

SKILLS NEEDED

This skill defines how difficult the soldering is on a particular product. It might be a couple simple solder joints, or require special reflow tools.



Skill Level: Competent - You will encounter surface mount components and basic SMD soldering techniques are required
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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.

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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: Competent - You will be required to reference a datasheet or schematic to know how to use a component. Your knowledge of a datasheet will only require basic features like power requirements, pinouts, or communications type. Also, you may need a power supply that's greater than 12V or more than 1A worth of current.

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The pictures with the rulers do not have the correct dimensions.