

## Projects

---

1. Arduino Mega 2560
2. Implementing Discrete Fourier Transform in Atmega32 to make an audio spectrum analyzer
3. Generating AUDIO ECHO using Atmega32 microcontroller
4. Running PYTHON (pymite-09) on an Arduino MEGA 2560 using atmega16 micrcontroller
5. Drawing geometric figures on a PAL TV using ATmega32 (128×64 resolution)
6. AVR based monochrome signal generation for a PAL TV using atmega16 micrcontroller
7. An attempt to show grayscale images on an LED dot matrix display with software PWM using PIC16F877A
8. Multitasking in AVR (A demo to run 7 tasks on an atmega32)
9. TV remote controller 160KHz High Quality Stereo MMC WAV player using ATMEGA32
10. DIY AVR Programmers
11. NOKIA 3310 LCD interfacing with ATmega8
12. 4×4 Matrix Key-board Interfacing with ATmega32
13. My own AVR ISP programmer using PIC16f877a and python!
14. 4 bit interfacing of a 16X2 LCD display to PIC16F877A, Atmega16/32 & MSP430
15. Simple PWM DC motor control using MOSFET H-Bridge with AVR ATmega8
16. Delta Robot using atmega32 micrcontroller
17. CNC Update 2 Using atmega32 microcontroller
18. EPROM Display using ULN2308A microcontroller
19. Thermometer using DS1621 and Nokia 3310 LCD interfaced with ATmega8
20. 8×8 Bicolor LED Matrix using MAX6964
21. UV Exposure Unit & Etching
22. microSD ATmega32 Data-Logger
23. 4×4 LED Display
24. Ultrasonic range finder using ATMega8515
25. microSD FAT32 testing using Visual C++
26. LPH7319 controlled via I2C
27. SD/SDHC Card Interfacing with ATmega8 /32 (FAT32 implementation)
28. Capacitance and Inductance meter using Atmega8
29. Make-Yourself ATmega32 Starter's Kit with LCD, I2C, SPI, RTC, ADC interfaces
30. Digital Voltmeter using Microcontroller Atmega8
31. Digital dimmer using Microcontroller atmega8
32. DS1307 based Clock using lcd
33. ATTiny Board For AVR ATTiny microcontrollers
34. Traffic light controller using avr microcontroller
35. Scientific Calculator using AVR Microcontroller
36. Thermometer with Clock using ATmega16



37. ISD4004 based voice recorder
38. DC Motor Speed Control using PWM
39. Measure negative temperature with Lm35
40. Box with a Music Lock using ATmega328P Microcontroller
41. Picopter using Microcontroller ATmega128RFA1
42. Using the 8Pin ATTINY programming shield with an external clock
43. Hack a Toaster Oven for Reflow Soldering using ATmega32 microcontroller
44. How to drive a lot of LEDs from a few microcontroller pins.
45. Turn a TV-B-Gone into a super camera remote
46. Using AtTiny2313 microcontroller Build an electronic polyhedral die
47. Using max7219 microcontroller Build an electronic score keeper/storage box
48. Starry Ceiling for Kids Bedroom Using AT90S8538 microcontroller
49. DIY TiX Clock using ATMEGA16 AVR microcontroller
50. Using ATmega328 Microcontroller Custom Tron Disc Mod
51. USB PCB Business Card Using ATtiny85 Microcontroller
52. Ghetto Pixels – Building an open source BlinkM Using ATTiny45 Microcontroller
53. LED wind indicator Using atmega8 Microcontroller
54. Make an automatic plant light using ATTiny26 Microcontroller
55. ATTiny2313 Board RS232
56. Transform a cheap RC Transmitter with Custom Firmware using ATMEGA64 Microcontroller
57. Simple calculator using avr microcontroller Atmega16
58. Graphical LCD with KS108 controller
59. Stepper motor Control with Atmega16
60. Digital Melody player using atmega16 microcontroller
61. SMT160 based Temperature indicator
62. Temperature controlled fan using PWM microcontroller
63. LCD Display On Glass Interface Using AT2313
64. 8 MHz frequency meter using AVR microcontroller
65. LCD Interface Board Using ATTiny2313
66. LCD Message Display Using AT Mega8 microcontroller
67. MMC card based WAV player using atmega32
68. AVR GPS Locator using avr microcontroller
69. LCD Thermometer LM35 Using AT Mega8
70. LCD Thermometer TCN75 Using ATTiny2313
71. LCD Thermometer TCN77 Using AVR Microcontroller
72. PC Steppermotor Driver Using AT2313  $\mu$ -controller
73. PC Thermometer Using ATTiny2313
74. Real Time Clock ATmega16
75. Multipattern Running light using ATtiny2313 microcontroller
76. Bluetooth Based Smart Home using atmega8 microcontroller
77. 8x8 Dotmatrix Scrolling LED display using atmega8515 microcontroller
78. Real Time Clock PCF8583 Using AVR microcontroller
79. DS1820 Temperature Controller using atmega8515 microcontroller
80. Relais Board Using AT2313
81. Stepper motor Driver Using AT2313 microcontroller



82. Temperature Indicator Using attiny2313 micrcontroller
83. ATTiny2313 Multi-mode LED Matrix Clock
84. An Absolute Beginner's Guide to 8-Bit AVR Programming-AVR Dragon
85. Cellphone Operated Robot Using Microcontrollers
86. How to Read Many Switches with One MCU Pin
87. How To Use a Nokia Color LCD using an AVR
88. Charlieplexing 7 segment displays using Microcontroller
89. Rainbow glowing ping pong Using ATting 13
90. Lampduino – an 8×8 RGB Floor Lamp
91. How to get started with Eclipse and AVR
92. Build your own Wifi radio using Microcontroller ATmega16
93. Yet Another Daft Punk Coffee Table (5×5 LED Matrix)
94. Numitron clock & thermometer using Microcontroller atmega48
95. Mechanized Android Figure using Microcontroller ATtiny44A
96. Rechargeable Battery Capacity Tester using Microcontroller ATMega168
97. Music Playing Alarm Clock using Microcontroller AT90USB1286
98. USB controlled home automation hack using Microcontroller ATmega8
99. Power your Arduino/AVR with a Hand-Cranked Battery
100. Debugging AVR code in Linux with simavr using Microcontroller ATTiny85
101. LED Binary Calculator using Microcontroller ATtiny2313
102. Make a 8×10 L.E.D Matrix using the Arduino and 4017 decade counter
103. The Multi-format Clock – Gift contest
104. Infrared Proximity Sensing Coffee Table Module & Color Changing Glowing Faucet using Microcontroller ATMEGA48
105. LED Cube 4x4x4 using Microcontroller Atmega16
106. Atmel Xmega USB/Serial Arbitrary Waveform Generator
107. Color Changing Digital PC Fan Controller using Microcontroller ATMega168
108. LED Scrolling Dot Matrix Font & Graphics Generator 5×8 5×7 8×8 using the AVR ATtiny2313 and AVRStudio
109. Servo Controlled Labyrinth using Microcontroller ATmega32
110. Ghetto Programming: Getting started with AVR microprocessors on the cheap.
111. A sunrise and sunset lamp with LEDs
112. Build your own (cheap!) multi-function wireless camera controller using Microcontroller AVR ATMega8
113. AVRSH: A Command Interpreter Shell for Arduino/AVR.
114. LED Microcontrolled Stained Glass Firefly Pendant using Microcontroller ATTiny45 chip
115. How To Communicate With An Alien Artifact or . . .
116. Swiss AVR Knife using Microcontroller ATtiny84
117. How to choose a MicroController
118. LED Hanukkah Menorah using Microcontroller ATtiny13
119. Buggy – A Crafty Programmable LED Creature using Microcontroller Atmel Attiny44v
120. DIY Electronic Birthday Blowout Candles
121. Faraday For Fun: An Electronic Batteryless Dice using Microcontroller ATTiny13
122. AVR32 Development Board at Home
123. Charlieplexing 7 segment displays using Atmel Tiny26 microcontroller
124. LED matrix using shift registers
125. The Arduino LED Cube using LED microcontroller
126. Synchronizing Fireflies using Microcontroller ATtiny13



127. Adding ICSP header to your Arduino/AVR board using ISP10PIN microcontroller
128. Led dimmer 2 channels using Attiny13 microcontroller
129. Getting started with ubuntu and the AVR dragon using atmega8 microcontroller
130. Guia para programar uC AVR – Dark Side Electronics using AVR microcontroller
131. How to add more Outputs to your Microcontroller using 74HC595 microcontroller
132. AVR mini board with additional boards using attiny2313 microcontroller
133. Low speed AVR oscilloscope V2.00 (Is updated on 19 Mar 2011)
134. Using Arduino to communicate with embedded project using AVR ATMEGA microcontroller
135. Build a Complete AVR System and Play Mastermind Using Microcontrollers
136. Stripboard Arduino using ATmega168 microcontroller
137. LoveBox – The box of love using ATtiny2313 Microcontroller
138. Making a set of traffic lights Using Arduino
139. Power Your Arduino From Your Car using AVR microcontroller
140. AVR LCD Namebadge Using ATtiny2313
141. How to Read Binary/Hex Thumbwheel Switch with an AVR Microcontroller using ATmega328p microcontroller
142. Instalacion del controlador USBasp (USBasp drivers setup) – Dark Side Electronics using AVR microcontroller
143. Micro controller programming: Making a set of traffic lights using Microcontroller ATTiny2313
144. ISP 6 pin to 8 Pin Socket Using ATTiny45
145. ATtiny programming with Arduino
146. Repair dead AVR's – Attiny fusebit doctor (HVSP)
147. Connecting Nokia 3310 LCD to USB using AVR
148. 16-key Keypad Decoding with an AVR MCU
149. I2C Bus for ATtiny and ATmega168
150. Jar of Fireflies using AVR ATTiny45 Microcontroller
151. Getting started with VMUSIC2
152. Hacking your Digg Button with a Removable Interface Cable using AVR
153. Programmable LED using Atmel ATtiny13v Microcontroller
154. How to use an LED Array Module using AVR
155. Fire-free LED Matchstick Using a Tiny13 microcontroller
156. Tiny AVR Microcontroller Runs on a Fruit Battery
157. Direction Aware Messaging LED Spin Top
158. VUSBTiny AVR SPI Programmer Using ATtiny85
159. Development system for PIC and AVR microcontrollers
160. Augmenting a Microcontroller using AVR
161. FanBus Digital Fan and LED Interface for PC using ATmega168 microcontroller
162. New Jar of Fireflies
163. USB RFID Reading Keyboard using USnooBie
164. Ghetto Development Environment Using Microcontrollers
165. A protective case for the Atmel AVR Dragon using AVR
166. Telnet to your Arduino/AVR!
167. How To Make A Grounding Wrist Band
168. AVR/Arduino RFID Reader with UART Code in C
169. Watch futurama on an 8x8 pixel screen using atmega168 microcontroller
170. Debugging AVR code in Linux with simavr
171. Apple-style LED pulsing using a \$1.30 MCU using ATTiny85 microcontroller



172. Slaveflash-trigger for digital cameras with Attiny24
173. Getting started with LCD's and Microprocessors
174. Drive a Stepper Motor with an AVR Microprocessor using ATTiny2313 microcontroller
175. Electronic Tic-Tac-Toe with RGB LEDs
176. Build the Penguin game system using ATmega32/644 microcontroller
177. Power Your Arduino From Your Car
178. DIY Digital Thermometer Using ATmega8
179. How to Read Binary/Hex Thumbwheel Switch with an AVR Microcontroller
180. Instalacion del controlador USBasp (USBasp drivers setup) – Dark Side Electronics
181. Open Source Temperature Controller- Appliance Heat Exchanger
182. Annoying Beeper using Microcontroller ATtiny13
183. Direction Aware Messaging LED Spin Top using Tiny44 microcontroller
184. Programming adapter from 10 pin to 6 pin for AVR's
185. Getting started with LCD's and Microprocessors using ATmega8
186. Build a Complete AVR System and Play Mastermind using ATmega328p microcontroller
187. External device control (i.e. coffee machine).
188. Slaveflash with Attiny24 ver. 2.0
189. Fun Hackable Speaker Timer using ATmega328 microcontroller
190. Assembling the Dragon Rider 500 for use with the AVR Dragon using ATmega88 microcontroller
191. Assembling the ZIFduino USB 1.2 using ATMEGA168 microcontroller
192. Beginner's Guide – AVR Programming
193. Arduino powered hangman giftbox/lockbox using ATmega328 microcontroller
194. Use Google Voice Search through Arduino & Bluetooth
195. Smoke & Fume Absorber
196. GuGaplexed Valentine LED Heart using ATTiny13V Microcontroller
197. Turn Your Arduino Into an ISP
198. The Household Informer using atmega168 microcontroller
199. Laser Tripwire takes a Photo, Uploads it to Twitter
200. Use Visual Studio 2010 to Compile AVR Hex Files using AVR microcontroller
201. Using the iRobot Create's Command Module with Linux using avr microcontroller
202. Arduino animatronics- make your awesome costumes more awesome! using ATmega328 microcontroller
203. Control Electronics using an Arduino and Infrared LEDs
204. How to have fun with Arduino (and become a Geek in the process)
205. Arduino R/C Lawnmower (painted) using Atmega168 microcontroller
206. The Word Clock – Arduino version using ATmega168 microcontroller
207. Light for life: Glowing button cycling jacket
208. A credit card sized Ethernet Arduino compatible controller board using ATmega168 microcontroller
209. Superb DIY Retro Lighting Design
210. Wi-Fi Enabled Coil Gun with iPhone App
211. Magnetic Levitation using the Arduino
212. Gmail and RSS Notifiers using the Arduino
213. Secret Knock Detecting Door Lock
214. Wireless Altoids Display
215. Temperature Control For Kitchen Appliances
216. How To Smell Pollutants



217. How to connect Arduino and RFID
218. Mushroom Environment Control – Arduino Powered
219. Arduino Watch Build Instructions
220. Digital Window Sticker (Arduino Controlled) using ATmega328 microcontroller
221. Interface a rotary phone dial to an Arduino
222. Arduino Powered Binary Clock using ATmega168 microcontroller
223. Arduino All-in-One Getting Started Guide
224. The Arduino Weather Station / Thermostat using ATmega328 microcontroller
225. Control a Schlage electronic deadbolt with an arduino!
226. Garduino: Gardening + Arduino
227. Garduino Upgrade, Now with more Twitter!
228. How to make a multi-layered acrylic and LED sculpture with variable lighting levels
229. Ardu-pong! the Arduino based pong console
230. Arduino Laser Tag – Duino Tag
231. The 4x4x4 LED cube (Arduino)
232. Arduino and Touchpad Tic Tac Toe using microcontroller
233. Interfacing ATmega32 with an LCD and a DAC
234. Make a Web Connected Robot (for about \$500) (using an Arduino and Netbook)
235. The Lightning Simulator/Breathalyzer/Graphic Equalizer – Using Arduino Powered
236. Arduino XMAS hitcounter using AVR microcontroller
237. Arduino magnetic stripe decoder using microcontroller
238. Arduino EMF (Electromagnetic Field) Detector
239. Using a Dot Matrix LED with an Arduino and Shift Register
240. The 74HC164 Shift Register and your Arduino using GD74HC164 microcontroller
241. Turn signal biking jacket using microcontroller
242. Ard-e: The robot with an Arduino as a brain using microcontroller
243. Build Your Own BARBOT using AVR microcontroller
244. Custom Tron Disc Mod using ATmega328
245. Vintage Toothbrush Timer using ATmega328p
246. Turn a TV-B-Gone into a super camera remote!
247. Singing Pumpkins/ Arduino using microcontroller
248. How to program a AVR (arduino) with another arduino using atmega168 microcontroller
249. How to control a 16x2 LCD using an AVR ATtiny2313
250. Creating a charlieplexed LED grid to run on ATTiny85
251. How to program a AVR (arduino) with another arduino using attiny2313 microcontroller
252. Make a breadboard adapter for your AVR microcontroller using attiny2313
253. How to use the Dragon Rider 500 with your AVR Dragon using ATtiny2313 microcontroller
254. Getting Started with Atmel AVR and BASCOM using attiny26 microcontroller
255. Door Activated LED Lighting using Hall Effect Sensors using Attiny85 microcontroller
256. Music Playing Alarm Clock using ATmega644 microcontroller
257. Jar of Fireflies using AVR ATTiny45 microcontroller
258. Programming Arduino Bootloader without Programmer using ATmega168 microcontroller
259. \$1.50 Arduino TV Annoyer!! (Turns TVs on when you want them off) using microcontroller
260. Soldering an SMT MOSFET Driver with a hotplate using microcontroller
261. The \$9 Quasi-duino (Almost-duino) using ATmega328 microcontroll



262. \$10 ATtiny85/45 POV display!! (works really well)
263. How to use a 74HC595 Shift Register with a using AVR ATtiny13 microcontroller
264. Autonomus Wall Following Obstacle Avoiding Arduino Rescue Bot
265. Arduino FTDI Header using ATmega8 microcontroller
266. Power your Arduino/AVR with a Hand-Cranked Battery using ATmega8 microcontroller
267. Rechargeable Battery Capacity Tester using ATmega168 microcontroller
268. YAFLC (Yet Another Flickering LED Candle) using Tiny45 microcontroller
269. 3 Easy Holiday Gifts using ATTiny microcontroller
270. Ambient Light Gift Badge using ATTiny13 microcontroller
271. Color Sensor using Atmega16 microcontroller
272. Control Anything with one AVR pin using Attiny2313 microcontroller
273. Mini RGB Light Cube using AVR microcontroller
274. Wireless Accelerometer Controlled rgb-LED's using atmega168 microcontroller
275. AVR acoustic spectrum analyzer using Atmega8 microcontroller
276. Intelligent temperature monitoring and control system using AVR microcontroller
277. Building a digital light meter with a calibrated LDR using Atmega8 microcontroller
278. An universal programming adapter for the Atmel STK500 using AVR microcontroller
279. A complete starter guide to AVRs using attiny2313 microcontroller
280. Atmega8 measures ambient temperature and relative humidity using HSM-20G sensor
281. Portal "Still Alive" on using ATmega16 microcontrollers
282. ISP Breadboard Header using AVR microcontrollers
283. The simple joule thief using AVR microcontrollers
284. Halloween Robot using Attiny microcontrollers
285. Reading Switches with using Attiny microcontrollers
286. Blinking, Singing, Marioman using Attiny microcontrollers
287. Development Board With LCD using Atmega16 microcontrollers
288. Build an AVR Xmega Prototyping Board using AVR microcontrollers
289. Tetris and Snake with one AVR using Atmega168 microcontroller
290. Easy Data Logger with Virtual USB using ATtiny45 microcontroller
291. 50 MHz range frequency counter using ATtiny45 microcontroller
292. AVR based remote controlled fan regulator
293. Open Source USB AVR Programmer for Students and Hobbyists using Atmega8 microcontroller
294. AVR displays body temperature on a Nokia 3310 LCD using Atmega8 microcontroller
295. Automate lights in your kitchen area using ATTiny84 microcontroller
296. Experimental board using ATTiny2313 microcontroller
297. USB business card with a computer chip board using ATtiny85 microcontroller
298. Open source color video game development system based on AVR
299. AM radio transmission using AVR using Atmega324 microcontroller
300. Digital oscilloscope GLCD using Atmega32 microcontroller
301. VGA monitor tester using ATTiny2313 microcontroller
302. Portable 2.4 GHz Spectrum Analyzer using Atmega8 microcontroller
303. AVR digital clock with white seven segment LED display using ATtiny26 microcontroller
304. A multifunction digital meter using Atmega128 microcontroller
305. A physical display device for website visitors based on Atmega168
306. Turn your TV into a Digital Voltmeter using Atmel's AVR 90S1200 microcontroller



307. Multi-channel temperature logger using Atmega48 microcontroller
308. Cellphone controlled robot vehicle using ATmega16 microcontroller
309. Looking for expanding RAM for your Atmega128
310. Power Supply using AVR microcontroller
311. LC Meter using AVR microcontroller
312. Oscilloscope using AVR microcontroller
313. 2 Bit u Stepper using microcontroller
314. Dimmer using ATTiny2313 microcontroller
315. Door Opener using ATTiny2313 microcontroller
316. Beamer Control using attiny2313 microcontroller
317. Programmer using ATMEGA8 microcontroller
318. Programmer UsbAsp using AVR microcontroller
319. Power usage monitor using Atmel AVR using Atmega168 microcontroller
320. Kitchen Timer using ATTiny2313 microcontroller
321. Tea Timer using ATTiny2313 microcontroller
322. Monochrome Composite Video using Atmega8
323. Easy Breadboarding using ATMega microcontroller
324. Dotmatrix using ATtiny2313 microcontroller
325. AVR Based CRO using Atmega16 microcontroller
326. PCM Audio Based Door Bell using Atmega32 microcontroller
327. Temperature Sensor Using ATmega8 and display using LCD(16x2)
328. 6 LED Knight Rider using ATtiny22 microcontroller
329. 8 LED Knight Rider using AVR microcontroller
330. 16 LED Knight Rider using 74HCT138 microcontroller
331. Helianthus: The Solar Tracking System using ATmega16 microcontroller
332. DS1802 Digital Volume Control using microcontroller
333. DS1669 Digital Potmeter UP/DOWN using microcontroller
334. 93C66 EEPROM chip with an AVR microcontroller
335. Advance Fire Alarm through Mobile Phone using microcontroller
336. Head-Controlled Keyboard And Mouse For Disabled, using AVR and ATmega32 microcontroller
337. TIL311 / INL0397-1 Hexadecimal Display usning AVR microcontroller
338. Programming AVR ATxMega using USBasp and ATxmega microcontroller
339. Controlling 7-segments LED displays using AVR microcontroller
340. Simple USB AVR programmer, USBasp using ATmega8 microcontroller
341. Pinning LCD display 1601 using microcontroller
342. Open Source AVR Temperature Controller using ATmega48 microcontroller
343. A GLCD connected to an AVR microcontroller using ATmega8 microcontroller
344. 3D Color LED Graphics Display using ATmega32 microcontroller
345. AVR Based Operating System using ATmega32 microcontroller
346. Switching between Red, Green and Blue (or Blue1 or/and Blue2 for an RGBB type) using AVR microcontroller
347. Modular User Interface System using ATmega88 microcontroller
348. Controlling SpeakJet with an AVR microcontroller using ATmega88 microcontroller
349. Controlling internal DAC AT90PWM3 using microcontroller
350. White 7-segments clock ATtiny26
351. AVR assembly language





352. SP12 serial programmer software
353. Low-cost AVR programmer
354. Wireless Internet Radio Receiver using AT90CAN128 Microcontroller
355. AVR Switch Timer using ATmega8 Microcontroller
356. 5 Channel USB Analog Sensor with AVR using ATmega48 Microcontroller
357. AVR Based Car Diagnostic Tools using ATmega169
358. AVR Thermocouple Temperature Meter using ATmega164 microcontroller
359. Auto Sensing Sous-Vide Cooker using AVR microcontroller
360. Ultrasonic Security System using Atmega644 microcontroller
361. TinyRealTime, Small Real Time Kernel for AVR using atmega644 microcontroller
362. STK500 Compatible ISP using AVR microcontroller
363. AVR High Voltage Programmer Using Arduino AVR microcontroller
364. AvrX, Real Time Kernel using AVR microcontroller
365. AVR Touchpad Handwriting Recognition using ATmega644 microcontroller
366. AVR Wide Range LC,F, ESR Meter using AVR ATmega88PA-PU microcontroller
367. AVR Based Mobile Phone using AVR ATmega128A microcontroller
368. AVR Ultrasonic Spheroid Levitation Device using ATMega16 microcontroller
369. Clever Clapper using ATtiny2313 microcontroller
370. Mini Logic Analyzer using ATmega8 microcontroller
371. AVR LED Candle using ATtiny85 microcontroller
372. Handy Password Managing System, Lord of the Keys using AVR ATmega168
373. Speaking Calculator using AVR ATmega88 microcontroller
374. AVR Security Keypad Lock using ATtiny2313 microcontroller
375. Simple Automatic Battery Discharge Analyzer using ATmega48 microcontroller
376. Rechargeable Battery Capacity Tester using ATMega168 microcontroller
377. Electric Spinning Wheel using ATmega8 microcontroller
378. AVR Code Debugger using AVR microcontroller
379. AVR Data Logger with MicroSD using ATmega32 microcontroller
380. Ear Trainer using ATMega644 microcontroller
381. Low Picofarad Capacitance Meter ATtiny2313 microcontroller
382. DC Servomotor Controller System Meter using ATtiny2313 microcontroller
383. AVR Digital Hum Nuller using ATmega168 microcontroller
384. Wireless Human Health Monitor using ATmega644 microcontroller
385. Energy Monitoring Transmitter using Atmega328 microcontroller
386. AVR Power Usage Logger using ATmega168 microcontroller
387. AVR Music Player with Alarm Clock using AT90USB1286 microcontroller
388. Interfacing TCS3200 Colour Sensor with AVR ATmega32
389. SMS Based Voting System – AVR GSM Project using ATmega32 microcontroller
390. Line Following Robot using AVR ATmega8
391. PS2 Keyboard Interface with AVR MCU using ATmega8 microcontroller
392. AVR ATmega8 Project LED Moving Message Display using ATmega8 microcontroller
393. PC Controlled Robot using ATmega32
394. Visualize ADC data on PC Screen using USART AVR Project using microcontroller
395. AVR RGB LED and Sound Show using ATmega168 microcontroller
396. ATmega8 Based Multi channel IR Remote



397. ATmega8 Based Smart Code Lock
398. ATmega8 based RPM Meter
399. Remote Controlled Fan Regulator using ATmega8 microcontroller
400. Relay Timer with ATmega8 AVR MCU
401. Digital Stop Watch with ATmega8 using microcontroller
402. EPROM adapter for ATMEL 89 Series Flash Microcontroller Programmer Ver 2.0
403. Java virtual machine for the Atmel AVR ATmega8
404. AVR Compiler toolchain for MAC using ATmega8 microcontroller
405. Wireless Lan for AVR microcontrollers
406. Acceleration sensing USB interface using Atmega8 microcontroller
407. i2c interface to USB interface using attiny45 microcontroller
408. 80x32 LED matrix display using ATmega32 microcontroller
409. RCEN fuse programmer using AT90S1200A microcontroller
410. RF 2 channel remote control 418MHz using AVR microcontroller
411. SMS control 4 way remote control relays using ATtiny2313 microcontroller
412. 10 Bit analog to digital converter using ATtiny26 microcontroller
413. USB AVR programmer using ATtiny2313 microcontroller
414. Midi Generator using ATtiny26-8PI microcontroller
415. VGA Monitor adaptor using AVR microcontroller
416. AVR LCD Microcontrolled Oscilloscope using ATmega32 microcontroller
417. LCD Car Accelerometer using microcontroller
418. Atmel avr usb programmer using ATMEGA8 microcontroller
419. Lux meters attiny26-16 light measurement circuit using attiny26 microcontroller
420. Atmel atmega128 clock ds1307 tda5410 hard disk using atmega128 microcontroller
421. Heart of LEDs using microcontroller
422. Atmel Bascom avr 8051 project, the circuit archive using AT89S8252 microcontroller
423. Atmel atmega projects I35 heat time display keypad using ATMega microcontroller
424. AVR terminal for serial port using TSOP1738 microcontroller
425. Atmel AT89C2051 hardware keyloggers circuit with using AT89C2051 microcontroller
426. Nixie Clock with AVR using ATmega48 microcontroller
427. Packet Radio using AVR microcontroller
428. 8 channel LCD Teperature meter using microcontroller
429. Frequency counter using AVR microcontroller
430. Computer controlled marquee at90s2313 74hc595
431. PC Temperature Meter using ATtiny15 microcontroller
432. Atmel Avr Project Circuit Archive 360 MB using ATmega8 microcontroller
433. Capacitance Meter using AVR microcontroller
434. AT89C52 DS1302 DS18B20 LCD On Time-Temperature
435. AVR Programmer with ATMega8-16
436. 8 Channel PWM using AVR microcontroller
437. 89C517 Segment Display using the Digital Time
438. Morse Code Alarm Clock using ATtiny2313 microcontroller
439. 1 KHz Synchronous Detector using AVR microcontroller
440. PWM Waveform Capture using AVR microcontroller
441. Analog Multiplexer using AVR microcontroller



442. ATtiny12 fuse restorer using microcontroller
443. EEPROM Driver for AVR with RAM using ATtiny15 microcontroller
444. Decoding 4 buttons with two I/O's on AVR using ATtiny12 microcontroller
445. Multimeter with Atmel using Atmega8-16pu microcontroller
446. Computer connected Flower Water Circuit using ATmega8 microcontroller
447. Atmel Test Card using ATmega32 microcontroller
448. 100 MHz RF oscillator using ATtiny12 microcontroller
449. Dot Matrix Display Applications using AT89C2051 microcontroller
450. LCD Date Time Application using AT89S52 microcontroller
451. G1216B1N000 dot graphics display using AT90S2313 microcontroller
452. Serial interface with 2X16 LCD display using ATmega8515 microcontroller
453. Color Sensor Circuit with AT89S52 ADC0808
454. Led Animation Circuit with PC Connectivity using AT90S2313 microcontroller
455. About Atmel and Combination Lock Application using AT90S2313 microcontroller
456. Temperature Sensor Thermometer using AT89C51 and DS1621 microcontroller
457. Control Relay Card with USB port Atmel using Atmega8 microcontroller
458. AVR LED RF Field Strength using microcontroller
459. LC Resonant Frequency Meter using AVR microcontroller
460. Digital Telemetry using ATmega8 microcontroller
461. RF Field Strength meter using AVR microcontroller
462. Wireless Coupler Terminal Interface using AVR microcontroller
463. 89Sxx Development Board using microcontroller
464. PCB Exposure Box with Countdown timer using ATMEGA8 microcontroller
465. EPROM adapter for ATMEL 89 Series Flash Microcontroller Programmer
466. Ponyprog Circuit for ATMEL'S AVR using microcontroller
467. Ponyprog Circuit for AVR & PIC16F84 using microcontroller
468. Interfacing DRAM Memory using AVR microcontroller
469. GSM GPS module shield for Arduino
470. An Even Better LC Meter Based on the AVR ATTINY861
471. A Pretty Good LC Meter Based on the AVR using ATTINY2313 Microcontroller
472. A SIMPLE MANUAL CURVE TRACER using microcontroller
473. Photocell Amplifier using microcontroller
474. A 10 Bit LED Digital Panel Meter With Auto Ranging Based On The ATMEGA8
475. An Isolated Adjustable Auto transformer using microcontroller
476. MAX038-Based Sweep/Function Generator With Markers using AVR ATtiny2313 microcontroller
477. A Noise Generator per IEC 268-1, IEC 268-5, and IEC 268-7
478. A 1 Khz Digital Sine Wave Signal Source using ATmega8515 microcontroller
479. Battery Checker Circuits using microcontroller
480. LC Determination by Resonant Frequency Measurement using microcontroller
481. RF Inductance Meter using microcontroller
482. HF/VHF/UHF TEST OSCILLATOR using microcontroller
483. A Little More Serious Frequency Meter using ATtiny2313 microcontroller
484. Preamp and 330 + MHz Prescaler for A Little More Serious Frequency Meter using microcontroller
485. Analog audio panel for PC using ATmega328 microcontroller
486. RS-232 Freq. Meter/Pulse Generator Based on Atmel ATtiny2313 using microcontroller



487. A Pretty Good Wattmeter For Bench Use using microcontroller
488. MMC/SD/SDHC AVR Interface using ATmega8 microcontroller
489. TRUE RMS-TO-DC Adapter For DVM using microcontroller
490. I2C Tiny USB using ATtiny45 microcontroller
491. Dutchtronix AVR Oscilloscope Clock using Atmega328 microcontroller
492. A Microcontroller Based Digital Lock-In Milliohmmeter using ATtiny2313 microcontroller
493. PHduino pH Meter Using Arduino
494. HF AC Millivoltmeter Adapter using microcontroller
495. Cellphone Operated Robot using ATmega16 AVR microcontroller
496. Precision Audio Frequency Peak Detecting Probe using microcontroller
497. A Field Strength Meter Using A Biased Schottky Detector using microcontroller
498. Broadband RF Field Strength Probe using Atmel AT90S1200A AVR controller
499. Minimum Mass Waveform Capture and Display using AT90S2313 microcontroller
500. Simple LM335 Thermometer using microcontroller
501. A Portable Precision Voltage Reference using microcontroller
502. AC Current Probe for Oscilloscopes
503. Low Capacitance Scope Probe Adapter
504. White LED Drive Circuit using Tiny microcontroller
505. Attention-Getting Auxiliary Warning Light Flasher/Driver
506. 1 Watt White LED Power Supply Circuit for battery operation
507. Single and Two Cell White LED Drivers Without Inductors
508. Remote Controlled (R/C) Airplane LED Flasher using ATTINY12 microcontroller
509. FAST PRECISION LED DRIVER
510. Series Connected Voltage Boost Circuit for a Battery Operated LED Lantern
511. A White LED Night Light Design
512. White LED Battery Powered Power Failure Light
513. White LED Stroboscope
514. A 1.5 Volt, 1970's Style LED Flashing Red Caboose Marker Light using tiny microcontroller
515. Simplest LED Flasher Circuit
516. A serial interface for the Truly MTC-C162DPLY-2N using ATmega8515
517. Circuit and firmware to support Seiko-Epson G1216B1N000 dot graphics display using ATtiny2313
518. Multifunction 330 MHz Remote Control With an ATTINY2313 Simulating the PT2264 Encoder
519. ATtiny12 fuse restorer using microcontroller
520. How to drive 595 shift registers with AVR hardware SPI using ATmega168 microcontroller
521. AVR-GCC LCD library – mixed pin support using Atmega328P
522. Temperature sensor with time and date display on graphical LCD using Atmega32
523. Interfacing rotary encoder to Atmega32
524. Running TX433 and RX433 RF modules with AVR microcontrollers using Atmega8
525. Programming AVR ADC module with WinAVR using Atmega8 microcontroller
526. Simple signal drawing on graphical LCD routines using Atmega8 microcontroller
527. Output number when button is pressed using Atmega16 microcontroller
528. AVR-GCC 4 bit and 8 bit LCD library using ATmega8 microcontroller
529. Measuring motor speed and display result on LCD using ATmega8 microcontroller
530. Simplified AVR LCD routines using ATmega8 microcontroller
531. AVR LCD menu routine using ATmega8 microcontroller



532. Servo motor control using Atmega8 microcontroller
533. 4x4 keypad example using AVR-GCC C language
534. AVR Programmer using ATTINY2313 microcontroller
535. ATMEL AVR ATmega 8535/16/32 and ATMEL AT89S5x Family Learning Kit
536. Data Acquisition System using ATmega8
537. Project Development Board using ATTiny2313 microcontroller
538. RFID Checkout System Design using ATmega644 microcontroller
539. The Self-Driving Toy Car using ATmega1284 microcontroller
540. Adaptive Cancellation of Periodic 60 Hz Noise using ATmega32
541. Design a Customizable Virtual Keyboard using ATmega32
542. A Wearable Wireless Sensor System using ATmega644V
543. Wall of Pong using ATmega32 microcontroller
544. Self-powered solar data logger using ATmega32
545. The Reflow Soldering Oven with LCD Display using ATmega32
546. RFID security system using ATmega32 microcontroller
547. kaOS operating system and loader using ATmega32
548. Air-Mouse using ATmega32 microcontroller
549. Signal Microcontroller Simulator using AT90S8515
550. AVR Thermometer using AT90S2313 microcontroller
551. Interfacing Atmel AVR with Graphics Liquid Crystal Displays using ATmega32
552. HUB ISP – Solving the USB-Only "Chicken or Egg" Problem using ATMEGA328P
553. GSM Remote Control – GSM Module
554. AVR DDS signal generator V1.0 using ATmega8
555. Minimalist Arduino using ATmega328P microcontroller
556. Batwatch using ATtiny13V microcontroller
557. AT89LP2052 / AT89LP4052 Parallel Port Programmer
558. SD/SDHC Card Interfacing with ATmega8 /32 (FAT32 implementation)
559. FabISP, a fab-able in-system programmer using ATtiny44
560. Arduino-based master clock for schools using ATmega128
561. ATtiny breadboard headers using ATtiny2313
562. Dot Matrix Arduino Clock using ATmega168
563. Tetrapuzz – Tetris clone for AVR using ATmega168
564. HappyJTAG2 – JTAG AND SPI AVR8 interface using ATmega32
565. The Game of Life using ATtiny2313 microcontroller
566. How-To: Super simple serial terminal using ATMEGA128
567. The Prototino™ using ATmega168 microcontroller
568. Sensor Interfacing using ATmega8 microcontroller
569. Cheap and Simple Learning Board using AT89S51
570. Printed circuit board 'Multiuse tiny1' using ATmega8
571. The Tuxgraphics AVR NTP clock using ATmega168
572. Evertool using ATmega16 microcontroller
573. A Portable Battery-Powered Roguelike Video Game using ATmega32
574. Atmel AVR-firmware based universal USB-Interface using ATTiny2313
575. AVR DDS signal generator V2.0 using ATmega16
576. etherrape using ATmega644 microcontroller



577. Stealth USB CapsLocker using Tiny45 microcontroller
578. Video Overlay using ATmega8 microcontroller
579. The WhereAVR using ATmega8 microcontroller
580. HVProg using ATmega8535 microcontroller
581. AvrUsb500 — an open source Atmel AVR Programmer using ATmega8
582. USB controlled DDS signal generator with ATmega88
583. USB AVR in-system Programmer using ATtiny2313
584. Flickr images on a Nokia LCD using ATmega48
585. Atmel AVR Infrared Downloader using ATmega8
586. Testing Device for DiSEqC-Switches using ATtiny13-20PI
587. Mathematical Manipulation of Pure Sine Wave Inverter Using Atmel 89S2051
588. AT89C4051 to work as a Real time clock
589. xTimer with 4094 using ATMEL89C2051 microcontroller
590. AT89C4051 to work as a Real time Digital clock
591. Night Light Saver V6 using AT89C2051
592. xTimer V1.0 using AT89C4051 microcontroller
593. AT89C2051 PROTO BOARD
594. Easy-Downloader V1.1 with SDCC using AT89C2051
595. Easy-DownloaderV1.1 for ATMEL89C2051
596. MakeYour Own Single-Side PCB for Easy-Downloader V1.1 using AT89C2051
597. Experimenting the 2051 withC Programming using 89C2051
598. Night Light Saver V5.0 using AT89C2051
599. Clock ControllerV1.1 using AT89C2051
600. DigiThermo 0-100.0 °C using AT89C4051
601. Solar Power / Panel Inverter – Grid-Intertie Inverter using Attiny45
602. Watch controlled robot using AVR microcontroller
603. Algorithmic 8-bit workshop using ATmega328
604. An electronic dice using ATmega8
605. USB Sensors with ATtiny Microcontrollers
606. DIY Polygraph Mask using ATmega32
607. Homemade VGA Adapter using ATmega644
608. Honey I Shrunk The Arduino using ATmega328p
609. Arduino – Modifying a Robot Arm using ATmega328
610. Virtual Archery using ATmega1284P
611. RSS Reader using ATmega8 microcontroller
612. 4-key keyboard using ATtiny85
613. Enhancing An FM Transmitter's Firmware using ATmega48
614. HexiLogger, an Arduino based data logger using ATmega328
615. How to drive 595 shift registers with ATmega168
616. Head-Controlled Keyboard And Mouse using ATmega32
617. Leonardo Arduino clone a single-sided PCB using ATmega32U4
618. DigiPot – Rotary Encoder Digital Potentiometer
619. Introduction to Octocoupler and Interfacing with ATmega8
620. Light Intensity Measurement using LDR and AVR Microcontroller
621. 100mA Ammeter using AVR Microcontroller



- 622. Joystick Interfacing with AVR Microcontroller
- 623. 4x4 Keypad Interfacing with ATmega32 Microcontroller
- 624. RFID Based Voting Machine
- 625. RFID Based Toll Plaza System
- 626. Microcontroller Based Electronic Voting Machine
- 627. How to interface RFID with AVR ATmega32 microcontroller
- 628. How to Establish A PC-Micro controller USART communication
- 629. AVR HVSP Fuse Resetter
- 630. AVR uartConfig – an atmega and arduino eeprom config library

[Like](#) 21K people like this. [Sign Up](#) to see what your friends like.

---

