

ARM Cortex M0+

José Rodrigo Solis Quiñónez 21002223

Ricardo José Farfán Miranda 21003210

Mariano José Tahay Alvarado 21001700



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Raspberry Pi Pico

Raspberry Pi Pico



- RP2040
- Dual-core Arm Cortex M0+
- 133MHz
- 26 x multi-functional GPIO pins
- 2 x UART
- Temperature sensor



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Computers

Accessories

Microcontrollers

Services

Pico C SDK

Microcontrollers

RP2040

Raspberry Pi Pico and Pico W

The family

Raspberry Pi Pico and Pico H

Pinout and design files

Raspberry Pi Pico W and Pico WH

Pinout and design files

Documentation

RP2040 Device

Raspberry Pi Pico

Raspberry Pi Pico W

Software Development

Software Utilities

What is on your Pico?

Debugging using another Raspberry Pi

Resetting Flash memory

Raspberry Pi Debug Probe

Raspberry Pi Pico and Pico W

The family

Edit this on GitHub



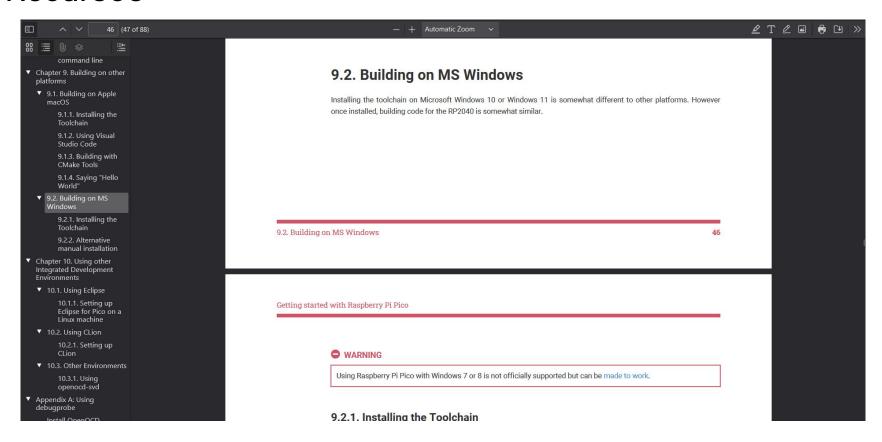




The Raspberry Pi Pico family currently consists of four boards; Raspberry Pi Pico (far left), Pico H (middle left), Pico W (middle right), and Pico WH (far right).

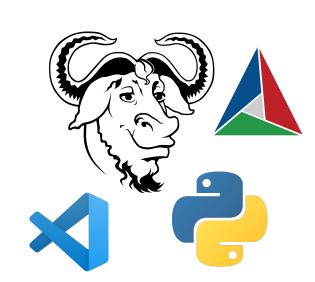
Instalación

Recursos



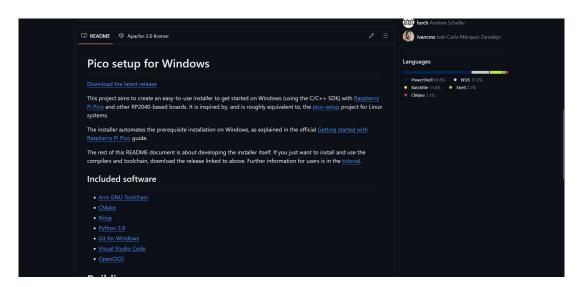
Windows

- Arm GNU Toolchain
- CMake
- Python 3.9
- Visual Studio Code
- OpenOCD



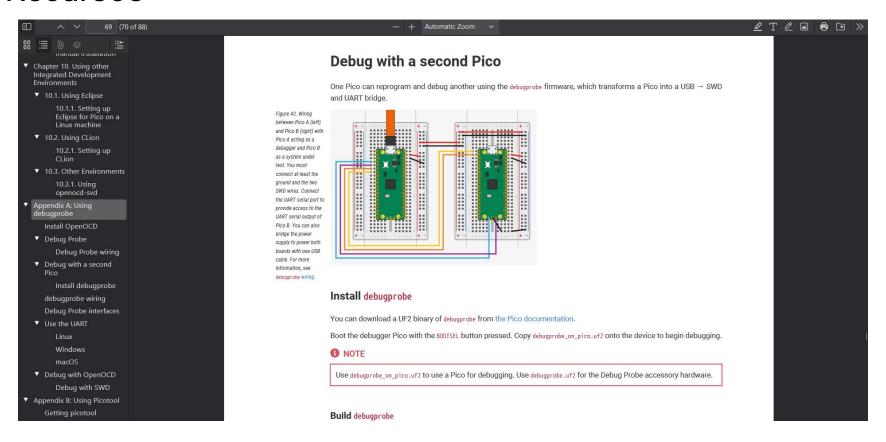
Recomendaciones

- Usar chocolately
- Instalar MinGW
- 3. Descargar el instalador del SDK
- Siempre revisar que los PATH estén en orden

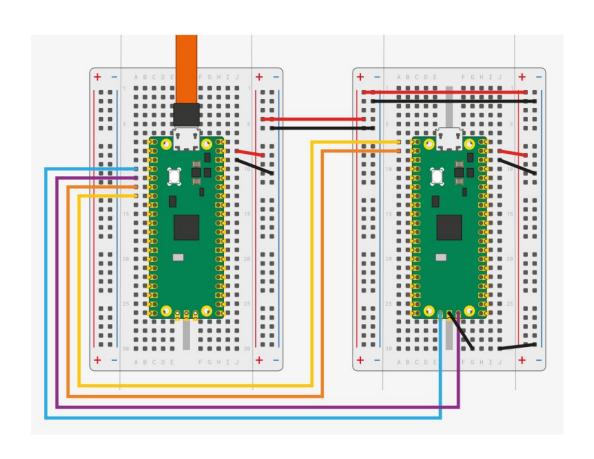


Debugger

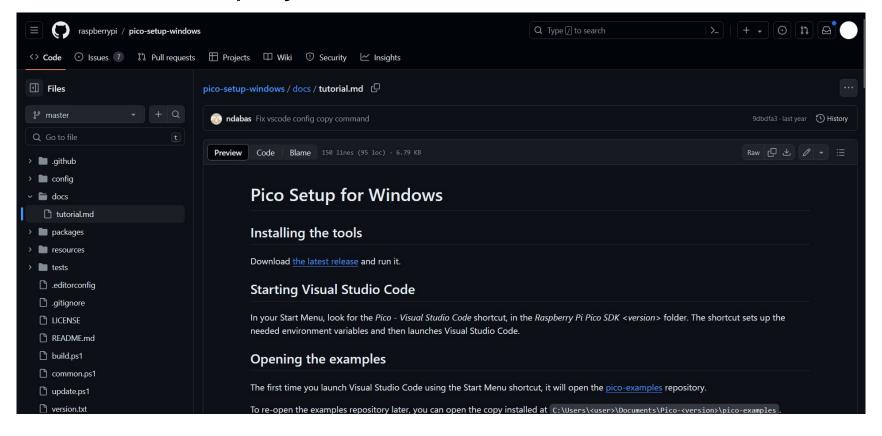
Recursos



Circuito



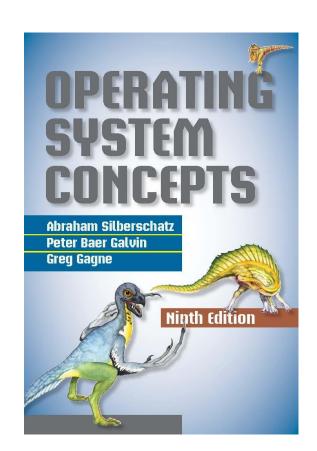
Crear un nuevo proyecto



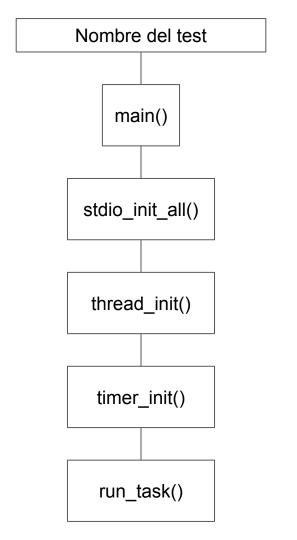
Código

Conceptos clave

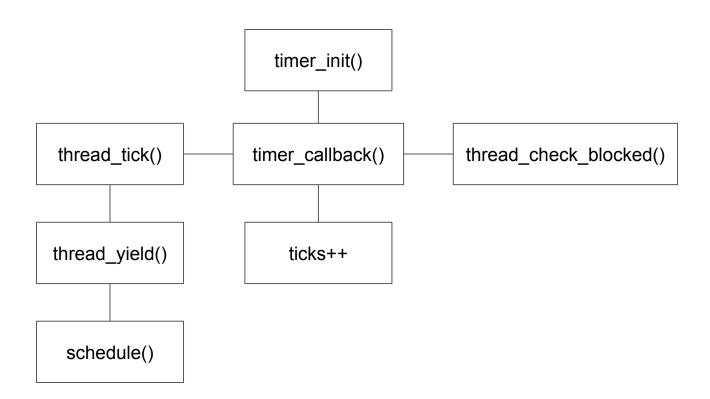
- Concepto de un thread
- Calendarizar un thread
- Algoritmo de "Round Robin"
- Context Switch
- Timers



Diagramas de flujo



main.c



timer.c

Muchas Gracias