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world. This book  
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this book, the authors  
use a step-by-step and  
systematic approach to  
show the programming

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boards.

## **AVR microcontrollers - Wikipedia**

It is the family of  
microcontroller that is  
developed by different  
manufacturers such as  
Motorola, ST  
Microelectronics, etc. It  
is the most popular  
microcontroller in an

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most industries prefer  
the ARM Training since  
it consists of large  
features to implement  
products with an  
excellent appearance.  
This type of  
microcontrollers is cost  
sensitive and high-  
performance devices.

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Microcontroller It

consists of 44 Pins with

32 bit Memory size. It

has flash memory type,

16 MIPS Speed, 2048

SRAM, Operating Volt

ranges from 2.7 to 5.5.

Uses: It is used in a

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23. (a)  $9\text{FFFFh} - 10000\text{h} = 8\text{FFFFh} = 589\text{824 bytes}$  (b)  $576\text{ kbytes}$
24.  $2^{32} - 1 = 4\text{294967295}$
25. (a)  $\text{FFh}$ ,  $255$  (b)  $\text{FFFFh}$ ,  $65535$  (c)  $\text{FFFFh}$ ,  $4\text{294967295}$

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embedded controllers,  
and specifically, the  
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intended to fit the time constraints of a typical 3 to 4 credit hour course for electrical engineering technology and computer engineering technology programs, although it could also

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