

# PIC MICROCONTROLLER-BASED UP/DOWN COUNTER

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## ABSTRACT

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**Microcontroller** is a programmable integrated device that includes microprocessor, memory, and I/O signal on a single chip, which has computing or decision-making or controlling capability similar to that of the central processing unit (CPU). PIC microcontroller is one type of microcontroller which is coined by Microchip Company, provided with various packages as well as input/output pins. PIC16F84A is a new version of PIC 16F84, which contains 18 input/output lines and provided with two packages.