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GreatFET One

DEV-16267

| DESCRIPTION | INCLUDES | **FEATURES** | DOCUMENTS |

- LPC4330 microcontroller
- 2MB flash memory
- Expansion interface of 80 pins (2 female headers with 2 rows of 20 pins)
- Bonus row of 20 male pins
- Programmable digital I/O
- Unpopulated Cortex Debug Header for JTAG or SWD
- Serial protocols including SPI, I^{2}C, UART, and JTAG
- Logic analysis
- Analog I/O (ADC/DAC)
- Data acquisition
- Debugging
- Versatile USB functions including FaceDancer
- High-throughput hardware-assisted streaming serial engine
- Four fabulous LEDs!

Tags

DEVELOPMENT   GREATFET   GREAT SCOTT GADGETS   I2C   JTAG   MICRO B
PROTOTYPING   PYTHON   SPI   UART   USB

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GreatFET One Product Help and Resources

SKILLS NEEDED

Core Skill: **Programming**

If a board needs code or communicates somehow, you're going to need to know how to program or interface with it. The programming skill is all about communication and code.

Skill Level: Competent - The toolchain for programming is a bit more complex and will examples may not be explicitly provided for you. You will be required to have a fundamental knowledge of programming and be required to provide your own code. You may need to modify existing libraries or code to work with your specific hardware. Sensor and hardware interfaces will be SPI or I2C.

See all skill levels

Core Skill: **Electrical Prototyping**

If it requires power, you need to know how much, what all the pins do, and how to hook it up. You may need to reference datasheets, schematics, and know the ins and outs of electronics.

Skill Level: Rookie - You may be required to know a bit more about the component, such as orientation, or how to hook it up, in addition to power requirements. You will need to understand polarized components.

See all skill levels

Comments

⚙ Looking for answers to **technical questions**?

We welcome your comments and suggestions below. However, if you are looking for solutions to technical questions please see our **Technical Assistance** page.

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