

## 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 microcontroller
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 microcontroller
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 microcontroller
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 8x8 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 (5x5 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 8x10 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 5x8 5x7 8x8 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 AVRs
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 microcontroller

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 using 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. 80×32 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 Temperature 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. DIY mobile phone – Create your own mobile phone
520. Minimum Mass Wireless LCD Display using ATtiny2313 microcontroller

521. Low cost RF for simple data link and remote control using ATtiny12 microcontroller
522. RS-232 to 100 MHz RF desktop channel adapter using ATtiny2313 microcontroller
523. Frequency Meter with 100 MHz RF desktop channel using ATtiny2313 microcontroller
524. 1750 Meter Lowfer Band amplitude modulated RF source using ATtiny2313 microcontroller
525. A Superhet/Direct Conversion AM receiver for 181.818 kHz using Attiny2313
526. AttoBasic HOME using Atmega168 microcontroller
527. Longboard Wheel Display using AVR microcontroller
528. AVR mod player using ATmega325 microcontroller
529. Minimum Mass Waveform Capture using AVR microcontroller
530. Audio Spectrum Monitor using S1D15200 microcontroller
531. DS interface test tool using ATtiny2313 microcontroller
532. Real Time Clock/Calendar/Alarm with Interpreter for battery backed-up and battery powered operation with DS interface using ATtiny12
533. AvrPhone using ATmega128 microcontroller
534. 3 channel, 8 bit EEPROM DAC with DS interface using ATtiny12 microcontroller
535. LED Matrix Display using TD62783 microcontroller
536. ATtiny12 fuse restorer using microcontroller
537. How to drive 595 shift registers with AVR hardware SPI using ATmega168 microcontroller
538. MP3 Player using ATmega128 microcontroller
539. PS/2 to C64 Mouse Adapter using ATmega8 microcontroller
540. LED Menorah using ATtiny13 microcontroller
541. How to control Stepper Motor using AT89C51 Microcontroller
542. LED DOT Matrix Pong using ATmega16 Microcontroller
543. Arduino VGA via Interrupts using AVR Microcontroller
544. BUILD A SIMPLE SERIAL PROGRAMMER FOR AVR DEVICES using ATtiny2313 Microcontroller
545. Making a USB based AVR Programmer using ATMEGA8 Microcontroller
546. LED Dog Collar using ATTINY2313 Microcontroller
547. Prime Calculator is Complete using ATmega8 Microcontroller
548. Barker Code-Locked Loop Synchronous Demodulator using ATtiny2313 microcontroller
549. DIY USB password generator using ATtiny Microcontroller
550. Nikon Camera Remote Control using ATtiny13 Microcontroller
551. Door Chime Privacy Sentry using Attiny12
552. Multichannel USB Analog Sensor using ATmega48 Microcontroller
553. On/Off Controller – Interfacing Touch LCD LC7981 using ATmega Microcontroller
554. Remote Control based Robot using C language
555. Led Blink Code – Hello World Led using atmega16 in C
556. AVR-GCC LCD library – mixed pin support using Atmega328P
557. Temperature sensor with time and date display on graphical LCD using Atmega32
558. Interfacing rotary encoder to Atmega32
559. Running TX433 and RX433 RF modules with AVR microcontrollers using Atmega8
560. Programming AVR ADC module with WinAVR using Atmega8 microcontroller
561. Simple signal drawing on graphical LCD routines using Atmega8 microcontroller
562. Output number when button is pressed using Atmega16 microcontroller
563. AVR-GCC 4 bit and 8 bit LCD library using ATmega8 microcontroller
564. Measuring motor speed and display result on LCD using ATmega8 microcontroller
565. Simplified AVR LCD routines using ATmega8 microcontroller
566. AVR LCD menu routine using ATmega8 microcontroller
567. Servo motor control using Atmega8 microcontroller
568. 4x4 keypad example using AVR-GCC C language
569. AVR Programmer using ATTINY2313 microcontroller
570. ATMEL AVR ATmega 8535/16/32 and ATMEL AT89S5x Family Learning Kit
571. Data Acquisition System using ATmega8
572. Project Development Board using ATTiny2313 microcontroller
573. RFID Checkout System Design using ATmega644 microcontroller

574. The Self-Driving Toy Car using ATmega1284 microcontroller

575. Adaptive Cancellation of Periodic 60 Hz Noise using ATmega32

576. Design a Customizable Virtual Keyboard using ATmega32

577. A Wearable Wireless Sensor System using ATmega644V

578. Wall of Pong using ATmega32 microcontroller

579. Self-powered solar data logger using ATmega32

580. The Reflow Soldering Oven with LCD Display using ATmega32

581. RFID security system using ATmega32 microcontroller

582. kaOS operating system and loader using ATmega32

583. Air-Mouse using ATmega32 microcontroller

584. Signal Microcontroller Simulator using AT90S8515

585. AVR Thermometer using AT90S2313 microcontroller

586. Interfacing Atmel AVR with Graphics Liquid Crystal Displays using ATmega32

587. HUB ISP – Solving the USB-Only “Chicken or Egg” Problem using ATMEGA328P

588. GSM Remote Control – GSM Module

589. AVR DDS signal generator V1.0 using ATmega8

590. Minimalist Arduino using ATmega328P microcontroller

591. Batwatch using ATtiny13V microcontroller

592. AT89LP2052 / AT89LP4052 Parallel Port Programmer

593. SD/SDHC Card Interfacing with ATmega8 /32 (FAT32 implementation)

594. FabISP, a fab-able in-system programmer using ATtiny44

595. Arduino-based master clock for schools using ATmega128

596. ATtiny breadboard headers using ATtiny2313

597. Dot Matrix Arduino Clock using ATmega168

598. Tetrapuzz – Tetris clone for AVR using ATmega168

599. HappyJTAG2 – JTAG AND SPI AVR8 interface using ATmega32

600. The Game of Life using ATtiny2313 microcontroller

601. How-To: Super simple serial terminal using ATMEGA128

602. The Prototino™ using ATmega168 microcontroller

603. Sensor Interfacing using ATmega8 microcontroller

604. Cheap and Simple Learning Board using AT89S51

605. Printed circuit board ‘Multiuse tiny1’ using ATmega8

606. The Tuxgraphics AVR NTP clock using ATmega168

607. Evertool using ATmega16 microcontroller

608. A Portable Battery-Powered Roguelike Video Game using ATmega32

609. Atmel AVR-firmware based universal USB-Interface using ATTiny2313

610. AVR DDS signal generator V2.0 using ATmega16

611. etherrape using ATmega644 microcontroller

612. Stealth USB CapsLocker using Tiny45 microcontroller

613. Video Overlay using ATmega8 microcontroller

614. The WhereAVR using ATmega8 microcontroller

615. HVPprog using ATmega8535 microcontroller

616. AvrUsb500 — an open source Atmel AVR Programmer using ATmega8

617. USB controlled DDS signal generator with ATmega88

618. USB AVR in-system Programmer using ATtiny2313

619. Flickr images on a Nokia LCD using ATmega48

620. Atmel AVR Infrared Downloader using ATmega8

621. Testing Device for DiSEqC-Switches using ATtiny13-20PI

622. Mathematical Manipulation of Pure Sine Wave Inverter Using Atmel 89S2051

623. AT89C4051 to work as a Real time clock

624. xTimer with 4094 using ATMEL89C2051 microcontroller

625. AT89C4051 to work as a Real time Digital clock

626. Night Light Saver V6 using AT89C2051

627. xTimer V1.0 using AT89C4051 microcontroller

628. AT89C2051 PROTO BOARD

629. Easy-Downloader V1.1 with SDCC using AT89C2051

630. Easy-DownloaderV1.1 for ATMEL89C2051

631. MakeYour Own Single-Side PCB for Easy-Downloader V1.1 using AT89C2051

632. Experimenting the 2051 withC Programming using 89C2051

633. Night Light Saver V5.0 using AT89C2051

634. Clock ControllerV1.1 using AT89C2051

635. DigiThermo 0-100.0 °C using AT89C4051

636. Solar Power / Panel Inverter – Grid-Intertie Inverter using Attiny45

637. Watch controlled robot using AVR microcontroller

638. Algorithmic 8-bit workshop using ATMega328

639. An electronic dice using ATmega8

640. USB Sensors with ATtiny Microcontrollers

641. DIY Polygraph Mask using ATmega32

642. Homemade VGA Adapter using ATmega644

643. Honey I Shrunk The Arduino using ATmega328p

644. Arduino – Modifying a Robot Arm using ATmega328

645. Virtual Archery using ATmega1284P

646. RSS Reader using ATmega8 microcontroller

647. 4-key keyboard using ATtiny85

648. Enhancing An FM Transmitter's Firmware using ATmega48

649. HexiLogger, an Arduino based data logger using ATmega328

650. How to drive 595 shift registers with ATmega168

651. Head-Controlled Keyboard And Mouse using ATmega32

652. Leonardo Arduino clone a single-sided PCB using ATmega32U4

653. Automated Juice Mixer

654. Temperature and Pressure Control using the AT90S8535

655. Sine Wave Synthesizer

656. RC Car Controller Using Atmel 4414 chip

657. Blackjack

658. A m -Controller Based Thermostat Using Atmel AT90S8535 microcontroller

659. Programming the Game Simon

660. Hangman!

661. Eye Snake

662. Clifford Systems J11000 Car Alarm System

663. EE476 Final Project Real-time Debugger By Emre Tezel & Cagdas Ozgenc

664. Automatic Etch-A-Sketch Controller

665. CU Organizer

666. Whack-A-Cap: miniature representation of a popular amusement game

667. Design of a REE476 Final Project: eal-Time Digital Guitar Tuner

668. Autonomous Vehicle

669. EE 476 Final Project Portable MP3 Player

670. EE476 – Final Project Hummer RC Truck

671. Security Entrance System

672. Analog Modem Design Project

673. Larry Pellach and Brian Silverstein

674. The Zip Drive

675. Final Project EKG Monitoring System

676. gEECSHip

677. Fertilizer Feed Rate Controller

678. Fish: Video Controller

679. Laser Tag

680. Spring 2002 Gmouse Using Atmel ATMEGA163

681. The Rotating Globe Using Atmel Mega163

682. Digital Music Synthesizer Using Atmel 90s8515 chip

683. MP3 Player Using Atmel Mega103L

684. Safety-sensor vehicle using Mega163

685. Autonomous Car

686. Hard Drive Based AVR Programmer Using Mega163

687. Tic-Tac-Toe on TV Using Atmel Mega163

688. PC-CONTROLLED SCANNING TUNNELING MICROSCOPE Using ATMega163

689. Multi-Zone Fire Alarm System Using Mega32 Microprocessor

690. Sheet Music Generator using Mega32 Microcontroller

691. IntelliBOT Using Mega 32

692. Laser Light Show Using Atmega32

693. Gray-scale Graphics: Dueling Ships

694. Cornell Hockey Using Atmel Mega32

695. Tetris Video Game

696. Vehicle Performance Meter Using Atmel Mega32

697. TV Minesweeper Using Atmel MEGA 32

698. BattleShip Game using Atmel Mega32

699. Sound Effects Processor Using Mega32

700. Radio Control Car using Mega32

701. MIDI synthesizer Using Atmega32

702. Frogger Video Game Using Atmel Mega32

703. Space Fighter Video Game Using ATMega32

704. SpacInvaders Video Game Using Mega32

705. PacMan Video Game Using Atmel AT90S8515 microcontroller

706. TREASURE HUNT OF THE HIGH SEAS ATMEL MEGA32

707. Memory Video Game Using Atmel Mega32

708. Digital Mirror Message Machine

709. TouchPad Drawing Board Using ATMega32

710. Gauntlet of uComputation using Atmel Mega32

711. Frequency Division Multiplexing for a Multi-Sensor Wireless Telemetry System Using Atmel MEGA32L

712. Voting Machine Using Atmel Mega32

713. Digital Guitar Tuner

714. Digital voice recorder using Atmel Mega32 microcontroller

715. Digger video game using Atmel Mega32

716. Dual control RC car using Atmel Mega32

717. A Portable Battery-Powered Roguelike Video Game Using Atmel MEGA32

718. MOS 6502 Emulation on an Atmel Mega32

719. PC temperature control using Atmel Mega32

720. RoboDog using ATMega32

721. Variable Traffic Controller

722. Vocal Trainer Using Atmel Mega32

723. Inverted Pendulum Balancer Using Atmel Mega32

724. MIDI DRUM CONTROLLER USING MEGA 32 MICROCONTROLLER

725. Connect Four with Programmable Infrared Receiver Atmel Mega32

726. Super Breakout using Atmel Mega32

727. BlindBot usisng Atmel Mega32 MCU

728. Missile Command video game using Atmega32

729. Blood Pressure Monitor Using Mega32

730. Portable Security System Using ATMega 32

731. Wireless Telemetry using Atmel Mega32

732. A Motion Capture System Using Accelerometers using AVR Mega32

733. A Microcontroller Based Turbidity Meter using AtmelMega32  
734. Stepper Motor Indexer & Decoder ECE 476 Using ATmega32  
735. Wireless Electromyograph using ATmega32  
736. Neural net robot using ATMega32  
737. AirMouse using ATMega32  
738. WeatherDog Using ATMega32  
739. Color Tetris video game using ATMega32  
740. The Big Red Juicer using Atmel Mega32  
741. The Contender video game using Atmel Mega32  
742. Duckhunt video game using Atmel Mega32  
743. ECE 476 Spring 2005 by Arthur Zhang (ayz2) and Yewen Ying (ydy2) using atmega32  
744. Keyboard mania using Atmega32  
745. kaOS operating system and loader using atmega32  
746. Tap the Dance using Atmel Mega163  
747. Guitar Special Effects Using Atmega32  
748. Reversi Video Game Using ATmega32  
749. Arkanoid Video Game using Atmega32  
750. INFRARED TRACKING SYSTEM USING ATMEGA32  
751. Stationary Helicopter Using Atmel Mega32  
752. 3D gForce Mouse Using Mega32  
753. MISSILE COMMAND USING ATMEL MEGA 32  
754. The Big Red Guide Using Atmel AVR Mega32  
755. Star Duel video game Using Mega32  
756. Wonderswan Development Cartridge Using Atmel Mega32  
757. Scorched Earth video game using Atmel Mega32  
758. Xylophone Using Mega32  
759. Eye in the Sky Security System Using Atmel Mega32  
760. TV/Keypad Interface for Winamp Using Atmel MEGA32  
761. The Breath-o-Matic Using Atmega32  
762. A Wand Based Barcode Scanner Using Atmel MEGA32  
763. Home Security System Using Atmel Mega32  
764. Keypaw Using Atmel Mega32  
765. SmartBlinds Using Mega32  
766. The Ultimate MP3 Radio Using ATMega32  
767. Beverage Monitor Using Mega32  
768. Music Synthesizer with Interactive TV Display Using MEGA32  
769. Handheld Ultrasonic Rangefinder Using Atmel Mega32  
770. Pong2 Using Atmel Mega32  
771. Electr-O-Sketch Using Atmega 32  
772. MiniGolf video game with putter Using Atmel Mega32  
773. Digital Compass Using Mega 32  
774. Nova Strike video game Using Atmega32  
775. TRISHUL -Autonomous navigating robot Using Atmel Mega32  
776. Paint Program with Mouse Control Using Atmel Mega32  
777. Non-orthogonal Plotter Using Atmega32  
778. Digital Stethoscope Using Atmega32  
779. Flat Bed Scanner Using Microcontroller  
780. Programmable remote control Using Atmega32  
781. Handwriting Recognition System Using Atmel Mega32  
782. GoConn Bicycle Computer Using Atmega 32  
783. Radial Chalker Using Atmel Atmega32  
784. Sign language coach Using Atmega32L  
785. The Grillzilla Using ATMega32

786. Capacitance sensor MIDI keyboard Using Atmel mega32

787. SecureLED: Better Access Control Using ATMega32

788. VOICE RECOGNITION SECURITY SYSTEM USING ATEGA32

789. RFID Security System Using Atmel Mega32

790. Galvanic skin response meter using Atmel mega32

791. Ultrasonic spotlight tracker using Atmel mega32

792. Intelligent Multimedia System Atmel mega32

793. Lighting control system Using ATMEL Mega32

794. Self-powered solar data logger Using Atmel Mega32

795. Guitar Synthesizer and Game Using Atmega32

796. Dual Control R/C Car Using Atmega32

797. Machine de Karaoke Using Atmega32

798. Two-TV video air Hockey Using Atmega32

799. Musical Water Fountain Using Atmega32

800. High-Resolution Color TV Using Two Microcontrollers Atmega128, AtMega32

801. High-Resolution Color Television Using Atmel Mega32

802. MCU/FPGA color video Game Platform Using Atmel Mega32

803. Cooler-Bot Using Atmel Mega 16L

804. Robotic Vacuum Cleaner Using Atmel Mega32

805. SearchBot Using Atmel Mega32

806. CUsat diagnostic board using Atmel mega32

807. CUAUV Voltage Sniffer Using Atmel Mega32

808. HDD analog clock with LCD touchscreen Using Atmel Mega32

809. AppleII emulator Using Atmel Mega32

810. Touch Screen Controlled R/C Car Using Atmel Mega32

811. Sound Source Triangulation Game Using Atmega32

812. Speech Recognition Jukebox Using Atmega32

813. Graphing calculator Using Atmel Mega32

814. Firefly synchronization Using Atmega32

815. CalcParser Using Atmel Mega32

816. CCD imager Using Atmel Mega32

817. Programmable medication scheduler using atmel mega32

818. Automatic pet feeder Using Atmel Mega32

819. Retractable Alarm Clock (RAC) Using Atmel Mega32

820. Ultrasonic ParKontroller Using Atmel Mega32

821. Braille reader using Atmel mega32

822. USB Magnetic Mouse/Touchpad Using Atmega32

823. iPod controller Using Atmel Mega32

824. uControl DVD macro-controller Using Atmega32

825. Complex impedance analyzer Using Atmega32

826. Morse code interpreter, with speech synthesis Using Atmega32

827. UDP/Ethernet Controlled Temperature Regulator Using Atmega32

828. AirJam: wearable air guitar Using Atmega2

829. MCU MIDI synthesizer using Atmega32

830. Evolving neural robot Using Atmega32

831. Model retina: color tracker Using Atmega32

832. PeanutBot, The Audio Homing Robot Using Atmega32

833. Line-following car Using atmega32

834. Music-controlled Puppet Using Atmega32

835. Movement to Music: A Wearable Wireless Motion Sensor system Using Atmega32

836. Laser Pong Using Atmega32

837. TouchPad video game Using Atmega32

838. A portable, color, tilt-controlled video game system Using Atmega32



839. Wiimote Crane Using Atmega32

840. Snake Arm Glove Project Using Atmega32

841. LaserSimon – An Innovative Take On An Exciting Game Using Atmega32

842. Battle Tank – A 3d Atmega32 Based Video Game

843. Mini-Golf Simulator Using Atmega32

844. SCHEME INTERPRETER USING ATMEGA32

845. Guitar Tuner Using Atmega32

846. Rocket Inertial Navigation System using Atmega32

847. Ghost Writing Robot Using Atmega32

848. Shark Tag Microcontroller Platform Using Atmega32

849. Teaching an old clock Using Atmega32

850. Music Wand: Real-Time Optical Scanning of Sheet Music Using Atmega32

851. TriWheeler robot Using Atmega32

852. Electronic Impact Vest Using Atmega32

853. Help Quit Smoking Watch Using Atmega32

854. ROBOT ARM Using Atmega32

855. Accelerometer Controlled R/C Vehicle Using Atmega32

856. Neural Net Helicopter Using Atmega32

857. Adaptive 60 Hz Noise Cancellation Using Atmega32

858. Automotive On-Board Diagnostics Reader Using Atmega32

859. Data Acquisition System With Controller Area Network and SD Card Using Atmega32

860. Gesture-driven Tetris Using Atmega32

861. Multi-Player Light Cycle on Color TV Using Atmega32

862. 3D Video Game Control Using Atmega32

863. 3D Maze in a Box video game Using Atmega32

864. High Speed Photography Controller Using Atmega32

865. BordFree Using Atmega32

866. 5x5x5 LED Cube – Orientation Independent 3D Display Using Atmega32

867. Virtual Keyboard Using Atmega32

868. Networked Biometric Authentication Using Atmega32

869. Dueling Banjos Using Atmega32

870. Air Drums Using Atmega32

871. Trumpet MIDI Controller Using Atmega32

872. Rhythm Ring: Interactive Rhythm Sequencer Using Atmega32

873. PowerBox: The Safe AC Power Meter Using Atmega32

874. Robot Plotter Using Atmega32

875. Tic Tac Toe with CMOS Camera Using Atmega32

876. Programmable Synthesized Guitar Using Atmega644

877. Musical Blocks Using Atmel ATmega 644

878. Wii Conductor Using Atmega32

879. Heliostat Skylight Using Atmega644

880. Multisensor Data Transmission Using Atmega32

881. Voice Tuner and its Effects Using Atmega644

882. Laser Audio Transmitter Using Atmega32

883. NES EMULATION USING ATMEGA32

884. ESD Foam Touch Controlled Brick Blaster Using Atmega32

885. Blackout game Using Atmega32

886. Alarm clock with speech synthesis Using Atmega32

887. Programmable RGB Spinning LED Display Using Atmega32

888. Wireless Persistence of Vision Device with Realtime Control Using Atmega644

889. Electric Etch Using Atmega644

890. Multiple PID motor controller (with Wiimote!) using Atmega644

891. BalanceBot Using Atmega644

892. The Autonomous Tennis Ball Picker Using Atmega644

893. Autonomous Self-parking car Using Atmega644

894. Weather Canvas Using Atmega644

895. Self-Adjusting Window Shade Using Atmega644

896. GPS Data Logger with Wireless Trigger Using Atmega644

897. Tissue Impedance Digital Biopsy Using Atmega644

898. Dual-Channel Mobile Surface Electromyograph Using Atmega644

899. Fart Intensity Detector Using Atmega644

900. ACL Research: Foot Acceleration Sensor Atmega324p

901. Traction control system Using Atmega644

902. OBD-II Automotive data interface using Atmega644

903. Digital Receipts System Using Atmega644

904. IR harp using Atmega644

905. Der Kapellmeister Using Atmega644

906. Touchpad/Infrared Music Synthesizer Using Atmega644

907. LED Sensor Piano Keyboard Using atmega644

908. Gesture Recognition Based on Scratch Inputs Using Atmega644

909. 3D scanner Using Atmega644

910. 3D ultrasonic mouse Using Atmega644

911. Haptic appointment manager Using Atmega644

912. Ultrasonic Haptic Vision System using Atmega644

913. ATmega644 JTAG Debugger

914. Haptic Exercise Coach Using Atmega644

915. Guitar Blocks Using Atmega644

916. Optical eye tracking Using Atmega644

917. Digital Oscilloscope Using Atmega644

918. Self-Adaptive Hybrid Electro-Magnetic Levitation and Active Balancing System Using Atmega644

919. Home energy management Using Atmega644a

920. Accelerometer Based Hand Action Recognition using Atmega644

921. Mister Gloves – A Wireless USB Gesture Input System Using Atmega644

922. Point of Sale Terminal Using Atmega644

923. Low-Cost Portable Potentiostat for Biosensing Applications Using Atmega644

924. Zigbee Wireless Relay Control and Power Monitoring System Using Atmega644

925. Adaptive Alarm Clock Using Atmega644

926. Acoustic Data Modem Using Atmega644

927. Flexicopter Using Atmega644

928. Gesture Based Touchpad Security System Using Atmega644

929. Heart Rate Display LED T-Shirt Using Atmega644

930. Talking voltmeter Using Atmega644

931. CMOS Camera Rock Paper Scissors Game System Using Atmega644

932. Automated Pavlovian Classical Conditioning of Insects Using Atmega644

933. Automated Rock Band player Using Atmega644

934. USB wireless tilt mouse Using Atmega644

935. Auditory navigator Using Atmega644

936. Human Tetris — Video object tracking Using Atmega644

937. Hand controller for Parrot AR Drone Quadricopter Using Atmega644

938. 3D Paint Using Atmega644

939. XBee RF Smart Energy Compliant Power Meter Using Atmega644

940. Heat Control System Using Atmega644

941. Motion Sensing PowerPoint Controller Using Atmega644

942. Automated grapefruit segmenter Using Atmega644

943. ToneMatrix Touch Sequencer Using Atmega644

944. Sheet Music Notator Using Atmega644

945. Invisible band Using atmega644

946. Human Tracking Fan System Using Atmega644

947. Embedded Foot Pronation Detection Using Atmega644

948. Compact Guitar Pedalboard Using Atmega644

949. Ultrasonic Spheroid Levitation Device Using Atmega16

950. A Keyboard Synthesizer Workstation using Atmega644

951. Sonar SensCap Using Atmega644

952. TI Calculator Wireless Chat Using Atmega644

953. Ear Trainer Using Atmega644

954. Rock-Paper-Scissors Sensor Gloves Using atmega644

955. LED-Following K'NEX Car Using atmega644

956. Step Sequencer Drum Machine Using Atmega644

957. Autonomous visually steered car Using Atmega644

958. A Portable, Automated, web-based Bird Trapping Mechanism Using Atmega644

959. Wireless, web-based, cardiac monitor Using Atmega644

960. Ahhhh...BIU! video game Using Atmega1284

961. Voice decoder for vowels Using Atmega644

962. FaceAccess — A Portable Face Recognition System Using Atmega644

963. DJ Multitouch — A FTIR Touchscreen Device Using Atmega644

964. Rock Band Vocal Bot Using Atmega644

965. A Wireless Programmable Pace Clock Using Atmega644

966. Self-Reliant Power and Data Management System Using Atmega644

967. Autonomous Board Erasing Robot Using Atmega644

968. GPS Tracking Device for Cornell Engineering Quad Using Atmega644

969. Touch screen video chess Using Atmega644

970. Smart Trash system Using Atmega644

971. Ultrasonic Security System Using Atmega644

972. Quadcopter Using Atmega644

973. A Budget Pachinko Machine Using Atmega644

974. Seven day alarm Using Atmega644

975. Homemade VGA Adapter Using Atmega644

976. Remote Controlled DMM With Minimum Mass Wireless Coupler Using Atmega644

977. BrainMap: fNIR imaging of the brain Using Atmega644

978. SousVide immersion cooker using Atmega644

979. Cooking Assistant for Automatic Temperature Control Using Atmega644

980. Heliowatcher solar tracker Using Atmega644

981. Digital Stethoscope Using Atmega644

982. Evolutionary Altitude Control for a Helicopter Using Atmega644

983. Sign language translator Using Atmega644

984. Persistent of Vision Display Using Atmega644

985. Battle video game Using Atmega644

986. Touchpad Figure Recognition Using Atmega644

987. MicroKart 644 Using Atmega644

988. Auto-composing keyboard Using Atmega644

989. Virtual Saxophone Using Atmega644

990. Digital Saxophone Using Atmega644

991. Brain-Computer Interface Using Atmega644

992. OBD-II Autocross/Track Data Logger for BMW E36 M3 Using Atmega644

993. Radio Station Tracker Using Atmega644

994. RoboSLR Using Atmega644

995. Solar Powered Pulse Oximeter and Heart Rate Meter Using Atmega644

996. Wireless, voice-controllable, household system Using Atmega644

997. Ultrasound Gesture Detection Using Atmega644

998. Virtuoso: A Touchscreen Music App Using Atmega644
999. Persistence of Vision Clock Using Atmega644
1000. GPS and compass guided car Using Atmega644
1001. IFF System for Infantry Using Atmega1284
1002. Optical microphone and spectrum analyzer Using Atmega1284
1003. Alphanumeric Optical Endec Transceiver Using Atmega644
1004. Virtual Archery Using Atmega644
1005. Audio Spectrum Analyzer Using Atmega644
1006. Digital Reversi board using Atmega644
1007. Muscle music control Using Atmega1284p
1008. Multi-functional Music Box Using Atmega1284
1009. Color to Sound Player Using Atmega1284
1010. Hand-Motion Chess Using Atmega1284
1011. Glove Mouse Using Atmega1284
1012. Thermistor Respiratory Monitor Using Atmega1284
1013. Drumming Teaching and feedback device Using Atmega1284
1014. EEG Magic Cat Ears Using Atmega1284
1015. The Air Mouse Using Atmega1284
1016. POV Magic 8 Ball Using Atmega1284
1017. Remote Controlled POV Display Using Atmega1284
1018. NFC Transmitter and Receiver Using Atmega1284
1019. Autonomous Air-Hockey Goalie Using atmega 1284
1020. Low-Budget Laser Projector Using Atmega1284
1021. Scan-E: An optical blood pressure sensor Using Atmega1284
1022. Eye Mouse Using Atmega1284
1023. Precision Cooker: A Temperature Controlled Cooker Using Atmega1284
1024. A Moving Alarm Clock Using Atmega1284
1025. Acoustic Modem Using Atmega1284p
1026. Beacon: A Zero Instruction Navigation Device Using atmega1284
1027. A Touchscreen Chinese Chess App Using Atmega1284
1028. Automated Drink Mixer Using Atmega1284
1029. The Webcam Mouse Using Atmega1284
1030. Servo-Controlled Fire Extinguisher Using Atmega1284
1031. Smartboard Replacement interactor Using Atmega1284
1032. ColdRunner – A Temperature Feedback Running Band Using Atmega1284
1033. Pushup Trainer Using Atmega1284
1034. Gesture Based Security Lock Using Atmega1284
1035. Laser Tag with wireless logging using Atmega644
1036. Handheld Self-stabilizing Camera Platform Using Atmega1284
1037. Stabilized Gimbal System Using Atmega1284
1038. DJ Party: A Collaborative Music Teacher using Atmega1284
1039. GPS Running Watch Using Atmega1284
1040. Infrared Theremin Using Atmega1284
1041. Automobile parking simulator Using Atmega1284
1042. Rock-Paper-Scissors-Spock-Lizard Game Using Atmega1284
1043. Acoustic Impulse Marker Using Atmega1284
1044. Clap-E acoustic tracking robot using atmega1284
1045. Acoustic Wayfinder Using Atmega1284
1046. Ultrasonic Pathfinder Using Atmega1284
1047. The Bat Hat Using Atmega1284
1048. Standalone Atmega328
1049. Speech Synthesis on Atmega128
1050. Homemade singing ATMEGA128

1051. Burning atmega328-pu and atmega328p-pu bootloader
1052. Standalone Arduino / ATmega chip on breadboard
1053. Using Atmega32 with Arduino IDE
1054. Interfacing GY 26 with atmega640
1055. I2C Bus for ATtiny and ATmega
1056. Make yourself a speaking ATMEGA128
1057. RGB Rotary Encoder with PWM and ISRs Using an ATmega328
1058. Atmega16/32 Development Board With LCD
1059. Create yourself a message flasher with ATMEGA128
1060. Use ATmega328 Chip as a Storage Device and Store Text and Images in it
1061. Bootloading and Mounting Arduino Atmega328 – I made it at TechShop
1062. Create yourself ATMEGA128 a simple tone generator
1063. Burn BootLoader into Atmega328P using Arduino Diecimila
1064. Burn Arduino Bootloader on Atmega-328 TQFP and DIP chips on Breadboard
1065. Setup Arduino Software for Atmega328P with Internal Crystal on Breadboard
1066. MultiFunction LED Game Using An ATmega32 Microcontroller
1067. Make yourself a homemade clock with thermometer using ATMEGA128
1068. Playing video on nokia color LCD using an ATmega32
1069. Setup Arduino Software for Atmega328P with Internal Crystal on Breadboard
1070. Electronic Voting Machine using Internal EEPROM of AVR
1071. LCD Scrolling Display Module
1072. How To Write a Simple Bootloader For AVR In C language
1073. How To Use SPM To load Application from EEPROM
1074. How to Use SPM for Flash to Flash Programming
1075. How to Initialize Peripherals from Boot Loader Section
1076. How to Program in Boot Loader Section
1077. Interfacing SD Card with AVR Microcontroller
1078. How to interface GPS with AVR microcontroller (ATmega16)
1079. How to configure Watchdog Timers of AVR Microcontroller (ATmega16)
1080. How to interface serial ADC0831 with AVR microcontroller (ATmega16)
1081. How to take input from a particular pin of ATmega16
1082. How to use I2C / TWI (Two Wire Interface) in AVR ATmega32
1083. How to interface Servo Motor with AVR Microcontroller (ATmega16)
1084. How to interface keypad with AVR microcontroller (ATmega16)
1085. How to interface LED with AVR Microcontroller (ATmega16)
1086. How to use External (Hardware) Interrupts of AVR Microcontroller (ATmega16)
1087. Serial communication (USART) with different frame size using AVR microcontroller
1088. Waveform Generation using AVR Microcontroller (Atmega16) Timers
1089. Phase Correct PWM (Pulse Width Modulation) Mode of AVR microcontroller Timer
1090. How to use fast PWM (Pulse Width Modulation) Mode of AVR microcontroller Timer
1091. SPI (serial peripheral interface) using AVR microcontroller (ATmega16)
1092. How to interface LCD in 4 bit mode with AVR microcontroller
1093. How to disable JTAG of AVR microcontroller
1094. How to use inbuilt analog comparator of AVR microcontroller
1095. How to use internal ADC of AVR microcontroller using interrupts
1096. RFID interfacing with AVR microcontroller (ATmega16) using interrupts
1097. How to interface RFID with AVR microcontroller (ATmega16)
1098. Serial communication with AVR microcontroller using interrupts
1099. How to interface AVR microcontroller with PC using USART (RS232 protocol)
1100. Serial communication (Data receive) using AVR Microcontroller (ATmega16) USART
1101. How to use inbuilt ADC of AVR microcontroller (ATmega16)
1102. Display custom characters on LCD using AVR Microcontroller (ATmega16)
1103. How to display text on 16x2 LCD using AVR microcontroller (ATmega16)

1104. Controlling a BLDC Motor with an ESC  
1105. Fingerprint Detection using Microcontroller  
1106. Un-interruptible Bench-top DC Power Supply With Display  
1107. Mobile – Gesture Controlled Car  
1108. Fully Customized Device On/Off Timer  
1109. DIY – Waveform Generator using AVR Microcontroller  
1110. Sleeping Security – Smart Keypad Lock using AtMega16  
1111. Coin Operated Timer Control Power Supply Box to Control AC Appliances  
1112. Bluetooth Controlled Portable LED Display  
1113. Stepper Motor Angle Control using AVR Microcontroller  
1114. Audio Tone Generator using AVR Microcontroller  
1115. Interfacing Triple-Axis Accelerometer with AtMega16  
1116. Variable Power Supply with LCD  
1117. Light Tracker Demonstration  
1118. Cell Phone Controlled Pick and Place Robot  
1119. GSM Based AC Appliance Control  
1120. GSM Based Intruder Alerting System  
1121. DC Motor Control with Joystick & AVR Microcontroller  
1122. Intelligent LED light controller using AVR  
1123. 4 Wire Touch Screen Based Digital Magic Slate  
1124. Interfacing 16X2 LCD to AVR Microcontroller  
1125. Speed and Direction Control of DC Motor using AVR Microcontroller  
1126. LED Light Bulb Controller using AVR Microcontroller  
1127. Digital Clock using Seven Segment Display and ATmega16  
1128. Accelerometer Based Hand Gesture Controlled Robot  
1129. Speed and Direction Control of Stepper Motor using AVR Microcontroller  
1130. Controlling RGB LED colour using Atmega16  
1131. Latitude & Longitude Display System Using GPS & AVR Microcontroller  
1132. embRACE: The Embedded Race  
1133. DIY: Retro Style Analog Volt Meter using Servo Motor  
1134. Fastest Finger First Circuit using ATmega16  
1135. AVR I/O Ports  
1136. How to Interface a GSM (SIM 300) Modem with ATmega32 to Send and Receive SMS  
1137. Interfacing 4-wire Resistive Touchscreen with ATmega16 Microcontroller  
1138. Smart Home Automation using AVR  
1139. Interfacing Serial Bluetooth Modem with Computer using ATmega16  
1140. Attendance System using AVR and RFID  
1141. Digital Book Cricket with ATtiny 85  
1142. LCD/switch interface  
1143. Clock/temperature LED display  
1144. Dot matrix display  
1145. Relais Driver Board  
1146. Electronic cricket  
1147. Photocell or LDR  
1148. PC stepper motor driver  
1149. Running LED's  
1150. Running LED's using ATTiny2313  
1151. Temperature indicator  
1152. LED VU meter  
1153. Stepper motor driver  
1154. RGB LED color mixer  
1155. LCD interface  
1156. LED thermometer

1157. Running LED bicolor  
1158. Clock/temperature LED display  
1159. AVR Chronograph from concept to PCB  
1160. AVR Dual RGB Matrix Driver  
1161. Microwave Controller using ATmega8 – AVR Project  
1162. Simple Single Motor Control using AVR ATmega16  
1163. Microwave Controller using ATmega8 – AVR Project  
1164. Ultrasonic Rangefinder HC-SR04 Interfacing with ATmega8  
1165. GSM Module SIM300 Interface with AVR Amega32  
1166. Temperature Controlled DC Fan using Microcontroller  
1167. Biometric Attendance System Circuit  
1168. PWM Based DC Motor Speed Control using Microcontroller  
1169. Density Based Traffic Signal System using Microcontroller  
1170. Line Follower Robot using Microcontroller  
1171. Sun Tracking Solar Panel  
1172. Street Lights that Glow on Detecting Vehicle Movement  
1173. Auto Intensity Control of Street Lights  
1174. RFID Based Attendance System – Circuit, Working, Source Code  
1175. Digital Temperature Sensor Circuit  
1176. 2 Digit Up/Down Counter Circuit  
1177. DTMF Controlled Home Automation System Circuit  
1178. Water Level Indicator  
1179. Interfacing 16X2 LCD to AVR Microcontroller  
1180. Automatic Railway Gate Controller with High Speed Alerting System  
1181. Boolean Algebra Calculator  
1182. Working with TWI (I2C) sensors / Devices

**This free embedded project also found using:**

- [Projects](#)
  - [atmega8 c](#)
  - [smt160 bascom](#)
  - [project s atmega8 & lcd 128\\*64](#)
  - [avr projects using atmega32](#)
  - [avr projects free download](#)
-