

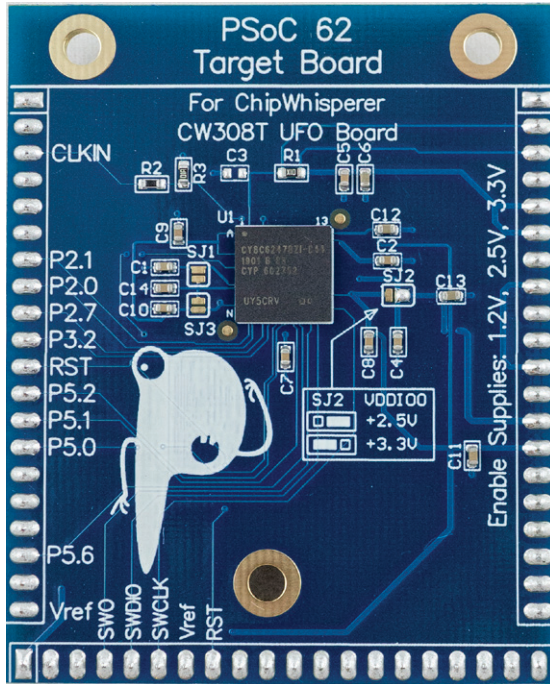


NewAE Technology Inc.
newae.com

ChipWhisperer® Embedded Security Analysis Tools CW308 UFO Targets

Cypress PSOC62 UFO Target

Product Datasheet



The PSoC62 board features the CY8C6247BZI-D44 from Cypress Semiconductors. This device features multiple secure boot features, and a separate Cortex-M0 “security code” in addition to the Cortex-M4 “main processor.”

The PCB layout should be compatible with the PSoC64 - the PSoC64 features effectively the PSoC62 with pre-programmed secure core memory.

This board requires an external JTAG/SWD programmer (such as OpenOCD or J-Link) for use, as does not include a bootloader.

The design files are available as part of the open-source ChipWhisperer example targets.

CW308 UFO Baseboard REQUIRED for use!

JTAG Programmer REQUIRED for use!

Product Highlights

CY8C6247BZI-D44 (PSoC62) in 124-BGA package features many security features, including E-Fuse boot options, boot verification, and a security co-processor.

Total of 1MB of FLASH Memory, 288 KB SRAM, and 1KB EFUSE memory.

Cortex-M4F main processor, and Cortex-M0+ co-processor used for security and secure boot, boots from ROM first.

Multiple cryptographic accelerators including AES, 3DES, RSA, SHA-512, SHA-256 and ECC.

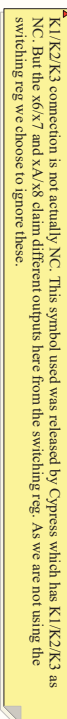
Ordering Summary



NAE-CW308T-PSOC62 Cypress PSOC62 (CY8C6247BZI-D44) UFO Target Board.

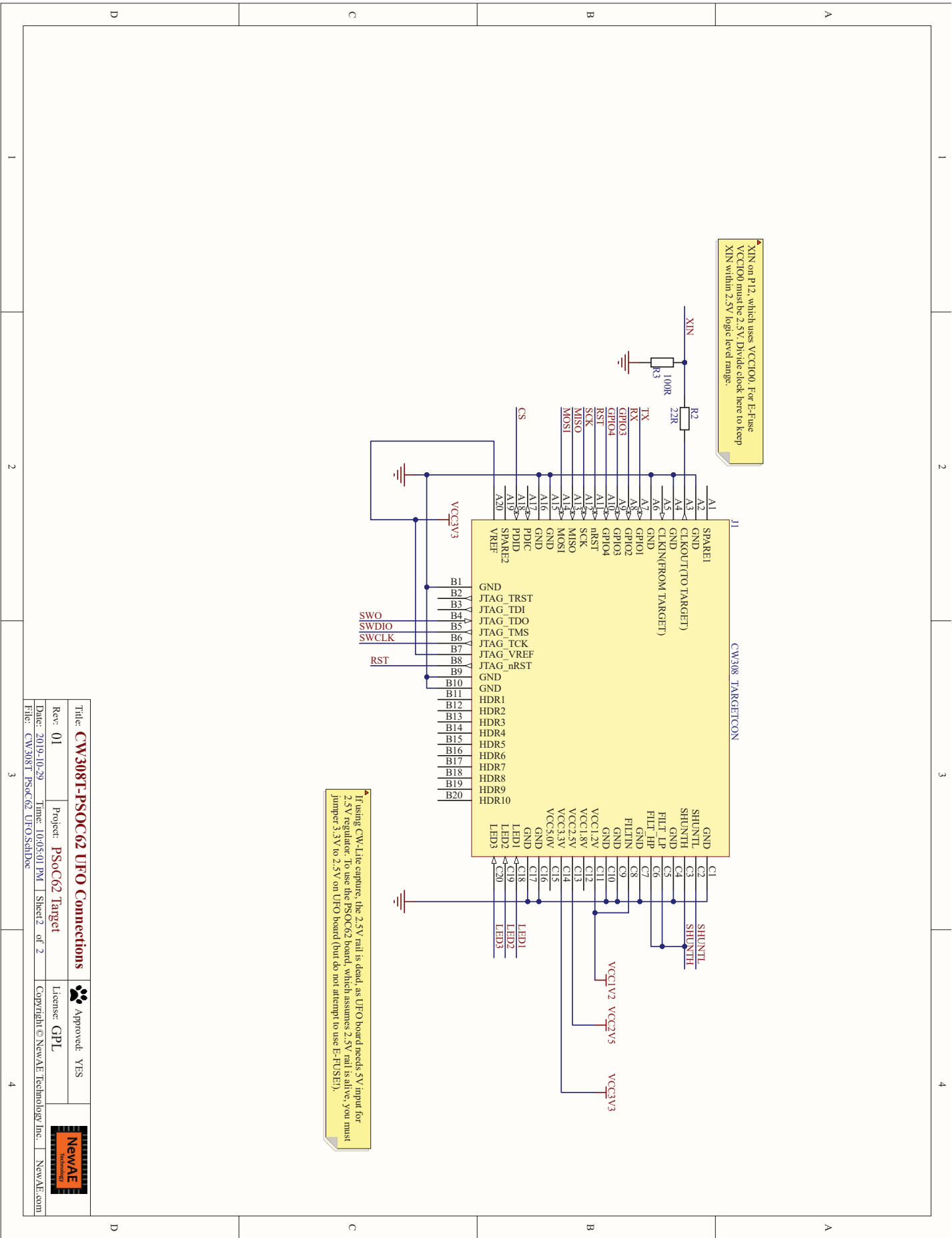
Product Links

| | |
|--------------------|---|
| Full Documentation | https://wiki.newae.com/CW308T-PSOC62 |
| Hardware Design | https://github.com/newaetech/chipwhisperer-target-cw308t |
| Firmware Example | https://github.com/newaetech/chipwhisperer/tree/develop/hardware/victims/firmware/ |

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| | | | | |
|---|-------------------------------|--------------|---|--|
| Title: CW3081-PSoc62 Microcontroller | | |  Approved: YES | |
| Rev: 01 | Project: PSoc62 Target | | License: GPL | |
| Date: 2019-10-29 | Time: 10:05:01 PM | Sheet 1 of 2 | Copyright © NewAE Technology Inc. | |
| File: CW3081_PSoC62_MCU_SchDoc | | |  NewAE.com | |



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