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8051 Microcontroller (AT89C51) The 8-bit microcontroller AT89C51 belongs to the 8051 families. It consists of 128 bytes of RAM, 16-bits of addresses, 16-bit timer/ counter-2, 6 interrupts ROM- 4k bytes. The main function of the microcontroller in the proposed system is to analyze the temperature which is sensed by the temperature sensor. Based ...

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Solution: i)8051 microcontrollers have 4 I/O ports each of 8-bit, which can be configured as input or output. Hence, total 32 input/output pins allow the microcontroller to be connected with the perip view the full answer. Previous question Next question Transcribed Image Text from this Question. Consider the following 8051 interfacing problem. (1+1+1+1+1] +5V 8051 ADC0804 Voc P2.5 P2.6 RD WR ...

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Calculation tool for setting Timers, UART, parameters in 80C51 Microcontrollers - This Excel file allows a user to determine register values for PCA, UART and Timers in order to obtain a specific signal (period and duty cycle) according to the application`s oscillator frequency and internal clock mode (X1 or X2).

[The Amazing \\$1 Microcontroller - Jay Carlson](#)

Introduction. This article is meant for beginners in the field of microcontrollers. When I started with microcontrollers, as everyone I also need to learn how to interface a switch with microcontroller. Here we use PIC Microcontroller 16F877A and MikroC Pro compiler. This tutorial assumes you have basic knowledge about programming PIC Microcontroller, else you read the article Blinking LED ...

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8051 Projects ; ESP32 Projects ; NodeMCU Projects ; IoT Projects ... that is they should turn ON or OFF with manual switches as well. And without being said, it should also be able to control the same load with voice using google assistant and also set a timer so that any load can automatically turn ON or OFF during a preset time of the day. This project is very similar to our ESP8266 Smart Wi ...

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