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Started at 17.04.2023

Download Picoprobe binary

Label: picoprobe-cmsis-v1.02

TRAP: Datei picoprobe.uf2 benutzen ; nicht debugprobe.uf2

Get Openocd original Binary

No longer need to compile

TRAP: Use direct placed binary

<https://github.com/openocd-org/openocd/releases>

openocd-v0.12.0-i686-w64-mingw32.tar.gz

Hint: libusb error message is away

Extract only bin scripts directory

git portable

unpack with 7z

cmake x64 ZIP

First success building Blinky on PicoW

Installing msys2 mingw64

As described in
Getting started with Pico
Appendix A: Using Picoprobe
Build OpenOCD
Windows

Download and run the installer from <https://www.msys2.org/>
into

bin\msys2

call msys2.exe

execute update commands in prompt after calling msys2.exe

pacman -Syu

pacman -Su

pacman -S mingw-w64-x86_64-toolchain

Only add toolchain ... differs from advice in getting started manual

Insert into

SetEnv.bat

only add

bin\msys2\mingw64\bin

to the path

Don't add path

bin\msys2

Dont add env value

set CXX=gcc

Dont need to add Wifi parameters in Cmake call

Run

First run in eclipse debug does not start

give

reset run

in openocd debug terminal

Or separate start with power off on

Directory Structure

Binaries

bin

bin/cdt

bin/7z

bin/git

bin/cmake

bin/git

bin/ninja

bin/python

doc

All Documents necessary to understand

links

sdoc

Self created documents(e.G. this)

Links

<https://www.raspberrypi.com/documentation/>

<https://www.raspberrypi.com/documentation/microcontrollers/raspberry-pi-pico.html>

<https://datasheets.raspberrypi.com/>

<https://www.raspberrypi.com/documentation/microcontrollers/debug-probe.html>

Load picoprobe binary

<https://github.com/raspberrypi/picoprobe/releases/latest/download/debugprobe.uf2>

<https://github.com/raspberrypi/picoprobe/releases>

Get Openocd Windows Binaries

<https://github.com/xpack-dev-tools/openocd-xpack/releases>

Putty

<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>

<https://git-scm.com/download/win>

<https://cmake.org/>

Cmake tutorial

<https://github.com/TheErk/CMake-tutorial/blob/master/precompiled-PDFs/2016-09-27-CMake-tutorial.pdf>

Prebuild openocd from rpi

No

<https://github.com/raspberrypi/pico-setup-windows/releases/tag/v0.5.1>

Yes

<https://github.com/openocd-org/openocd/releases>

Ninja

<https://github.com/ninja-build/ninja/releases>

<https://www.eclipse.org/downloads/packages/>

Eclipse IDE for Embedded C/C++ Developers

