Práctica 4: ejercicio5

Código:

```
int chequeo;
int i;
int uart[9];
const int HEADER=0x59;


void setup() {
  // put your setup code here, to run once:
  Serial.begin(9600);
  Serial1.begin(115200);


}


void loop() {
  // put your main code here, to run repeatedly:


  //Serial.println ("empiezo");
  Serial.println (" ");
  if (Serial1.available()) {
    if (Serial1.read()==HEADER) {
      uart[0]=HEADER;
      if (Serial1.read()==HEADER) {
        uart[1]=HEADER;
        for (i=2;i<9;i++) {
          uart[i]=Serial1.read();
        }


        chequeo=uart[0]+uart[1]+uart[2]+uart[3]+uart[4]+uart[5]+uart[6]+uart[7];
```

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```
      if(uart[8]==(chequeo&0xff)) {
        dist=uart[2]+uart[3]*256;//calculate distance value
        strength=uart[4]+uart[5]*256;//calculate signal strength value
        Serial.print("dist = ");
        Serial.print(dist);//output measure distance value of LiDAR
        Serial.print('\t');
        Serial.print("strength = ");
        Serial.print(strength);//output signal strength value
        //Serial.println("***************");
      }
    }
  }
 }

}
```

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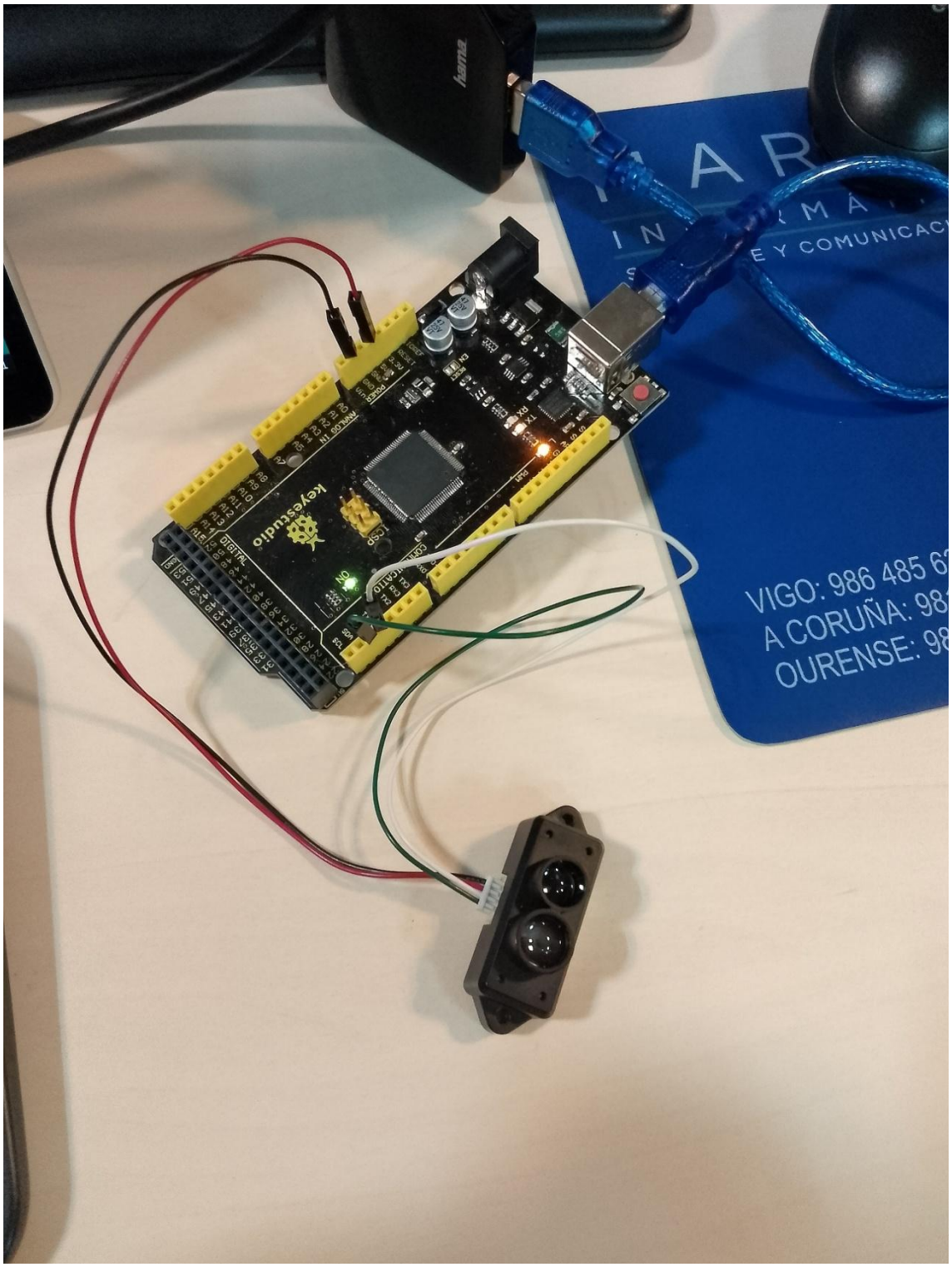
-Imágenes de la práctica:



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-Enlaces a GitHub con los códigos, videos e imágenes del montaje:

https://github.com/mans199876/proxectos1_practica4.git

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