Digispark

Menor Arduino do Mundo na Segurança da Informação

WhoAmI







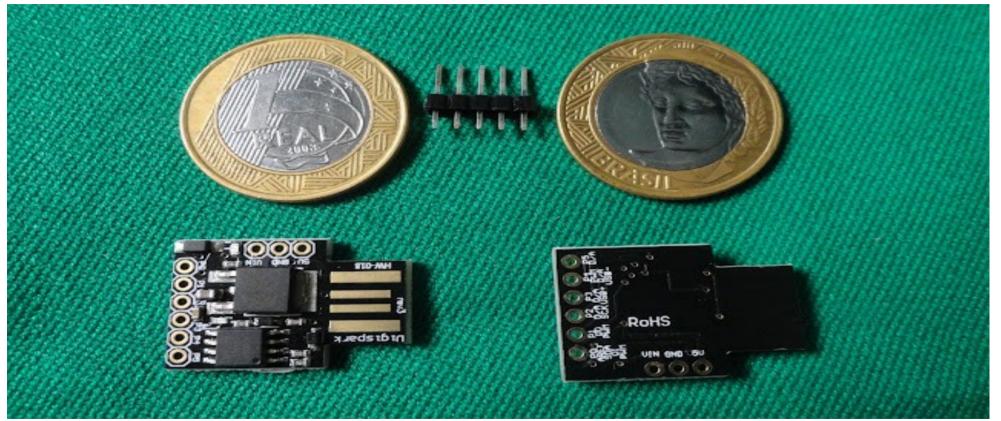












Arduino IDE

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DOIT ESP32 DEVKIT V1, 80MHz, 921600, None

🤿 🕪 seg 27 jun, 10:23



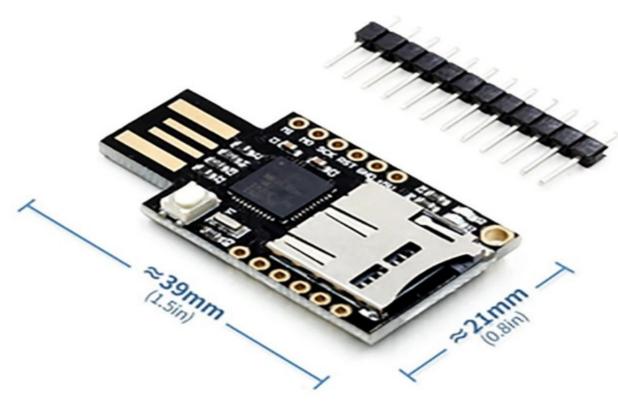
TIPOS DE DIGISPARK





Digispark Ostentação

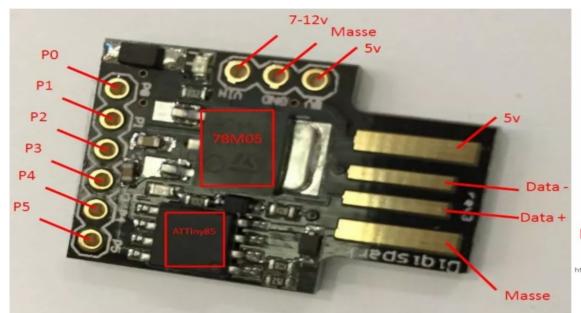


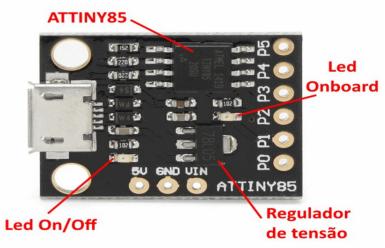


https://pt.aliexpress.com/item/1005003745708204 .htmlgatewayAdapt=fra2bra&aff_fcid=8afbd52947 a34c448e20f52e015e6fe0-164721971320207091 Ae07yx&tt=CPS_NORMAL&aff_fsk=_Ae07yx&aff_pT atform=shareComponentdetail&sk=_Ae07yx&aff_trace_key=8afbd52947a34c448e20f52e015e6fe0-1 647219713202-07091-_Ae07yx&terminal_id=a23b 993d037448dab401f9431953fe03&afSmartRedirect=y

Componentes da Plaquinha





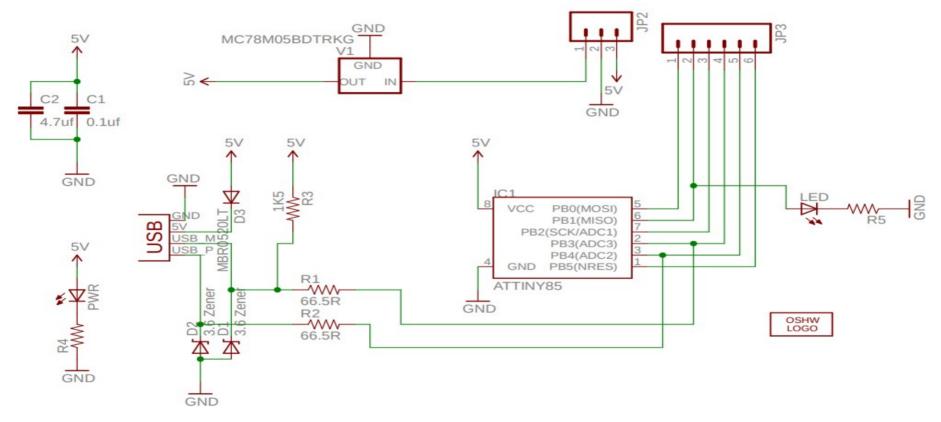


https://www.arduinoeeletronica.com.br/produto/placa-de-desenvolvimento-usb-attiny85-digispark-arduino/

 $https://external-content.duckduckgo.com/iu/?u=https:%3A%2F%2Ftse2.mm.bing.net%2Fth%3Fid%3DOIP.N_DPpcX0d15thYrCJiPGTwHaFY%26pid%3DApi&f=12pcX0d15thYrCJiPGTwHaFY%20pcX0d15thYrCJiPGTwHaFY%20pcX0d15thYrCJiPGTwHaFY%20pcX0d15thYrCJiPGTwHaFY%20pcX0d15thYrCJiPGTwHaFY%20pcX0d15thYrCJiPGTwHaFY%20pc$



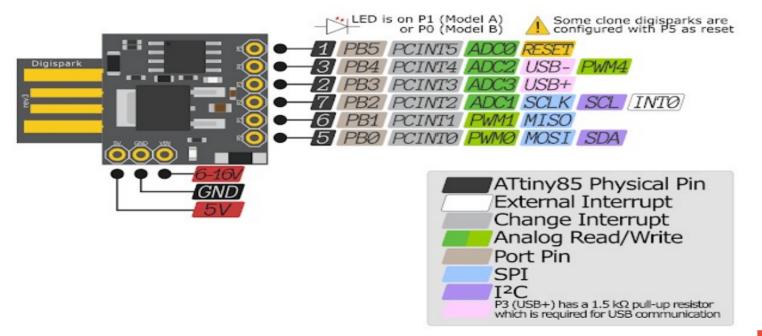








spark! PINOUT



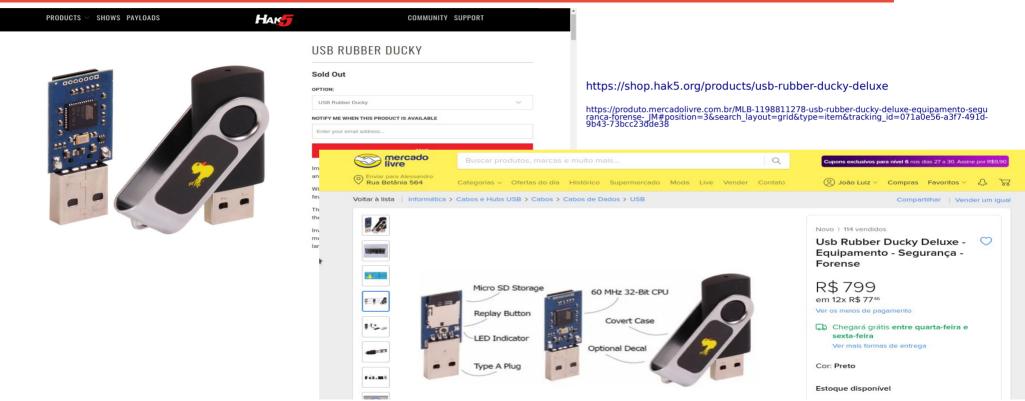
Dados do Digispark



- Microcontrolador: Atmel ATTINY85
- Memória flash: 8KB
- EEPROM: 512 bytes
- SRAM: 256 ou 512 bytes
- Pinos de I/O: 6
- Conexão: USB Tipo A ou Micro USB B, depende do modelo
- Conversor analógico digital (ADC) em 4 pinos
- Baixo consumo de energia
- Dimensões da PCI: $25mm \times 18,5mm \times 4,5mm$ (USB A) ou $26,5 \times 18,5 \times 4,5mm$ (Micro USB B)

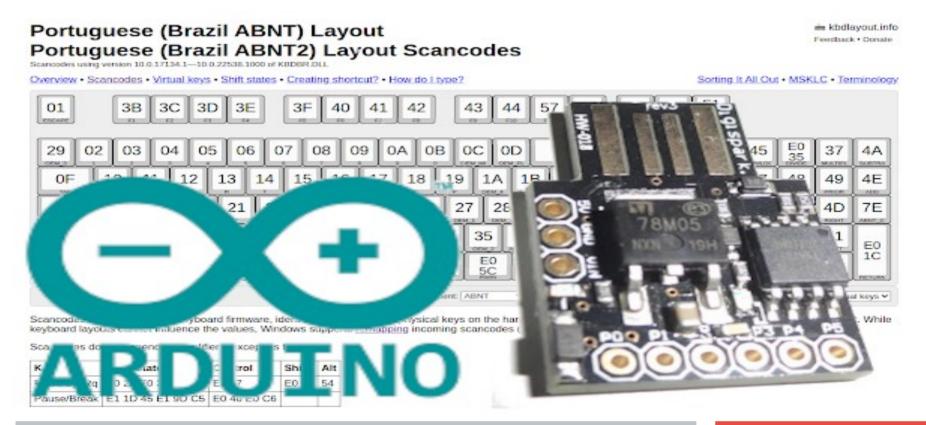






Bibliotecas







Mapa de Teclas no Digispark

1	I and the second
TECLA	CÓDIGO DA TECLA
Α	KEY_A
Z	KEY_Z
1	KEY_1
9	KEY_9
F1	KEY_F1
F12	KEY_F12
ESPAÇO	KEY_SPACE
ENTER	KEY_ENTER
TAB	KEY_TAB
®windows Esquerda	MOD_GUI_LEFT
®windows Direita	MOD_GUI_RIGHT
CONTROL Esquerda	MOD_CONTROL_LEFT
CONTROL Direita	MOD_CONTROL_RIGHT
SHIFT Esquerda	MOD_SHIFT_LEFT
SHIFT Direita	MOD_SHIFT_RIGHT
ALT Esquerda	MOD_ALT_LEFT
ALT Direita / ALT Gr	MOD_ALT_RIGHT

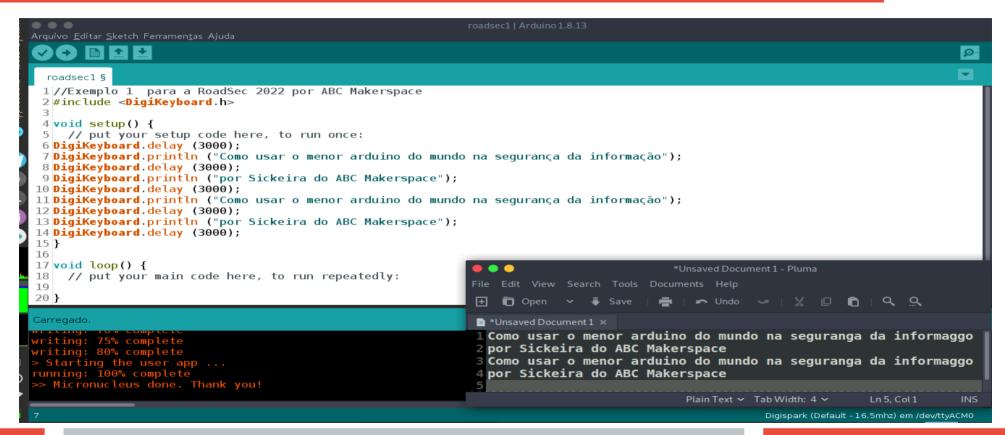




```
comandos | Arduino 1.8.13
Arquivo <u>E</u>ditar <u>S</u>ketch Ferramen<u>t</u>as Ajuda
  comandos
 1//Exemplo comandos para a RoadSec 2022 por ABC Makerspace
 2 #include <DigiKeyboard.h>
 4 void setup() {
 5 // código agui para rodar uma vez:
 6 DigiKeyboard.println ("Mensagem sempre entre aspas");
 7 DigiKeyboard.delay (tempo em milisegundos);
 8 DigiKeyboard.sendKeyStroke (código da tecla);
 9 }
10
11 void loop() {
12 // código aqui para repetir indefinidamente:
13 DigiKeyboard println ("Mensagem sempre entre aspas");
14 DigiKeyboard delay (tempo em milisegundos);
15 DigiKeyboard.sendKeyStroke (código da tecla);
16 }
Salvo.
                                         Digispark (Default - 16.5mhz) em /dev/ttyACM0
```







Cases para Digispark

















- 2 Digispark USB Developer Board Enclosure https://www.thingiverse.com/thing:3591940
- 3 Digispark case https://www.thingiverse.com/thing:3898373
- 4 digispark case https://www.thingiverse.com/thing:4722898
- 5 DigiSpark BadUSB https://www.thingiverse.com/thing:3700609
- 6 Digispark case with visible status LEDs https://www.thingiverse.com/thing:4726547

Projetos com Digispark Teclado Minusculo de 1 Tecla





https://www.youtube.com/watch?v=2ZL3OR1C4WQ

Projetos com Digispark Password USB Key





https://www.hackster.io/mushux95/password-usb-key-d10b11





Pinagem do Digispark: https://www.deviantart.com/mortenaaserud/art/Digispark-Attiny85-Pinout-738150591

Esquema eletrônico: https://s3.amazonaws.com/digistump-resources/files/97a1bb28_DigisparkSchematic.pdf

Obrigado!

