WHAT IS ATMEGA 328?

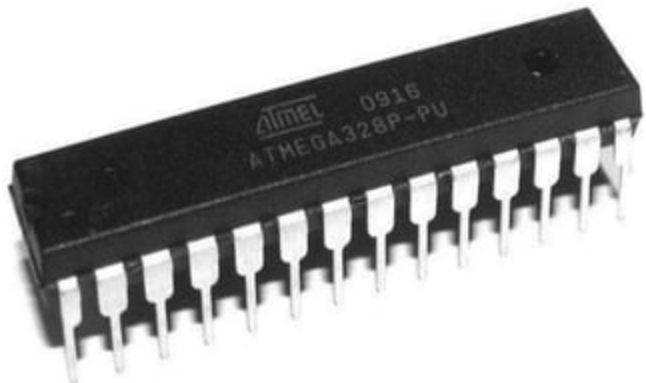
- **Atmega328** is a low power CMOS 8-bit microcontroller based on the AVR enhanced RISC architecture. By executing powerful instructions in a single clock cycle, the controller achieves throughputs approaching 1 MIPS per MHz awing the system designer to optimize power consumption.

- ATMEGA-328

ATMEL

FREQUENCY IN MEGAHz

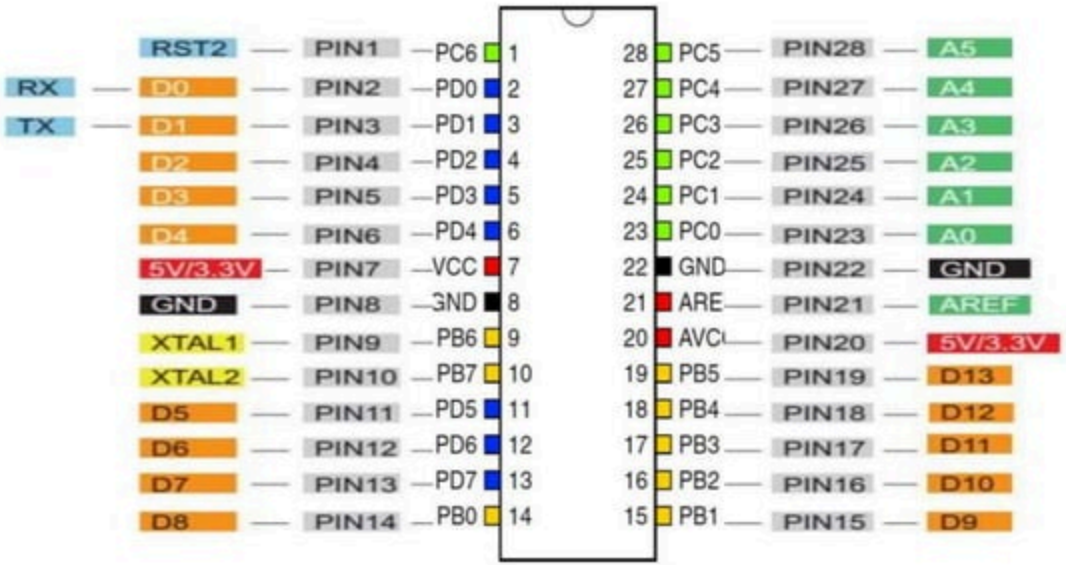
32kBYTE FLASH MEMORY



FEATURES OF ATMEGA 328

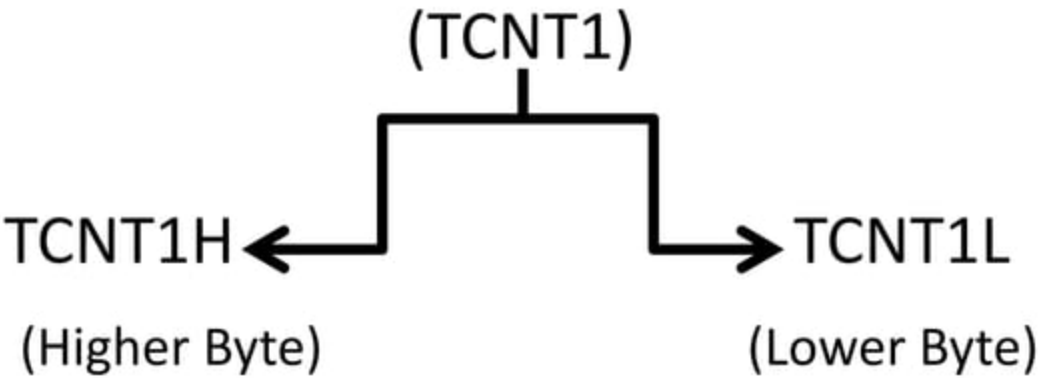
- High-performance, Low-power AVR 8-bit Microcontroller.
- Advanced RISC Architecture .
- 32 8-bit GP registers.
- 3 8-bit I/O ports.
- 32 KB flash memory.
- 1 KB EEPROM & 2 KB SRAM.
- On chip 10 bit A/D converter.
- 16-bit timer.

Pin Description



Delay Calculation

16 bit Timer/ Counter register



- Max. Delay of 262ms with 16 MHz oscillator
- Max. counting value 2^16=65536