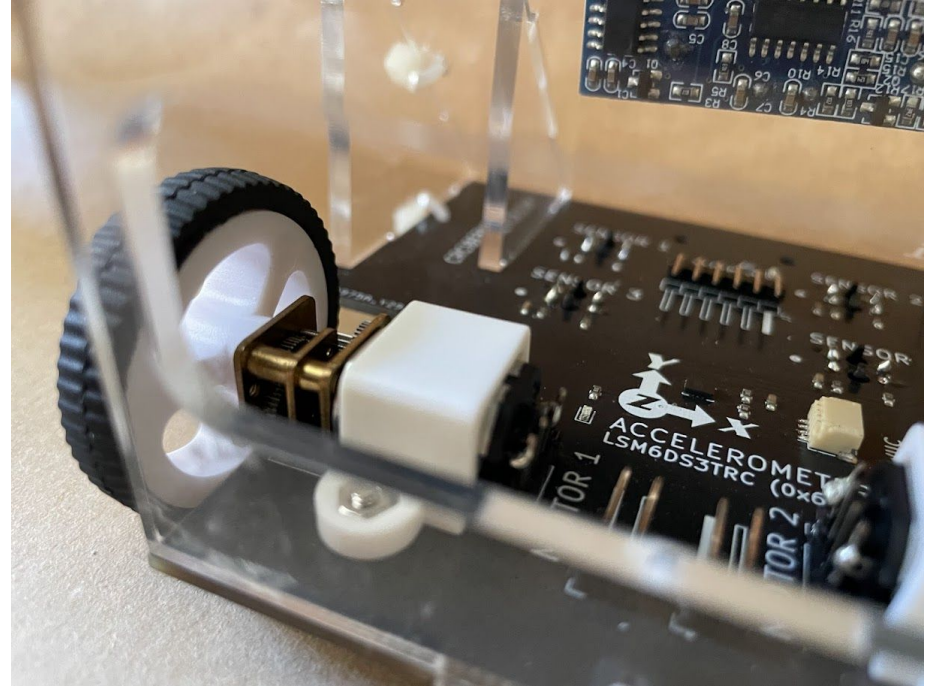
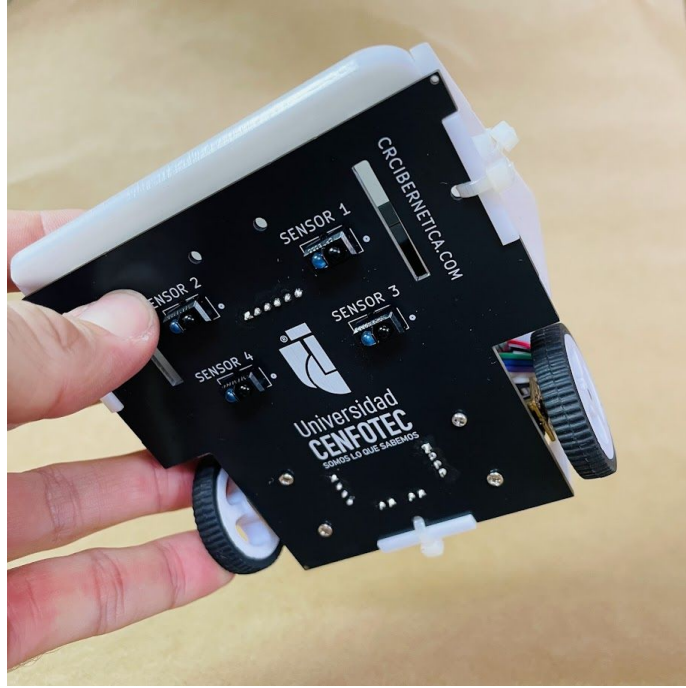


[ucenfotec.ac.cr/makerfaire](http://ucenfotec.ac.cr/makerfaire)



***CRCibernetica.com***

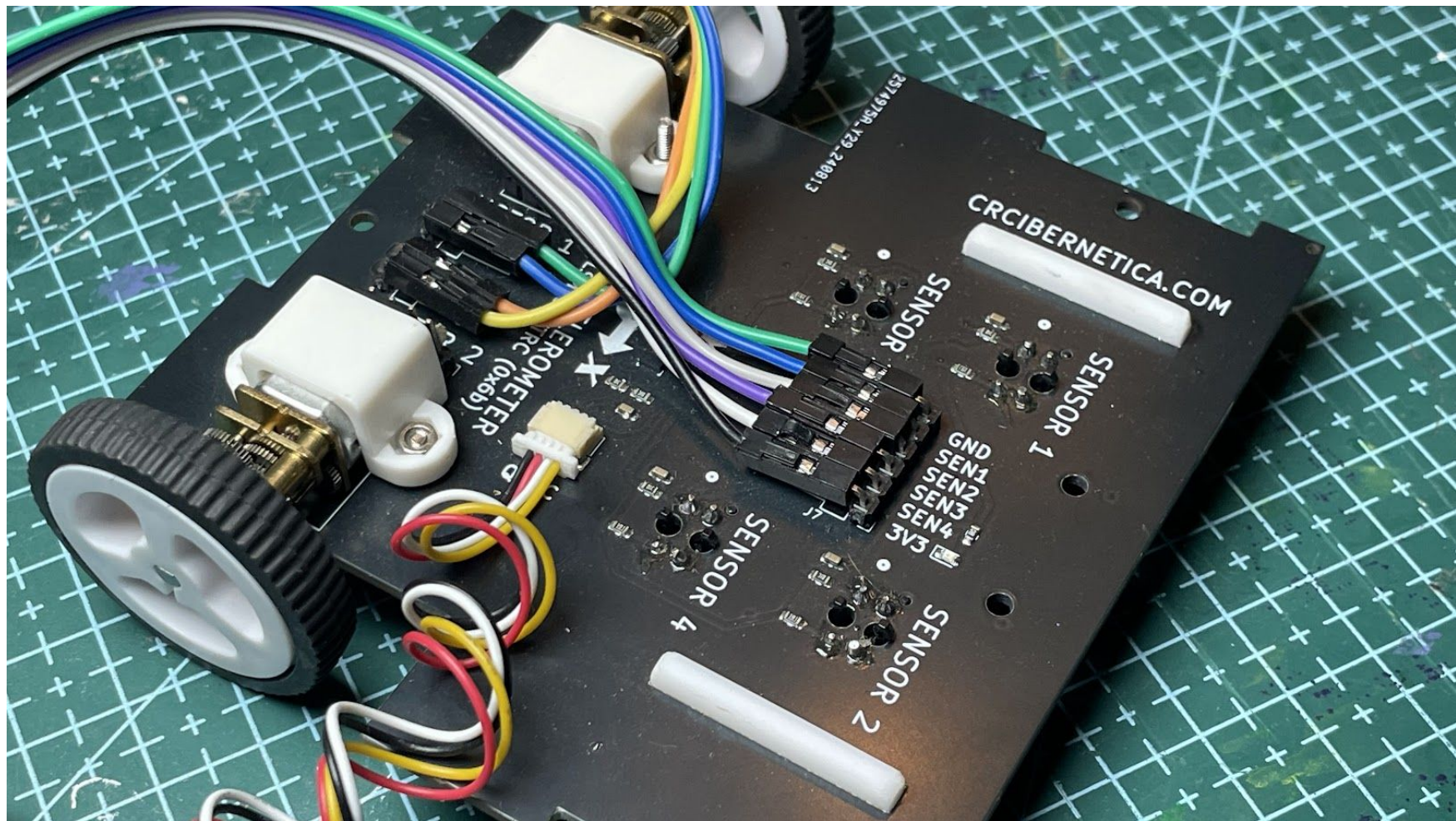




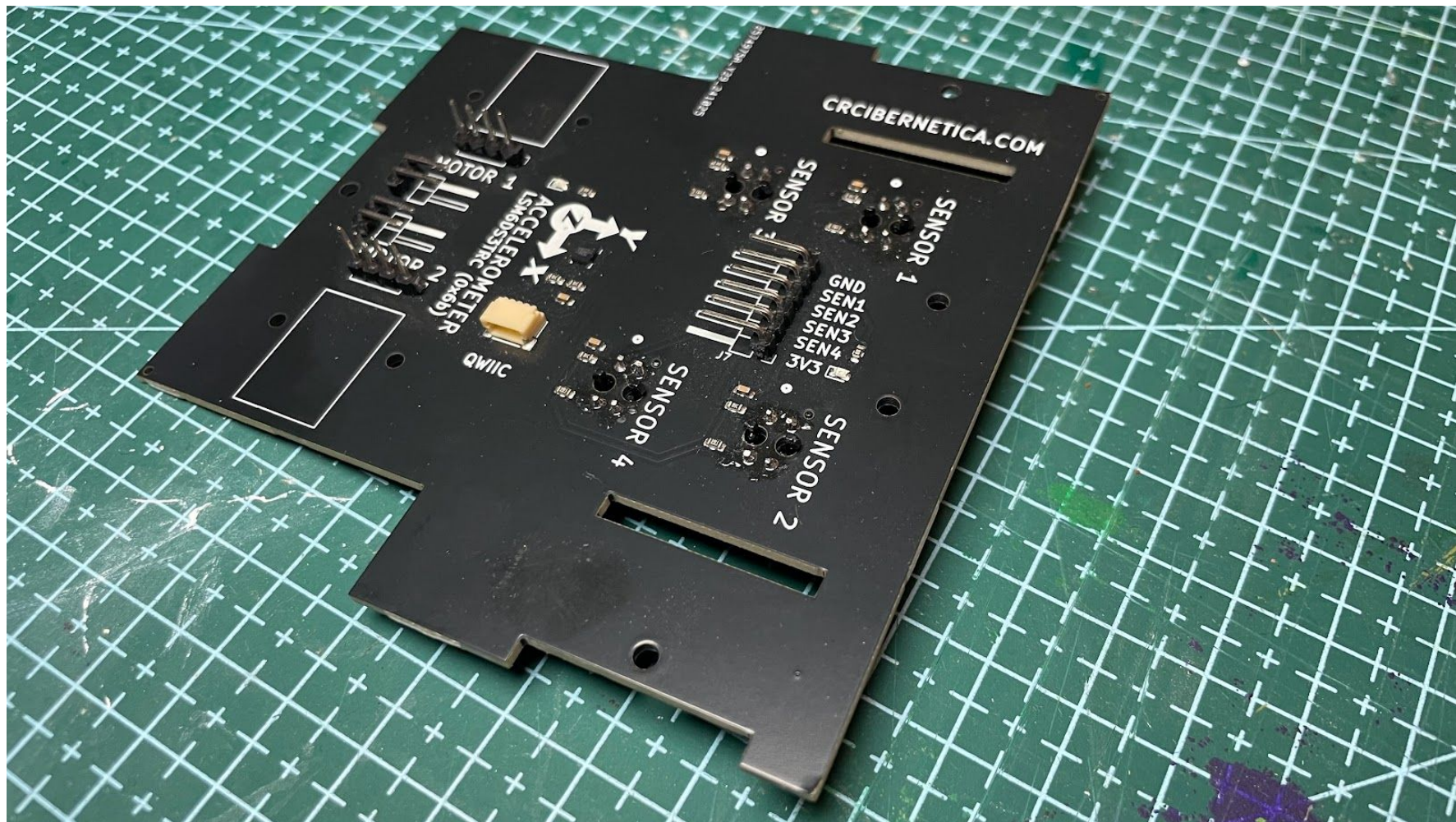
# Placa Sumobot

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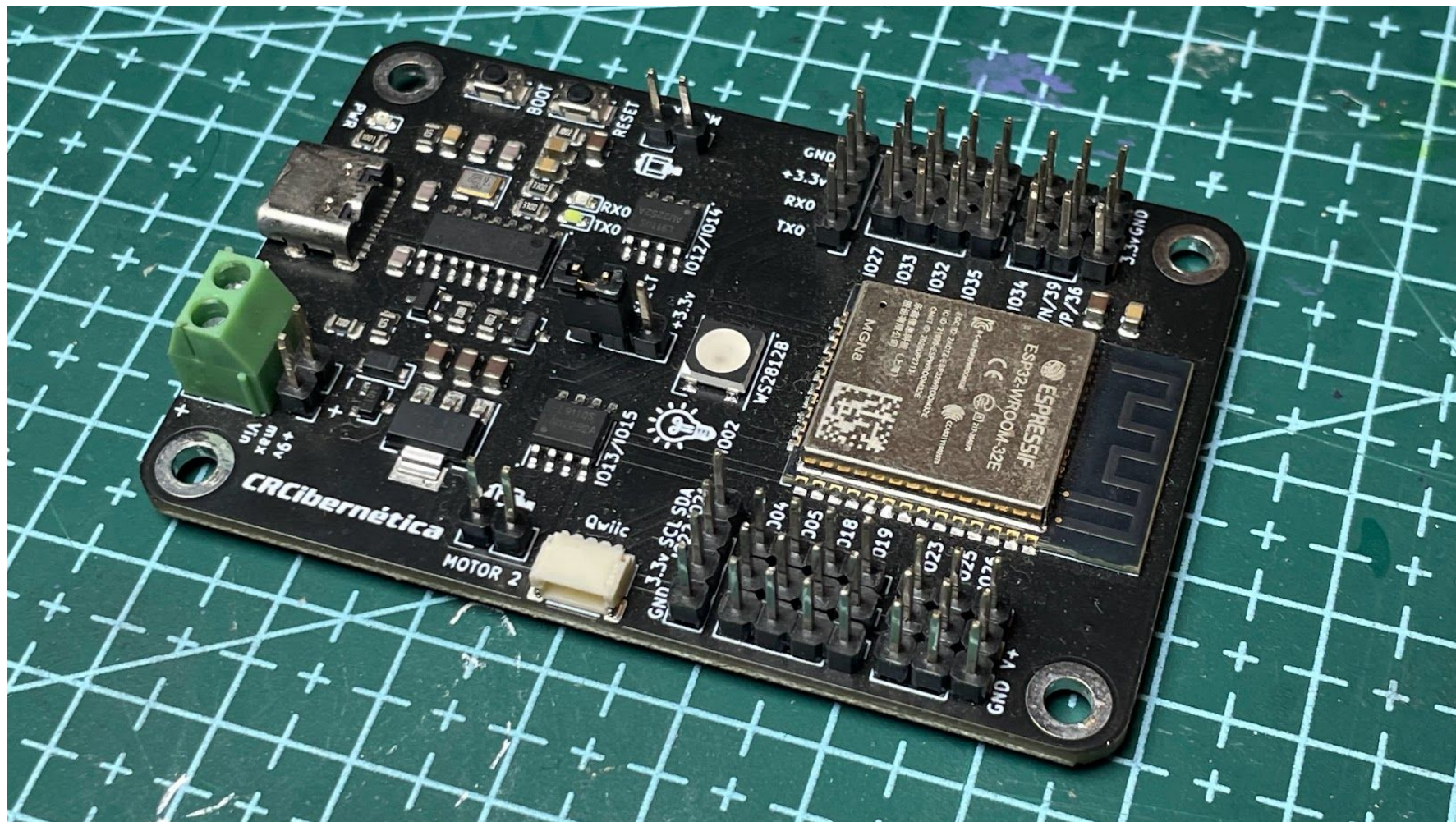




# IdeaBoard

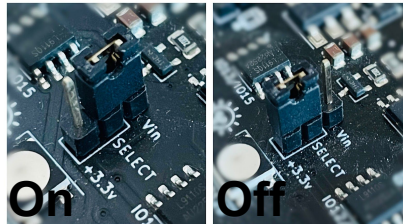
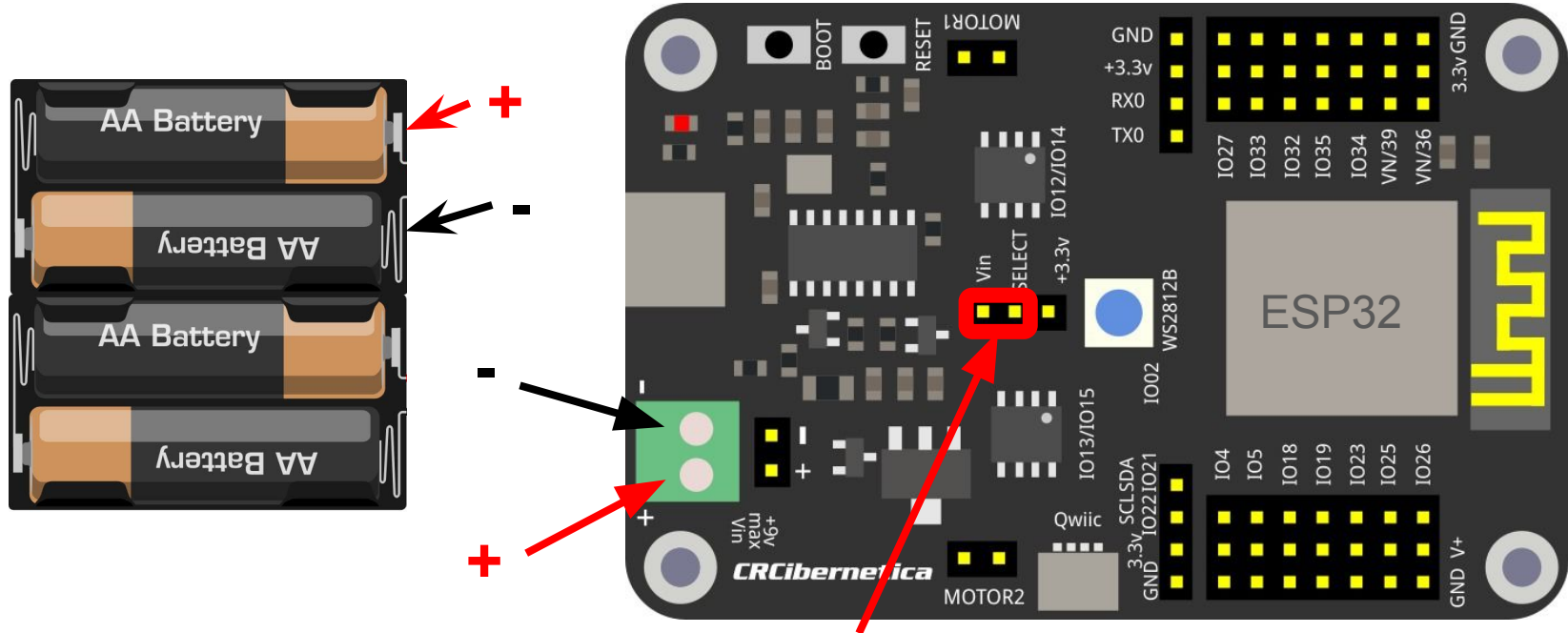
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# Energía para el IdeaBoard



Conectar para dar energía a  
Motores y Ultrasónico



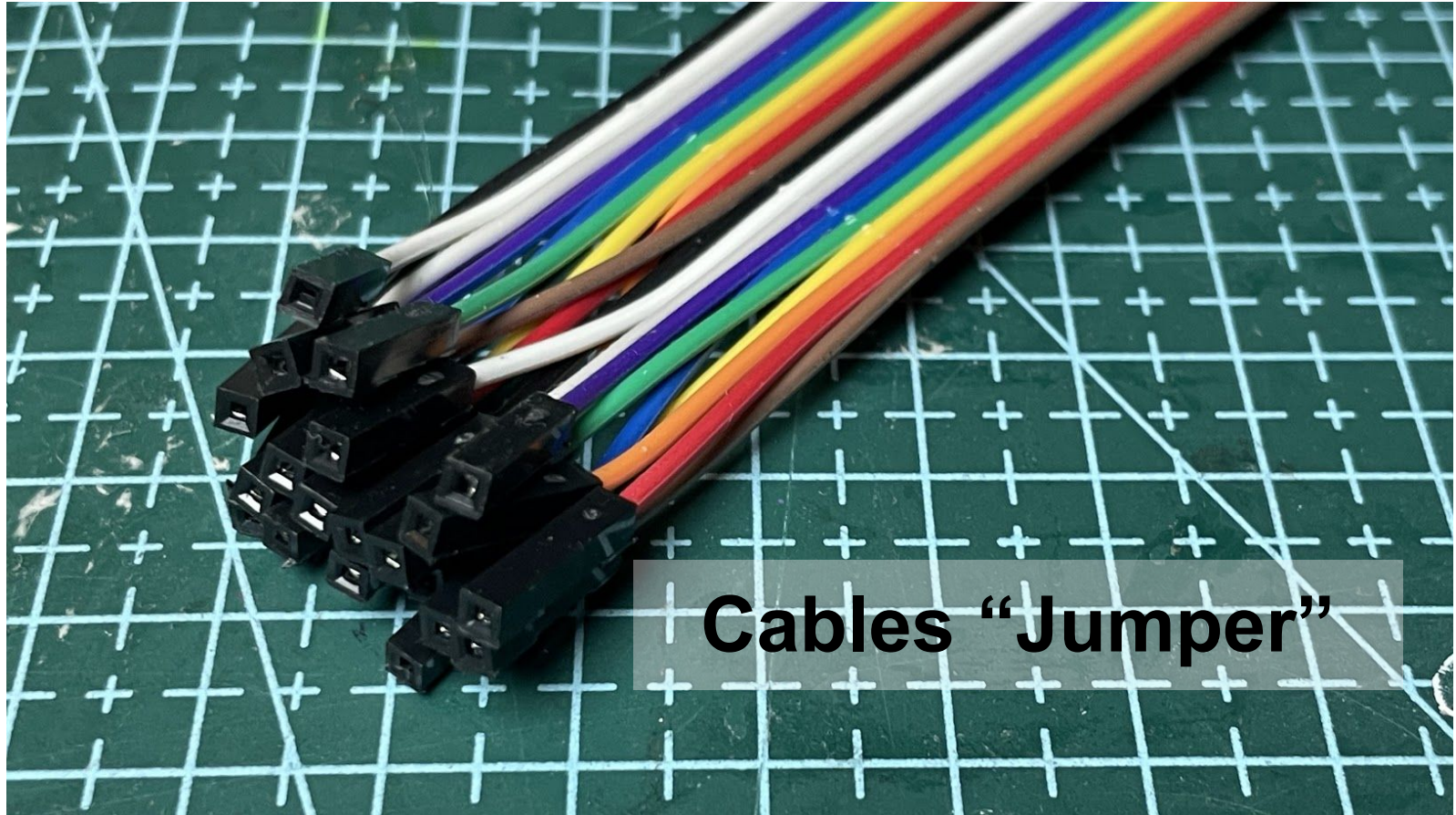
# **Conexiones**

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# **Sensores Infrarrojos**

# Sensores infrarrojos

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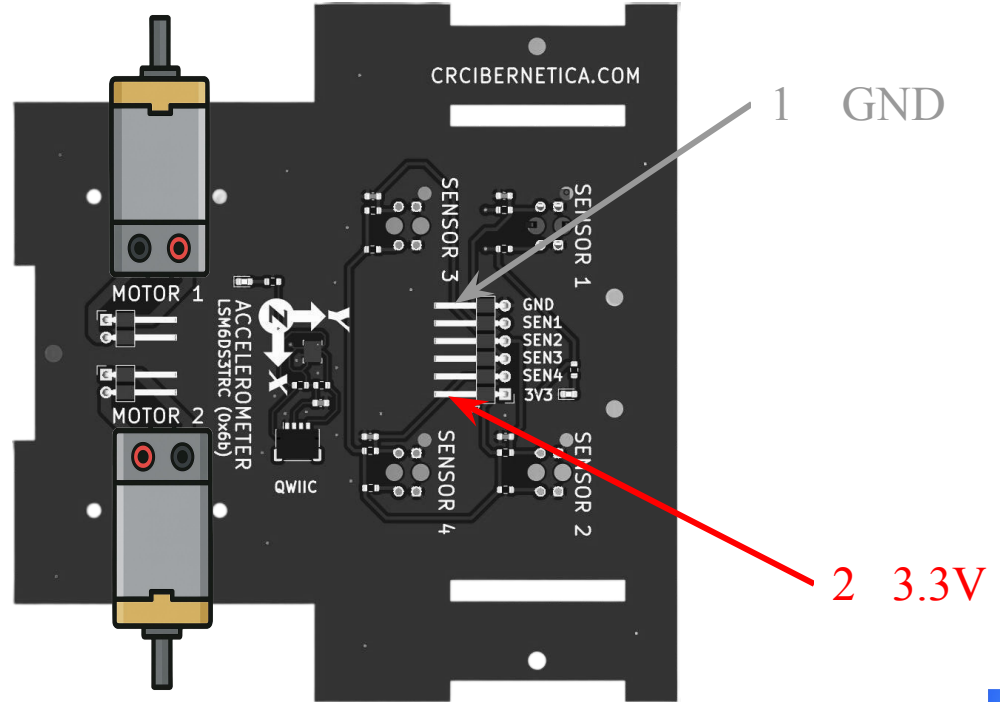
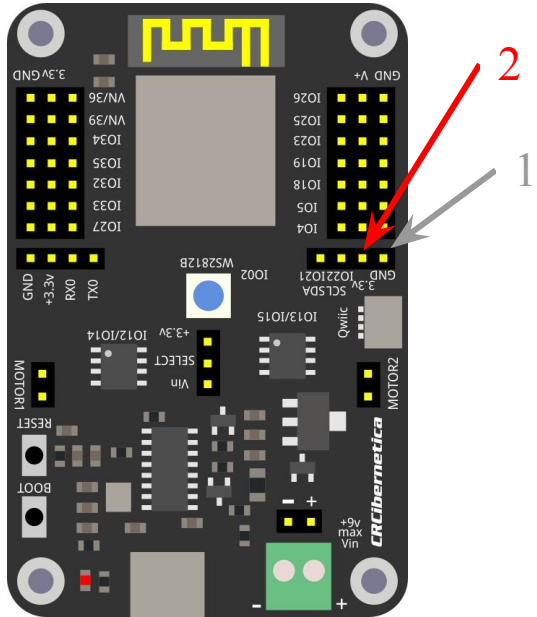


**Cables “Jumper”**

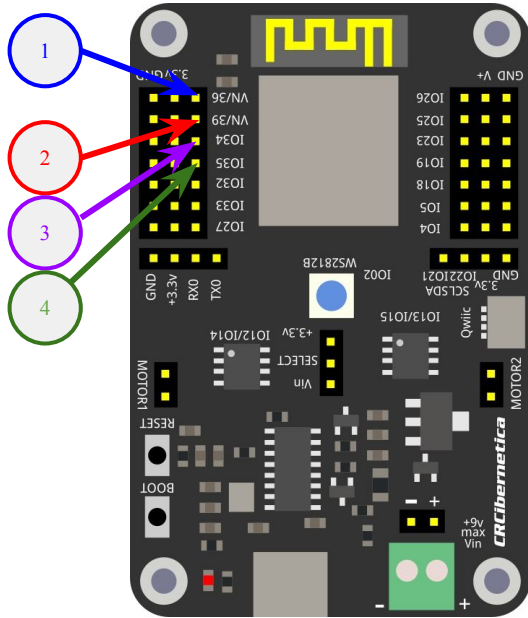




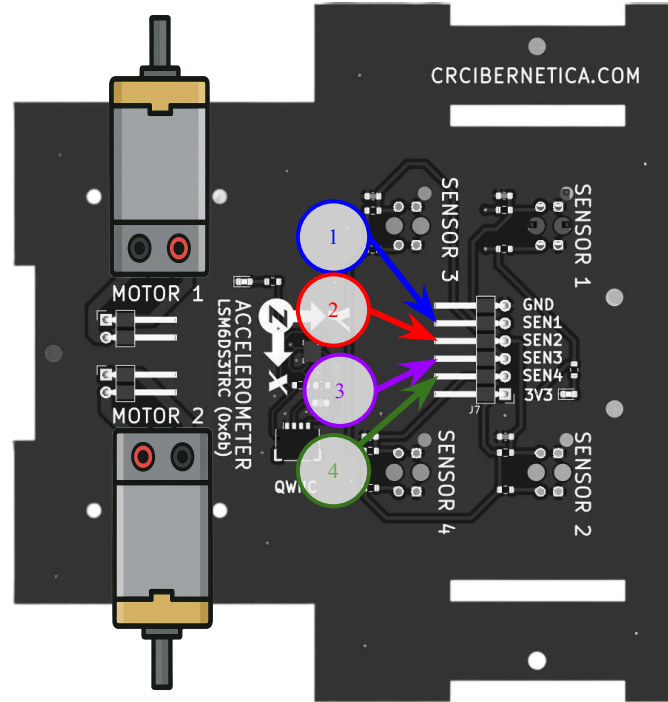
# Energía para los sensores infrarrojos



# Sensores infrarrojos



```
sen1 = ib.AnalogIn(board.IO36)  
sen2 = ib.AnalogIn(board.IO39)  
sen3 = ib.AnalogIn(board.IO34)  
sen4 = ib.AnalogIn(board.IO35)
```

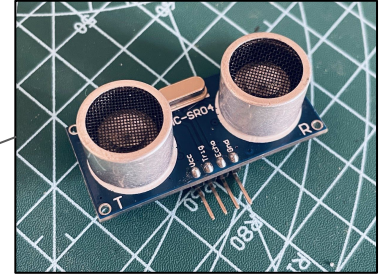
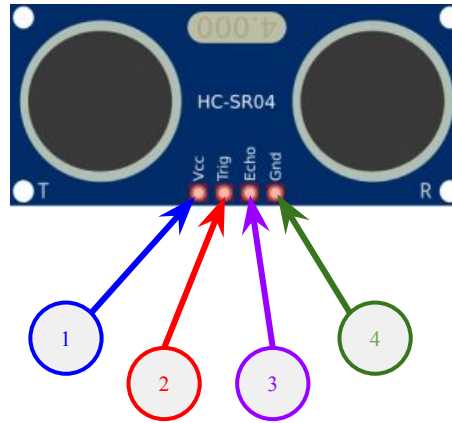
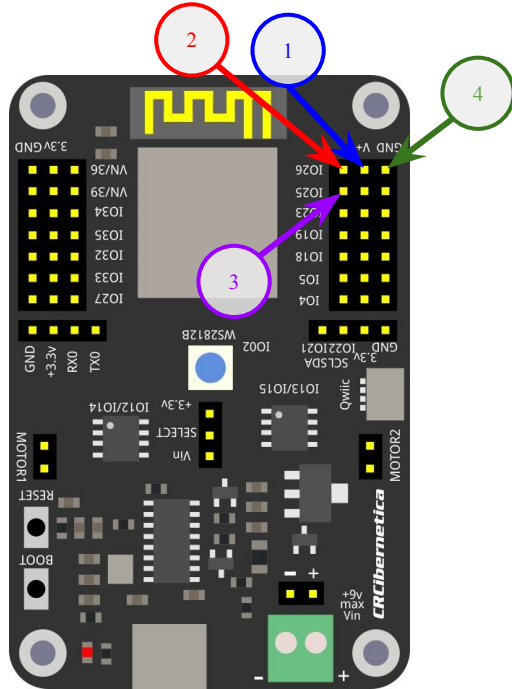


# Conexión Ultrasónico

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# Sensor Ultrasónico HC-SR04



TRIG pin IO25  
ECHO pin IO26



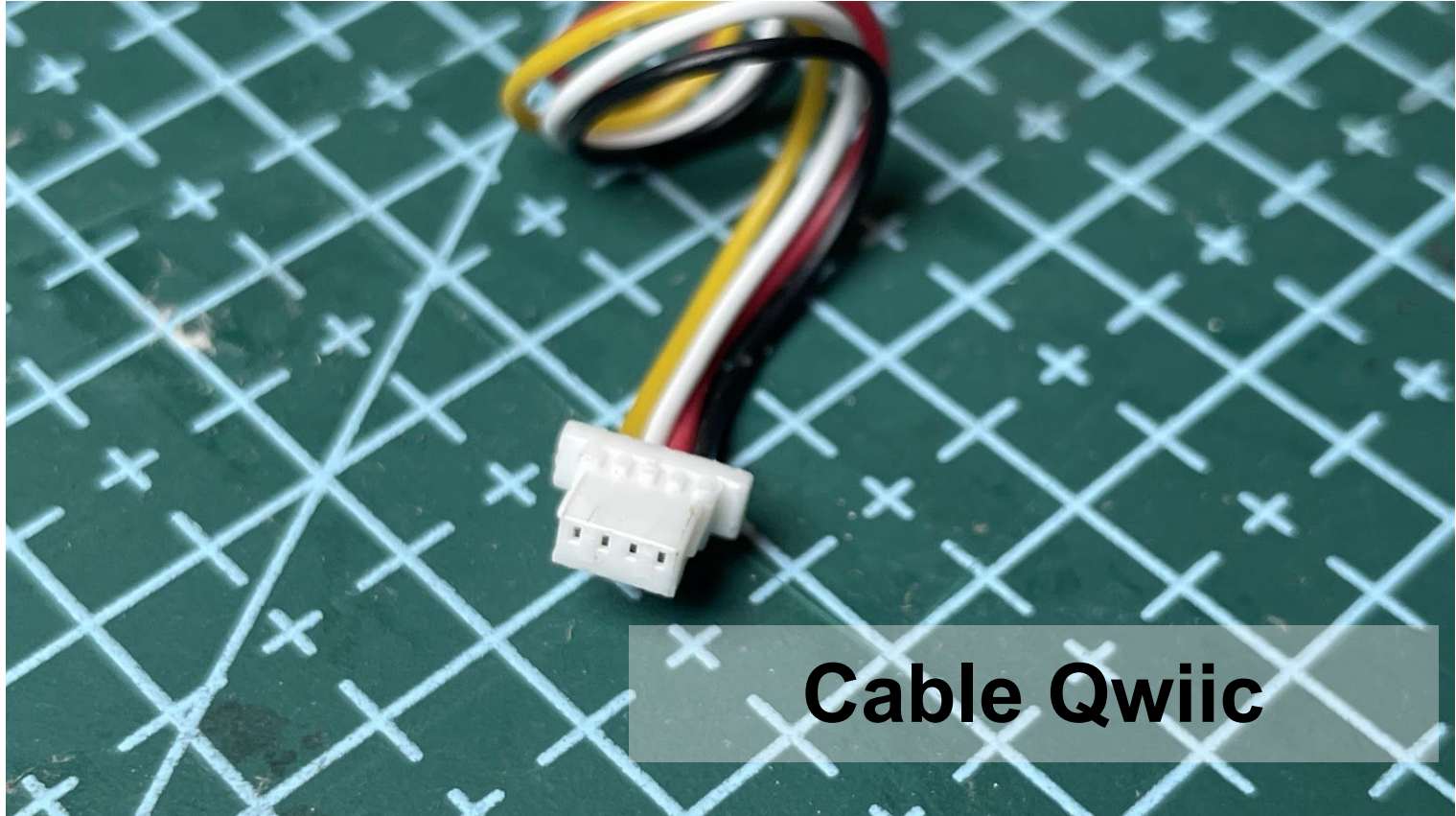
**Conexión**

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**Acelerómetro-Giroscopio**

# Acelerómetro y Giroscopio (Conexión QWIIC)

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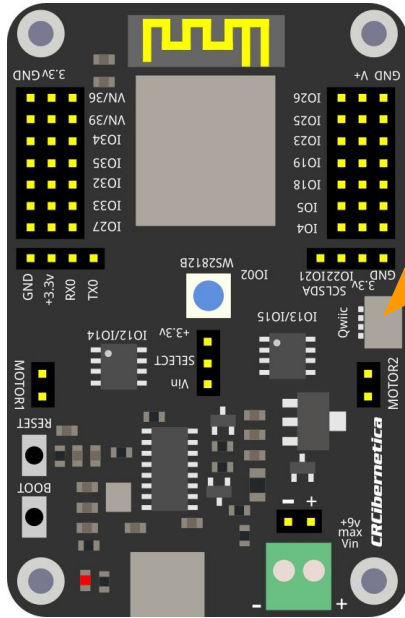


**Cable Qwiic**

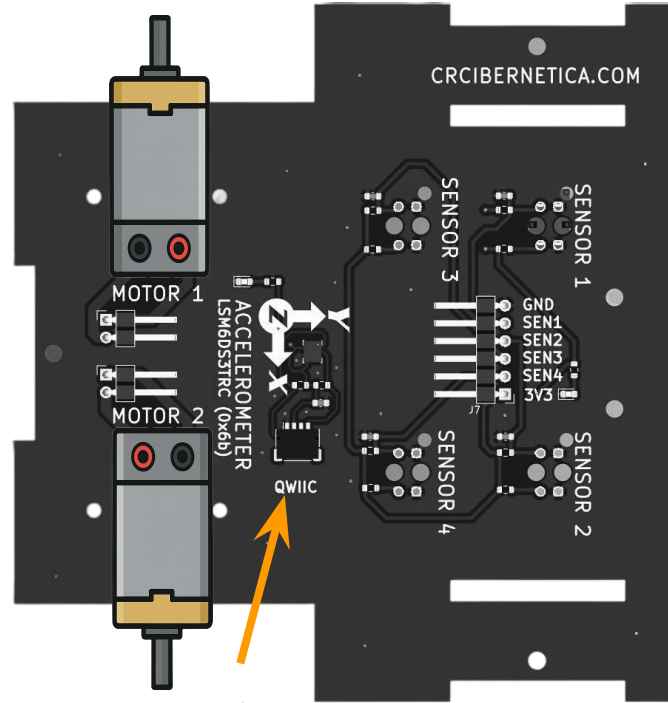




# Acelerómetro y Giroscopio (Conexión Qwiic)



1 Qwiic



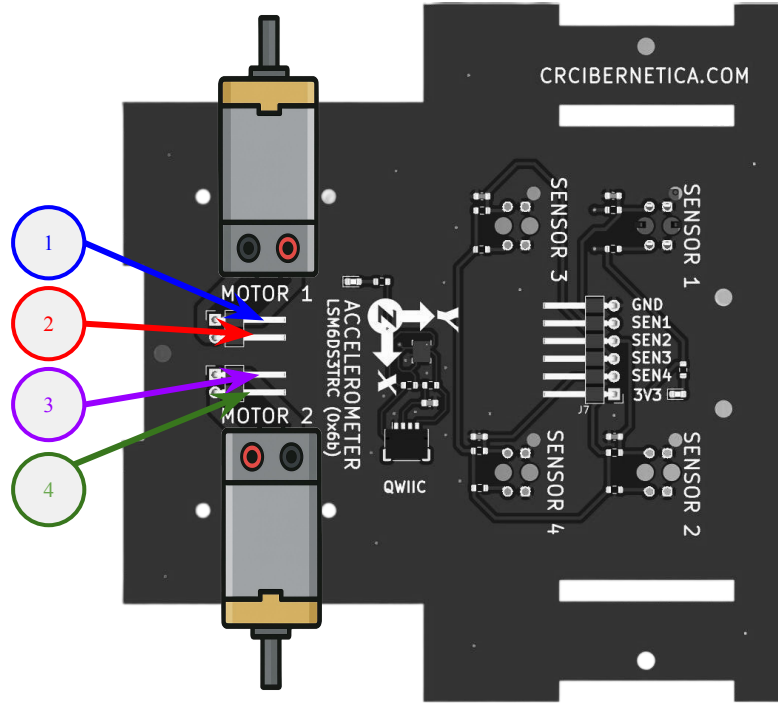
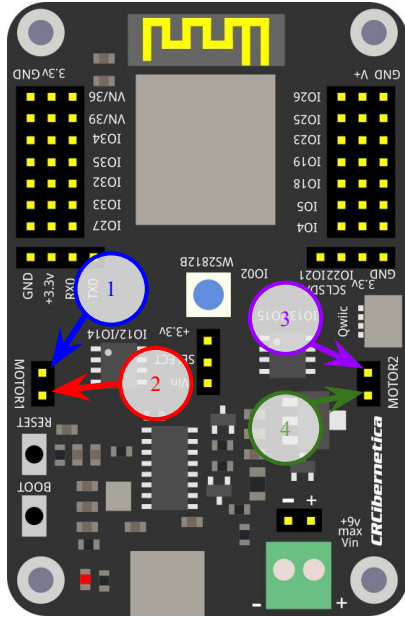
1 Qwiic



# Conexión Motores

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# Motores







<https://github.com/Universidad-Cenfotec/Sumobot/>