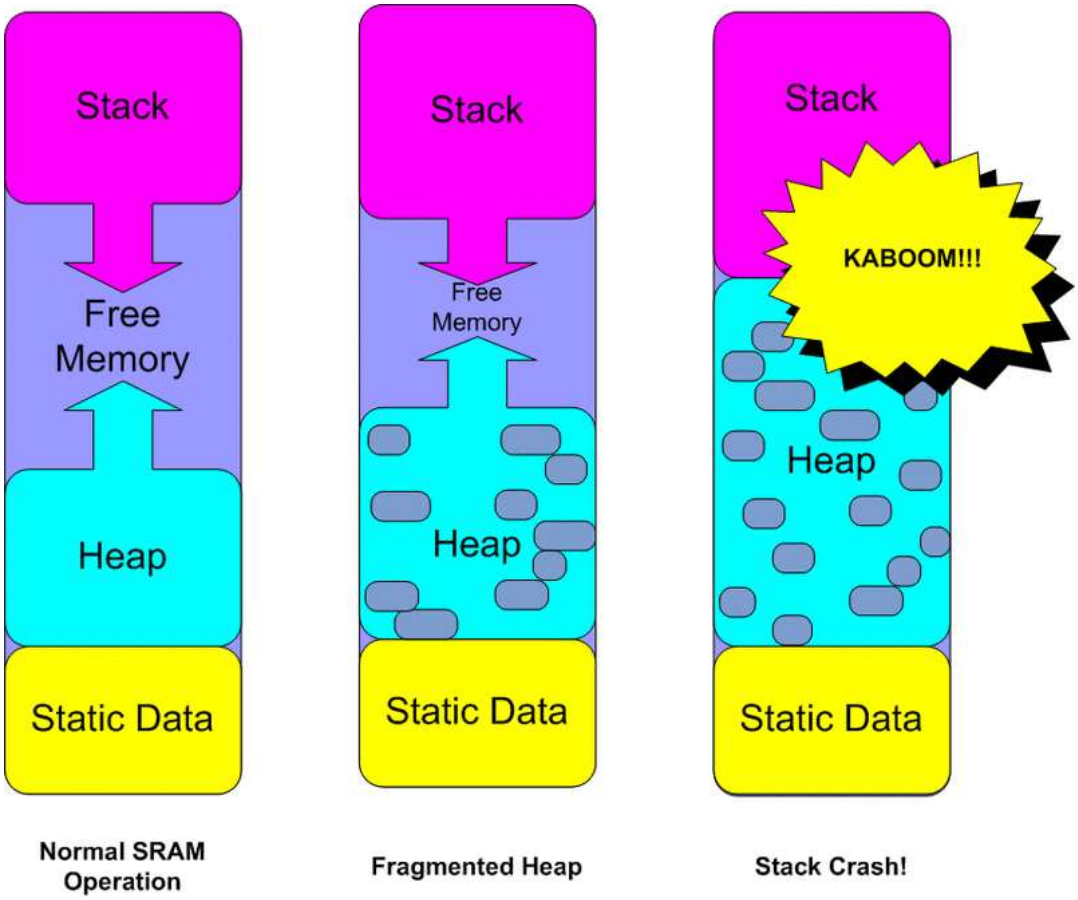


Memories of an Arduino

How to get the most from your Arduino Memory

Contributors

Bill Earl
Feedback? Corrections?
LEARN ARDUINO

Using EEPROM

by Bill Earl
EEPROM is a handy, non-volatile storage space that works well for storing data such as calibration or tuning constants that are not practical to hard-code into Flash.

It is unusual to run out of EEPROM. And it is not often practical to use EEPROM to offload SRAM data. But we'll mention it here for completeness. Using EEPROM requires that you include the EEPROM library.
Copy Code

```
1. #include <EEPROM.h>
```

The EEPROM library gives us 2 functions:

uint8_t read(int)

Read a byte from the specified EEPROM address

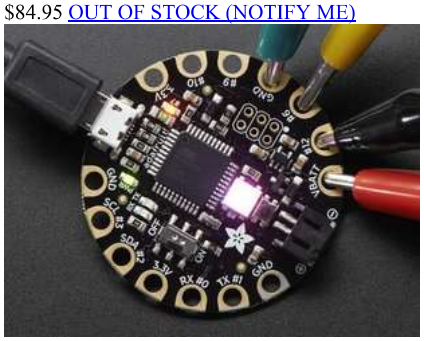
void write(int, uint8_t)

Write a byte to the specified EEPROM address

Note that while reads are unlimited, there are a finite number of write cycles (typically about 100,000).
OPTIMIZING SRAM
Last updated on 2015-05-04 at 04.27.27 PM Published on 2013-08-02 at 10.19.49 AM

Arduino Mega 2560 R3 (Atmega2560 - assembled)
$45.95 OUT OF STOCK (NOTIFY ME)

Arduino Mega R3 Android Accessory Development Kit (ADK) Board
$84.95 OUT OF STOCK (NOTIFY ME)



FLORA - Wearable electronic platform: Arduino-compatible
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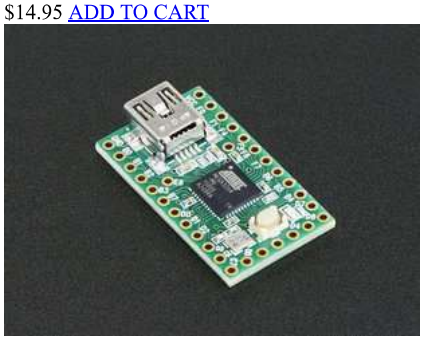

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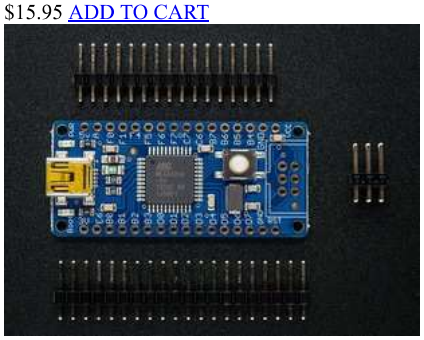

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Arduino Uno Ethernet
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RELATED GUIDES

FEATURED

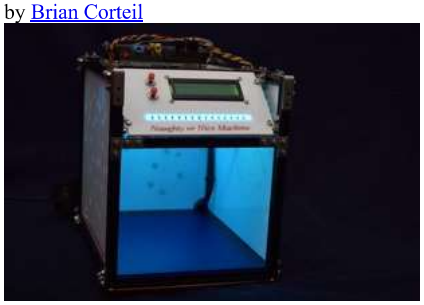
Ladvada's Learn Arduino - Lesson #0

Hi There!
by lady ada

If you're here, it's because you want to learn how to build and make stuff with electronics! And, you're in luck: there's never been a better time.

Naughty or Nice Machine

It knows if you have been Naughty or Nice!
by Brian Corteil



The Naughty or Nice machine is simply a bit of fun for the holidays. The machine works by taking a photo of the hand placed on the bottom plate. Using the openCV python computer vision library to count the number of red colour pixels, and display the result on the LCD screen.

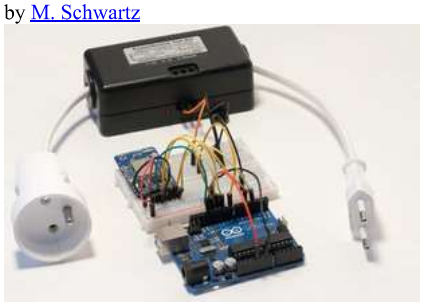
Multi-tasking the Arduino - Part 2

Excuse me while I interrupt myself...
by Bill Earl

Explore the magic of interrupts. Learn how to harness timer interrupts to keep your tasks running like clockwork. And use external and pin-change interrupts to notify you of events that need urgent attention.

Wireless Power Switch with Arduino & the CC3000 WiFi Chip

Build a WiFi power switch to control your home appliances!
by M. Schwartz



In this project, you will learn how to build an open-source version of a WiFi-controller power switch. You will be able to plug a lamp or any 110v/230v device to your project and control it wirelessly from a central interface.
×

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