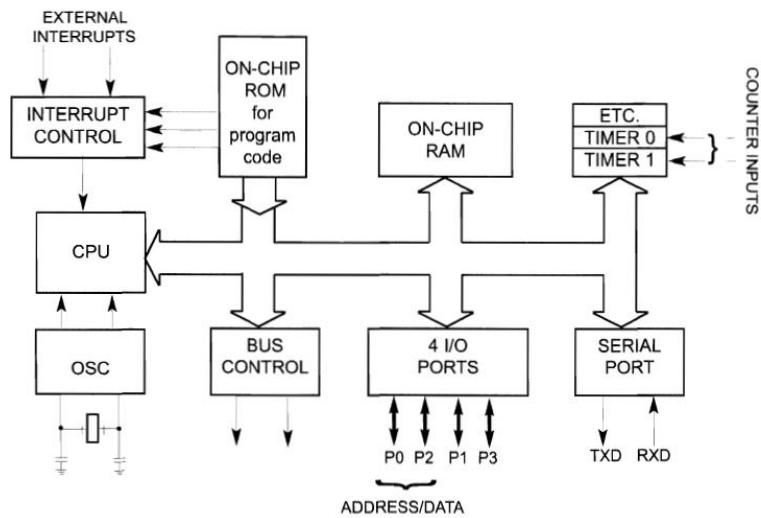


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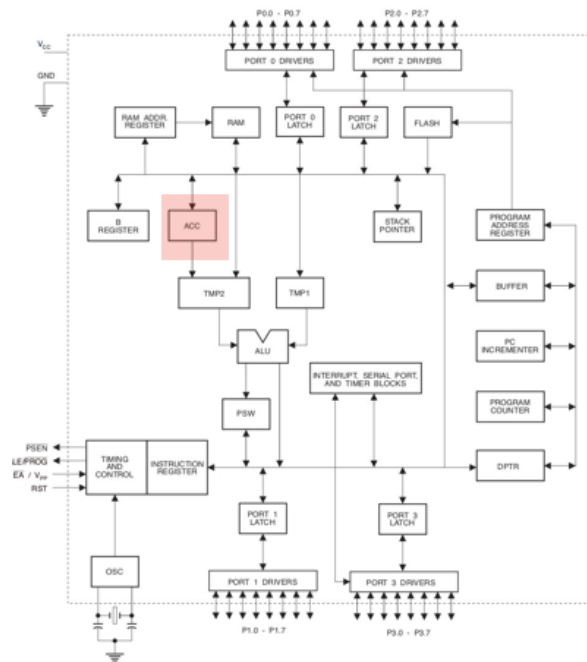
Tutorial 2: Microcontroller Components and Operations

A. Microcontroller Components and Operations

- Using as a reference the diagram of microcontroller and its peripherals given below, describe briefly at least four most common components of microcontroller in general. [2 marks]

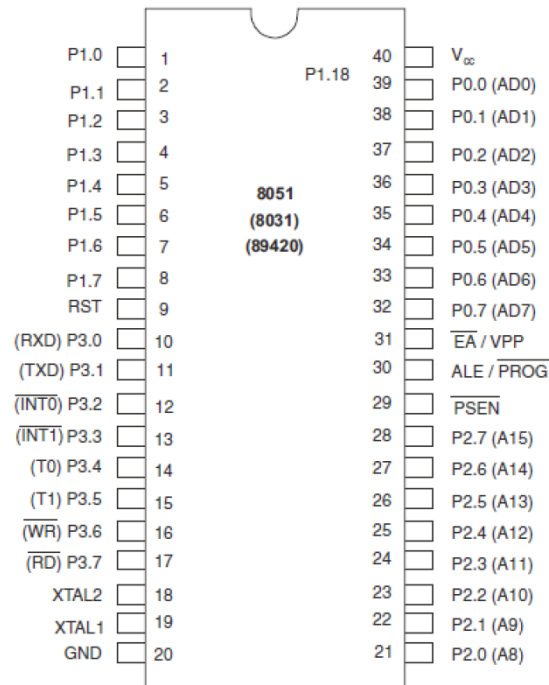


- Describe the function of accumulator in the 8051 microcontrollers. [2 marks]



B. 8051 Microcontrollers

1. What are the features of 8051 microcontrollers? Provide at least 4 of them. [2 marks]
2. Give the PIN details of an 8051 microcontroller and explain. [10 marks]



3. Referring to its internal block schematic given below, explain the internal components that are part of the architecture of 8051 microcontroller. [4 marks]

