

Projects

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230. Arduino All-in-One Getting Started Guide
231. The Arduino Weather Station / Thermostat using ATmega328 microcontroller
232. Control a Schlage electronic deadbolt with an arduino!
233. Garduino: Gardening + Arduino
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235. How to make a multi-layered acrylic and LED sculpture with variable lighting levels
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267. Soldering an SMT MOSFET Driver with a hotplate using microcontroller
268. The \$9 Quasi-duino (Almost-duino) using ATmega328 microcontroll
269. \$10 ATtiny85/45 POV display!! (works really well)
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492. Preamp and 330 + MHz Prescaler for A Little More Serious Frequency Meter using microcontroller
493. Analog audio panel for PC using ATmega328 microcontroller
494. RS-232 Freq. Meter/Pulse Generator Based on Atmel ATtiny2313 using microcontroller
495. A Pretty Good Wattmeter For Bench Use using microcontroller
496. MMC/SD/SDHC AVR Interface using ATmega8 microcontroller
497. TRUE RMS-TO-DC Adapter For DVM using microcontroller
498. I2C Tiny USB using ATtiny45 microcontroller
499. Dutchtronix AVR Oscilloscope Clock using Atmega328 microcontroller
500. A Microcontroller Based Digital Lock-In Milliohmeter using ATtiny2313 microcontroller
501. PHduino pH Meter Using Arduino
502. HF AC Millivoltmeter Adapter using microcontroller
503. Cellphone Operated Robot using ATmega16 AVR microcontroller
504. Precision Audio Frequency Peak Detecting Probe using microcontroller
505. A Field Strength Meter Using A Biased Schottky Detector using microcontroller
506. Broadband RF Field Strength Probe using Atmel AT90S1200A AVR controller
507. Minimum Mass Waveform Capture and Display using AT90S2313 microcontroller
508. Simple LM335 Thermometer using microcontroller
509. A Portable Precision Voltage Reference using microcontroller
510. AC Current Probe for Oscilloscopes
511. Low Capacitance Scope Probe Adapter
512. White LED Drive Circuit using Tiny microcontroller
513. Attention-Getting Auxiliary Warning Light Flasher/Driver
514. 1 Watt White LED Power Supply Circuit for battery operation
515. Single and Two Cell White LED Drivers Without Inductors
516. Remote Controlled (R/C) Airplane LED Flasher using ATTINY12 microcontroller
517. FAST PRECISION LED DRIVER
518. Series Connected Voltage Boost Circuit for a Battery Operated LED Lantern
519. A White LED Night Light Design
520. SKL14 -1A Schottky diode will fit everywhere
521. Atmega8 Pinout Diagram
522. White LED Battery Powered Power Failure Light
523. White LED Stroboscope
524. A 1.5 Volt, 1970's Style LED Flashing Red Caboose Marker Light using tiny microcontroller
525. Simplest LED Flasher Circuit
526. A serial interface for the Truly MTC-C162DPLY-2N using ATmega8515
527. Circuit and firmware to support Seiko-Epson G1216B1N000 dot graphics display using ATtiny2313



528. Multifunction 330 MHz Remote Control With an ATTINY2313 Simulating the PT2264 Encoder
529. How a Microwave oven works?
530. What is a stun gun – How to Make Stun Gun
531. Are you being spied – A Simple Field Strength Indicator (field strength meter)
532. DIY mobile phone – Create your own mobile phone
533. A Simple FM Stereo Transmitter using ATTINY12 microcontroller
534. A Low Power PLL FM Transmitter using LMX1601 and ATtiny2313 microcontroller
535. Minimum Mass Wireless LCD Display using ATtiny2313 microcontroller
536. Low cost RF for simple data link and remote control using ATtiny12 microcontroller
537. RS-232 to 100 MHz RF desktop channel adapter using ATtiny2313 microcontroller
538. Frequency Meter with 100 MHz RF desktop channel using ATtiny2313 microcontroller
539. 1750 Meter Lower Band amplitude modulated RF source using ATtiny2313 microcontroller
540. A Superhet/Direct Conversion AM receiver for 181.818 kHz using Attiny2313
541. AttoBasic HOME using Atmega168 microcontroller
542. Longboard Wheel Display using AVR microcontroller
543. AVR mod player using ATmega325 microcontroller
544. Minimum Mass Waveform Capture using AVR microcontroller
545. Audio Spectrum Monitor using S1D15200 microcontroller
546. DS interface test tool using ATtiny2313 microcontroller
547. Real Time Clock/Calendar/Alarm with Interpreter for battery backed-up and battery powered operation with DS interface using ATtiny12
548. AvrPhone using ATmega128 microcontroller
549. 3 channel, 8 bit EEPROM DAC with DS interface using ATtiny12 microcontroller
550. LED Matrix Display using TD62783 microcontroller
551. ATtiny12 fuse restorer using microcontroller
552. How to drive 595 shift registers with AVR hardware SPI using ATmega168 microcontroller
553. MP3 Player using ATMega128 microcontroller
554. PS/2 to C64 Mouse Adapter using ATmega8 microcontroller
555. LED Menorah using ATtiny13 microcontroller
556. How to control Stepper Motor using AT89C51 Microcontroller
557. LED DOT Matrix Pong using ATMega16 Microcontroller
558. BUILD A SIMPLE SERIAL PROGRAMMER FOR AVR DEVICES using ATtiny2313 Microcontroller
559. Making a USB based AVR Programmer using ATMEGA8 Microcontroller
560. LED Dog Collar using ATTINY2313 Microcontroller
561. Prime Calculator is Complete using ATMega8 Microcontroller
562. Barker Code-Locked Loop Synchronous Demodulator using ATtiny2313 microcontroller
563. DIY USB password generator using ATtiny Microcontroller
564. Door Chime Privacy Sentry using Attiny12
565. Multichannel USB Analog Sensor using ATMega48 Microcontroller
566. On/Off Controller – Interfacing Touch LCD LC7981 using ATMega Microcontroller
567. Remote Control based Robot using C language
568. Led Blink Code – Hello World Led using atmega16 in C
569. AVR-GCC LCD library – mixed pin support using Atmega328P
570. Temperature sensor with time and date display on graphical LCD using Atmega32
571. Interfacing rotary encoder to Atmega32



572. Running TX433 and RX433 RF modules with AVR microcontrollers using Atmega8
573. Programming AVR ADC module with WinAVR using Atmega8 microcontroller
574. Simple signal drawing on graphical LCD routines using Atmega8 microcontroller
575. Output number when button is pressed using Atmega16 microcontroller
576. AVR-GCC 4 bit and 8 bit LCD library using ATmega8 microcontroller
577. Measuring motor speed and display result on LCD using ATmega8 microcontroller
578. Simplified AVR LCD routines using ATmega8 microcontroller
579. AVR LCD menu routine using ATmega8 microcontroller
580. Servo motor control using Atmega8 microcontroller
581. 4x4 keypad example using AVR-GCC C language
582. AVR Programmer using ATTINY2313 microcontroller
583. ATMEL AVR ATmega 8535/16/32 and ATMEL AT89S5x Family Learning Kit
584. Data Acquisition System using ATmega8
585. Project Development Board using ATTiny2313 microcontroller
586. RFID Checkout System Design using ATmega644 microcontroller
587. The Self-Driving Toy Car using ATmega1284 microcontroller
588. Adaptive Cancellation of Periodic 60 Hz Noise using ATmega32
589. Design a Customizable Virtual Keyboard using ATmega32
590. A Wearable Wireless Sensor System using ATmega644V
591. Wall of Pong using ATmega32 microcontroller
592. Self-powered solar data logger using ATmega32
593. The Reflow Soldering Oven with LCD Display using ATmega32
594. RFID security system using ATmega32 microcontroller
595. kaOS operating system and loader using ATmega32
596. Air-Mouse using ATmega32 microcontroller
597. Signal Microcontroller Simulator using AT90S8515
598. AVR Thermometer using AT90S2313 microcontroller
599. Interfacing Atmel AVR with Graphics Liquid Crystal Displays using ATmega32
600. HUB ISP – Solving the USB-Only "Chicken or Egg" Problem using ATMEGA328P
601. GSM Remote Control – GSM Module
602. AVR DDS signal generator V1.0 using ATmega8
603. Minimalist Arduino using ATmega328P microcontroller
604. Batwatch using ATtiny13V microcontroller
605. AT89LP2052 / AT89LP4052 Parallel Port Programmer
606. SD/SDHC Card Interfacing with ATmega8 /32 (FAT32 implementation)
607. FabISP, a fab-able in-system programmer using ATtiny44
608. Arduino-based master clock for schools using ATmega128
609. ATtiny breadboard headers using ATtiny2313
610. Dot Matrix Arduino Clock using ATmega168
611. Tetrapuzz – Tetris clone for AVR using ATmega168
612. HappyJTAG2 – JTAG AND SPI AVR8 interface using ATmega32
613. The Game of Life using ATtiny2313 microcontroller
614. How-To: Super simple serial terminal using ATMEGA128
615. The Prototino™ using ATmega168 microcontroller
616. Sensor Interfacing using ATmega8 microcontroller



617. Cheap and Simple Learning Board using AT89S51
618. Printed circuit board 'Multiuse tiny1' using ATmega8
619. The Tuxgraphics AVR NTP clock using ATmega168
620. Evertool using ATmega16 microcontroller
621. A Portable Battery-Powered Roguelike Video Game using ATmega32
622. Atmel AVR-firmware based universal USB-Interface using ATtiny2313
623. AVR DDS signal generator V2.0 using ATmega16
624. etherrape using ATmega644 microcontroller
625. Stealth USB CapsLocker using Tiny45 microcontroller
626. Video Overlay using ATmega8 microcontroller
627. The WhereAVR using ATmega8 microcontroller
628. HVProg using ATmega8535 microcontroller
629. AvrUsb500 — an open source Atmel AVR Programmer using ATmega8
630. USB controlled DDS signal generator with ATmega88
631. USB AVR in-system Programmer using ATtiny2313
632. Flickr images on a Nokia LCD using ATmega48
633. Atmel AVR Infrared Downloader using ATmega8
634. Testing Device for DiSEqC-Switches using ATtiny13-20PI
635. Mathematical Manipulation of Pure Sine Wave Inverter Using Atmel 89S2051
636. AT89C4051 to work as a Real time clock
637. xTimer with 4094 using ATMEL89C2051 microcontroller
638. AT89C4051 to work as a Real time Digital clock
639. Night Light Saver V6 using AT89C2051
640. xTimer V1.0 using AT89C4051 microcontroller
641. AT89C2051 PROTO BOARD
642. Easy-Downloader V1.1 with SDCC using AT89C2051
643. Easy-DownloaderV1.1 for ATMEL89C2051
644. MakeYour Own Single-Side PCB for Easy-Downloader V1.1 using AT89C2051
645. Experimenting the 2051 withC Programming using 89C2051
646. Night Light Saver V5.0 using AT89C2051
647. Clock ControllerV1.1 using AT89C2051
648. DigiThermo 0-100.0 °C using AT89C4051
649. Solar Power / Panel Inverter – Grid-Intertie Inverter using Attiny45
650. Watch controlled robot using AVR microcontroller
651. Algorithmic 8-bit workshop using ATmega328
652. An electronic dice using ATmega8
653. USB Sensors with ATtiny Microcontrollers
654. DIY Polygraph Mask using ATmega32
655. Homemade VGA Adapter using ATmega644
656. Honey I Shrunk The Arduino using ATmega328p
657. Arduino – Modifying a Robot Arm using ATmega328
658. Virtual Archery using ATmega1284P
659. RSS Reader using ATmega8 microcontroller
660. 4-key keyboard using ATtiny85
661. Enhancing An FM Transmitter's Firmware using ATmega48



662. HexiLogger, an Arduino based data logger using ATmega328
663. How to drive 595 shift registers with ATmega168
664. Head-Controlled Keyboard And Mouse using ATmega32
665. Leonardo Arduino clone a single-sided PCB using ATmega32U4
666. Automated Juice Mixer
667. Temperature and Pressure Control using the AT90S8535
668. Sine Wave Synthesizer
669. RC Car Controller Using Atmel 4414 chip
670. Bar Inventory System: Drinking for Class Instead of Because of Class
671. A m -Controller Based Thermostat Using Atmel AT90S8535 microcontroller
672. Programming the Game Simon
673. Hangman!
674. Eye Snake
675. Clifford Systems J11000 Car Alarm System
676. EE476 Final Project Real-time Debugger By Emre Tezel & Cagdas Ozgenc
677. Automatic Etch-A-Sketch Controller
678. CU Organizer
679. Whack-A-Cap: miniature representation of a popular amusement game
680. Design of a REE476 Final Project: eal-Time Digital Guitar Tuner
681. Autonomous Vehicle
682. EE 476 Final Project Portable MP3 Player
683. EE476 – Final Project Hummer RC Truck
684. Security Entrance System
685. Analog Modem Design Project
686. Larry Pellach and Brian Silverstein
687. Final Project EKG Monitoring System
688. gEECSHip
689. Fertilizer Feed Rate Controller
690. Fish: Video Controller
691. Laser Tag
692. Spring 2002 Gmouse Using Atmel ATMEGA163
693. The Rotating Globe Using Atmel Mega163
694. Digital Music Synthesizer Using Atmel 90s8515 chip
695. MP3 Player Using Atmel Mega103L
696. Safety-sensor vehicle using Mega163
697. Autonomous Car
698. Hard Drive Based AVR Programmer Using Mega163
699. Tic-Tac-Toe on TV Using Atmel Mega163
700. PC-CONTROLLED SCANNING TUNNELING MICROSCOPE Using ATMega163
701. Multi-Zone Fire Alarm System Using Mega32 Microprocessor
702. Sheet Music Generator using Mega32 Microcontroller
703. IntelliBOT Using Mega 32
704. Wireless Drawing Device Using Atmel Mega163
705. Laser Light Show Using Atmega32
706. Gray-scale Graphics: Dueling Ships



707. Cornell Hockey Using Atmel Mega32
708. Tetris Video Game
709. Vehicle Performance Meter Using Atmel Mega32
710. TV Minesweeper Using Atmel MEGA 32
711. Wireless Keyboard Using Atmega32
712. BattleShip Game using Atmel Mega32
713. Sound Effects Processor Using Mega32
714. Radio Control Car using Mega32
715. MIDI synthesizer Using Atmega32
716. Frogger Video Game Using Atmel Mega32
717. Space Fighter Video Game Using ATMega32
718. SpaceInvaders Video Game Using Mega32
719. PacMan Video Game Using Atmel AT90S8515 microcontroller
720. TREASURE HUNT OF THE HIGH SEAS ATMEL MEGA32
721. Memory Video Game Using Atmel Mega32
722. Digital Mirror Message Machine
723. Laser Communications System Using ATMega32
724. Gauntlet of uComputation using Atmel Mega32
725. CubeSat Diagnostics board using Mega128
726. Frequency Division Multiplexing for a Multi-Sensor Wireless Telemetry System Using Atmel MEGA32L
727. Voting Machine Using Atmel Mega32
728. Digital Guitar Tuner
729. Digital voice recorder using Atmel Mega32 microcontroller
730. Digger video game using Atmel Mega32
731. Dual control RC car using Atmel Mega32
732. A Portable Battery-Powered Roguelike Video Game Using Atmel MEGA32
733. MOS 6502 Emulation on an Atmel Mega32
734. PC temperature control using Atmel Mega32
735. RoboDog using ATMega32
736. Variable Traffic Controller
737. Vocal Trainer Using Atmel Mega32
738. Inverted Pendulum Balancer Using Atmel Mega32
739. MIDI DRUM CONTROLLER USING MEGA 32 MICROCONTROLLER
740. Connect Four with Programmable Infrared Receiver Atmel Mega32
741. Super Breakout using Atmel Mega32
742. BlindBot usisng Atmel Mega32 MCU
743. Missile Command video game using Atmega32
744. Blood Pressure Monitor Using Mega32
745. Portable Security System Using ATMega 32
746. Wireless Telemetry using Atmel Mega32
747. A Motion Capture System Using Accelerometers using AVR Mega32
748. A Microcontroller Based Turbidity Meter using AtmelMega32
749. Stepper Motor Indexer & Decoder ECE 476 Using ATmega32
750. Wireless Electromyograph using ATmega32
751. Neural net robot using ATMega32



752. AirMouse using ATMega32
753. WeatherDog Using ATMega32
754. Color Tetris video game using ATMega32
755. The Big Red Juicer using Atmel Mega32
756. The Contender video game using Atmel Mega32
757. Duckhunt video game using Atmel Mega32
758. ECE 476 Spring 2005 by Arthur Zhang (ayz2) and Yewen Ying (ydy2) using atmega32
759. Keyboard mania using Atmega32
760. kaOS operating system and loader using atmega32
761. Tap the Dance using Atmel Mega163
762. Guitar Special Effects Using Atmega32
763. Reversi Video Game Using ATmega32
764. Arkanoid Video Game using Atmega32
765. INFRARED TRACKING SYSTEM USING ATMEGA32
766. Stationary Helicopter Using Atmel Mega32
767. 3D gForce Mouse Using Mega32
768. MISSILE COMMAND USING ATMEL MEGA 32
769. The Big Red Guide Using Atmel AVR Mega32
770. Star Duel video game Using Mega32
771. Wonderswan Development Cartridge Using Atmel Mega32
772. Scorched Earth video game using Atmel Mega32
773. Xylophone Using Mega32
774. Eye in the Sky Security System Using Atmel Mega32
775. TV/Keypad Interface for Winamp Using Atmel MEGA32
776. The Breath-o-Matic Using Atmega32
777. Implementation of a (31, 16) BCH code on a Microcontroller Using Atmega32
778. A Wand Based Barcode Scanner Using Atmel MEGA32
779. Home Security System Using Atmel Mega32
780. Keypaw Using Atmel Mega32
781. SmartBlinds Using Mega32
782. The Ultimate MP3 Radio Using ATMega32
783. Beverage Monitor Using Mega32
784. Handheld Ultrasonic Rangefinder Using Atmel Mega32
785. Pong2 Using Atmel Mega32
786. Electr-O-Sketch Using Atmega 32
787. MiniGolf video game with putter Using Atmel Mega32
788. Digital Compass Using Mega 32
789. Nova Strike video game Using Atmega32
790. TRISHUL -Autonomous navigating robot Using Atmel Mega32
791. Digital Stethoscope Using Atmega32
792. Flat Bed Scanner Using Microcontroller
793. Programmable remote control Using Atmega32
794. Handwriting Recognition System Using Atmel Mega32
795. GoConn Bicycle Computer Using Atmega 32
796. Radial Chalker Using Atmel Atmega32



797. Sign language coach Using Atmega32L
798. The Grillzilla Using ATMega32
799. Capacitance sensor MIDI keyboard Using Atmel mega32
800. SecureLED: Better Access Control Using ATMega32
801. VOICE RECOGNITION SECURITY SYSTEM USING ATEGA32
802. RFID Security System Using Atmel Mega32
803. Galvanic skin response meter using Atmel mega32
804. Ultrasonic spotlight tracker using Atmel mega32
805. Intelligent Multimedia System Atmel mega32
806. Lighting control system Using ATMEL Mega32
807. Self-powered solar data logger Using Atmel Mega32
808. Guitar Synthesizer and Game Using Atmega32
809. Dual Control R/C Car Using Atmega32
810. Machine de Karaoke Using Atmega32
811. Musical Water Fountain Using Atmega32
812. MCU/FPGA color video Game Platform Using Atmel Mega32
813. Cooler-Bot Using Atmel Mega 16L
814. Robotic Vacuum Cleaner Using Atmel Mega32
815. SearchBot Using Atmel Mega32
816. CUsat diagnostic board using Atmel mega32
817. CUAUV Voltage Sniffer Using Atmel Mega32
818. HDD analog clock with LCD touchscreen Using Atmel Mega32
819. AppleII emulator Using Atmel Mega32
820. Touch Screen Controlled R/C Car Using Atmel Mega32
821. Sound Source Triangulation Game Using Atmega32
822. Speech Recognition Jukebox Using Atmega32
823. Graphing calculator Using Atmel Mega32
824. Firefly synchronization Using Atmega32
825. CalcParser Using Atmel Mega32
826. Programmable medication scheduler using atmel mega32
827. Automatic pet feeder Using Atmel Mega32
828. Retractable Alarm Clock (RAC) Using Atmel Mega32
829. Ultrasonic ParKontroller Using Atmel Mega32
830. Braille reader using Atmel mega32
831. USB Magnetic Mouse/Touchpad Using Atmega32
832. iPod controller Using Atmel Mega32
833. Complex impedance analyzer Using Atmega32
834. Morse code interpreter, with speech synthesis Using Atmega32
835. UDP/Ethernet Controlled Temperature Regulator Using Atmega32
836. AirJam: wearable air guitar Using Atmega2
837. MCU MIDI synthesizer using Atmega32
838. Evolving neural robot Using Atmega32
839. Model retina: color tracker Using Atmega32
840. PeanutBot, The Audio Homing Robot Using Atmega32
841. Line-following car Using atmega32



842. Music-controlled Puppet Using Atmega32
843. Movement to Music: A Wearable Wireless Motion Sensor system Using Atmega32
844. Laser Pong Using Atmega32
845. TouchPad video game Using Atmega32
846. A portable, color, tilt-controlled video game system Using Atmega32
847. Radio Frequency Beacon Finder Using Atmel Mega32
848. Wiimote Crane Using Atmega32
849. Snake Arm Glove Project Using Atmega32
850. LaserSimon – An Innovative Take On An Exciting Game Using Atmega32
851. Battle Tank – A 3d Atmega32 Based Video Game
852. Mini-Golf Simulator Using Atmega32
853. SCHEME INTERPRETER USING ATMEGA32
854. Guitar Tuner Using Atmega32
855. Rocket Inertial Navigation System using Atmega32
856. Ghost Writing Robot Using Atmega32
857. Shark Tag Microcontroller Platform Using Atmega32
858. Teaching an old clock Using Atmega32
859. Music Wand: Real-Time Optical Scanning of Sheet Music Using Atmega32
860. TriWheeler robot Using Atmega32
861. Electronic Impact Vest Using Atmega32
862. Help Quit Smoking Watch Using Atmega32
863. ROBOT ARM Using Atmega32
864. Accelerometer Controlled R/C Vehicle Using Atmega32
865. Neural Net Helicopter Using Atmega32
866. Adaptive 60 Hz Noise Cancellation Using Atmega32
867. Automotive On-Board Diagnostics Reader Using Atmega32
868. Data Acquisition System With Controller Area Network and SD Card Using Atmega32
869. Gesture-driven Tetris Using Atmega32
870. 3D Video Game Control Using Atmega32
871. 3D Maze in a Box video game Using Atmega32
872. High Speed Photography Controller Using Atmega32
873. BordFree Using Atmega32
874. 5x5x5 LED Cube – Orientation Independent 3D Display Using Atmega32
875. Virtual Keyboard Using Atmega32
876. Networked Biometric Authentication Using Atmega32
877. Intelligent wireless pedometer Using Atmega32
878. Dueling Banjos Using Atmega32
879. Air Drums Using Atmega32
880. Trumpet MIDI Controller Using Atmega32
881. Rhythm Ring: Interactive Rhythm Sequencer Using Atmega32
882. PowerBox: The Safe AC Power Meter Using Atmega32
883. Robot Plotter Using Atmega32
884. Programmable Synthesized Guitar Using Atmega644
885. Musical Blocks Using Atmel ATmega 644
886. Wii Conductor Using Atmega32



887. Heliostat Skylight Using Atmega644
888. Multisensor Data Transmission Using Atmega32
889. Wireless Music Player Using Atmega32
890. Voice Tuner and its Effects Using Atmega644
891. Laser Audio Transmitter Using Atmega32
892. NES EMULATION USING ATMEGA32
893. ESD Foam Touch Controlled Brick Blaster Using Atmega32
894. Blackout game Using Atmega32
895. Alarm clock with speech synthesis Using Atmega32
896. Programmable RGB Spinning LED Display Using Atmega32
897. Wireless Persistence of Vision Device with Realtime Control Using Atmega644
898. Multiple PID motor controller (with Wiimote!) using Atmega644
899. BalanceBot Using Atmega644
900. The Autonomous Tennis Ball Picker Using Atmega644
901. Autonomous Self-parking car Using Atmega644
902. Weather Canvas Using Atmega644
903. Self-Adjusting Window Shade Using Atmega644
904. GPS Data Logger with Wireless Trigger Using Atmega644
905. Tissue Impedance Digital Biopsy Using Atmega644
906. Dual-Channel Mobile Surface Electromyograph Using Atmega644
907. Fart Intensity Detector Using Atmega644
908. ACL Research: Foot Acceleration Sensor Atmega324p
909. Traction control system Using Atmega644
910. ODB-II Automotive data interface using Atmega644
911. Digital Receipts System Using Atmega644
912. IR harp using Atmega644
913. Der Kapellmeister Using Atmega644
914. Touchpad/Infrared Music Synthesizer Using Atmega644
915. LED Sensor Piano Keyboard Using atmega644
916. Gesture Recognition Based on Scratch Inputs Using Atmega644
917. 3D scanner Using Atmega644
918. 3D ultrasonic mouse Using Atmega644
919. Haptic appointment manager Using Atmega644
920. Ultrasonic Haptic Vision System using Atmega644
921. ATmega644 JTAG Debugger
922. Haptic Exercise Coach Using Atmega644
923. Guitar Blocks Using Atmega644
924. Optical eye tracking Using Atmega644
925. Digital Oscilloscope Using Atmega644
926. Self-Adaptive Hybrid Electro-Magnetic Levitation and Active Balancing System Using Atmega644
927. Home energy management Using Atmega644a
928. Accelerometer Based Hand Action Recognition using Atmega644
929. Mister Gloves – A Wireless USB Gesture Input System Using Atmega644
930. FM Radio Receiver Using Atmega644
931. Point of Sale Terminal Using Atmega644



932. Low-Cost Portable Potentiostat for Biosensing Applications Using Atmega644
933. Zigbee Wireless Relay Control and Power Monitoring System Using Atmega644
934. Adaptive Alarm Clock Using Atmega644
935. Acoustic Data Modem Using Atmega644
936. Flexicopter Using Atmega644
937. Gesture Based Touchpad Security System Using Atmega644
938. Heart Rate Display LED T-Shirt Using Atmega644
939. Talking voltmeter Using Atmega644
940. RFID based Mobile Payment System Using Atmega644
941. RFID sales checkout system Using Atmega644
942. CMOS Camera Rock Paper Scissors Game System Using Atmega644
943. Automated Pavlovian Classical Conditioning of Insects Using Atmega644
944. Automated Rock Band player Using Atmega644
945. USB wireless tilt mouse Using Atmega644
946. Auditory navigator Using Atmega644
947. Human Tetris — Video object tracking Using Atmega644
948. Hand controller for Parrot AR Drone Quadricopter Using Atmega644
949. 3D Paint Using Atmega644
950. XBee RF Smart Energy Compliant Power Meter Using Atmega644
951. Heat Control System Using Atmega644
952. Motion Sensing PowerPoint Controller Using Atmega644
953. Automated grapefruit segmenter Using Atmega644
954. ToneMatrix Touch Sequencer Using Atmega644
955. Sheet Music Notator Using Atmega644
956. Invisible band Using atmega644
957. Human Tracking Fan System Using Atmega644
958. Embedded Foot Pronation Detection Using Atmega644
959. Compact Guitar Pedalboard Using Atmega644
960. Ultrasonic Spheroid Levitation Device Using Atmega16
961. A Keyboard Synthesizer Workstation using Atmega644
962. Sonar SensCap Using Atmega644
963. TI Calculator Wireless Chat Using Atmega644
964. Ear Trainer Using Atmega644
965. Rock-Paper-Scissors Sensor Gloves Using atmega644
966. LED-Following K'NEX Car Using atmega644
967. Step Sequencer Drum Machine Using Atmega644
968. Autonomous visually steered car Using Atmega644
969. A Portable, Automated, web-based Bird Trapping Mechanism Using Atmega644
970. Wireless, web-based, cardiac monitor Using Atmega644
971. Ahhhh...BIU! video game Using Atmega1284
972. Voice decoder for vowels Using Atmega644
973. FaceAccess — A Portable Face Recognition System Using Atmega644
974. DJ Multitouch — A FTIR Touchscreen Device Using Atmega644
975. Rock Band Vocal Bot Using Atmega644
976. A Wireless Programmable Pace Clock Using Atmega644



977. Self-Reliant Power and Data Management System Using Atmega644
978. Autonomous Board Erasing Robot Using Atmega644
979. GPS Tracking Device for Cornell Engineering Quad Using Atmega644
980. Smart Trash system Using Atmega644
981. Ultrasonic Security System Using Atmega644
982. Quadcopter Using Atmega644
983. A Budget Pachinko Machine Using Atmega644
984. Seven day alarm Using Atmega644
985. Remote Controlled DMM With Minimum Mass Wireless Coupler Using Atmega644
986. MAD-DOG Kick-Awesome Wi-Fi Audio Streamer Using Atmega644
987. BrainMap: fNIR imaging of the brain Using Atmega644
988. SousVide immersion cooker using Atmega644
989. Cooking Assistant for Automatic Temperature Control Using Atmega644
990. Heliowatcher solar tracker Using Atmega644
991. Power Manager: Remote Power Control Through LAN using Atmega644
992. Digital Stethoscope Using Atmega644
993. Evolutionary Altitude Control for a Helicopter Using Atmega644
994. Sign language translator Using Atmega644
995. Battle video game Using Atmega644
996. Touchpad Figure Recognition Using Atmega644
997. MicroKart 644 Using Atmega644
998. Auto-composing keyboard Using Atmega644
999. Virtual Saxophone Using Atmega644
1000. Digital Saxophone Using Atmega644
1001. Brain-Computer Interface Using Atmega644
1002. OBD-II Autocross/Track Data Logger for BMW E36 M3 Using Atmega644
1003. Radio Station Tracker Using Atmega644
1004. RoboSLR Using Atmega644
1005. Solar Powered Pulse Oximeter and Heart Rate Meter Using Atmega644
1006. Wireless, voice-controllable, household system Using Atmega644
1007. Ultrasound Gesture Detection Using Atmega644
1008. NFC Secure Data Storage Using Atmega644
1009. Virtuoso: A Touchscreen Music App Using Atmega644
1010. Persistence of Vision Clock Using Atmega644
1011. GPS and compass guided car Using Atmega644
1012. IFF System for Infantry Using Atmega1284
1013. Optical microphone and spectrum analyzer Using Atmega1284
1014. Virtual Archery Using Atmega644
1015. Audio Spectrum Analyzer Using Atmega644
1016. Digital Reversi board using Atmega644
1017. Muscle music control Using Atmega1284p
1018. Multi-functional Music Box Using Atmega1284
1019. Color to Sound Player Using Atmega1284
1020. Hand-Motion Chess Using Atmega1284
1021. Glove Mouse Using Atmega1284



1022. Thermistor Respiratory Monitor Using Atmega1284
1023. Drumming Teaching and feedback device Using Atmega1284
1024. EEG Magic Cat Ears Using Atmega1284
1025. The Air Mouse Using Atmega1284
1026. POV Magic 8 Ball Using Atmega1284
1027. Remote Controlled POV Display Using Atmega1284
1028. NFC Transmitter and Receiver Using Atmega1284
1029. Autonomous Air-Hockey Goalie Using atmega 1284
1030. Low-Budget Laser Projector Using Atmega1284
1031. Scan-E: An optical blood pressure sensor Using Atmega1284
1032. Eye Mouse Using Atmega1284
1033. Precision Cooker: A Temperature Controlled Cooker Using Atmega1284
1034. A Moving Alarm Clock Using Atmega1284
1035. Acoustic Modem Using Atmega1284p
1036. Beacon: A Zero Instruction Navigation Device Using atmega1284
1037. A Touchscreen Chinese Chess App Using Atmega1284
1038. Automated Drink Mixer Using Atmega1284
1039. The Webcam Mouse Using Atmega1284
1040. Servo-Controlled Fire Extinguisher Using Atmega1284
1041. ColdRunner – A Temperature Feedback Running Band Using Atmega1284
1042. Pushup Trainer Using Atmega1284
1043. Gesture Based Security Lock Using Atmega1284
1044. Laser Tag with wireless logging using Atmega644
1045. Stabilized Gimbal System Using Atmega1284
1046. Wireless Pedometer Using Atmega1284
1047. DJ Party: A Collaborative Music Teacher using Atmega1284
1048. GPS Running Watch Using Atmega1284
1049. Infrared Theremin Using Atmega1284
1050. Automobile parking simulator Using Atmega1284
1051. Rock-Paper-Scissors-Spock-Lizard Game Using Atmega1284
1052. Acoustic Impulse Marker Using Atmega1284
1053. Clap-E acoustic tracking robot using atmega1284
1054. Acoustic Wayfinder Using Atmega1284
1055. Ultrasonic Pathfinder Using Atmega1284
1056. The Bat Hat Using Atmega1284
1057. Standalone Atmega328
1058. Speech Synthesis on Atmega128
1059. Homemade singing ATMEGA128
1060. Burning atmega328-pu and atmega328p-pu bootloader
1061. Standalone Arduino / ATmega chip on breadboard
1062. Using Atmega32 with Arduino IDE
1063. Interfacing GY 26 with atmega640
1064. I2C Bus for ATtiny and ATmega
1065. Make yourself a speaking ATMEGA128
1066. RGB Rotary Encoder with PWM and ISRs Using an ATmega328



1067. Atmega16/32 Development Board With LCD
1068. Create yourself a message flasher with ATMEGA128
1069. Use ATmega328 Chip as a Storage Device and Store Text and Images in it
1070. Bootloading and Mounting Arduino Atmega328 – I made it at TechShop
1071. Create yourself ATMEGA128 a simple tone generator
1072. Burn BootLoader into Atmega328P using Arduino Diecimila
1073. Burn Arduino Bootloader on Atmega-328 TQFP and DIP chips on Breadboard
1074. Setup Arduino Software for Atmega328P with Internal Crystal on Breadboard
1075. MultiFunction LED Game Using An ATmega32 Microcontroller
1076. Make yourself a homemade clock with thermometer using ATMEGA128
1077. Playing video on nokia color LCD using an ATmega32
1078. Setup Arduino Software for Atmega328P with Internal Crystal on Breadboard
1079. Electronic Voting Machine using Internal EEPROM of AVR
1080. LCD Scrolling Display Module
1081. How To Write a Simple Bootloader For AVR In C language
1082. How To Use SPM To load Application from EEPROM
1083. How to Use SPM for Flash to Flash Programming
1084. How to Initialize Peripherals from Boot Loader Section
1085. How to Program in Boot Loader Section
1086. Interfacing SD Card with AVR Microcontroller
1087. How to interface GPS with AVR microcontroller (ATmega16)
1088. How to configure Watchdog Timers of AVR Microcontroller (ATmega16)
1089. How to interface serial ADC0831 with AVR microcontroller (ATmega16)
1090. How to take input from a particular pin of ATmega16
1091. How to use I2C / TWI (Two Wire Interface) in AVR ATmega32
1092. How to interface Servo Motor with AVR Microcontroller (ATmega16)
1093. How to interface keypad with AVR microcontroller (ATmega16)
1094. How to interface LED with AVR Microcontroller (ATmega16)
1095. How to use External (Hardware) Interrupts of AVR Microcontroller (ATmega16)
1096. Serial communication (USART) with different frame size using AVR microcontroller
1097. Waveform Generation using AVR Microcontroller (Atmega16) Timers
1098. Phase Correct PWM (Pulse Width Modulation) Mode of AVR microcontroller Timer
1099. How to use fast PWM (Pulse Width Modulation) Mode of AVR microcontroller Timer
1100. SPI (serial peripheral interface) using AVR microcontroller (ATmega16)
1101. How to interface LCD in 4 bit mode with AVR microcontroller
1102. How to disable JTAG of AVR microcontroller
1103. How to use inbuilt analog comparator of AVR microcontroller
1104. How to use internal ADC of AVR microcontroller using interrupts
1105. RFID interfacing with AVR microcontroller (ATmega16) using interrupts
1106. How to interface RFID with AVR microcontroller (ATmega16)
1107. Serial communication with AVR microcontroller using interrupts
1108. How to interface AVR microcontroller with PC using USART (RS232 protocol)
1109. Serial communication (Data receive) using AVR Microcontroller (ATmega16) USART
1110. How to use inbuilt ADC of AVR microcontroller (ATmega16)
1111. Display custom characters on LCD using AVR Microcontroller (ATmega16)



1112. How to display text on 16x2 LCD using AVR microcontroller (ATmega16)
1113. Controlling a BLDC Motor with an ESC
1114. Fingerprint Detection using Microcontroller
1115. Un-interruptible Bench-top DC Power Supply With Display
1116. Mobile – Gesture Controlled Car
1117. Fully Customized Device On/Off Timer
1118. DIY – Waveform Generator using AVR Microcontroller
1119. Sleeping Security – Smart Keypad Lock using AtMega16
1120. Coin Operated Timer Control Power Supply Box to Control AC Appliances
1121. Bluetooth Controlled Portable LED Display
1122. Stepper Motor Angle Control using AVR Microcontroller
1123. Audio Tone Generator using AVR Microcontroller
1124. Atmega32 avr based Drone Quadricopter
1125. Interfacing Triple-Axis Accelerometer with AtMega16
1126. Variable Power Supply with LCD
1127. Light Tracker Demonstration
1128. Cell Phone Controlled Pick and Place Robot
1129. GSM Based AC Appliance Control
1130. GSM Based Intruder Alerting System
1131. DC Motor Control with Joystick & AVR Microcontroller
1132. Intelligent LED light controller using AVR
1133. 4 Wire Touch Screen Based Digital Magic Slate
1134. Interfacing 16X2 LCD to AVR Microcontroller
1135. Speed and Direction Control of DC Motor using AVR Microcontroller
1136. LED Light Bulb Controller using AVR Microcontroller
1137. Digital Clock using Seven Segment Display and ATMega16
1138. Accelerometer Based Hand Gesture Controlled Robot
1139. Speed and Direction Control of Stepper Motor using AVR Microcontroller
1140. Controlling RGB LED colour using Atmega16
1141. Latitude & Longitude Display System Using GPS & AVR Microcontroller
1142. embRACE: The Embedded Race
1143. DIY: Retro Style Analog Volt Meter using Servo Motor
1144. Fastest Finger First Circuit using ATMega16
1145. AVR I/O Ports
1146. How to Interface a GSM (SIM 300) Modem with ATmega32 to Send and Receive SMS
1147. Interfacing 4-wire Resistive Touchscreen with ATMega16 Microcontroller
1148. Smart Home Automation using AVR
1149. Interfacing Serial Bluetooth Modem with Computer using ATmega16
1150. Attendance System using AVR and RFID
1151. Digital Book Cricket with ATtiny 85
1152. LCD/switch interface
1153. Clock/temperature LED display
1154. Dot matrix display
1155. Relais Driver Board
1156. Electronic cricket



1157. Photocell or LDR
1158. PC stepper motor driver
1159. Running LED's
1160. Running LED's using ATtiny2313
1161. Temperature indicator
1162. LED VU meter
1163. Stepper motor driver
1164. RGB LED color mixer
1165. LCD interface
1166. LED thermometer
1167. Running LED bicolor
1168. Clock/temperature LED display
1169. AVR Chronograph from concept to PCB
1170. AVR Dual RGB Matrix Driver
1171. Microwave Controller using ATmega8 – AVR Project
1172. Simple Single Motor Control using AVR ATmega16
1173. Microwave Controller using ATmega8 – AVR Project
1174. Ultrasonic Rangefinder HC-SR04 Interfacing with ATmega8
1175. GSM Module SIM300 Interface with AVR Amega32
1176. Temperature Controlled DC Fan using Microcontroller
1177. Biometric Attendance System Circuit
1178. PWM Based DC Motor Speed Control using Microcontroller
1179. Density Based Traffic Signal System using Microcontroller
1180. Line Follower Robot using Microcontroller
1181. Sun Tracking Solar Panel
1182. Street Lights that Glow on Detecting Vehicle Movement
1183. Auto Intensity Control of Street Lights
1184. RFID Based Attendance System – Circuit, Working, Source Code
1185. Digital Temperature Sensor Circuit
1186. 2 Digit Up/Down Counter Circuit
1187. DTMF Controlled Home Automation System Circuit
1188. Water Level Indicator
1189. Interfacing 16X2 LCD to AVR Microcontroller
1190. Automatic Railway Gate Controller with High Speed Alerting System
1191. Boolean Algebra Calculator
1192. Working with TWI (I2C) sensors / Devices
1193. Interfacing Analog Joystick with AVR ATmega32
1194. Atmega Alarmclock & Thermohumidity meter
1195. Alarm clock Using Atmega-328 and RTC
1196. Program an ATmega168/328 with codebender
1197. ATmega DIP40 Minimal Board
1198. Getting Started With the ATMega328P
1199. How to fix dead atmega and attiny avr chips
1200. Running an HD44780 Display off the ATmega on a Gertboard
1201. Digital Wall clock Using Atmega-8 and RTC



1202. Easy Technique for Bootloading Atmega328pu and Atmega328p-pu# Xolcano
1203. Remote controlled switch using Atmega 328p
1204. Flames effect with a 8×8 LED Matrix and ATmega328
1205. Small Footprint ATmega328P Board
1206. Arduino atmega644/1284 clone
1207. Atmega168 TV-B-Gone
1208. DigiPot – Rotary Encoder Digital Potentiometer
1209. ATmega64 Development Board
1210. EGYduino – Arduino compatible board
1211. AT89C2051 Development Stick
1212. Controlling a BLDC Motor with an ESC
1213. Atmega 32u4 Based USB Data Logger (Part 23/25)
1214. Scrolling Text Display on 8×8 LED Matrix using AVR Microcontroller
1215. Make Your Own Homemade Arduino Board with ATmega328 Chip
1216. 8×8 LED Matrix Interfacing with AVR Microcontroller
1217. How to establish UART communication between ATmega8 and Arduino Uno?
1218. Introduction to Octocoupler and Interfacing with ATmega8
1219. Alarm Clock using ATmega32 Microcontroller
1220. Fire Alarm System using AVR Microcontroller
1221. Light Intensity Measurement using LDR and AVR Microcontroller
1222. 100mA Ammeter using AVR Microcontroller
1223. Anti-Theft Alert System using ATmega8 Microcontroller
1224. Joystick Interfacing with AVR Microcontroller
1225. Flex Sensor Interfacing with AVR Microcontroller
1226. 4×4 Keypad Interfacing with ATmega32 Microcontroller
1227. Touch Keypad Interfacing with ATmega32 Microcontroller
1228. Distance Measurement using HC-SR04 and AVR Microcontroller
1229. 0-25V Digital Voltmeter using AVR Microcontroller
1230. RFID Based Voting Machine
1231. Temperature Measurement using LM35 and AVR Microcontroller
1232. 0-99 Counter using AVR Microcontroller
1233. RFID Based Toll Plaza System
1234. Microcontroller Based Electronic Voting Machine
1235. Automatic Staircase Light
1236. Power LED Dimmer using ATmega32 Microcontroller
1237. Interfacing LCD with ATmega32 Microcontroller
1238. LED Blinking with ATmega32 Microcontroller
1239. Arduino Robotic Arm
1240. Final Project: built a sous-vide immersion cooker
1241. Lab: DC Motor Control Using an H-Bridge
1242. Weeks 11-12: AVR USB Devices and Programming
1243. Obstacle Avoiding Robot using AVR ATmega32 – Part II
1244. Running TX433 and RX433 RF modules with AVR microcontrollers
1245. Servo motor control using AVR
1246. ATmega16 AVR Microcontroller Seven Segment Digital Clock



1247. Remote Temperature Monitoring using GSM – AVR Project

1248. How to interface RFID with AVR ATmega32 microcontroller

1249. Working with Atmel AVR Microcontroller Basic Pulse Width Modulation (PWM) Peripheral

1250. Color Video Game on AVR

1251. Week 11: Networking with ESP8266

1252. Worry-Free Automatic Timed Plant Feeder

1253. How to Interface an External EEPROM with AVR Atmega32

1254. How to Establish A PC-Micro controller USART communication

1255. LCD Interfacing with AVR

1256. An AVR-Based Microstepping Bipolar Chopper Stepper Motor Driver (STMD)

1257. Atmel AVR ATmega16 Interfacing With 16x2 char LCD

1258. PWM Motor Driver with MOSFET H-Bridge and AVR ATmega8

1259. A simple brushless sensored motor driver for AVR Atmega

1260. Cheap CO2 meter using the MQ135 sensor with AVR ATmega

1261. A web configurable Xively logger, build on AVR ATmega328

1262. CT Sensor on AVR ATmega

1263. A DIY A4 Laser Engraver made from a scanner and a printer on ATmega328

1264. InLinea01: A PID controlled line following robot build on an ATmega 8

1265. Drive a stepper motor with acceleration and deceleration using an Allegro driver on ATmega8

1266. AVR 16bit Stereo Wave Player

1267. CMR Robot Arm

1268. Reading temperature on AVR Atmega using a thermistor with NTCtemp library 02

1269. CT Sensor on AVR ATmega

1270. Building a Wifi Radio – Part 7, Building an LCD Display

1271. Week 11: Networking with ESP8266

1272. AVR Thermostat

1273. AVR HVSP Fuse Resetter

1274. RFID based security system using AVR ATmega32 microcontroller

1275. Veronica – VRAM

1276. RSS Reader using AVR mega8

1277. USB AVR programmer

1278. A Pickup Winding machine built on an ATmega8

1279. SD card logger library with log rotation that fits on ATmega8

1280. A simple Sound Pressure Level Meter (SPL) dB audio meter using AVR ATmega

1281. A led matrix Mask built on AVR ATmega8

1282. An AVR Atmega based PID magnetic levitator

1283. A simple brushless sensorless motor driver for AVR Atmega

1284. AVR Atmega dehumidifier controller board, update

1285. An optical dust meter that uses the GP2Y1010AU0F sensor library made with AVR Atmega

1286. An AVR Atmega LCD Menu builder library

1287. Irradiance/Illuminance Meter using TLR235R sensor with AVR Atmega

1288. AVR Atmega audio input RMA using FFT Radix-4

1289. AVR ATtiny USB Tutorial Part 2

1290. Capacitive Touch with Atmel's AT42QT1070 Touch Sensor IC

1291. Touchpad Figure Recognition



1292. Autocross/Track day Data Logger for BMW E36 M3
1293. Ultrasonic range-finder with haptic feedback
1294. Drums Anywhere: solution to making a great drum beat Using 3D-printed boxes
1295. Doppler Radar for Collision Avoidance
1296. Single Chip Computer: Easy to Produce AVR BASIC Co
1297. Using Maxim DS1307 Real Time Clock with Atmel AVR Microcontroller Using Atmega32
1298. Updating electricity meter to communicate via WLAN
1299. Open Programmer – USB programmer for PIC, EPROM, ATMEL, SPI
1300. Custom PCB for Lights, Temperature, Video OSD and VTX PSU upgrades to HKing Rattler RC Car
1301. Attiny85 As a Step/Dir Stepper Motor Controller
1302. Atmega 32u4 Based USB Digital Voltmeter
1303. Atmega 32u4 Based USB Controlled Servo Motor
1304. Atmega 32u4 Based USB Controlled LED Series
1305. Atmega 32u4 Based USB EEPROM Reader
1306. Atmega 32u4 Based USB Musical Keyboard
1307. Atmega 32u4 Based USB Speaker
1308. Atmega 32u4 Based Wireless USB Mouse
1309. Atmega 32u4 Based LED Status
1310. Atmega 32u4 Based Wireless USB Keyboard
1311. LM35 Temperature Sensor Interfacing with ATmega32 and LED Display
1312. Password Protected BT136 Triac based Keypad Controlled Wireless Home Automation System with ATmega32 using 433MHz RF-I
1313. Accelerometer and Relay based Hand Gesture Controlled Wireless Home Automation System with ATmega32 using 433MHz RF
1314. AVR uartConfig – an atmega and arduino eeprom config library
1315. DS1307 RTC based Digital Clock Designing in 12 Hour Format with ATmega32 and 7-Segment Display
1316. Accelerometer based Hand Gesture Controlled Wheel Chair with ATmega32 for Physically Handicapped
1317. 3-axis Accelerometer Sensor-ADXL335 Interfacing with ATmega32
1318. 4X4 Keypad based Password with ATmega32 and LCD Display
1319. 4X4 Keypad based Password with ATmega16 and LED Display
1320. 4X4 Keypad Interfacing with ATmega32 and LED Display
1321. Analog to Digital Converter of ATmega32 with LED Display
1322. An advanced energy saver project with DTMF capabilities to use electricity efficiently by reducing the unwanted uses.
1323. Graphical LCD Text Display
1324. Interfacing rotary encoder to Atmega32
1325. Blinking LED using Atmega32 Microcontroller and Atmel Studio
1326. Interfacing LCD with Atmega32 Microcontroller using Atmel Studio
1327. Interfacing DC Motor with Atmega32 Microcontroller
1328. Interfacing Servo Motor with Atmega32 Microcontroller
1329. Stepper motor control with an ATmega8 microcontroller
1330. Microwave Controller using ATmega8 – AVR Project
1331. Working with AVR microcontroller Communication Port Project
1332. Using Transistor as a Switch
1333. Working with the Comparator Circuit
1334. Using Serial Peripheral Interface (SPI) Master and Slave with Atmel AVR Microcontroller
1335. Integrating Wiznet W5100, WIZ811MJ network module with Atmel AVR Microcontroller



1336. Interfacing GSM Module with Atmega32 AVR microcontroller
1337. How to use I2C-bus on the Atmel AVR Microcontroller
1338. The LED Chasing Effect Project using Atmel AVR Microcontroller
1339. Telepresence Robot using Microchip PIC16F1829 and Atmel AVR ATmega168 I2C Smart DC Motor Controller Microcontroller – Part 2
1340. Building the I2C Smart DC Motor Controller with Atmel AVR Microcontroller – Part 1
1341. Build your own stopwatch using Maxim MAX7219 Serially Interfaced, 8-Digit LED Display Drivers
1342. Developing Embedded Application with BASIC Language on the Microchip PIC18F Microcontroller using the Amicus18 Development system
1343. Transforming your AVR Microcontroller to the I2C or TWI Slave I/O Expander Project
1344. Build Your Own Microcontroller Based PID Control Line Follower Robot (LFR) – Second Part
1345. Controlling DC motor with AVR ATtiny13 PWM and ADC Project
1346. AVR LCD Thermometer Using ADC and PWM Project
1347. AVR Twinkle Twinkle Using PWM Project
1348. Atmel AVR ISP Microcontroller Programmer Project
1349. Introduction to AVR Microcontroller Pulse Width Modulation (PWM)
1350. AVRJazz Mega168/328 Learning and Development Board
1351. Analog to Digital Converter AVR C Programming
1352. DS1307 RTC Interfacing with AVR microcontroller
1353. 16×2 LCD interface with microcontroller
1354. Token number display system using microcontroller
1355. Fingerprint based security system
1356. Bluetooth based home automation
1357. AVR Microcontroller based Temperature Monitoring and Control System
1358. Password based door locking system
1359. GSM Based Fire Alarm System
1360. GSM Based Home Automation
1361. Intelligent temperature monitoring and control system using AVR microcontroller
1362. ATmega32 blinking LED Lights
1363. ATmega32 Switch Toggle Program
1364. Automatic plant watering system using AVR(ATmega16) Microcontroller
1365. Door/Window alarm circuit
1366. Volt-Amp meter using AVR microcontroller
1367. Digital Clock using AVR Atmega16 Microcontroller
1368. LCD Interface with Atmega32 AVR microcontoller for beginners
1369. Creating Pac man custom patterns and animation in LCD display
1370. Tutorial on printing image in Graphical LCD (GLCD) using Atmega32
1371. AVR Serial Communication (UART) Programming tutorial
1372. Digital Thermometer using AVR, LM35 and 16×2 LCD
1373. Darby's not dead.
1374. Personal Home Assistant
1375. Bionic Organs/Devices/Limbs Wireless Charging
1376. XBee Walkie Talkie
1377. Make your own remote temperature/humidity sensor
1378. Sigfox Talking Plant



1379. Arduboy Solar Charge Controller, Inverter, PowerBank, Lamp
1380. Goldilocks Analogue Synthesizer
1381. Yet Another Z180 (YAZ180) Project
1382. The Tinusaur Project
1383. wozItDo: Tiny IQ puzzel, BIG challenge
1384. DIY Canon IR Remote
1385. Markov Music Box
1386. Bluetooth remote controllable (Lego) cars
1387. Coil Winding machine counter with Atmega8 and Reed relay
1388. Taiko Trainer
1389. Playing Simon On A Hacked Farm Toy
1390. Goldilocks Analogue – Prototyping 3
1391. Scrumtato: Make Daily Stand-Ups Agile Again
1392. Light-Up Poker Chip
1393. Open Source IoT Platform
1394. 3D-Printed RGB Wallet
1395. SSD1306xLED Tinusaur ATtiny85 Library for SSD1306
1396. Bootload Your ATtiny85
1397. Tri-Mode Digital Clock with ATtiny85 and RTC
1398. Gimmick on Barebones Arduino 16MHz
1399. Reducing Arduino Power Consumption
1400. Arduino Without External Clock Crystal on ATmega328
1401. Franzino is a low cost Arduino standalone board
1402. Programming ATtiny85 with Arduino Uno
1403. nRF24L01+ with ATtiny85 3 Pins
1404. Tinker's Word Clock – REVISITED! NOW 110% more AWESOME
1405. OLED on the Cheap!
1406. POV Cylinder with Arduino Due
1407. Physical computing with ATtiny
1408. Cellular Data Logger
1409. ThiDom Home automation
1410. OH HAI! on Windows 10 IoT Core
1411. Basic Servo Motor Controlling with Microchip PIC Microcontroller
1412. Basic User's Experiment Notes
1413. Build Your Own Microcontroller Based PID Control Line Follower Robot (LFR) – Second Part
1414. Using Push Button Switch with Atmega32 and Atmel Studio
1415. LED Driver MAX7219 – clock
1416. servo motor controller
1417. LED Mood light
1418. ATTiny 2313 BOARD
1419. ATmega328 Board
1420. Home Appliance Control over Mobile Network
1421. Control Electrical Appliances from Android Smart Phone using Bluetooth : Project Construction
1422. Control Electrical Appliances from Android Smart Phone using Bluetooth : Project Construction
1423. P10 LED Display Panel Interface with AVR ATmega8



1424. LED Dot Matrix Room Temperature Display using P10 and ATmega8

1425. Making a LED Message Display with Keyboard Interface

1426. Fastest Finger First Quiz Project using ATmega16

1427. An AVR microcontroller based Ethernet device

1428. Introduction to Arduino UNO (uses AVR ATmega328)

1429. Make your own AVR JTAG debugger

1430. How to drive 595 shift registers with AVR hardware SPI

1431. How to make an Arduino Pro Mini bare bones with Real-time Clock

1432. Analogue to Digital Conversion on an ATmega168

1433. PIR motion sensor interface with AVR-microcontroller ATMEGA32

1434. Input Devices

1435. The simplest digital voltmeter with AVR

1436. Configuring and using XBEE wireless modules

1437. Nokia5110 graphical display interfacing with AVR ATmega16/ATmega32

1438. Micro-controller Programming on a Bread Board

1439. Atmega8 based Voltmeter Ampmeter v2

1440. Minimal Arduino with ATmega8

1441. First steps with micro controllers (ATMega8)

1442. hd44780 Character LCD Displays – Part 2

1443. How to make Automatic Charger for a 7Ah Battery

1444. Atmel ATmega Video generator with SDRAM

1445. Servo Motor Control by Using AVR ATmega32 Microcontroller

1446. How to control DC motor speed using PWM on Atmega32

1447. Interfacing Ultrasonic Rangefinder with AVR MCUs – AVR Tutorial

1448. AVR ATmega32 Mini Development Board – Interfacing LCD

1449. Programming ATMEGA32 (or Any Other AVR) Using Arduino IDE

1450. Arduino LFO Waveform Generator V2

1451. AVR-based Sensor Keyboard

1452. An NRF24L01+ and FTDI Ready Atmega 328P-PU (3.3V, 500 MA) Microcontroller With Dual Power Capability, Undervoltage, Hysteresis, and Thyristor-Crowbar Overvoltage Protection

1453. A digital DC powersupply

1454. ATmega8 Line Follower Robot (LFR) Project – Part 2/2

1455. DC motor interfacing with AVR ATmega16/ATmega32

1456. RFID Based Toll Collection System

1457. Auto No Break Power Supply Control

1458. Power factor measurement using Atmel AVR Micro-Controllers

1459. Using AVR Studio – My first C++ code

1460. UV Sensor ML8511 AVR Atmega library

1461. Interfacing GSM Module with AVR Microcontroller: Send and Receive Messages

1462. Interfacing RF module with Atmega8: Communication between two AVR Microcontrollers

1463. Interfacing HC-05 Bluetooth module with AVR Microcontroller

1464. Make Your Own WiCard WiFi Module on a Breadboard

1465. ATmega16 Analog-Looking Digital Clock Project

1466. MultiPurpose Atmel Development Boards Project

1467. Keypad Door Lock using AVR Microcontroller – Atmega16



- 1468. Bluetooth Home Automation using AVR and Android App
- 1469. Interfacing LCD Module with AVR in 4-Bit Mode
- 1470. Simple LED Projects Using AVR Microcontroller
- 1471. How to work with the ADC unit of an AVR Micro-controller
- 1472. How to Work With 32K crystal and AVR Microcontroller
- 1473. Frequency counter circuit
- 1474. Standard Library & String Formatting for AVR
- 1475. Handling the Digital Input Output in AVR Micro Controllers
- 1476. Avr Atmega8 Microcontroller – An Introduction
- 1477. AUTOMATIC FEEDING MACHINE WITH CD-ROM MECHANIC
- 1478. ATMEL ARDUINO COLORED CONNECTION CHART
- 1479. ATMEGA8 FT232R USB ESR METER CIRCUIT
- 1480. NIXIE TUBE THERMOMETER CIRCUIT
- 1481. Digital Soil Moisture Meter
- 1482. Ultrasonic Radar Model Using Microcontroller ATmega128
- 1483. ATMEGA48 TIMER TRIGGERED BY CURRENT FLOW ASM-010

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