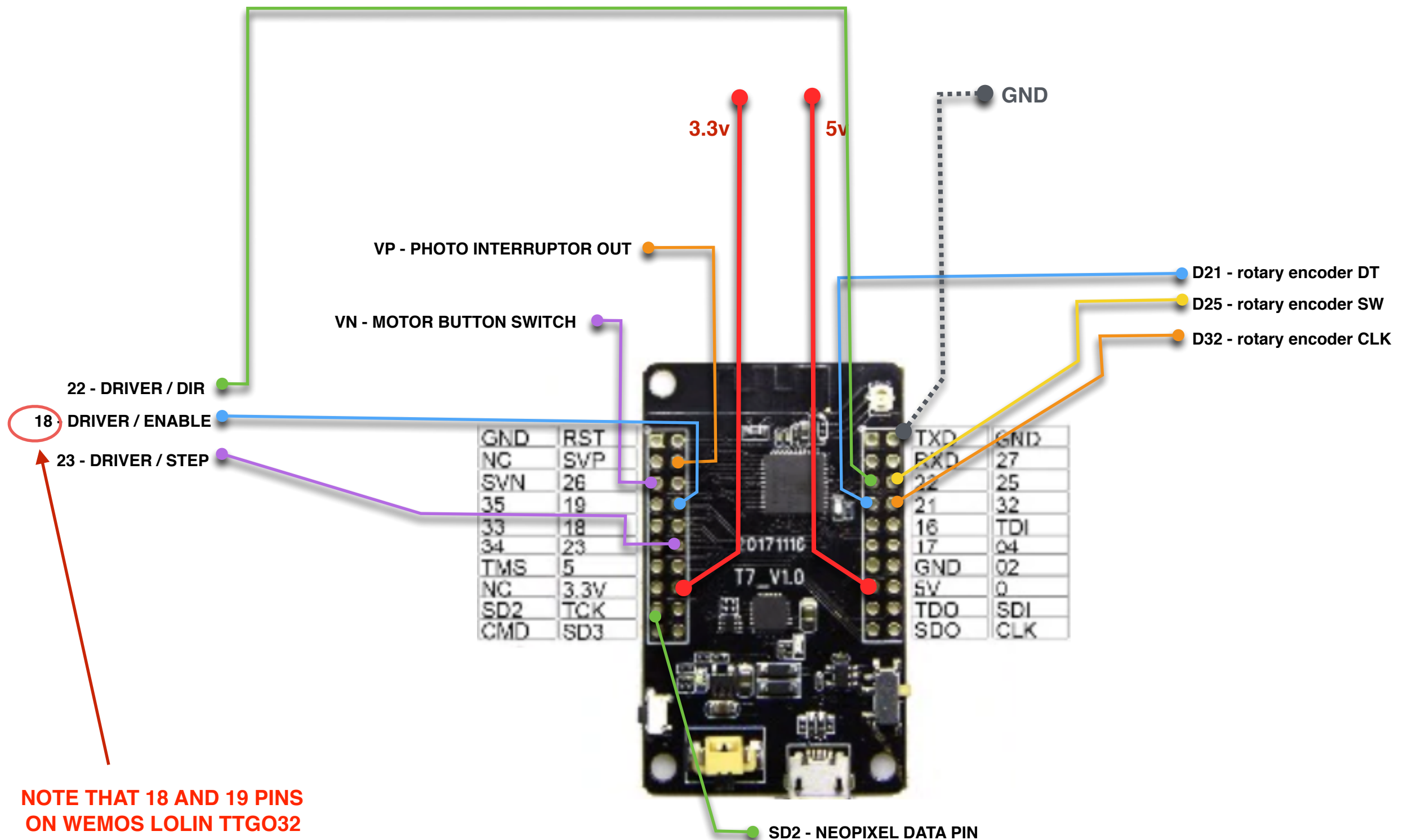
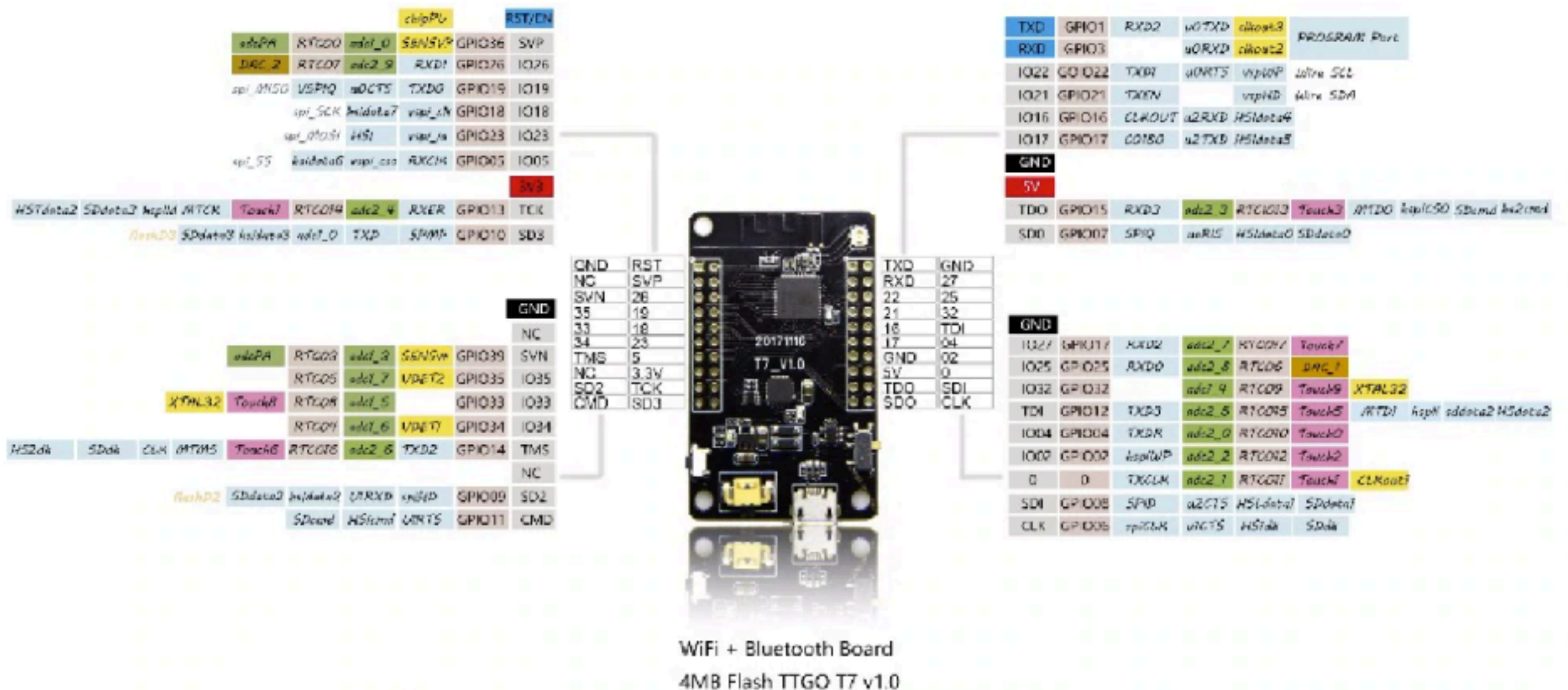


ESP32 PIN	TTGO PIN	device pin
Vin	5V	step down converter +5V
Gnd	Gnd	GND line // step down converter GND
D25	D25	rotary encoder SW
D32	D32	rotary encoder CLK
D21	D21	rotary encoder DT
VP (GPIO36)	SVP (GPIO36)	TCST Photo Interruptor OUT
VN (GPIO39)	- - -	SWITCH BUTTON
TX2 (GPIO17)	SD2(GPIO9)	NEOPIXEL RING data pin
D19	D18	DRV8825 ENABLE pin
D22	D22	DRV8825 DIR pin
D23	D23	DRV8825 STEP pin





Power

ESP32 VCC range: 2.2V-3.6V
VBAT: direct to battery (and charger)
VUSB: direct to USB (5V)
VCC: Output of regulator 3.3V/600mA
Up to 250mA during RF transmissions

Wireless

Wifi: 802.11 b/g/n/e/i
WPA/WPA2/WPA2-Enterprise/SPS
Bluetooth: Bluetooth 4.2/BLE

ESP32

Dual-core Xtensa 32-bit LX6
Up to 240MHz
520kB internal SRAM
4MB external flash

Multiplexed I/Os allow up to

18 ADC channels
3 SPI interfaces
3 UART interfaces
2 I2C interfaces
2 I2S interfaces
16 LED PWM outputs
2 DACs
10 Capacitive Touch Inputs

ADC Preamp

GPIO pins 36,37,38, and 39 are able to be used as a low noise analog pre-amplifier

Other*

Hall Sensor
Temp sensor (-40C to 125C)
SD/SDIO/MMC Host Controller
CAN Bus

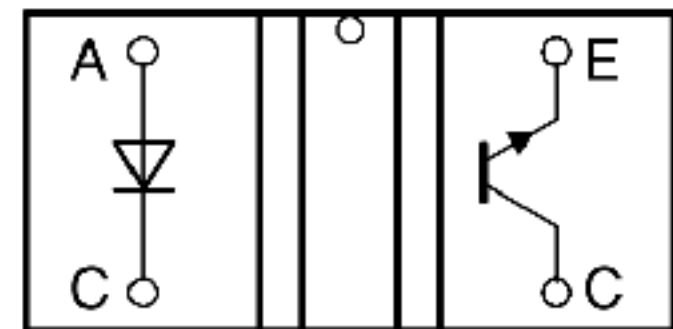
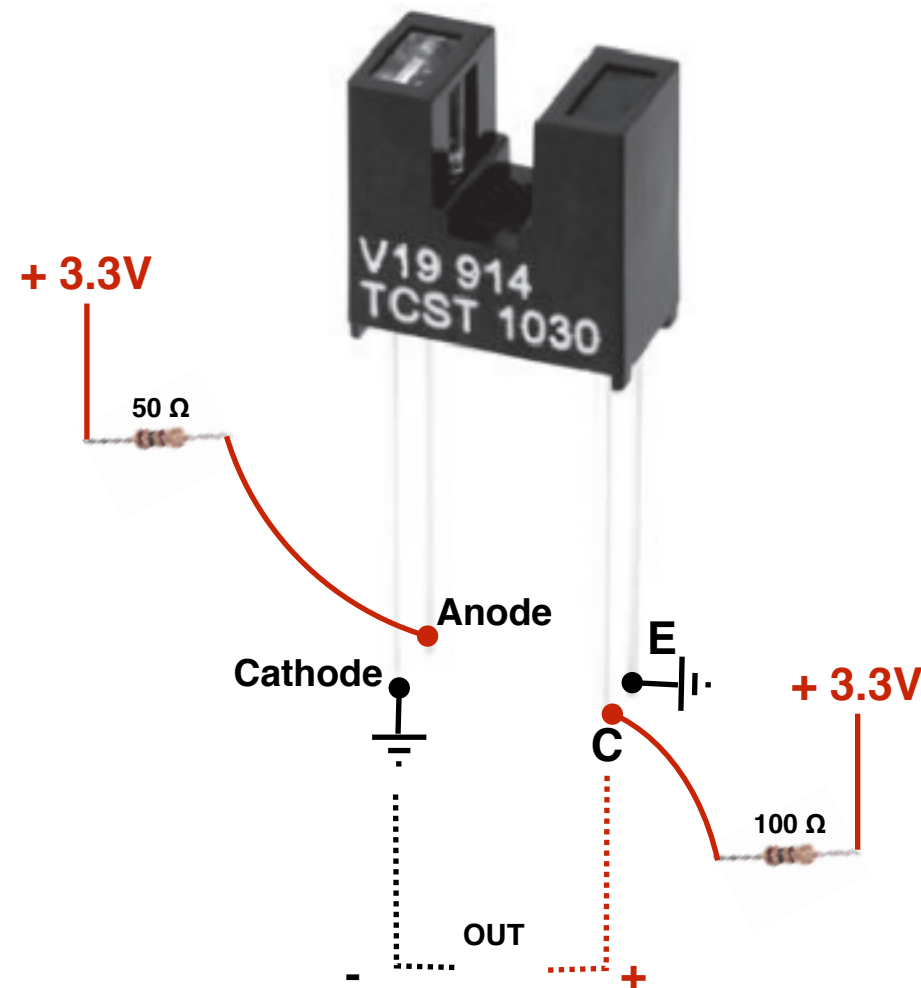
*for someone, but may not be supported yet

Name	ADC
Power	DAC
GND	SPI
Control	UART
Arduino	Touch
GPIO	Misc

*GPIO: Port Input Only
*ADC: Preamp ADC
GPIO 3.3V tolerant only

Voor meer product informatie, in GitHub: <https://github.com/LilyGO/TTGO-T7-Demo>

TCST1030 PHOTO INTERRUPTOR



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