



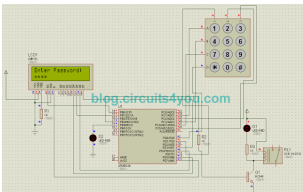
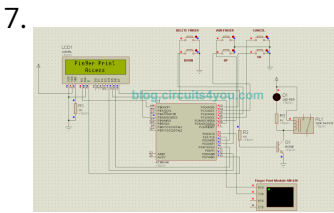


## Proteus simulation based avr projects

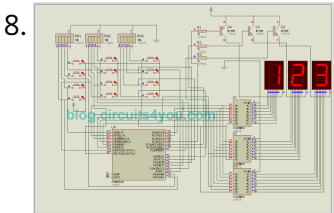
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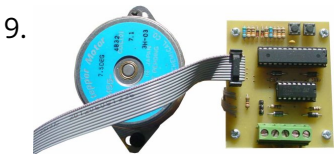
1.  MULTI-FUNCTION DIGITAL WRISTWATCH CIRCUIT ATMEL ATMEGA168PA Digital clock project PCB design is very good and prepared and used according to the coffers of small metal wristwatch. Except for a few digital Wristwatch circuit material including all...
2.  AUTOMATIC FEEDING MACHINE WITH CD-ROM MECHANIC For the author, the automatic feeding machine for the wedge is the easiest mechanical part for the application. they insert a plastic container all of which is placed on the...
3.  Interface 7 Segment Display to AVR Atmega32 using CD4511B Seven Segment Display operation using Atmega32 and CD4511B Seven segment display is a frequently used device found in several applications such as queuing systems, some types of clocks and calculators....
4. Keypad Door Lock using AVR Microcontroller – Atmega16 Password Based Keypad Door Lock In this article, a digitally secured lock based on password verification is explained. The system uses a seven segment display array to show the password,...
5.  ATmega16 Analog-Looking Digital Clock Project Atmega16 microcontroller in our circuit monitor 7 inch in size. Screen "3 inch" or "4 inch" may be, it doesn't matter. We have the biggest screen by controlling the foot...
6.  Password based door locking system Password based door locking system, uses Matrix keypad to enter the password, This project is extended to operate on IR Remote RC-604, In this project all required data is given...



Fingerprint based security system This AVR microcontroller based project demonstrates Finger print based access control / security system, in this project we have provided all required data, PCB, Code, Circuit Diagram, Proteus Simulation. This...



Token number display system using microcontroller Bank token number display project is build using ATmega8 Microcontroller and ULN2003 for driving large LED display, PCB layout, Circuit diagram are self explanatory. It is capable to display three...



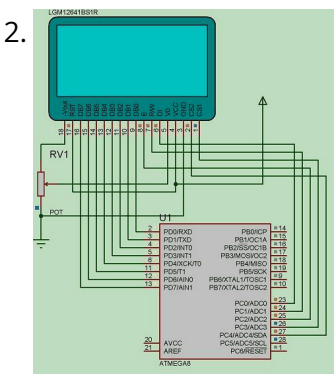
Stepper motor control with an ATmega8 microcontroller This note provides basic implementation details and procedural information to design and assemble a stepper motor system. The controller discussed here is the ATmel mega8, an 8-bit microcontroller (MCU). The...



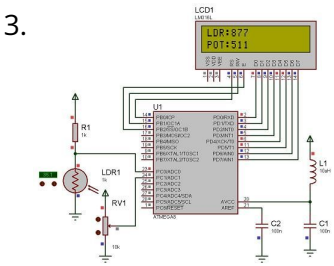
AVR LCD menu routine using ATmega8 microcontroller Lets have some practice and write simple AVR LCD menu routine. For this we need to write LCD control library. I decided not to use one from AVRLIB. LCD controlling...




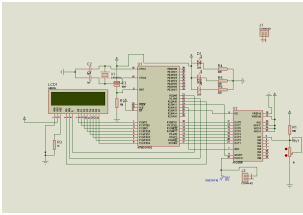
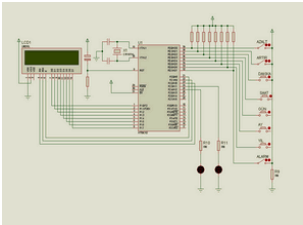
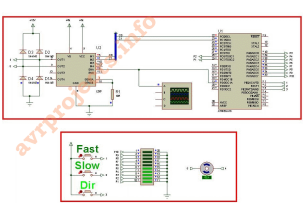
Simplified AVR LCD routines using ATmega8 microcontroller Controlling numeric LCD isn't so tricky as it may look like. O course you can find numbers of LCD libraries. One of more universal you can find in AVRLIB library...

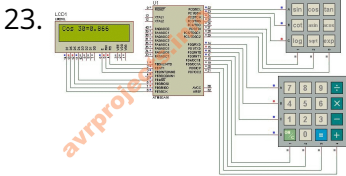
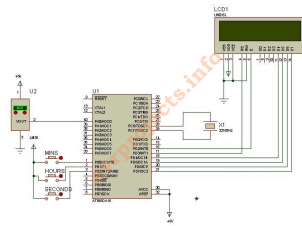


Simple signal drawing on graphical LCD routines using Atmega8 microcontroller During spare time I have been playing with graphical LCD. This time I decided to display simple signals that are stored in microcontroller memory. The idea was to read signal...

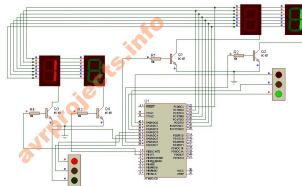


Programming AVR ADC module with WinAVR using Atmega8 microcontroller Most of AVR microcontrollers have Analog to Digital Converter (ADC) integrated in to chip. Such solution makes embedded designers life much easier when creating projects and programming them. With no...

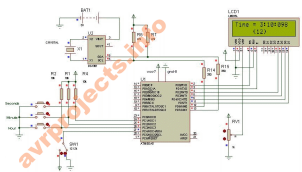
14.  PCB Exposure Box with Countdown timer using ATMEGA8 microcontroller Tired of spending hours and hours in wire soldering? Do your circuits look ugly and you are looking for a way to produce professional-like PCBs? Then you had better try...
15.  Color Sensor Circuit with AT89S52 ADC0808 This color of the surface color to red when you bring to the surface, a sensor to read the LDR, yellow, blue.Red, yellow and blue lights in different surface finishes...
16.  LCD Date Time Application using AT89S52 microcontroller This application can be installed at the same time an alarm indicating the date and time produced by Atmel with 8051 -based microcontroller AT89S52 tasarlanmıştır.Uygulamamızın using the Keil compiler using the C...
17.  Dot Matrix Display Applications using AT89C2051 microcontroller 4 Piece AT89C2051 micro-controller matrix display has a project carried out with proteus isis simulation and has asm hex code files Atmel AT89C2051 • Compatible with MCS @-51Products • 2K Bytes of...
18. ConnectEDA and Labcenter Conclude PCB Router OEM Agreement Boston, MA (PRWEB) May 21, 2004 -□ ConnectEDA and Labcenter Electronics Ltd. today announced their agreement for Labcenter to market ConnectEDA□s ELECTRA Shape-Based Autorouter on a worldwide basis. Labcenter□s Proteus...
19.  Stepper motor Control with Atmega16 With this project you can control a unipolar stepper motor. You can control both the speed and the direction of the motor. The speed and direction and can changed with...
20.  Simple calculator using avr microcontroller Atmega16 Here's a simple calculator with the Atmega16 microcontroller. It have an LCD display and a 4x4 keypad. You can also download the proteus simulation file on the downloads Bascom Code...
21.  DC Motor Speed Control using PWM This project gives a speed control of DC motor through PWM method. The Dc motor is derived by the L298 driver IC. You can also control the direction of the...
22. Thermometer with Clock using ATmega16 This project will display the temperature and time over the LCD display. LM35 is used to sense the temperature and the analog out of the LM35 is converted to digital...



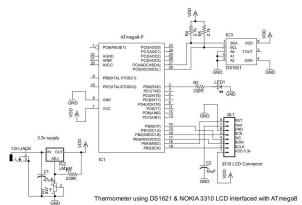
23. Scientific Calculator using AVR Microcontroller This project gives you a nice and simple scientific calculator using AVR microcontroller. It has 2 keypads as shown in the circuit diagram and the results are shown on the...



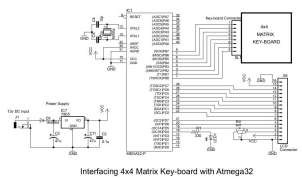
24. Traffic light controller using avr microcontroller Here's a traffic light controller using avr microcontroller. It can be adopted for a four way road. The code is written in Codevision C. You can download the C code...



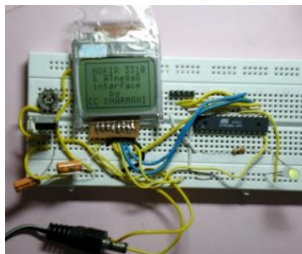
25. DS1307 based Clock using lcd This project gives you a real time clock with the RTC chip DS1307. This RTC chip has inbuilt oscillator for clock and it has its own registers for full calender....



26. Thermometer using DS1621 and Nokia 3310 LCD interfaced with ATmega8 I am presenting one application with the Nokia 3310 LCD: Designing a thermometer using DS1621 temperature sensor IC. DS1621 is 8-pin sensor from Maxim, with temp range of -55 to...



27. 4x4 Matrix Key-board Interfacing with ATmega32 Here is a project for beginners to interface a 16-key (4x4) keypad with ATmega32 using 8-pins i.e. one port of the microcontroller. This is useful particularly where we need more...



28. NOKIA 3310 LCD interfacing with ATmega8 Using graphic LCD in a project gives it really a good look and flexibility of displaying different characters and shapes. But, the graphic LCDs are quite costly. The NOKIA 3310...

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