I2C OLED Display

- 0.96 Inch 4Pin Blue Yellow IIC I2C OLED Display
  - Es lo mismo, solo que parte la pantalla en dos colores
  - Usa librería SSD1306 → https://github.com/adafruit/Adafruit_SSD1306/
  - Driver chip → https://cdn-shop.adafruit.com/datasheets/SSD1306.pdf
- https://www.instructables.com/id/Fun-With-OLED-Display-and-Arduino/
- https://learn.sparkfun.com/tutorials/i2c
- http://www.i2c-bus.org/
- Processor nxp mlk16z128vlh4 → https://www.nxp.com/part/MKL16Z128VLH4
- Datasheet nxp mlk16z128vlh4 → https://www.nxp.com/docs/en/data-sheet/KL16P64M48SF5.pdf
- Pinout página 45 datasheet

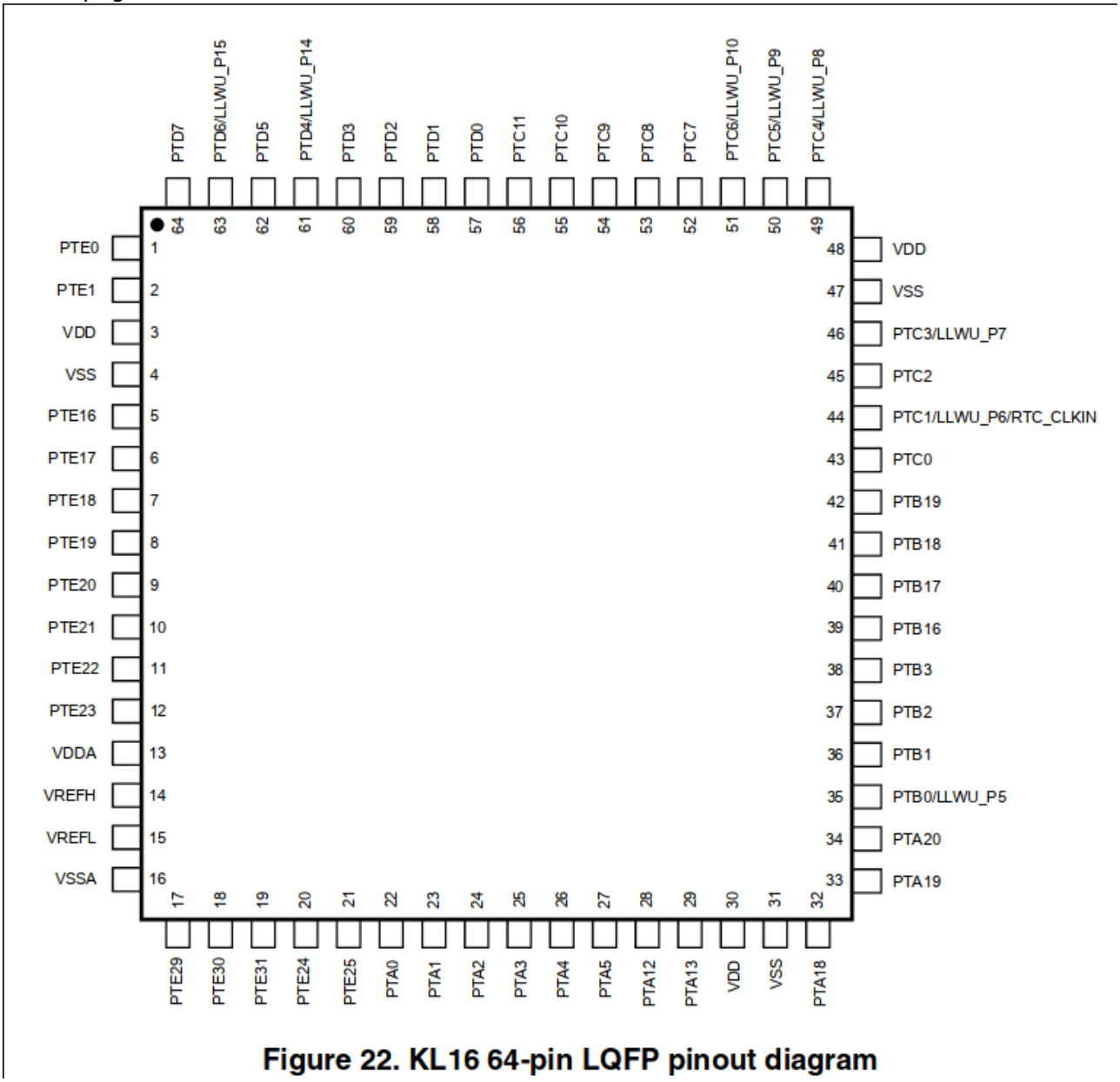


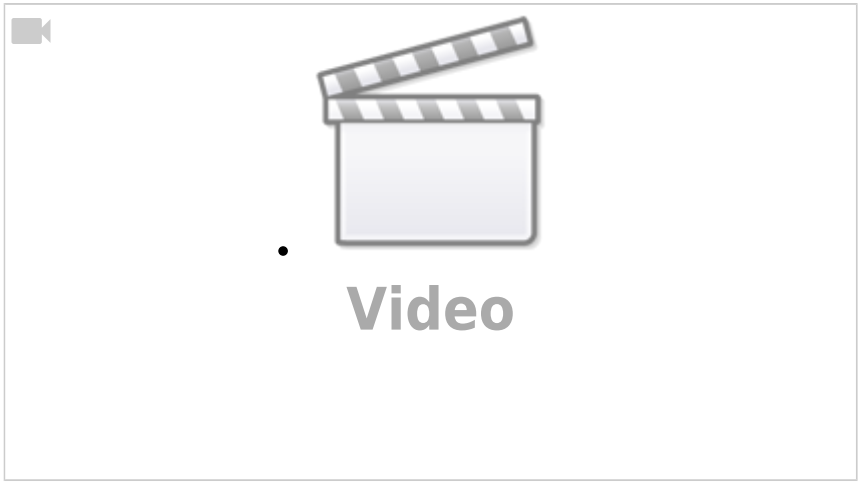
Figure 22. KL16 64-pin LQFP pinout diagram

- Pines opcionados

7	5	5	PTE18	ADC0_DP2/ ADC0_SE2	ADC0_DP2/ ADC0_SE2	PTE18	SPI0_MOSI		I2C0_SDA	SPI0_MISO		
8	6	6	PTE19	ADC0_DM2/ ADC0_SE6a	ADC0_DM2/ ADC0_SE6a	PTE19	SPI0_MISO		I2C0_SCL	SPI0_MOSI		

- https://blog.benjojo.co.uk/post/userspace-usb-drivers

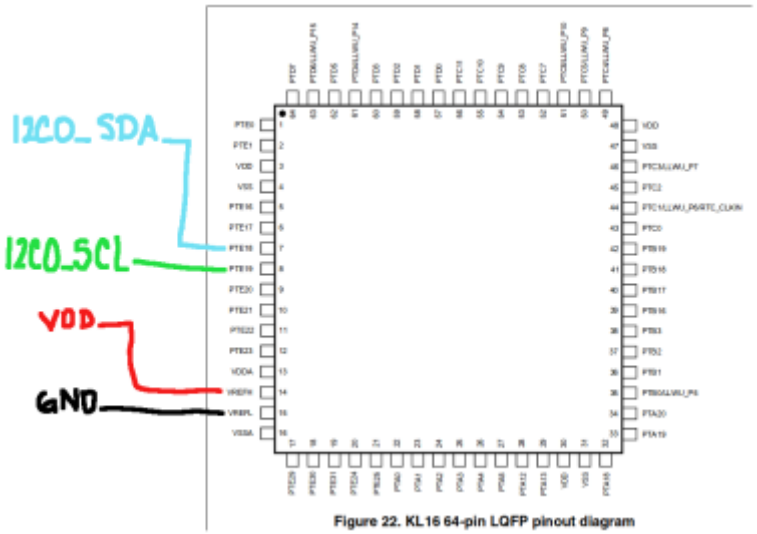
- https://www.nxp.com/docs/en/supporting-information/Inter-Integrated-Circuit-Training.pdf



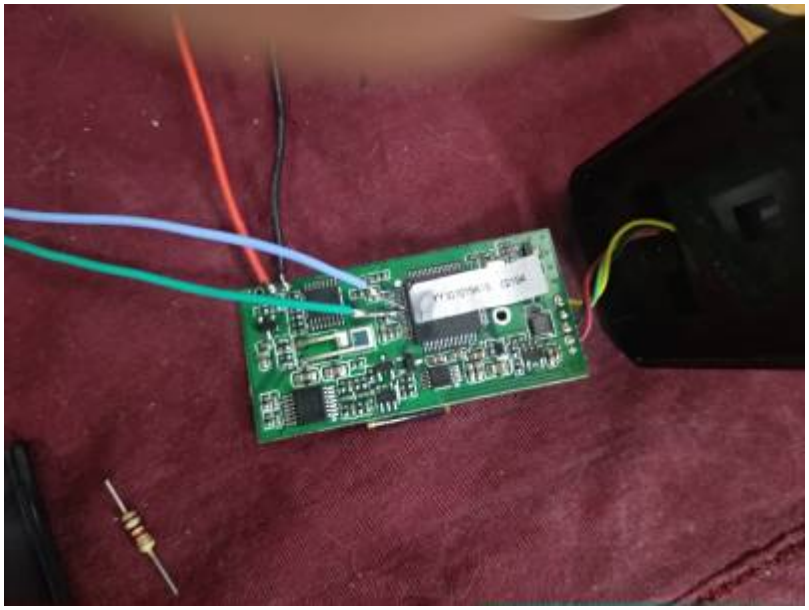
Noticias

- https://www.elcolombiano.com/antioquia/kits-que-entregara-medellin-a-pacientes-con-covid-19-y-a-poblacion-en-riesgo-GB13031667
- https://www.elcolombiano.com/antioquia/pulso-a-la-estrategia-con-uso-de-oximetros-AA13465317

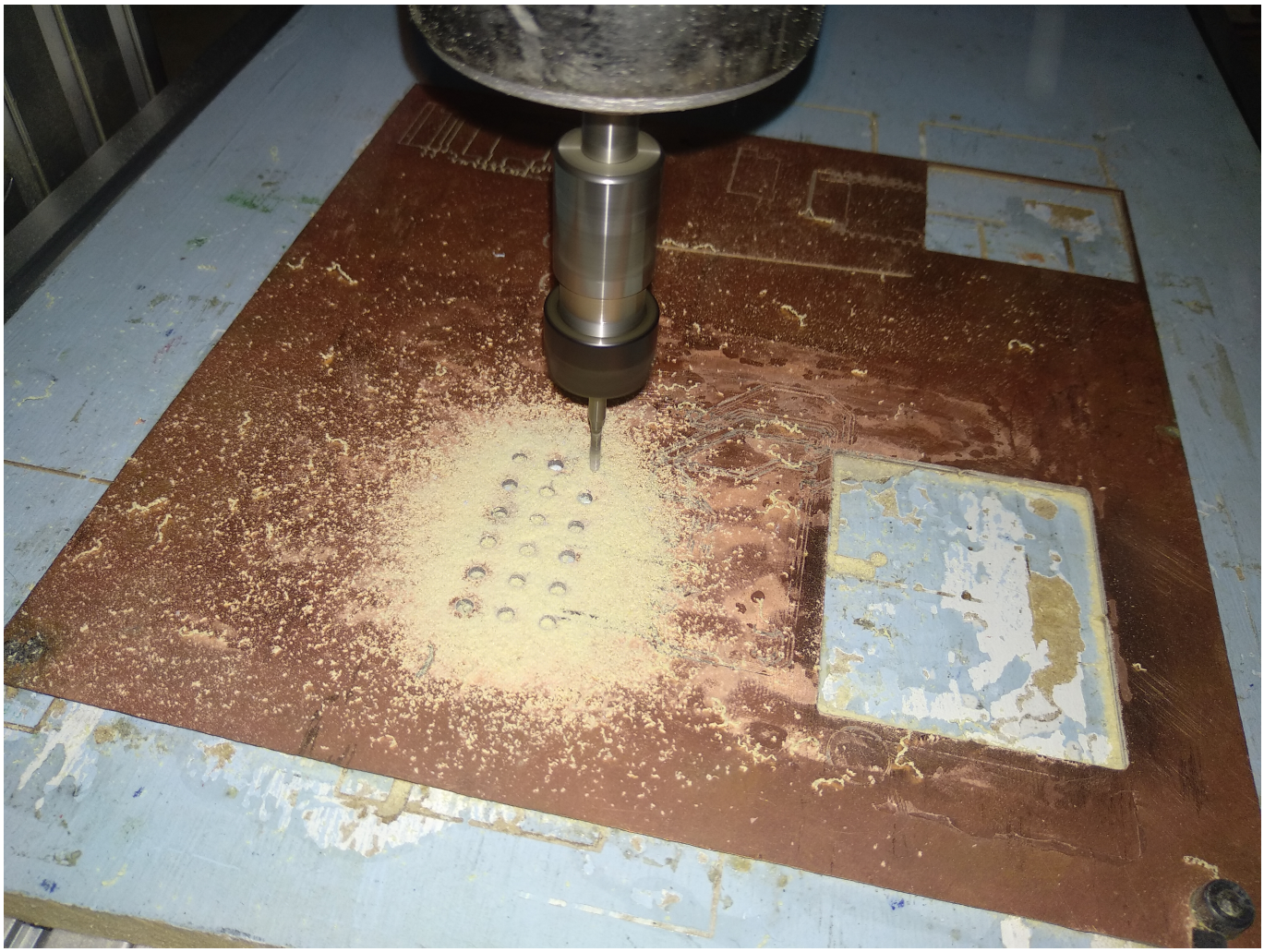
1er intento mapear pines del I2C

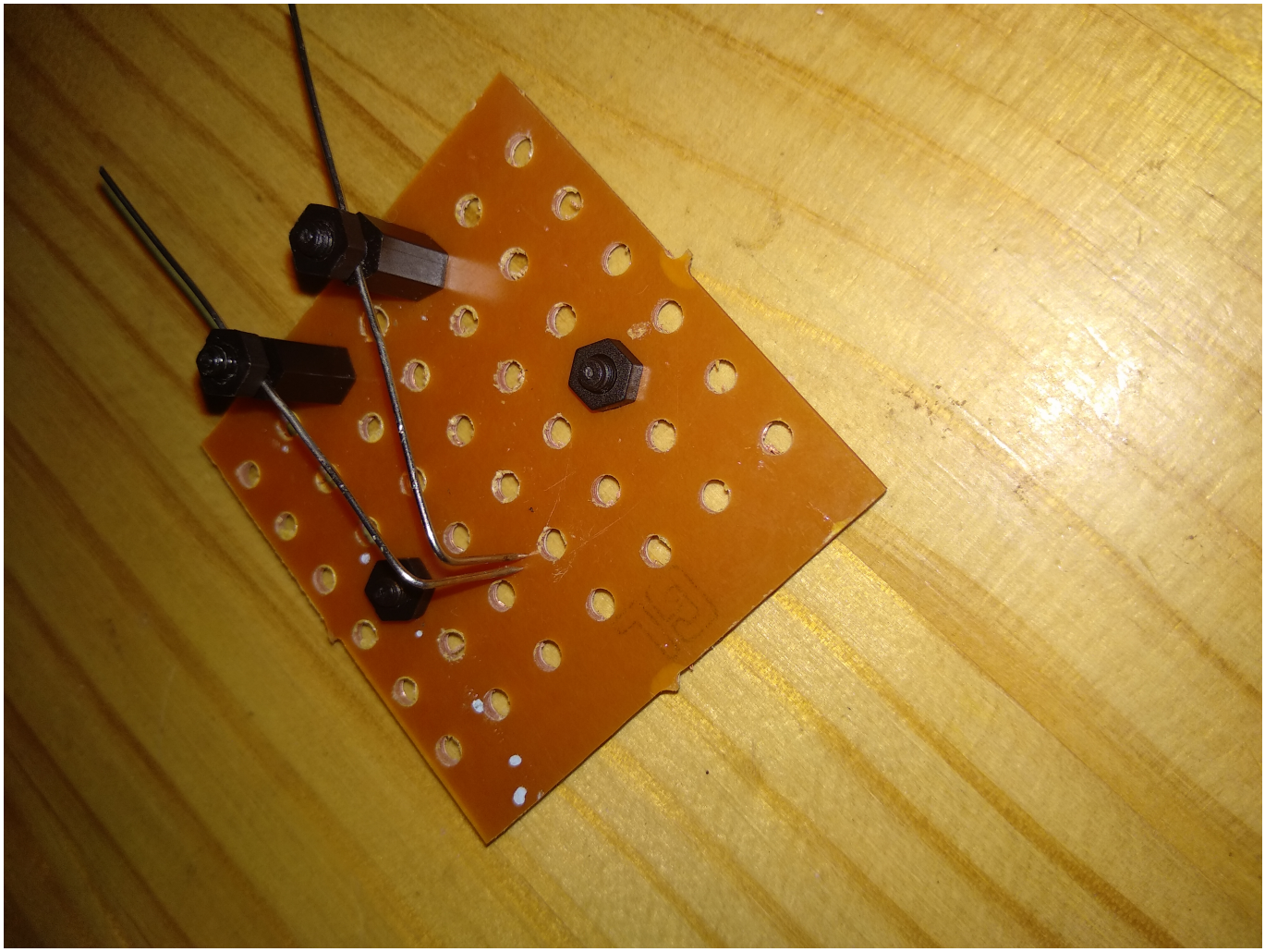


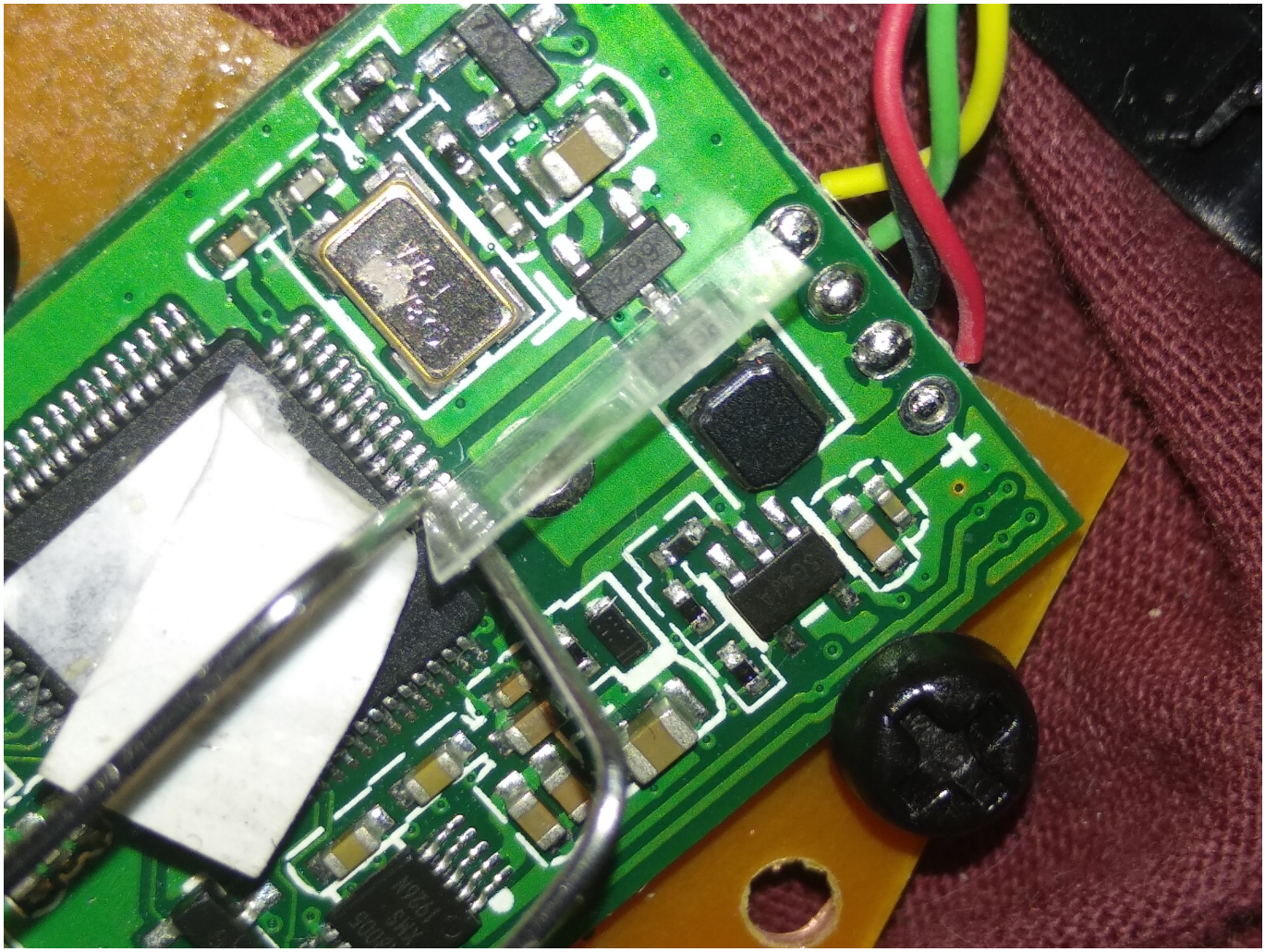
Los puntos de alimentación se pueden reemplazar como se ven en la imagen

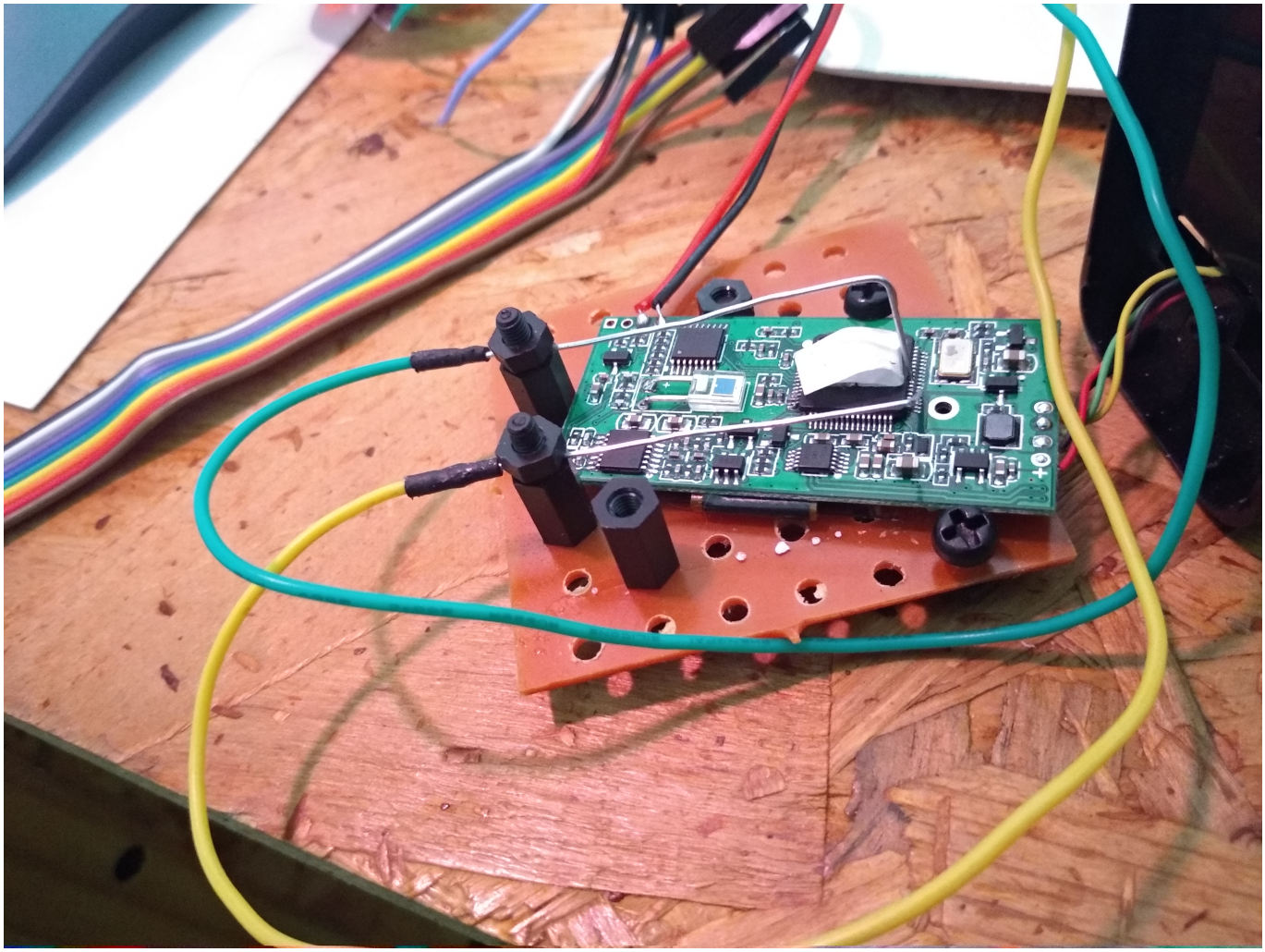


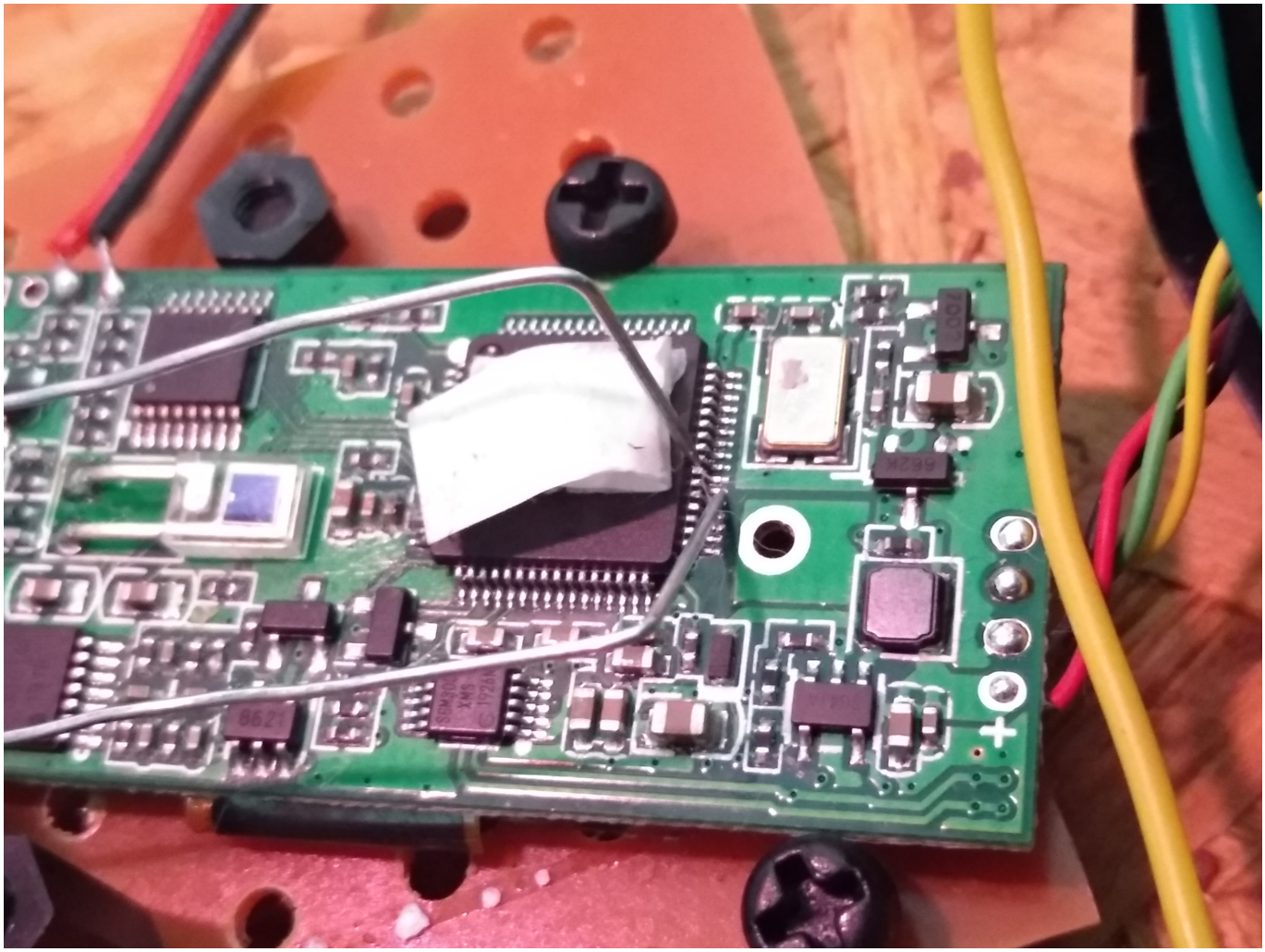
Este tuit https://twitter.com/MrChuxMan/status/1288054419985248257 nos sirvió de referente para crear una herramienta que nos permita tomar las señales de pines muy pequeños, como los de microcontroladores.

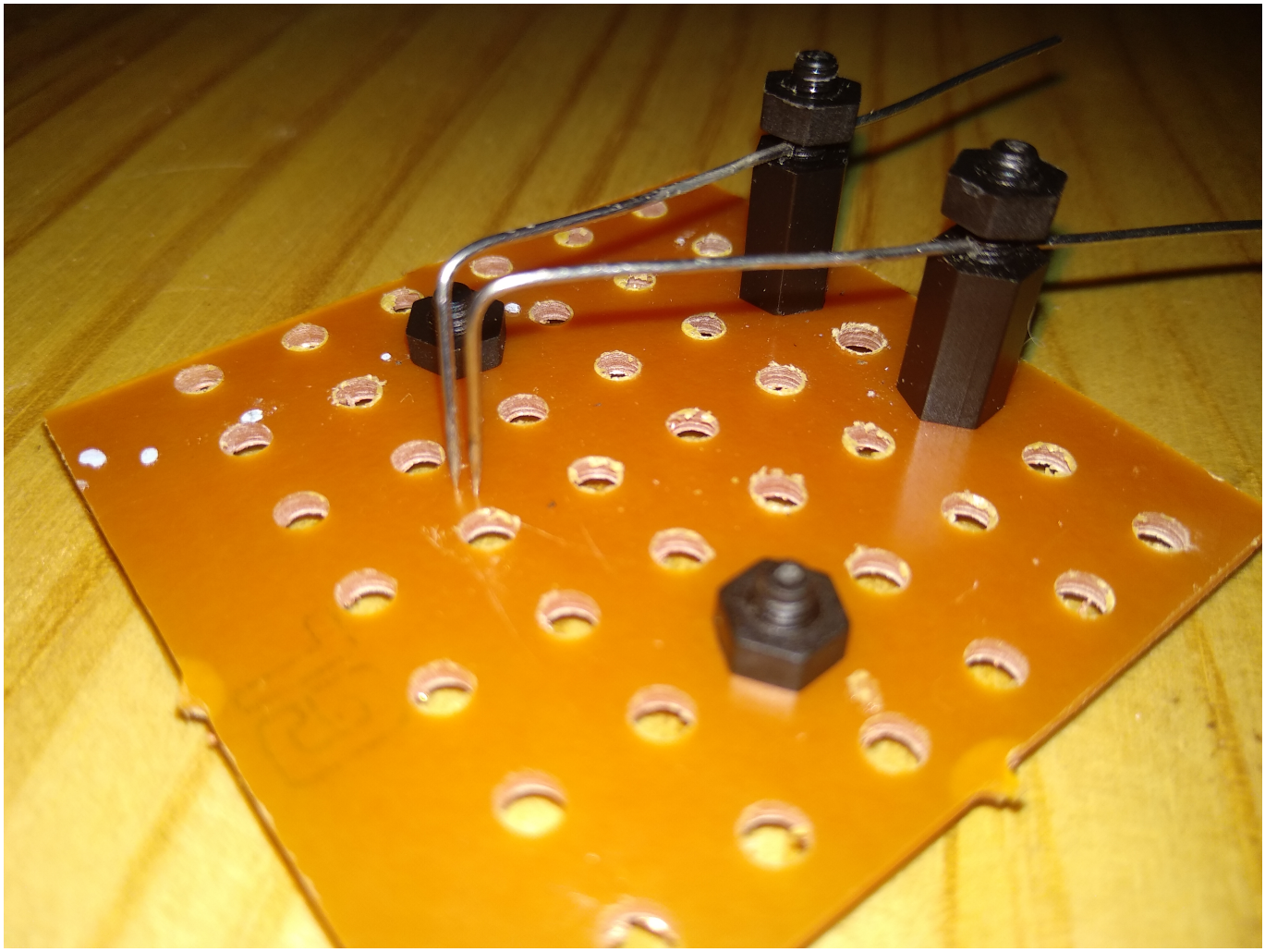












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