

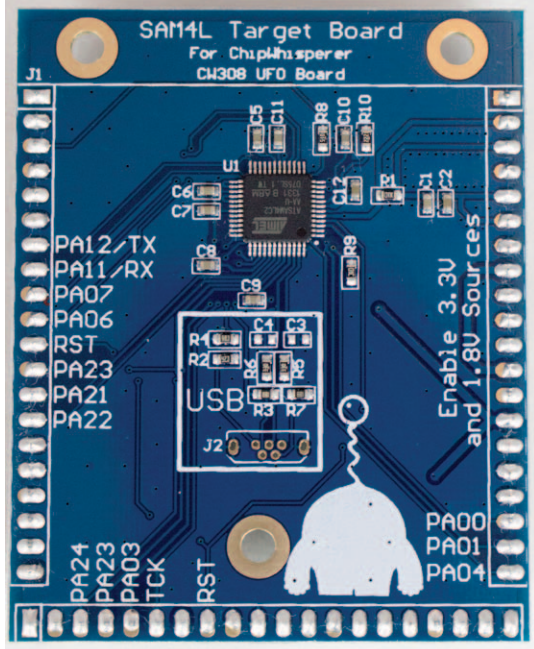


NewAE Technology Inc.
newae.com

ChipWhisperer® Embedded Security Analysis Tools CW308 UFO Targets

SAM4L UFO Target

Product Datasheet



The SAM4L board features the ATSAM4L from Microchip. This device has an AES hardware accelerator with side-channel “countermeasures” that can be individually enabled or disabled, making it a good case study for evaluating test platforms.

The board requires an external JTAG based programmer for use.

CW308 UFO Baseboard REQUIRED for use!

JTAG/SWD Programmer REQUIRED for use!

Product Highlights

Microchip ATSAM4L in TQFP-48 package, with 128KB flash and 32KB SRAM.

JTAG port on CW308 UFO baseboard breaks out JTAG/SWD pins to standard 20-pin JTAG header.

Full design files are available under an open-source license.

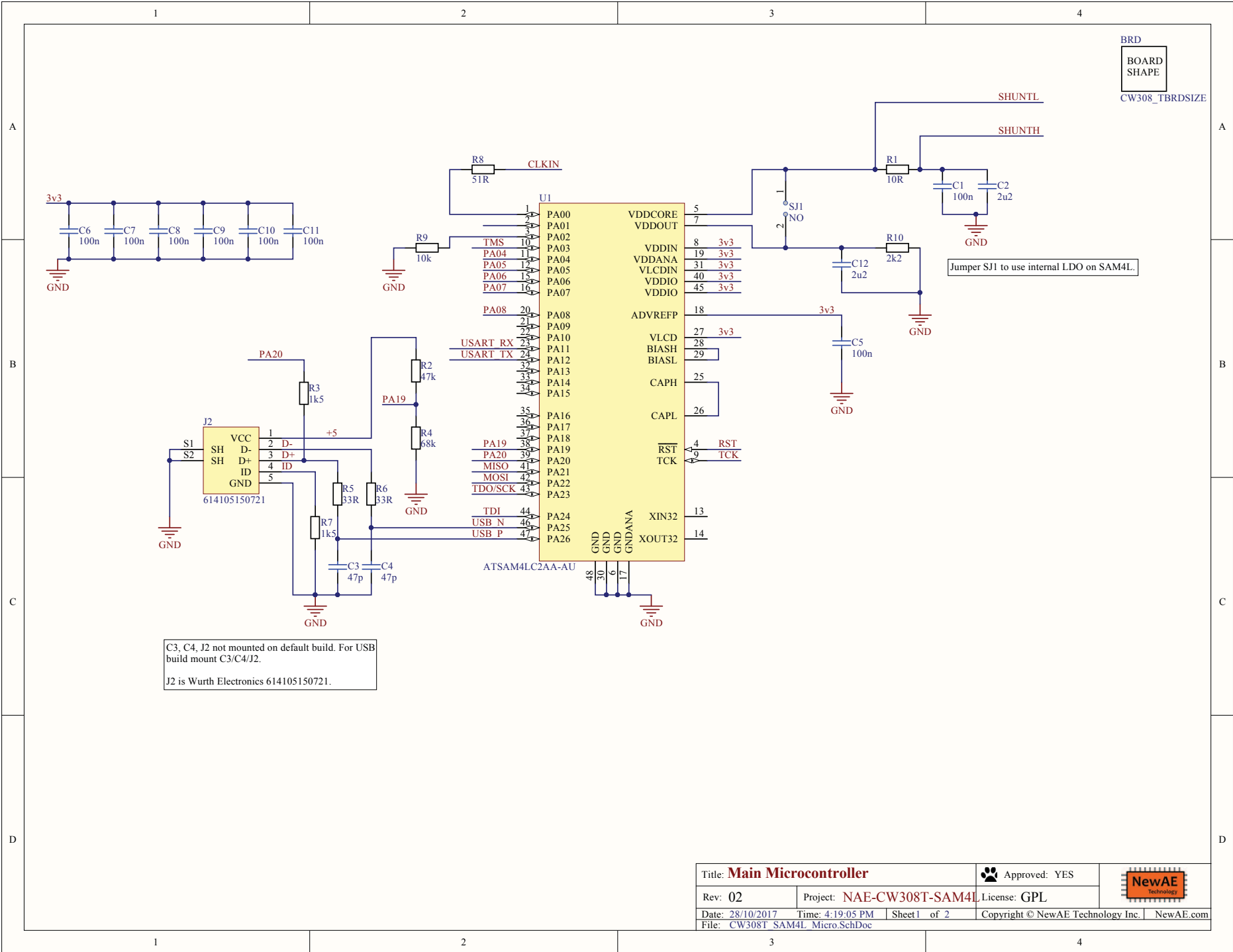
Ordering Summary

NAE-CW308T-ATSAM4L Microchip ATSAM4LC2AA-AU UFO Target Board.

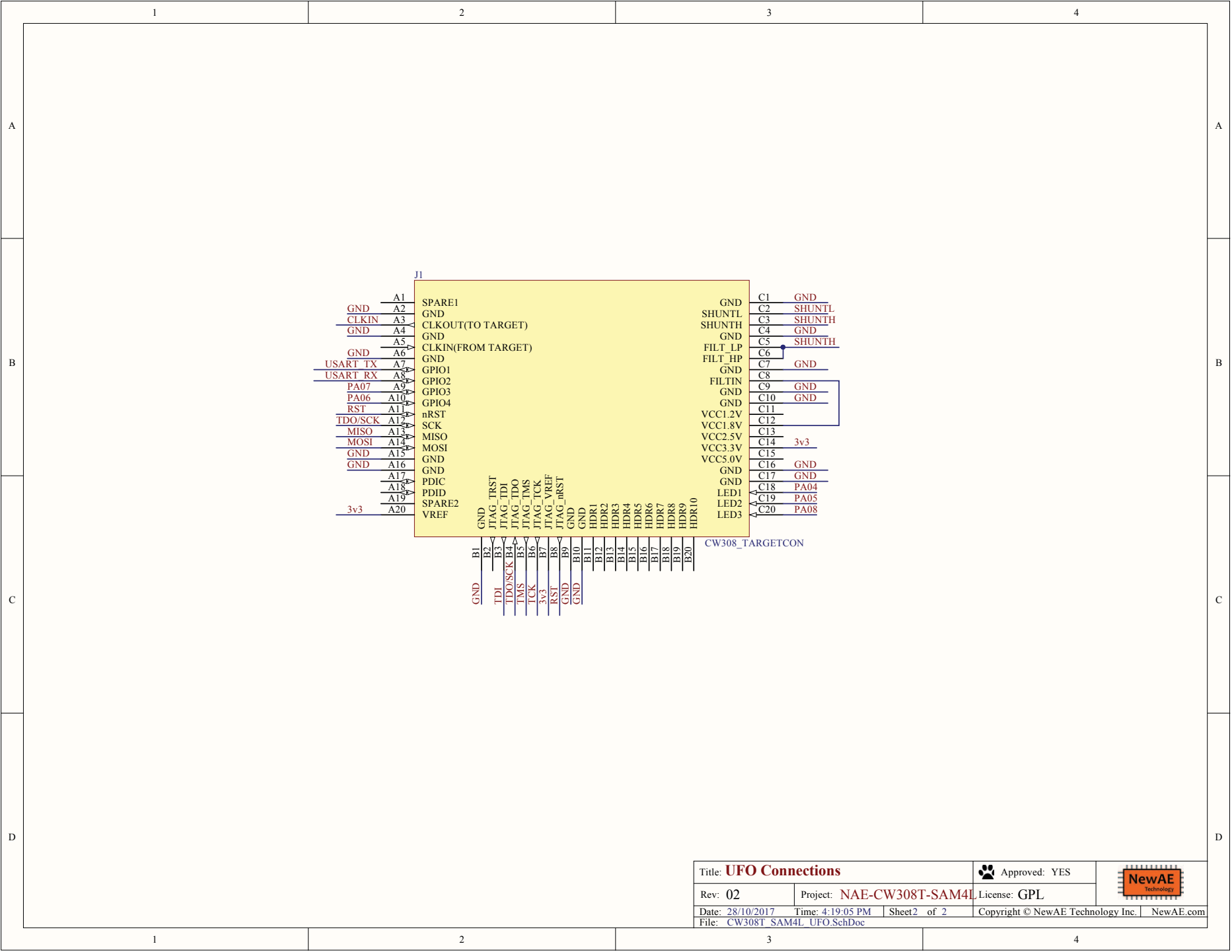
Product Links

Full Documentation	https://wiki.newae.com/CW308T-SAM4L
Hardware Design	https://github.com/newaetech/chipwhisperer-target-cw308t
Firmware Example	https://github.com/newaetech/chipwhisperer/tree/develop/hardware/victims/firmware/

Schematic



Schematic



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