Microcontrollers

Team Emertxe



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Microcontrollers

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What is a Microcontroller?



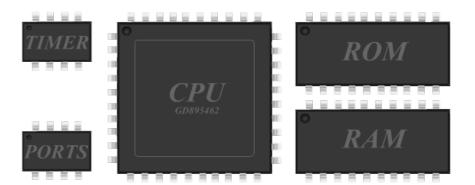
- An Integrated Circuit which is capable of being programmed to preform a specific task.
- The design normally has restrictions on its
 - Memory Size
 - I/O Capabilities
 - Peripheral Functions etc.,





μΡ vs μC - Microprocessors

- All separate components
- More flexible
- More design complexity



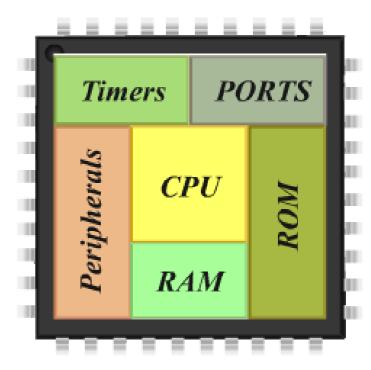






μΡ vs μC - Microcontroller

- All components in single chip
- Less flexible
- Less design complexity









Choosing a Microcontroller

- Applications
- Performance
- Price
- Availability
- Availability of Tools
- Special Capabilities





Thank You