Microcontroller PIC Projects are categorized on the basis of microcontroller applications. Microchip pic microcontrollers belongs to modern family of MCUs and is being used widely in our daily life seem-less manners, e.g. in our multimedia devices, tele-phones, microwave ovens, medical and health based equipments e.g. blood-pressure meter, UPS, Power supplies, burglar alarms & detectors and other security and safety equipment, etc. There are hundreds of projects in this site. Click here to see category based projects.

Want to get Offline Projects List in PDF format: Click here you can find compiled pic projects lists in PDF format for offline view.

- ZTEX FPGA Boards - with EZ-USB FX2 and FX3
- CAN logger with SD card - OEM cards with serial and USB
- Microcontroller PIC Projects
- Microwave mmwave circuits
- United Electric Controls

- Pic 16F676 ICSP programing socket for the PICk4 2 programer
- 48 Channel Mono / 16 Channel RGB LED Controller using PIC18F2550 microcontroller
- Mood vase using PIC12F683 microcontroller
- Simple JDM PIC Programmer using PIC16F84A microcontroller
- DC motor control with Joystick and PIC16F877A
- DMX-512 RGB LED Wash Light Control Board using PIC18F688
- How to make a Clap-Clap on / Clap-Clap Off switch circuit! using PIC10F222
- Control a Hobby Servo using PIC18F2455 microcontroller
- DTMF Touch Tone Decoder Using Microchip PIC Microprocessor using PIC12F683
- PIC18 development/testing board using PIC16F877 microcontroller
- 3x3x3 LED Cube using PIC16F690 microcontroller
- MATLAB to PIC serial interface using PIC16F877 microcontroller
- 8x8 LED matrix using PIC16F680 microcontroller
- PIC18F Based 6 Channel DMX Transmitter
- All pic programmer using 16F87X microcontroller
- Cheap PIC controlled Helmet camera using Sony LANC (Good for Extreme Sports) using PIC16F690
- ECG on your laptop using PIC16F876 microcontroller
- Remote controlled led dice using PIC12F629 microcontroller

http://pic-microcontroller.com/project-list/
- Augmenting a Microcontroller using PIC16F886
- Quick Key Adapter, 10 Button HID Keyboard using PIC18F14K50
- PWM Fan Controller using PIC12F675
- Frequency Detector using PIC12F683 Processor
- Large Dancing Robot using PIC16F877A
- Twitter Watcher, the #watch using PIC18F6760
- Parallel Port 3 Axis CNC Driver, Opto-Isolated, Unipolar Steppers using PIC16F876A
- Life Size Operation Game using PIC16F877 microcontroller
- LED Binary Clock using PIC16F628A microcontroller
- I2C keypad using PIC18F4550 microcontroller
- Power Pic RGB with voltage control using PIC12F675
- 7-Segment ASCII character Set A 127-character ASCII table for 7-segment LED or LCD displays using PIC16C84
- How to getting started with microcontrollers projects using PIC12F629 microcontroller
- PicPOV – Persistence of Vision with a PIC18F1220
- A simple display that uses the POV to display messages in the air using PIC12F629 microcontroller
- A 12hr/24hr LED Clock with display control using PIC16F628A microcontroller
- PIC sound player (PCM to PWM converter) using PIC18F1322
- Classic LED 7-Segment Displays using PIC16F887
- NOPPP, the "No-Parts" PIC Programmer using PIC16F83
- Infra/radio remote control transmitter/receiver with PIC18F630
- Grid Powered Battery Charger – The Plans using PIC16F876
- Countdown Timer using PIC16F84 microcontroller
- GTP USB PIC PROGRAMMER (Open Source) using PIC18F252
- Brushed Motor ESC using PIC12F675 microcontroller
- DDS/Pll based VFO synthesizer using PIC16F876
- Direct Digital Synthesis (DDS) using PIC16F84 microcontroller
- Designing a PID Motor Controller using PIC16F876
- PIC Based Imaging Sonar using PIC16F84 microcontroller
- Serial Port Servo Controller using PIC16F84
- Caller Line Identification (CLI) using PIC16F628A
- DC motor speed control using PWM using PIC16F878
- Medallion: Circle LED Animation PIC16F628A
- LM75 Temperature Sensor with 7 segment display output using PIC16F628
- LCD Oscilloscope for Spectrum Analyzers using PIC16F876A
- Simple RF/Microwave Frequency Counter using PIC16F876A
- My GPS LCD Display Project using PIC16F84
- IR Light Dimmer v.1 adjusting lights with remote controller using PIC12F629
- IK30IL 16F84 PIC Frequency Counter File
- Darkroom Timer using PIC16F84 microcontroller
- Universal Infrared Receiver using PIC16F84 and PIC12C508
- Universal RC5/RC6 transceiver using PIC16F628
- 2.4 GHz Frequency counter using PIC16F870
- Intelligent NiCd/NiMH Battery Charger using PIC16C711
- Make your own USB LCD controller using PIC18F2550
- Slepper Motor Controller using pic16F828
- PIC Based Speed Controller using PIC16C54
- PIC16F84A Temperature Controller
- Digital Voltmeter (DVM) using PIC16F688
- 0-9999 seconds count down timer using PIC12F683 microcontroller
- PIC12F microcontroller project board
- Measurement of temperature and relative humidity using DHT11 sensor and PIC microcontroller using PIC16F628A
- How to make a contact-less digital tachometer using IR-light reflection technique using PIC18F2550
- Make your own motion sensor alarm with SMS feature using PIC18F2550
- LED Chaser for PIC16F84A and PIC16F628A
- PWM DC Motor Controller for PIC12F683
- Radio Button Switch Control using PIC12F629
- A Beginner’s data logger project using PIC12F683 microcontroller
- Build A Digital Tachometer/RPM Counter using PIC18F452
- Heart rate measurement from fingertip using PIC16F628A
- PIC12F675 microcontroller as Flip Flop
- IR Remote Control Repeater using PIC12F629
- Internal Oscillator Recalibration Utility for PIC12F629
- Digital alarm clock using PIC16F877 microcontroller
- Programmable digital timer switch using a PIC16F628A
- PIC-2 USB BURNER using PIC18F2550
- WORLD’S SIMPLEST PROGRAM using PIC12F629
- HAPPY BIRTHDAY using PIC12F629 Microcontroller
- Motion detection alarm using a PIR sensor module with a PIC12F635
- Programmable digital timer switch using a PIC16F628A
- Wireless MultiMeter using PIC18F452
- Digital Thermometer Using PIC16F688 microcontroller
- Propeller Clock Mechanically Scanned LED Clock using PIC16C54
- Line following robot using PIC16F84
- Electronic combination lock based on PIC18F84
- Make your own PIC Programmer using PIC12C558
- Programmer using PIC16F84 microcontroller  
  Posted in: Microcontroller Programmer Projects, Projects
- Rs 232 Relay Control Board using PIC16F84A  
  Posted in: Development Board – Kits Projects, Projects
- The Weeder Frequency Counter using PIC16F84  
  Posted in: Clock – Timer Projects, Projects
- Microchip pic16f877 to FTDI USB interface  
  Posted in: Interfacing(USB – RS232 – I2c - ISP) Projects
- Gear Clock using PIC16F876 Microcontroller  
  Posted in: Clock – Timer Projects, Projects
- Digital Oscilloscope using PIC16F88  
  Posted in: Metering – Instrument Projects, Projects
- Build a digital clock with its digits levitating in the air using PIC16F84  
  Posted in: Clock – Timer Projects, Projects
- LC meter using PIC16F828A Microcontroller  
  Posted in: Metering – Instrument Projects, Projects
- Home Automation and Safety via GSM Remote  
  Posted in: Home Automation Projects, Projects
- SMS Box project using PIC16F877A Microcontroller  
  Posted in: Phone Projects, Projects
- Tiny GSM alarm system using PIC16F84A  
  Posted in: Phone Projects, Projects, Security – Safety Projects
- Function Generator using PIC16F870 microcontroller  
  Posted in: Metering – Instrument Projects, Projects
- OBD-II ELM327 compatible AllPro adapter using PIC18F2455  
- Pickit 2 Download & Develop Your own USB pickit ii programmer  
  Posted in: How To – DIY – Projects, Microcontroller Programmer Projects, Programmers, Projects
- How to interface Stepper Motor with PIC18F4550 Microcontroller  
- RGB LED PWM Driver Standalone PWM controller for RGB LEDs using PIC12F629  
  Posted in: LED Projects, Projects, PWM Projects
- RGB LED Strip Controller high-side LED drive for PIC12F629  
  Posted in: LED Projects, Projects
- Serial Addressable RGB LED Driver using PIC16F628A  
  Posted in: LED Projects, Projects, PWM Projects
- 4 Channel DMX512 Driver for PIC16F1823  
  Posted in: Development Board – Kits Projects, Projects
- 4-digit Up/Down counter with preset, reset, hold and overflow output using PIC16F88  
  Posted in: Clock – Timer Projects, Projects
- 5 LED CUBE Controller for PIC16F88  
  Posted in: LED Projects, Projects
- Binary/bcd to 7-segment decoder for PIC16F627A  
  Posted in: LED Projects, Projects
- 8 Channel PWM LED Chaser for PIC16F628A  
  Posted in: LED Projects, Projects, PWM Projects
- 8 Channel PWM Power MOSFET LED Chaser for PIC16F628A  
  Posted in: LED Projects, Projects, PWM Projects
- 8 Channel PWM LED Chaser for PIC16F626A and PIC16F88  
  Posted in: LED Projects, Projects
- UFO round LED Chaser Kit for PIC16F628A  
  Posted in: Development Board – Kits Projects, LED Projects, Projects
- UFO round LED Chaser with speed control for PIC16F628A  
  Posted in: LED Projects, Projects
- PIC Microcontroller timer Video Project  
  Posted in: Clock – Timer Projects, Projects
- How to display text on 16x2 LCD using PIC16F4550  
  Posted in: LCD Projects, Projects
- How to create custom characters on 16x2 LCD using PIC18F4550  
  Posted in: LCD Projects, Projects
- How to interface GSM Module with PIC18F4550 Microcontroller  
- PIC16F877 based simple calculator project  
  Posted in: Calculator Projects, Projects
- PIC16F878 up down counter code and Proteus simulation  
  Posted in: Clock – Timer Projects, Projects
- PIC16F877 stop watch code and Proteus simulation  
  Posted in: Clock – Timer Projects, Projects
- PIC16F877 ADC code and Proteus simulation  
  Posted in: Other Projects, Projects
- Interfacing of PIC16F877 with DS1307 (RTC) code and Proteus simulation  
- Interfacing of PIC16F877 with (I2c based) 24LC64 EEPROM (Code + Proteus simulation)  
- PIC16F877 internal EEPROM code and Proteus simulation  
  Posted in: Memory – Storage Projects, Projects
- How to interface keypad with PIC16F877  
- PIC16F877 based digital clock using LCD display (Code+Proteus simulation)  
  Posted in: Clock – Timer Projects, Projects
- PIC16F877 LCD interfacing code (In 4bit mode) and Proteus simulation  
- PIC16F877 UART code and Proteus simulation  
  Posted in: Other Projects, Projects
- PIC16F877 external interrupt code and Proteus simulation  
  Posted in: Other Projects, Projects
- PIC16F877 PWM (2 channel) code and Proteus simulation  
  Posted in: Projects, PWM Projects
- Interfacing of PIC12F675 with DS1307 (RTC) code and Proteus simulation
- Interfacing of PIC12F675 with (I2C based) 24LC64 EEPROM code + Proteus simulation
- PIC12F675 I2C (bit-banging) code and Proteus simulation
- PIC12F675 interrupt based software UART code and Proteus simulation
- PIC16F84A I2C (bit-banging) code and Proteus simulation
- PIC16F84A interrupt based software UART code and Proteus simulation
- PIC16F84A based simple calculator (Code + Proteus simulation)
- How to interface keypad with PIC16F84A
- PIC16F84A based digital clock using LCD display (Code + Proteus simulation)
- PIC16F84A LCD interfacing code (8-bit mode) + Proteus simulation
- PIC16F876 internal EEPROM code and Proteus simulation
- PIC16F876 based simple calculator (Code + Proteus simulation)
- PIC16F876 based digital clock using LCD display (Code + Proteus simulation)
- PIC12F675 PWM code and Proteus simulation
- Simple Digital Voltmeter (DVM) using PIC12F675 (Code + Proteus simulation)
- PIC12F675 ADC code and Proteus simulation
- PIC16F875 LED blinking code and Proteus simulation
- PIC16F842 PWM Code and Proteus Simulation
- PIC16F852 UART code and Proteus Simulation
- Interfacing with UART of PIC microcontroller
- Frequency Counter using PIC16F877A Microcontroller
- 50MHz 7-segment frequency counter using PIC16F877A
- A Real Time Clock using PIC16F88 Microcontroller
- How to drive an led display matrix using PIC16F88
- The Annoy – A Tiny Intelligent Buzzer using PIC16F290
- IR Proximity Motor Control using PIC18F4520
- Mini PIC Dev Board using PIC18F452
- PICKit3 Programming with MPLAB
- RGB LED Controller using PIC16F852
- Making your own Digital Clock using PIC16F887
- 6 Digits LED 7-Segment Multiplexing using PIC16F627A
- A Simple Clock using DS1307 and PIC16F877A
- Making a Digital Clock using PIC16F628A
- PIC based UPS Schematic / Firmware / PCB Layout
- Programmable IR remote control using PIC16LF877
- Weather station using PIC18F452 Microcontroller
- PIC programmer using PIC16F84A Microcontroller
- RCS remote control using PIC12F689
- Digital Watt meter using PIC16F876
- Stepper Motor Controller using PIC16C84
Driving a piezo speaker using PIC microcontroller.

NU32: Introduction to the PIC32 using pic-microcontroller.

Switching control using pic-microcontroller using PIC16F84A.

Interfacing with a Secure Digital (SD) card using pic-microcontroller.

Automated Railway Gate Controlled by PIC16F877.

Lm35 interfacing with pic 16f877 through adc0808.


Interfacing with the PIR (Passive Infrared) sensor.

Interfacing with a Piezo speaker.

Interfacing with a Liquid Crystal Display (LCD) using PIC microcontroller.

Interfacing a piezo speaker with a PIC microcontroller.

Interfacing a 7-segment LED display with PIC microcontroller.

Interfacing the PIR sensor with PIC microcontroller.

Interfacing with a Piezo speaker.

Interfacing with a Liquid Crystal Display (LCD) using PIC microcontroller.

Interfacing with a Piezo speaker.

Interfacing with a Liquid Crystal Display (LCD) using PIC microcontroller.

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Interfacing with a Liquid Crystal Display (LCD) using PIC microcontroller.

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Interfacing with a Liquid Crystal Display (LCD) using PIC microcontroller.

Interfacing with a Piezo speaker.

Interfacing with a Liquid Crystal Display (LCD) using PIC microcontroller.
- Interfacing DHT11 humidity and temperature sensor with PIC16F877A using pic microcontroller
- Line Follower Robot – Build it from scratch using pic microcontroller
- USB data logger project using pic microcontroller
- Remote-Control Light Dimmer using pic microcontroller
- One-chip 11×10 LED matrix using pic microcontroller
- CNC Controller Schematics (Rev. D) using pic microcontrollers
- Interfacing DS1307 RTC Chip with AVR Microcontroller
- PIC Light Chaser
- The IDE Project
- Simple RS232 Level Converter using Transistors using pic microcontroller
- Build a PIC controlled DDS VFO, 0 to 8 MHz using pic microcontroller
- AquaCont – Aquarium Control using pic microcontroller
- 8049 Spy using pic microcontroller
- Generating PWM with PIC Microcontroller using CCP Module
- Blinking LED using PIC Microcontroller with Hi-Tech C
- Digital spectrum analyzer based PIC18F4550
- The Wooden Menace – a Mighty Robotic Arm Powered by Servos using pic microcontroller
- Digital Alarm Clock Schematic using pic microcontroller
- Induction Heater with CKM005 Microcontroller
- The Wooden Menace – a Mighty Robotic Arm Powered by Servos using pic microcontroller
- Spectrum analyzer based PIC18F4550
- Interfacing 16x2 Lcd With 8051 Circuit Pin Diagrams
- Auto intensity control of street lights using pic microcontroller
- OPEN-DESIGN CHARGE REGULATOR PROJECT
- Building A Robot: Motor Control
- Computer-Controlled Light-Up Water Fountain
- Usbpicprog – A free and open source USB Microchip PIC programmer (Software and Hardware) for Linux, Windows a MAC
- Making “The LCD Expansion Board” for PIC18F4520 using pic microcontroller
- What is PIC Microcontroller
- Audio spectrum analyzer on PIC32 using pic microcontroller
- Bluetooth Wireless Voltage Meter using PIC12F683 microcontroller
- Laser show for poor man using PIC18F2200 microcontroller
- Prototype: Open Bench Logic Sniffer logic analyzer using pic microcontroller
- Wooden LED clock using PIC16LF876A microcontroller
- LED Infinity Mirror Controller, 32 LEDs, Multiple Patterns using PIC12F675
- Traffic Light Controller using pic microcontroller
- JDM2 based PIC Programmer
- Analog to Digital Converter Using PIC16F877A Microcontroller – Beginners Guide using pic microcontroller
- POV Christmas Tree using PIC12F89 microcontroller
- Business Card PIC Programmer using PIC12F629 microcontroller
- IRKI Infrared Remote Controlled USB Keyboard Without Keys using PIC18F2552
- 24 Channel USB Connected LED Controller, up to 1A per Channel using PIC18F4550
- Reverse Engineering to Emulate Ink Cartridges for a Epson Printer using PIC18F
- An LED Dice using a PIC 16F84 (or 16F88)
- Bootloader for 16F87x PIC Microcontrollers
- The ‘One Chip Spinning RGB POV Display’ with conversion software using PIC18F468C
- Minty JDM PIC Programmer using PIC18F4550 microcontroller
- Cooking Timer using PIC16F819 microcontroller
- How to drive a lot of LEDs using PIC12F microcontroller
- Power PIC RGB with Infrared remote control using PIC12F675
- PIC RGB color generator using PIC12F529
- Tiny Remote for iRobot Roomba using PIC12F629
- Read analog values without an ADC using PIC12F675 microcontroller
- An Easy to build & multifunctional counter with 7-Segment LED Display using PIC16F628 microcontroller
- PIC16F628 4 RGB LED PWM Controller
- Servo Camera Switch using PIC12F675 microcontroller
- How to build your own PIC-Programmer using PIC12C50x
- Pic-Plot2 GPIB to USB converter using PIC16F628
- 10MHz DDS Sine/Square Function Generator based on the AD9835 using PIC18F628
- A PIC16F84A Alarm Clock
- 1Hz Clock Generator using PIC12F675
- Ir On-Off using PIC12F629 microcontroller
- A DCF77 Clock with RS232 Interface using PIC16F84
- PIC 16F84 Serial Programmer
- RF Modern Robotics Project using PIC16F84 microcontroller
- The VGA Test Box using pc18452 Microcontroller
- PIC PAL Video Library using pic18F4520
- Simple USB to RS232 adapter on pic18F2455
- The IR Widget Using pic12F29
- Blink a LED with Assembly Language & a PIC
- DIY remote control based on PIC16F628
- Build your own Wireless Network detector using PIC12F629
- Serial LCD Module using PIC16F88
- Revised version of the PIC12F microcontrollers breakout board
- Interface a HD44780 Character LCD with a PIC Microcontroller

(http://pic-microcontroller.com/project-list/)
• A DIY indoor thermometer plus hygrometer using PIC16F688
• Breakout board for PIC16F1847 microcontroller
  Posted in: Development Board – Kits Projects, Projects
• Dual 4-digit seven segment LED display with SPI interface using PIC12F
  Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LED Projects, Projects
• Digital logic probe for troubleshooting TTL and CMOS circuits using PIC12F683
  Posted in: Metering – Instrument Projects, Projects
• A brief overview of Allegro ACS712 current sensor using PIC16F1847 (Part 1)
  Posted in: Projects, Sensor – Transducer – Detector Projects
• Record+play fast 1st sound on a PIC
  Posted in: Sound – Audio Projects
• PIC Harmonic Distortion Meter
  Posted in: Memory – Storage Projects
• Automatic Charger Sharing for Motorcycle Battery Charger using PIC16F628A
  Posted in: Battery Projects, Car Projects, Projects
• F1 Gantry Race Start Lights using PIC16F684
  Posted in: LED Projects, Projects
• Precision Delay Timer for PIC16F628A
  Posted in: Clock – Timer Projects, Projects
• Seven Segment Multiplexing using PIC18F450 Microcontroller
  Posted in: Clock – Timer Projects, Projects
• Audio spectrum analyzer using PIC18F4550
  Posted in: Projects, Sound – Audio Projects
• Lift Counter using PIC12F629 Microcontroller
  Posted in: Clock – Timer Projects, Projects
• MUSIC BOX using PIC12F629 Microcontroller
  Posted in: Game – Entertainment Projects, Projects
• SKY WRITER using PIC12F629 Microcontroller
  Posted in: LED Projects, Projects
• SOLAR TRACKER-1 using PIC12F629 Microcontroller
  Posted in: Home Automation Projects, Motor Projects, Projects
• Touch Switch using PIC12F629 Microcontroller
  Posted in: How To – DIY – Projects, Projects
• Echo MP3 player using PIC18LF452
  Posted in: How To – DIY – Projects, Projects, Sound – Audio Projects
• Understanding I2C for PIC Microcontrollers
  Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Dual programmable keypad code lock using PIC18F452
  Posted in: Projects, Security – Safety Projects
• Electronic door code lock with PIC
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• 100KHz Square Wave generator using PIC16C84
  Posted in: Other Projects, Projects
• Homemade Scope Clock DG7 tube and PIC16F876
  Posted in: Clock – Timer Projects, Home Automation Projects, How To – DIY – Projects, Projects
• MICROCONTROLLER BASED INTERFACE UNIT FOR 5KW MICROWAVE OVEN
  Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• LED flasher using PIC16C84 Microcontroller
  Posted in: LED Projects, Projects
• Microcontroller Adc Project Circuit
  Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Blink LED with XC8 compiler using external Oscillator
  Posted in: LED Projects
• Harmonic Distortion Meter using PIC18F2550
  Posted in: Metering – Instrument Projects, Projects
• Project Board using PIC18F2550 microcontroller
  Posted in: Development Board – Kits Projects, Projects
• In-Circuit PIC Loader using PIC18F458 microcontroller
  Posted in: Microcontroller Programmer Projects, Projects
• Easy Debugging Terminal using PIC16F84
  Posted in: LCD Projects, Projects
• LEARN HARDWARE FIRMWARE AND SOFTWARE DESIGN – BRIEF DESCRIPTION
  Posted in: Development Board – Kits Projects
• Autonomous Foosball Table
  Posted in: Robotics – Automation Projects
• Temperature controlled fan using 16F877A
  Posted in: Temperature Measurement Projects
• Night Light Saver V3.2 using PIC12C508
  Posted in: Home Automation Projects, Projects
• Microcontroller measures heart rate through finger tip
  Posted in: Medical – Health based Projects
• MIDI Chord Button Keyboard Using PIC18F4620 part 3
  Posted in: Projects, Sound – Audio Projects
• Single Pic Micro single shot bi stable Relay
  Posted in: Development Board – Kits Projects, How To – DIY – Projects, Projects
• Design and Development of an Automated Home Control System Using Mobile Phone
  Posted in: Home Automation Projects, Phone Projects
• PIC Controlled Relay Driver using PIC18F844A
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• AC power control with thyristor using pic microcontroller
  Posted in: Other Projects
• Sending SMS Text Message using PIC Microcontroller – Flowcode
  Posted in: GPS Based Projects
• PC Based Digital Voltmeter using PIC 16F877A
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• PIC 16F877 microcontroller based RPM Meter
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• Cell Phone Detector
  Posted in: Phone Projects
• Nokia 3315 / 3310 LCD interfacing with Microcontroller
  Posted in: LCD Projects, Phone Projects
• Digital DC watt meter project using pic microcontroller Posted in: Metering – Instrument Projects
• Picaxe LED night light! Posted in: LED Projects
• Digital Thermometer and Clock Project (Version 1.0) Posted in: Clock – Timer Projects
• Projects on Speed Checker To Detect Rash Driving On Highways Posted in: Metering – Instrument Projects
• Generating PWM with PIC Microcontroller – MPLAB XC8 Posted in: PWM Projects
• Alarm Clock Retrofit using PIC16F877 Posted in: Clock – Timer Projects, Projects
• How To Use PIC Microcontroller For Voice Input And Output Posted in: PWM Projects
• Soundtrack using PIC16F888 Microcontroller Posted in: Projects, Sound – Audio Projects
• How to Generate Sound using PWM with PIC Microcontroller Posted in: Sound – Audio Projects
• LCD Module Control over IR Link using PIC16F696 Posted in: LCD Projects, Projects
• How to Implement SPI Using PIC18F4550 Posted in: How To – DIY – Projects
• Introducing the Science of Microchip PIC14 Posted in: Other Projects, Projects
• How to use inbuilt EEPROM of PIC18F4550 Microcontroller Posted in: Interfacing(USB – RS232 – 12c -ISP) Projects
• The Super-Simple pocket size mp3 player using PIC16LF877A Posted in: Projects, Sound – Audio Projects
• PlayPIC Tutorial Board for the PIC16F84A Microcontroller Posted in: Development Board – Kits Projects, Projects
• PIC 16F877 / 16F874 Development Board Posted in: Development Board – Kits Projects, Projects
• PIC USB HID (Human Interface Device) Interfacing Posted in: Interfacing(USB – RS232 – 12c -ISP) Projects
• Message Pump using PIC16F687 microcontroller Posted in: LCD Projects, Projects
• PIC RC Motor Controller (and example lego robot) Posted in: Motor Projects
• PIC and EEPROM Programmer Posted in: Memory – Storage Projects, Microcontroller Programmer Projects, Projects
• Digital Clock using PIC Microcontroller and DS1307 RTC Posted in: Clock – Timer Projects
• LED Microcontroller Debug Module using PIC18F4420 Posted in: LED Projects, Projects
• IKEA Mood-light Conversion using PIC12F5832P Posted in: Home Automation Projects, Projects
• Digital Voltmeter Using PIC Microcontroller 16F877A and Seven Segments Display (0-30V) Posted in: Metering – Instrument Projects
• Universal High-Power LED Driver with 3D-printable Case using PIC16F1823 Posted in: LED Projects, Projects
• Universal High-Power LED Driver – Firmware update using PIC16F1823 Posted in: LED Projects, Projects
• New Earth Time (NET) digital clock in recycled retro-modern case using PIC16F627A Posted in: Clock – Timer Projects, Projects
• RGB LED Mood Light Standalone PWM controller for RGB LEDs using PIC12F629 Posted in: Home Automation Projects, LED Projects, Projects, PWM Projects
• Online Monitoring of Temperature of Conductors Using Zigbee and GSM Posted in: Temperature Measurement Projects
• 3 LED Bike Light for PIC10F200 Posted in: Home Automation Projects, LED Projects, Projects
• Using PicBasic with the PIC16F84 PIC Microcontroller Posted in: Other Projects
• Simple RS232 to logic level converter for PIC microcontroller Posted in: Development Board – Kits Projects, Projects
• How to Glow an LED using PWM with PIC Microcontroller Posted in: LED Projects
• A video game with software generated video signal! Posted in: Game – Entertainment Projects
• Getting Started with MPLAB XC8 Compiler – LED Blinking Posted in: LED Projects
• PIC 18F4550 Motor Controller Video Project Posted in: Motor Projects, Projects
• Complete Intro To PIC’s – Make an LED Flash Video Posted in: LED Projects, Projects
• PIC18F252 Programming Posted in: Microcontroller Programmer Projects
• PIC32 Multimedia Expansion Board Review Video Posted in: Development Board – Kits Projects, LCD Projects, Projects
• PIC-Microcontroller C Tool flow Video Posted in: Microcontroller Programmer Projects, Projects
• How to use the EQ PIC Development Board Video Posted in: Development Board – Kits Projects, Projects
How to interface 16x2 LCD in 4-bit mode with PIC18F4550
How to work with External (Hardware) Interrupts of PIC18F4550
Displaying Images on Graphical LCD(JHD12864E) using Pic16F877 Microcontroller
How to work with intbult Analog Comparators of PIC18F4550
20 LED BADGE using PIC12F629 Microcontroller
How to make(build) a Calculator using Pic16F877 microcontroller
PIC LICK-1 using PIC16F84 Microcontroller
A memory game using a PIC16F84A microcontroller
Serial Data Transfer to PC(Personal Computer) using PIC16F877 Microcontroller USAR
PIC16F877 8-bit 0 code and Proteus simulation
PIC16F877 LED blinking code and Proteus simulation
DC motor and Fan speed control using pic 16F877 Microcontroller
15x7 Display using a PIC16F628 Microcontroller
PIC16F84A internal EEPROM code and Proteus simulation
Photo film processor
How to display custom characters on LCD using PIC16F84A
PIC16F84A LCD interfacing code (In 4bit mode) and Proteus simulation
PIC16C71 four channel digital voltmeter
How to implement free running counter in PIC16F84A using seven segment display
PIC12F675 external interrupt code and Proteus simulation
Weather meter using PIC 16F877 Microcontroller
How to interface keypad with PIC12F675
PIC12F675 8-bit 0 code and Proteus simulation
Two way Simple Very Small Telephone Exchange
PIC16F877 8-bit 0 code and Proteus simulation
How to drive an rgb led using PIC16F877A
Voice controlled wheelchair
A Versatile PIC16F876A Based Robot
Arduino to PIC Communication using PIC18LF4520
Compact PIC18F1320 Microcontroller Board
LEDactus using PIC16F1320 Microcontroller
PIC Based Message wand
Arduino powered temperature sensing RGB LED nightlight using PICaxx
How to interface keyboard with PIC16F877
dsPIC30F2012 breadboard
Logic Probe Plus using PIC12F683
How Seven Segment Display Multiplexing with PIC Microcontroller for Electronic Satt
Buck converter using pic microcontroller and IR2110
Making a binary clock using a PIC16F88
Bit-Banging Serial Interfaces for the Low-End and Mid-Range PICMicros using PIC16F84
A PIC16F819 DYNAMOCLock
Using an LCD’s for Graphics Animation using PIC16C84
PIC16F84A disco light effect with bass beat control
USB and PIC Microprocessors 16C745 and 18F2455
How to interface Seven Segment Display with PIC18F4550 Microcontroller
How to display text on 16×2 LCD using PIC18F4550 Microcontroller

Feedback / Suggestions
- Interfacing LCD with PIC Microcontroller – CCS C
- Mini project board for PIC12F series microcontrollers
- How to Program a PIC Microcontroller to Build a Project
- Trelis – A 3-phase speaker system for Leslie emulation using PIC18F28K22
- Lecture 45, PIC Serial Communication using Serial Peripheral Interface (SPI)
- Basic PIC circuit is not working
- Speed Synchronization of Multiple Motors In Industries using PIC Microcontroller
- Fire Fighting Controlling Robots Used In Dangerous Situations
- IQ Controller with serial port CLI using PIC16F627A
- Alarm Phone Dialer with MT8800 and PIC 16F84A
- Metal detector robot using pic microcontroller
- Digital Barometer using PIC Microcontroller and MPX4115A Pressure Sensor – XCE
- Digit Clock using PIC Microcontroller Interrupt – XCE
- Cooper Bills (csb88) and Anish Borkar (ab673)
- PIC16F877A timer0 code + Proteus simulation
- PIC microcontroller Beginner’s guide: Basic connection circuit
- How to take input with PIC18F4550 Microcontroller
- Low Resource Microcontroller – 3 Phase BLDC Motor Speed Controller
- Interfacing16X2 LCD with PIC Microcontroller
- Video Clock Superimposer using PIC16C711
- Digital Count Down Timer using PIC Microcontroller
- Voltage, Temperature & Frequency Meter With PIC Microcontroller
- 2-Wire LCD Interface using PIC16C84
- Interfacing LM35 Temperature Sensor with PIC Microcontroller
- Temperature Indicator using PIC microcontroller
- A brief overview of Allegro ACS712 current sensor: Part 2 – Interface the sensor with a microcontroller
- Easy Way to Design an Automatic Driverless Train
- Microcontroller controlled Home Entertainment System
- Cheap PIC Programmer
- RGB REMOTE (loginas=web+linksys) using PIC18F2550 microcontroller
- Shriek using PIC16F676 Microcontroller
- Knight Rider Light computer – version 2
- Single-Axis PIC Controlled Solar Tracker DIY Kit using PIC18F1220
- A Beginner’s data logger project using PIC12F683 microcontroller
- Hard Drive Clock using PIC16F828
- Pimp My Rocket (Espresso Machine)
- SUN TRACKER’S WINGS
- A Self-Contained Data Logging Anemometer
- DC Motor Speed Control using Microcontroller PIC-16F877A
- Unipolar Stepper Motor Control Circuit with PIC16F877
- Tens Electronic Muscle Stimulation Device Circuit with PIC16F84
- Phone Projects
- Motor Projects
- Robotics - Automation Projects
- Sensor – Transducer – Detector Projects
- Temperature Measurement Projects
- Video – Camera – Imaging Projects
- Development Board – Kits Projects
- Other Projects, Projects
- PIC Microcontroller Programmer Projects
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• Text in the air with PIC16F84A
• PIC Microcontroller project – 24 hour clock and thermometer displayed via 16890 microcontroller and LCD programmed in C
• Digital thermometer with PIC16F84 circuit
• microcontroller based projects circuit free
• Fire Fighting Robotic Vehicle
• Microcontroller Tutorial 4/5: Creating a Microcontroller Circuit Board
• Microcontroller based Data Logger
• EnvStick USB Temperature Sensor using PIC12F683
• Ponypack Circuit for AVR & PIC16F84
• Navigation Lights for Models for PIC12F629
• Sonar range finder using PIC16F88 Microcontroller
• Smart doorbell System
• COFFEE POWER MANAGER using PIC16F628
• Tutorial: Building cool projects with MCUs (Part 3)
• IR Digital Thermostat for FAN
• Schematic design with the PIC16F84A microcontroller
• Skateboard with PIC microcontroller and LEDs
• Breakout board for 18-pin PIC16F series microcontrollers
• Search Results for: Temperature Controlled Fan using 8051 Microcontroller ...
• Interfacing Temperature Sensor with Microchip PIC16F876A
• Development system for PIC and AVR microcontrollers
• PIC16F84A LED blinking code + Proteus simulation
• Scalextric Sport Race Start Controller using PIC16F627A
• How to Interface LCD with PIC16F877A Slick!
• Simple Button Keypad – Microcontroller
• IR Tracking Turret with PIC and C
• PIC 3x3x3 LED cube
• PIC 16F917 Gyroscope interface
• Easy 16F84 Microcontroller Programmer – JDM
• Adapter for small size PIC/AVR chip programming
• How to get started with PICAXE 08M microcontroller
• LEDs sync to music (with pics of my awesome computer case mod)
• Garage car detector without a microcontroller
• PIC MicroController Volume Adjuster Program[Proteus 8 Simulation]
• DIY Muscle Sensor / EMG Circuit for a Microcontroller
• Development board for Attiny84 Microcontroller
• DIY $1 PIC 12675 JDM Programmer (Cheap and Easy)
• Wave JT – Larson Scanner with Joule Thief
• Aurora 9+18 RGB LED art
• PIC Development Board – Hello World Project
• LED Character Moving English Font Display Project (8x16)
• Interfacing DC Motor with PIC Microcontroller using L293D
• 30 volts Panel Volt Meter Using PIC MCU
• Tiny AVR Microcontroller Runs on a Fruit Battery
• Breathalyzer circuit using 8051
• IR-Sensor Circuit and Interfacing with PIC Microcontroller
• Password Based Door Lock System using 8051 Microcontroller
• Breadboard module for 18-pin PIC16F microcontrollers (PCB version)
• Air Sampler using PIC16F690 microcontroller Posted in: Medical – Health based Projects, Projects
• Digital Temperature Sensor Circuit Posted in: LED Projects
• How to work with inbuilt ADC Module of PIC18F4550 Posted in: Projects, Sensor – Transducer – Detector Projects, Tutorials
• PIC16F84A timer0 code and Proteus simulation Posted in: Clock – Timer Projects, Projects
• Chapter 1: PIC16F877 Microcontroller – Device Overview Posted in: Memory – Storage Projects
• PIC microcontroller power supply circuit by Chayapol Posted in: Microcontroller Programmer Projects
• 8051 MICROCONTROLLER Posted in: LED Projects
• Interfacing DC Motor with 8051 Microcontroller Posted in: Motor Projects
• Latest Microcontroller Based Electronic Project Circuits in 2014 Posted in: Microcontroller Programmer Projects
• IN-8 single nixie tube clock using PIC16F84 Posted in: Clock – Timer Projects, Projects
• Know the Procedure of GSM modem Interfacing with 8051 Posted in: InterfacingUSB – RS232 – I2c – I2c-ISP Projects
• RFID Based Attendance System – Circuit. Working. Source Code Posted in: LCD Projects
• Simple mass storage for your microcontroller project Posted in: InterfacingUSB – RS232 – I2c – I2c-ISP Projects
• CELLPHONE OPERATED LAND ROVER Posted in: Phone Projects
• TIC TAC TOE game using PIC16F628 Posted in: Game – Entertainment Projects, Projects
• Serial Data Received from PC and Displayed on 16x2 Using USBART of PIC16F777 Microcontroller Posted in: LCD Projects
• LED Scrolling Display Project Working With Circuit Diagram Posted in: LED Projects
• Top Microcontroller based Mini Projects for 3rd and 4th Year Engineering Students Posted in: Microcontroller Programmer Projects
• A new multi-function power supply unit for my Embedded Lab using PIC16F689 Posted in: How To – DIY – Projects, Projects
• Build a musical EKG with the Freescale FRDM-KL05 Posted in: Sound – Audio Projects
• Audio CRO using PIC12F675 Microcontroller Posted in: Projects, Sound – Audio Projects
• Automotive Voltage Monitor using PIC12F683 Posted in: Battery Projects, Car Projects, Projects
• Amicus18: Arduino-style platform for PIC fans using PIC18F25K20 posted in: Development Board – Kits Projects, Projects
• Ultrasonic Range Finder Circuit AD605 PIC16F876 Posted in: Development Board – Kits Projects
• Infrared Remote Controlled (IR) Stereable Vibrobot Created by Nabi Soud tech Posted in: Featured, Robotics – Automation Projects
• WHAT IS A PIC MICROCONTROLLER? WHAT CAN IT DO? Posted in: LCD Projects
• Keypad 4×5 for microcontrollers v. 1.1 using PIC16F877 Posted in: Projects, RTOS – OS Projects
• Curiosity Development Kit Board Posted in: Development Board – Kits Projects
• Frequency Counter by PIC16F628 Posted in: LCD Projects
• Electrical Subsystem Schematics Posted in: Sensor – Transducer – Detector Projects
• chipKIT Tutorial 3: Analog-to-digital conversion Posted in: Development Board – Kits Projects
• chipKIT Tutorial 4: Interfacing a character LCD Posted in: Development Board – Kits Projects
• chipKIT Project 1: Digital thermometer using an LM34 sensor Posted in: Development Board – Kits Projects
• chipKIT Project 2: Temperature and relative humidity logger Posted in: Development Board – Kits Projects
• chipKIT Tutorial 5: Pulse width modulation (PWM) Posted in: Development Board – Kits Projects
• chipKIT Tutorial 6: Inter-Integrated Circuit (I2C) communication Posted in: Development Board – Kits Projects
• chipKIT Project 3: Easy Pulse Meter Posted in: Development Board – Kits Projects
• What is Chipkit Development Board? Posted in: Development Board – Kits Projects, Featured
• chipKIT Tutorial 2: Serial communication with PIC Posted in: Development Board – Kits Projects
• chipKIT Tutorial 1: Digital input and output Posted in: Development Board – Kits Projects
• On-Board Satellite Controller using ARM Based Microcontroller Posted in: Development Board – Kits Projects, Wireless Projects
• Universal Driver & Dev Board using PIC16F Posted in: Development Board – Kits Projects, Projects
• chipKIT Project 4: Digital light meter Posted in: Development Board – Kits Projects
• chipKIT Project 5: Digital stopwatch on seven segment LED display Posted in: Development Board – Kits Projects
• chipKIT Tutorial 7: Using Nokia 5110 LCD Posted in: Development Board – Kits Projects
• PIC16F1787 Programmer Board (for Almost all 40 pin 16Fxxx) Posted in: Development Board – Kits Projects
• Programmable Stiffness Joint using pic-microcontroller Posted in: Microcontroller Programmer Projects
• A digital thermometer or talk I2C to your atmel microcontroller using pic microcontroller Posted in: Microcontroller Programmer Projects
• Voice Activated Power Sockets (Home Automation) [Posted in: Home Automation Projects]

• RGB LED PWM Driver for High Power 350mA LEDs using PIC12F629 [Posted in: LED Projects, Projects, PWM Projects]

• PIC 12F675 Programmable 12V Battery Monitor [Posted in: Battery Projects]

• Determine capacitance by measuring the charging time using PIC16F688 [Posted in: Clock – Timer Projects, Metering – Instrument Projects, Projects]

• BATTERY CHARACTERIZER using PIC18F252 [Posted in: Battery Projects, Projects]

• Build this microcontroller controlled rainbow flying disc – and then throw it! [Posted in: LED Projects]

• How to display custom characters on LCD using PIC16F877 [Posted in: LED Projects, Projects]

• PIC18 Development Board with Ethernet and USB [Posted in: Development Board – Kits Projects]

• Intel D945GCLF Small Front Panel using PIC12F629 [Posted in: Projects, RTOS – OS Projects]

• Picaxe Projects #1: Making Fast Printed Circuit Modules [Posted in: Development Board – Kits Projects]

• Microcontroller’s based Password Locker [Posted in: Calculator Projects]

• 3D Printed Microcontroller Dice Roller [Posted in: LED Projects]

• The perfect Remote, Programmable, Controller for interactive LED strips [Posted in: LED Projects]

• Circuit design and electronics using pic-microcontroller [Posted in: Sound – Audio Projects]

• Electronic Heart (Flashing LEDs) – Mother’s Day Project [Posted in: LED Projects]

• Trippy RGB Color Mixing NightLight [Posted in: LED Projects]

• Mädchen Machen Technik using pic-microcontroller [Posted in: LED Projects]

• USB Reprogrammable iButton door lock [Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects]

• PIC KICK TWEET! [Posted in: LED Projects]


• Pinguino Egypt – PIC Based Arduino [Posted in: Development Board – Kits Projects]

• Temperature and relative humidity display with adaptive brightness control using PIC12F683 [Posted in: Projects, Temperature Measurement Projects]

• Gas Cooker & Water Purifier Using Free Energy [Posted in: Other Projects]

• 2-Channel IR Relay Controller for PIC10F200 [Posted in: Internet – Ethernet – LAN Projects, LED Projects, Projects]

• 00 to 99 minute timer using PIC16F628A microcontroller [Posted in: Clock – Timer Projects, Projects]


• Circuit design and electronics using pic-microcontroller [Posted in: Sound – Audio Projects]

• Oscilloscope clock [Posted in: Clock – Timer Projects]

• make your own wearable LED display using pic-microcontroller [Posted in: LED Projects]

• 7 Segment LED display with PIC controller and Flowcode V5 [Posted in: LED Projects]

• Granular Flow Rotating Sphere using pic-microcontroller [Posted in: Home Automation Projects]


• DIY Datalock [Posted in: Memory – Storage Projects]

• Mini AV Test Box using pic microcontroller [Posted in: Development Board – Kits Projects]

• OSEMCOM POCSAG BTS using pic microcontroller [Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects]

• Steam Turret Tank R/C PIC PIC Servo Controller [Posted in: Other Projects]


• SPI to 4 x UART Bridge (MULTIUART) [Posted in: Internet – Ethernet – LAN Projects]

• How to interface GPS with PIC18F4550 Microcontroller [Posted in: GPS Based Projects, How To – DIY – Projects, Projects, Tutorials]

• The Most Useless Machine EVERY! [Posted in: Video – Camera – Imaging Projects]


• Expanding the number of I/O lines using Microchip MCP23008 using pic microcontroller [Posted in: LED Projects]

• Multimeter Clock [Posted in: Clock – Timer Projects]

• Connecting multiple tact switches on a single input pin of a microcontroller [Posted in: LED Projects]

• MikroElektronika's “Ready for PIC” board talks to “Processing” using pic microcontroller [Posted in: LED Projects]

• Nixie Tube Ornament [Posted in: power – energy projects]

• GSM Voice Dialer with Automation Control using PIC18F46K20-I/P-T [Posted in: Home Automation Projects, Phone Projects, Projects]

• Crossed IR Beam Camera/Flash Trigger [Posted in: Video – Camera – Imaging Projects]
• NES Controller iPod Remote Posted in: Development Board – Kits Projects
• Hacking the Xbox CONTROLLER Posted in: Game – Entertainment Projects
• Humidity and temperature measurements with Sensirion’s SHT1x/SHT7x sensors (Part 1) using pic microcontroller Posted in: Temperature Measurement Projects
• Joshua Marchi’s Lab Notebook using pic microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Semi-Automatic NERF Longshot Posted in: Game – Entertainment Projects
• CSCI 255 Lab using pic-microcontroller Posted in: Home Automation Projects, Metering – Instrument Projects
• The ChromoDisk Posted in: LED Projects
• USB Keypad Demonstration – Crystal Free USB and mTouch™ Sensing Solutions using pic microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Lucid Dream/Dream Recall Machine using infrared Posted in: LED Projects
• PIC MCUs: Hardware and Connections using pic-microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• eLab Hackerspace GSM Access Control System Posted in: Phone Projects
• CS2200 Intro to Systems and Networks using pic-microcontroller, Posted in: Internet – Ethernet – LAN Projects
• Aurora 9×18 RGB LED art Posted in: LED Projects
• Towers of Hanoi final report using pic-microcontroller Posted in: Development Board – Kits Projects
• RCS/R6 codes on a LCD using PIC16F648A Posted in: LCD Projects, Projects
• Cheap Easy Solar Powered Robot Posted in: Robotics – Automation Projects
• Andy Robison’s Lab Notebook using pic microcontroller Posted in: LCD Projects
• Arduino controlled light dimmer Posted in: LED Projects
• Data logging with an EEPROM Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Computer Controlled Stat Posted in: LED Projects
• XBee Wireless Servo Control using PIC18F4520 Posted in: Motor Projects, Projects
• How to Create an Eye Catching Display (LED Style) Posted in: LED Projects
• Remote Control mood light[er] Posted in: LED Projects
• An “Antique Radio” Christmas Present Posted in: LCD Projects
• Interactive LED Beer Pong Table 2.0 (BPT X5) Posted in: LED Projects
• One-chip sound player Posted in: Sound – Audio Projects
• Mirror “Tube” – LED Optical illusion Posted in: LED Projects
• RGB LED Color Cycling Circuit Posted in: LED Projects
• BlinkLED Posted in: LED Projects
• Leon’s Mini Random Number Generator (mRNG) using pic microcontroller Posted in: LED Projects
• Vehicle security with GSM Posted in: LCD Projects
• LED LYT Meter; LED, PIC Microcontroller, and Moving Average Code Posted in: Metering – Instrument Projects
• Arduino solar charge controller + output control and data logging online with XBee WiFi Posted in: LCD Projects
• TTPSU – Power supply for turntables with AC motors Posted in: LCD Projects
• Pimp my Pond Posted in: Development Board – Kits Projects
• Microchip PIC16F877 Microcontroller Posted in: LED Projects
• Cheap and Easy Dial Controlled High Power RGB LED(s) Driver Posted in: LED Projects
• How to Create a Beer Bottle LED VU Meter Posted in: LED Projects
• Serial LCD Controller Posted in: LCD Projects
• Analog Experiments Anywhere Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Aurora 9×18 Kit Posted in: LED Projects
• The Rock Posted in: Robotics – Automation Projects
• A PIC Ultrasonic distance meter project using a Seven Segment display and a PIC micro Posted in: LED Projects
• Echo Mo3 DIY Audio player using PIC18F46K20 Posted in: How To – DIY – Projects, Projects, Sound – Audio Projects
• The Glowing Green Robot Posted in: Robotics – Automation Projects
• A PIC Serial LCD Project Posted in: LCD Projects
• Making a mini LED Christmas tree Posted in: LED Projects
• MIDI-Controlled Analog Music Synthesizer Posted in: Sound – Audio Projects

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Solar Tracking System
Zus: trigger your camera with lightning using pic microcontroller
FM RDS Tuner Module for mobile applications using PIC18F48k20
Top Embedded Projects Ideas for Engineering Students
Low power temperature data logger using PIC18F27J53
Photomultiplier Tube (PMT) Controller Circuit B using pic-microcontrollerand
Serial communication with Pic 16f877 using UART
Interfacing VFD with PIC Microcontroller
Interfacing VFD with PIC Microcontroller
LED Sign has a purpose using pic microcontroller
Infra red remote control tester for Philips RC5 protocol
MRNet — Wired Cab Module (Revision A) using pic microcontroller
PIC Microcontroller project — 24 hour clock and thermometer displayed via 16F990 microcontroller and LCD programmed in C
Alchemist Forsel APD15A RC Integrated amplifier
Repair of Arcam CD73 laser mechanism
eDrum — Trigger MIDI Converter using PIC16F877
Marantz CDE35SE laser transport mechanism replacement
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In-Circuit debugger, created by E.E. Atanasios Melimopoulos using PIC16F628 microcontroller
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Electronic Distance Meter using pic microcontroller
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A simple programme for PIC microcontrollers
PIC — First Project
Microchip — Let my robot see! using pic microcontroller
Self-made development board for the 32-bit PIC32MX220F032B Microcontroller
Low cost temperature data logger using PIC and Processing
GPS-based universal clock generator using PIC16F868
Obstacle Sensing Walking Stick for Visually Impaired Persons : Block Diagram
Interfacing 16X2 LCD with PIC Microcontroller
Automatic door lock system using 8051(89c51,89c52) microcontroller
DIY MIDI controllers using PIC microcontrollers and Basic Stamps using pic microcontroller
Very Accurate LC Meter based on PIC16F628A
EMDP1 — Extensible Multiple Device Programmer 1 (Rev. C) using pic microcontroller
10 tricks for interfacing to the PIC16C508
Automatic door opener with PIC12C508 Circuit
The Saltwater etch process using PIC16F54 microcontroller
• A discussion on the drive-current for the outputs of a PIC12C508A microcontroller Posted in: Battery Projects, Interfacing(USB – RS232 – I2c -ISP) Projects

• Led Display Boards InBulk using pic microcontroller Posted in: LED Projects

• Localizer with SIM908 module using PIC18F6722 Posted in: GPS Based Projects, Phone Projects, Projects

• First Servomotor Control Program Posted in: Motor Projects

• A PIC frequency counter operating up to about 50 MHz using pic microcontroller Posted in: Calculator Projects

• A simple spectrum analyzer using dsPIC30F4011 Posted in: Projects, Sound – Audio Projects


• How to drive an rgb led using three microcontroller pins. using pic microcontroller Posted in: LED Projects

• Night Light Saver V3.2 (PIC12C508) Posted in: LED Projects

• Schematics and C code for a 0-5V PIC LCD Volt Meter using pic microcontroller Posted in: LCD Projects, Metering – Instrument Projects

• Making a binary clock using a PIC Microcontroller Posted in: Clock – Timer Projects

• Relay Timer with PIC16F628 Posted in: Clock – Timer Projects, LCD Projects

• Rotary Encoders Posted in: LED Projects, Motor Projects

• 12F675 Tutorial 6 - A Temperature data logger using PIC EEPROM, using pic microcontroller Posted in: Temperature Measurement Projects


• Intelligent Fan Controller. Part 1 – Schematic using pic microcontroller,Posted in: Temperature Measurement Projects

• Multiple Servomotors Posted in: Motor Projects

• Thermometer with PIC Microcontroller Posted in: Metering – Instrument Projects

• Extend I/O Ports using PIC Microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

• Project Ryu Ladder Guitar Pedal Take 3 using pic microcontroller Posted in: Sound – Audio Projects

• Create Musical Tone using PIC Code Posted in: Sound – Audio Projects

• Connect Ethernet controller with PIC Code Posted in: Internet – Ethernet – LAN Projects


• TechBot line following robot using PIC16F876 Posted in: Projects, Robotics – Automation Projects

• GSM Based Versatile Robotic Vehicle Using PIC Microcontroller Posted in: Robotics – Automation Projects

• Connect USB HID with PIC18F4450 Code Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

• Connect Memory Card using PIC18F4520 Code Posted in: Memory – Storage Projects


• The One Chip Spinning RGB POV Display with conversion software using PIC18F4680 microcontroller,Posted in: Other Projects, Projects

• Digital DCF77 clock with LCD and gong using PIC16F828A Posted in: Clock – Timer Projects, Home Automation Projects, LCD Projects, Projects

• Connect PIC with PIC Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

• USB & GLCD expansion board for 8051SBC using pic microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

• LED Persistence of Vision Display Posted in: LED Projects

• PIC18F2550 Project Board using pic microcontroller Posted in: Development Board – Kits Projects

• Discoglight effect with bass beat control using PIC16F84A Posted in: LED Projects

• How to configure EUSART in PIC18F4550 Posted in: How To – DIY – Projects, Projects, Tutorials

• 8 Channel IR Remote Control Posted in: Home Automation Projects

• Building the Inchworm LCD2 PIC Programmer Debugger using PIC16F877 Posted in: Microcontroller Programmer Projects, Projects

• Serial Data Logger with PIC microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

• Stepper Motor Driver using PIC18F4550 Microcontroller Posted in: Motor Projects

• PIC18F454A Gas Detector using GH-312 sensor Posted in: Sensor – Transducer – Detector Projects


• A DDS Module based on the AD9835 using PIC16F84 Posted in: Other Projects, Projects
- Stepper Motor Speed control with PIC18F4550
- Infrared IR Sensor Interface with PIC18F4550 Microcontroller
- USB Interface Board Tutorial Using PIC18F4550
- RC Servo Switcher using pic microcontroller
- PIC18F2550 : Blink LED using XC8 Compiler
- PIC16F628 4 RGB LED PWM Controller using pic microcontroller
- The Ultra-QP An Ultrasound QSO Party Rig Fun & Educational!
- Q-matic Circuit Application of PIC18F877 Microcontroller
- Gen 3.2 PCS Board Design
- Microcontroller Controlled Metal Detector Projects
- PIC16F84 Evaluation Board
- Seven Segment Display Thermometer with PIC Microcontroller
- Music player built on microcontroller AT91SAM7S256 with ARM core
- Build a digital spirit level using a SCA910 accelerometer using PIC16F884
- Introducing PIC Microcontroller projects
- Countdown Timer using PIC18F8695 microcontroller
- NM2035 – Hi-Fi Stereo Encoder / Multiplexer using pic microcontroller
- PIC based WWVB clock
- Rainbow LED Chaser
- Night Light Saver V3.2 (PIC12C508)
- Building your own Simple Laser Projector using the Microchip PIC12F683 Microcontroller
- C-52EVB Robot Controller
- USB Stepper Motor Driver using pic microcontroller
- Real Time Clock Circuit using Microcontroller
- Connect CAN-SPI with PIC Controller
- Connect CAN Protocol with PIC
- Connect ADC with PIC16F877
- Connect ADC with PIC16F877
- PIC microcontroller development board using pic microcontroller
- Door lock opener
- How-to: USB remote control receiver using pic microcontroller
- Servomotor-based mobile robot control
- PC Interfacing a GameBoy Camera using PIC18F4620 microcontroller
- Right-left scrolling LEDs
- PICMicroProgrammer with the "EICheapo" using PIC18F84
- DMM Piggyback (add RS-232) using PIC16F688 microcontroller
- Tejas Kulkarni’s Lab Notebook using pic microcontroller
- PIC12F675 Microcontroller Based Security Alarm Circuit
- SD Memory Card Interface using pic microcontroller
- Connect to the PIC Microcontroller
- Aurora mini 18 using PIC24FY16KA302 microcontroller
- 01/Watch using PIC16F913 microcontroller
- Protection of personal Radar System using PIC Microcontroller
- PIC16F877 LCD code and Proteus simulation
- Connect Flash Card with PIC18F4520
- Aurora 9 bar – The Essence of Aurora using PIC24F509KA microcontroller
- Converting a Proxxon MF70 Milling Machine To CNC – 4 using PIC24FJ64GB002
- 1-Chip 4-Channel PIC16F886 Data Logger
• Car Anti theft System Project using Microcontroller PIC16F73
• Car Anti theft System Project using Microcontroller PIC16F73
• How to interface LCD with PIC18F4550 Microcontroller
• A Programmable Optical Slave Flash Trigger for Digital Cameras with Processor PIC 12F675
• A Cheap Ultrasonic Range Finder
• How to use PIC16F84A pin as input (Code+Proteus simulation)
• PIC Frequency Counter with Frequency Lock function
• Small Virtual Wall for iRobot Roomba using PIC12F628
• DC Motor Control using Temperature Sensor & 8051 Microcontroller
• picLink RS232 low cost development controller with ADC using PIC16F628A
• 8x8 LED Array Multiplexed Infinity Mirror using PIC18F1320
• USB PIC Programmer : PICKit2 using pic microcontroller
• Robot 1: “Little Jimmy” based on PICAXE-18M2
• embedded microchip
• Mindit 2 – The holoclock using PIC16F88 microcontroller
• Ways to Select a Best Microcontroller for Microcontroller based Projects
• 8x8 LED Array Multiplexed Infinity Mirror using PIC18F1320 microcontroller
• Computer controlled infrared transmitter based on PIC
• Object Detecting Android Mobile Phone Controlled Bluetooth Robot Using PIC Microcontroller 16F877A
• Sine Triangle Square Saw Burst Sweep Noise – runs on a PIC16F870
• High res cap meter with PIC 16F628
• How to use Timers in PIC18F4550 Microcontroller
• A pic programmer circuit based on AN589, using pic microcontroller
• PIC16C54 dual dice electronic project circuit
• Aurora 9x18 RGB LED art using PIC24F08KA101 microcontroller
• POV Toy
• A discussion on the drive-current for the outputs of a PIC12C508A microcontroller
• Interfacing of PIC16F84A with DS1307 (RTC) code and Proteus simulation
• Project on making calculator using PIC16F877 and MikroC Pro
• DIGITAL CLOCK CIRCUITS
• Teddy nightlight multicolor using PIC16F84A microcontroller
• “Mini-Beacon” miniature programmable LED Flasher that is based around a PIC12F629 microcontroller
• Keypad scanning and interfacing with PIC16F877 microcontroller
• One PIC Microcontroller Platform Development Board
• PIC16F877 ISA Ethernet Web Server Project
• How to adapt a NES clone controller to bluetooth using PIC12F675
• Four way traffic light signal using PIC16F84A microcontroller
• RS232 Communication with PIC Microcontroller
• Implementation USB into microcontroller: IqspPlus+USB (AVR) using pic microcontroller
• Interfacing 7 segment display with pic16f877 microcontroller
• A Real Time Clock IC (DS1307) project using the PIC micro
• Prometheus/Pandora’s Box using PIC12C508 microcontroller
• PIC based WWVB clock
• Reading Nintendo 64 controller with PIC microcontroller

http://pic-microcontroller.com/project-list/
New Earth Time digital clock in recycled retro-modern case using PIC16F627A Posted in: Clock – Timer Projects
LED Matrix Backpack Posted in: LED Projects
GSM based Control System by pic microcontroller Posted in: Internet – Ethernet – LAN Projects
MintLite Part I Posted in: Home Automation Projects
PIC Controlled Relay Driver using pic microcontroller Posted in: Other Projects
Interfacing with The Energy Detective using pic microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
Water Filter Controller Posted in: Home Automation Projects
How to interpret the direction of rotation from a digital rotary switch with a PIC using PIC16F877A Posted in: How To – DIY – Projects, Projects
Iron in the Fire II Posted in: Battery Projects
LED Sensors Posted in: LED Projects, Sensor – Transducer – Detector Projects
PIC Industrial and Domestic Timer (Relay Controller) Posted in: Clock – Timer Projects
Aurora 48 – 48 RGB LED Sequential Posted in: LED Projects
ISD2560 Voice Recording Playback Project PIC16F84 Controlled Posted in: Sound – Audio Projects
True USB GO-4X Programmer using pic microcontroller Posted in: Microcontroller Programmer Projects
Mini F1 race track Grid Start Lights using PIC12F627A Posted in: Game – Entertainment Projects, Projects
DIY plug-in modules to make microcontroller breadboarding easier Posted in: Development Board – Kits Projects
A remote controlled power RGB LED mood light using PIC16F627A Posted in: Game – Entertainment Projects, Home Automation Projects, LED Projects, Projects
Low cost OLED module interface using PIC18F452 Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LED Projects, Projects
Microcontroller with single LED Project in Proteus Posted in: LED Projects
Aurora 9 bar – The Essence of Aurora using PIC24FJ8KA101 Posted in: LED Projects, Projects
PIC16F84 Introduction Posted in: Microcontroller Programmer Projects
IRMimic™ Trainable IR Remote Control Transmitter using pic microcontroller Posted in: Other Projects
LED Strobe for PIC12F629 / 675 Posted in: LED Projects
Which-a-Veggie using PIC18F4550 microcontroller Posted in: Development Board – Kits Projects, Game – Entertainment Projects, Projects
DC motor control with Joystick and PIC16F877A Posted in: Motor Projects
A Word Clock using PIC16F877 microcontroller Posted in: Clock – Timer Projects, Projects
Ways you can use the DDS Daughtercard Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
Misc Projects: High Power RGB LED Controller Posted in: LED Projects
Nike+iPod reverse engineering (protocol too) using pic microcontroller Posted in: Sensor – Transducer – Detector Projects
Augustus’s Lab Notebook using pic microcontroller Posted in: LCD Projects
Throbbing Apple Logo Sticker using PIC10F206 microcontroller Posted in: Battery Projects, LED Projects, PWM Projects
Programmable watch with four character display using PIC16F628A microcontroller Posted in: LED Projects, Microcontroller Programmer Projects, Projects
IR(infrared) Remote Control Relay Board with PIC 12F675 Microcontroller Posted in: Home Automation Projects
PIC’ing the MAX5581: Interfacing a PIC Microcontroller with the MAX5581 Fast-Settling DAC Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
LED fireflies prototype using PIC12683 microcontroller Posted in: LED Projects, Projects
RGB LED PWM Driver for High Power 350mA LEDs v3 using PIC12F628 Posted in: LED Projects, Projects, PWM Projects
Open Automation Project Posted in: Robotics – Automation Projects
- STEAM GENERATOR using PIC16F877
- Posted in: Home Automation Projects, Projects
- Introduction to the PIC32 using pic-microcontroller
- Posted in: Video – Camera – Imaging Projects
- PIC16C74 Embedded 10BaseT Ethernet CS8900
- Posted in: Internet – Ethernet – LAN Projects
- Experimenter’s board for enhanced mid-range PIC microcontrollers (PIC16F827 and PIC16F1847)
- Posted in: Development Board – Kits Projects, Projects
- Infrared (IR) Object Detection Module Circuit Using IR LED and Photodiode
- Posted in: LED Projects
- PIC16F877 based controllable digital clock using LCD display (Code+Protex simulation)
- Posted in: Clock – Timer Projects, LCD Projects, Projects
- USB Interface Board Driver Installation PIC18F4550
- Posted in: Interfacing(USB – RS232 – I2c –ISP) Projects
- Very Accurate LC Meter based on PIC16F628A using pic-microcontroller
- Posted in: Metering – Instrument Projects
- Interface single and Dual IR Infrared sensor with PIC18F4550 and LCD
- Daft Punk Table Replica Graphics Controller using PIC18F2550
- Posted in: Other Projects, Projects
- Frankenbear Synthamajig using PIC16F877 microcontroller
- Posted in: Game – Entertainment Projects, Projects
- 4 Channel DMX512 Driver for PIC16F88
- Posted in: Development Board – Kits Projects
- MEASURING HEART RATE USING A PHOTOPLETHYSMOGRAPHIC CARDIOTACHOMETER using pic-microcontroller
- Posted in: Medical – Health based Projects
- Using Fixed Voltage Reference (FVR) for A/D conversion in enhanced mid-range PIC microcontrollers
- Posted in: LED Projects
- PIC18F4550 Tutorial: Blinking an LED
- Posted in: LED Projects
- PIC18F4550 Tutorial: Blink LED – 2
- Posted in: LED Projects
- A modified version of the “Air display” adapted to be used in a bicycle using PIC12F629 microcontroller
- Posted in: Other Projects, Projects
- Stepper Motor Driver using PIC18F4550 Microcontroller
- Posted in: Motor Projects
- Schaer+ Programmer using PIC12F629 microcontroller
- Posted in: Microcontroller Programmer Projects, Projects
- USB Interface Demo Board Using PIC18F4550
- Posted in: Interfacing(USB – RS232 – I2c –ISP) Projects
- In circuit serial programmer for PIC16F87X
- Posted in: Microcontroller Programmer Projects, Projects
- uSocket – USB controlled Socket with PIC18F4550
- BOOTLOAD THE PIC18F4550 – FIRMWARE UPDATING
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- Temperature Recorder using PIC12F683 microcontroller
- Posted in: Projects, Temperature Measurement Projects
- 3-Switch Mini IR Remote Control for PIC10F200
- Posted in: Internet – Ethernet – LAN Projects, Projects
- C# Software and Firmware, USB INTERFACE BOARD
- Posted in: Interfacing(USB – RS232 – I2c –ISP) Projects
- PIC18F4550 – LCD display i2d162a (2 x 16) Interface
- Posted in: LCD Projects
- PICADC – a free, PIC based “intelligent” A/D converter using PIC16F84
- Bicycle Persistence of Vision Light Display — February 2007
- Posted in: Home Automation Projects
- A simple 50 MHz diy microwattmeter using PIC16C84
- Posted in: Metering – Instrument Projects, Projects
- Petlier-Powered Drink Cooler!
- Posted in: Home Automation Projects
- PIC16C83 Midi controlled Light dimmer
- Posted in: Home Automation Projects, Projects, Sound – Audio Projects
- LED-Guided Piano Instruction using pic microcontroller
- Posted in: Sound – Audio Projects
- automatic power factor controller using microcontroller
- Posted in: Microcontroller Programmer Projects
- Picaxe Blending Nightlight using pic12683
- Posted in: LED Projects
- lm32 capacitor inductometer circuit pic 16b84 auto range Icmeter
- Posted in: Metering – Instrument Projects
- Introducing the BOLT PIC18F2550 Microcontroller Board using pic microcontroller
- Posted in: LCD Projects
- Mork Microchip PIC32MX ICSP
- Posted in: Development Board – Kits Projects
- Water Wave/Tide/Level Meter 2.0 using PIC16F88
- Posted in: Metering – Instrument Projects, Projects
- Fun with Voltage Regulators
- Posted in: Game – Entertainment Projects
- Rotating Sprocket Wheel Generator using PIC16F84
- Posted in: Other Projects, Projects
- PIC Based Oscilloscope Clock
- Posted in: Clock – Timer Projects
- Lab 3: Four bit binary counter using PIC16F88
- Posted in: Clock – Timer Projects, Projects
- How to Program a PIC Microcontroller & Read an Encoder
- Posted in: Microcontroller Programmer Projects
- PIC16F88 breadboard module for quick prototyping
- Posted in: Development Board – Kits Projects, Projects
- Building the Inchworm ICD2 PIC Programmer / Debugger
- Posted in: Microcontroller Programmer Projects
• 2-wire LCD interface using PIC16F84

• PIC 16F917 Microcontroller Programmer

• The Taking Breathalyzer Mark II using PIC18F1220

• Ide To Usb Converter Circuit Diagram

• Alarm Clock using PIC16F74 microcontroller

• Balanced Line Attenuator

• Hello World Project With PIC Microcontroller – Part II

• 3-Channel IR Relay Controller with user programmable IR commands for PIC12F622

• Two Channel PC Based Oscilloscope USB

• PIC microcontroller ATA library

• Cheap PIC Programmer using PIC16F84 microcontroller

• Using Diode 12864ZW LCD with PIC18F

• USB Audio Streamer A Microchip PIC based sound card

• Quozi’s Alarm Clock using PIC16F877

• Simplest Temperature Data Logger using PIC12F683

• PIC12F1840 + I2C 24FC1025 EEPROM

• PIC 16F917 Gyroscope interface

• Building a PIC18F USB device

• internetworking with microchip microcontroller pic18f+enc28j60

• PIC16F84 Fundamentals

• Microprocessors Garland

• Motion Activated Led Dice using PIC16F888

• Car battery charger with PIC12F683

• 9 Volt Battery Charger

• LED dot matrix scrolling message – 14×5 – source code

• Mechanically scanned laser display using PIC17F877

• Open Source Framework for USB Generic HID devices based on the PIC18F and Windows

• Max the Spider – powered by LEGO and PIC microcontroller

• Pic 16F676 ICSP programing socket for the PICkit 2 programe

• How to make a ‘Propeller Display’ using PIC microcontroller

• Poor man’s counter using PIC16F84 microcontroller

• PIC Game System

• Pulse Spy Detector using PIC12683 microcontroller

• Interfacing the AT keyboard

• Building the PIC16F84 based game system

• Chronograph for Air Cannon using PIC16F628A microcontroller

• PIC-Tetris

• Low cost temperature data logger using PIC and Processing using PIC12F1822

• SX Game System

• Revised version of LM35 based digital temperature meter using PIC16F888

• Microchip PIC Microcontrollers

• SX-Tetris

• Leaving home light using PIC12F675 Microcontroller

• SX-Pong

• Displaying text on LCD by interfaced with PIC16F877 microcontroller in 4 bit mode

• Build yourself flashing message on PIC16F877A with assembler
• PIC – an RS485-like multi-drop bus with half duplex serial protocol Posted in: Other Projects

• Virtual Game System – A game console with a mechanically scanned display. Posted in: Game – Entertainment Projects

• Embedded Linux Controller using pic microcontroller! Posted in: LCD Projects

• DIAL ALARM Posted in: Clock – Timer Projects

• Virtual Pot! Posted in: Game – Entertainment Projects

• Virtual Trifis Posted in: Game – Entertainment Projects


• PIC ­ Bot II Posted in: Game – Entertainment Projects

• Original PICKIT-2 microcontroller programmer Posted in: Microcontroller Programmer Projects

• PIC12F675 software UART (bit banging) code and Proteus simulation Posted in: How To – DIY – Projects, Projects


• How to choose a MicroController using PIC16C84 microcontroller Posted in: Development Board – Kits Projects, LCD Projects, Projects

• Mechanically scanned RS232 display (with dynamic speed) Posted in: Metering – Instrument Projects

• Solar Recorder Posted in: Other Projects

• Humidity and temperature measurements with Sensirion’s SHT1x/SHT7x sensors using PIC18F2550 (Part 1) Posted in: Projects, Sensor – Transducer – Detector Projects, Temperature Measurement Projects

• PIC16F200 based Dice Posted in: LED Projects


• Rev 4.2.2 schematic and PCB Posted in: Development Board – Kits Projects

• Project Ryu Lagger – Guitar Effect Posted in: Sound – Audio Projects


• Getting started with PIC Microcontroller Programming Posted in: Microcontroller Programmer Projects

• How to interface Servo Motor with PIC18F4550 Posted in: How To – DIY – Projects, Motor Projects, Projects, Tutorials

• TAXI PHONE Posted in: Phone Projects

• Servo Motor Control using Microcontroller PIC16F877A Posted in: Motor Projects

• Electronic Die using PIC16F84 microcontroller Posted in: Development Board – Kits Projects, LED Projects, Projects

• Simple Digital GPS Speedometer Using PIC16F877A with LCD Display Posted in: LCD Projects, Metering – Instrument Projects

• How to interface LEDs with PIC18F4550 Microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LCD Projects, Projects

• 0-5V LCD volt meter using PIC16F877A Posted in: LCD Projects, Metering – Instrument Projects, Projects

• SMS Based Device Control using GSM Modem Posted in: Home Automation Projects

• Rubidium Atomic Clock Posted in: Clock – Timer Projects

• 8 Channel PWM LED Chaser using 16F628A and 16F88 Posted in: LED Projects

• Build your own “2-Wire LCD Interface” using the PIC16C84 microcontroller Posted in: LCD Projects

• “Fluffy” – A Scenix (and PIC) Programmer Posted in: Microcontroller Programmer Projects

• GSM Modem Interface with PIC 18F4550 Microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

• PIC PROGRAMMER MkV using PIC12F629 Posted in: Blog, Microcontroller Programmer Projects, Projects

• Capacitance Meter MkII using PIC12F629 Posted in: Metering – Instrument Projects, Projects

• How to Interface I2C External EEPROM 24LC84 to PIC Microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

• Almost No Parts’ 12/24hrs LED Clock using pic microcontroller Posted in: Clock – Timer Projects

• PCB layouts using CAD Posted in: Other Projects

• 18 pin PIC Development Board using PIC16F822 Posted in: Other Projects, Projects

• One Chip Video Poker using PIC16F628 microcontroller Posted in: Game – Entertainment Projects, Projects

• Fun with PCBs Posted in: Game – Entertainment Projects

• PIC programmers for parallel port Posted in: Microcontroller Programmer Projects

• Breadboard module for PIC16F628A Posted in: Development Board – Kits Projects, Projects

• SD/SDHC CARD SOUND RECORDER Posted in: Sound – Audio Projects

• PIC 16C84 VT-52 Emulator for Linux Posted in: LCD Projects

• Original PICKIT-2 microcontroller programmer Posted in: Microcontroller Programmer Projects

• PIC-Bot II Posted in: Other Projects
- Interfacing HC-SR04 Ultrasonic Sensor with PIC Microcontroller
- GPS to SD-Card Data Logger using PIC16F819 microcontroller
- Serial communication with Matlab pic-microcontroller
- Telephone operated remote control using PIC16F84A microcontroller
- Whistle Key Finder using PIC12F628
- DIY, Microcontroller-Based Battery Monitor for RC Aircraft
- Serial to PIC Interface using PIC Microcontroller
- A PIC-Based Temperature Alarm using PIC16C84
- Nokia 1100 LCD Interfacing with Microcontroller
- TinyWireMCP23008 – MCP23008 library for ATtiny85 microcontroller
- Digital Meter Adapter – DMAD
- Voltmeter Ammeter Kit
- Long Period Astable Timer using PIC12F628
- PIC micro Timer Code
- Voltmeter Ammeter Kit – Blue Backlight LCD
- Single button code entry for a digital lock using PIC16F628A
- Build your Own PCB Exposure Box with Fluorescent Lamps and Countdown System
- MOTM Compatible Dual Channel Quantizer
- D1820 Arbitrator V2.00 Schematic / Parts List
- Low cost LCD module interface with optional LED backlight using PIC18F452
- Low cost I2C PIC-programmer using PIC16F648A
- Solar tracking system using pic microcontroller
- PIC18F452 to PC USB 2.0 interface with FT245BM
- Serial LCDs you can make your own using PIC12F683
- MCU controlled Bluetooth automation with infrared sensor
- How to generate video signals in real-time using a PIC16F84
- Voltage monitor for car's battery and its charging system PIC16F1827
- 89Sxx Development Board
- Solar power auto irrigation system using microcontroller
- PICChess
- Details of PIC I2CSP and how to use it for pic microcontrollers
- PIC based WWW clock
- Interfacing RTC with Microcontroller
- Solar Recorder using PIC18F458 microcontroller
- USB Low Pin Kit
- Interfacing LCD Modules with PIC Microcontrollers
- APPLICATION OF MICROCONTROLLER IN AUTO DETECT DOOR OPEN AND PAPER JAM ERROR using pic microcontroller
- OSCCAL Value Finder
- 8051 Microcontroller Overview & Hardware – Tutorial #1
- Smart Button using PIC10F microcontroller
- LED UV exposure box
- Ultra low cost solar-rechargeable persistence of vision display using PIC10F206
- Using the MAX6965 LED Display Driver with a PIC Microcontroller to Scroll Messages
- Microcontroller Clapper Switch
- Use a PIC Microcontroller to Control a Hobby Servo
- Build your Own PCB Exposure Box with Fluorescent Lamps and Countdown System
- Digital watt meter using PIC microcontroller
- ICSP programmer for PIC32 microcontroller
- Interfacing Ultrasonic Distance Sensor : ASCII Output with PIC Microcontroller
- Simple Digital Current Meter (DCM) using PIC microcontroller (Schematic + code + Proteus simulation)
- 3-Wire Serial LCD using a Shift Register
- Execute Open-Source Code in a PIC Microcontroller Using the MPLAB IDE
- 10-minute sewable iPod remote using PIC10F222 microcontroller
- Versatile SOIC PIC Programming Header using PIC18F85
- LED Interface with PIC Microcontroller: Embedded C program with circuit using pic microcontroller
- How to Wire a PIC Microcontroller?
- $15.00 BASIC Computer using PIC32MX1 microcontroller
- DS1820 Temperature regulator using PIC16F628
- Wireless 10 channel receiver using PIC16F638
- LED Interfacing with PIC Microcontroller: Embedded C program with circuit using pic microcontroller
- How to use a 74HC595 Shift Register with an AVR ATiny13
- Another DIY function generator using PIC16F628
- Worlds Most Useless Machine Rebuild
- pic18f2550 Microcontroller Project Board
- Electrical Subsystem
- Wireless PICAXE-based water tank level sensor
- Driving LCD directly from PIC
- Spooky Led lamp using PIC12F675 microcontroller
- Matrix Keypad interfacing with PIC microcontroller
- 2-Wire Keypad Interface Using a 555 Timer using PIC16F628A
- THE SIMPLE ROVERBOT
- PIC-Programmer 2 for PIC16C84 etc.
- An Introduction to Brushless DC Motor Control
- Roll and temperature sensor applications using PIC18F2550
- MEASURING HEART RATE USING A PHOTOPLETHYSMOGRAPHIC CARDIOTACHOMETER
- PIC-microcontroller
- Digital clock ds1307 using PIC microcontroller
- PIC based Oscilloscope
- The Magnetometer using PIC16F688
- Leon’s Mini Random Number Generator
- 8051-PIC MICROCONTROLLER PROJECTS
- Mädchen Machen Technik
- IR On/Off Switch Using Microcontroller
- TO-USB-01 interface with mouse sensor board using PIC18F2550
- Interfacing LCD and Keypad with PIC16F877A Microcontroller
- Simple Power Guard – PIC12F883
- Making a simple clap switch using PIC12F883
- Temperature controlled fan using PIC 16F877A
- Feedback / Suggestions
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An AVR microcontroller based Ethernet device  
Posted in: Internet – Ethernet – LAN Projects

LED Heart PWM Fading using PIC18F252  
Posted in: Game – Entertainment Projects, LED Projects, Projects, PWM Projects

motor controller for R/C models  
Posted in: Motor Projects

DIY Digital Clock with Temperature Display using PIC Controller  
Posted in: Clock – Timer Projects

Tiny PIC footloader using PIC16F microcontroller  
Posted in: Projects, RTOS – OS Projects

Humidity and temperature measurements with Sensiron’s SHTx/SHTz sensors using PIC18F2550 (Part 2)  

Digital Count Down Timer using PIC Microcontroller  
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Interfacing Bluetooth Module HC-06 with PIC Microcontroller  
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50 MHz frequency counter, voltage meter & SWR/PWR indicator using PIC16C71  

UART Communication using PIC Microcontroller  
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Interfacing Servo Motor with PIC Microcontroller using MPLAB and XC8  
Posted in: Motor Projects

GPS REPEATER/SYSTEMS MONITOR using PIC16F876  
Posted in: GPS Based Projects, Projects

Generating PWM using PIC Microcontroller with MPLAB and XC8  
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DIY Microcontroller – Hand Dynamometer  
Posted in: How To – DIY – Projects

Using ADC Module of PIC Microcontroller with MPLAB and XC8  
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LabVIEW motion controller using pic microcontroller  
Posted in: LED Projects

7 Segment Display Interfacing with PIC Microcontroller  
Posted in: LCD Projects

LCD interface with Microcontroller PIC, Beginner’s guide using pic microcontroller  
Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LCD Projects

Display Custom Characters on 16×2 LCD using PIC Microcontroller and XC8  
Posted in: LCD Projects

Dspic-Servo Project using PIC30F4012 microcontroller  
Posted in: Other Projects, Projects

PIC16F88 Delorme Triamate GPS Logger  
Posted in: GPS Based Projects, Projects

LCD Interfacing with PIC Microcontroller using MPLABX and XC8  
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Basics of LED dot matrix display. Part 1. Theory using pic microcontroller  
Posted in: LED Projects

PIC Based Car Battery Voltage Monitoring System  
Posted in: Car Projects

Understanding Timers in PIC Microcontroller with LED Blinks sequency  
Posted in: Clock – Timer Projects

LED Blinks Sequency using PIC Microcontroller  
Posted in: LED Projects

LED Blinks with PIC Microcontroller  
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An LED Persistence Of Vision Name Badge using PIC16F88  
Posted in: LED Projects, Projects

Writing Your First Program with PIC Microcontroller and Setting up Configuration Bits  
Posted in: LED Projects

Infra-Red Transmitter using PIC12F675 microcontroller  
Posted in: Internet – Ethernet – LAN Projects, Projects, Radio Projects

RDS/RBDS decoder with optional FM stereo receiver using PIC18F452  
Posted in: Projects, Radio Projects

Using Easy Pulse mikro with MPLAB Xpress board  
Posted in: Sensor – Transducer – Detector Projects

PICs in Space  
Posted in: Video – Camera – Imaging Projects

Programmable relay switch using PIC MCU (revised version)  
Posted in: Clock – Timer Projects

Digital Thermometer using PIC Microcontroller and LM35 Temperature Sensor  
Posted in: Sensor – Transducer – Detector Projects

How to make a contact-less digital tachometer using IR-light reflection technique  
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Using Push Button Switch – MPLAB XCB  
Posted in: LED Projects

Interfacing Servo Motor with PIC Microcontroller – MPLAB XCB  
Posted in: Motor Projects

Single Chip Temperature Data Logger  
Posted in: Temperature Measurement Projects

Custom Characters on LCD using PIC – MPLAB XC8  
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4 ALARM SOUNDS using PIC12F629  
Posted in: Projects, Security – Safety Projects

Interfacing LCD with PIC Microcontroller – Hi Tech C  
Posted in: LCD Projects

Schematic PIC Data Logger with Delta-Sigma Converter  
Posted in: Other Projects

LED message system on a Strida folding bicycle wheel using PIC12F675  
Posted in: Game – Entertainment Projects, LED Projects, Projects

Interfacing LCD with PIC Microcontroller – MPLAB XCB  
Posted in: LCD Projects

HandySwipe portable magnetic card reader using PIC16F688  

LED – Transducer – Detector Projects
Interfacing Stepper Motor with PIC Microcontroller
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DC Motor Speed Control using PWM with PIC Microcontroller
Posted in: Motor Projects

Aurora 48 – 48 RGB LED Sequencer using PIC24FV16KA304
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Interfacing Real Time Clock (RTC) DS1307 with PIC Microcontroller
Posted in: Clock – Timer Projects

The simple Joule Thief
Posted in: LED Projects

Interfacing Matrix Keypad with PIC Microcontroller
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LED Christmas Cards using PIC 10F200
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How to make (build) a Calculator using Pic16F877 microcontroller
Posted in: Calculator Projects

Toggle/Blind led on specific delay with pic microcontroller using timers: MPLABX and xc8 compiler
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Mars Clock using PIC16F877A microcontroller
Posted in: Clock – Timer Projects, Projects

Displaying Scrolling (Moving) text on 16x2 led Using Pic16F877 and Pic18F452 Microcontroller
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Joy Stick Controller using PIC12F629
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AT Keyboard Interface V1.04 using PIC16F84

Using Multiplexed 7 Segment Displays – PIC Microcontroller Tutorial
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Color Globe using PIC16F888 Microcontroller
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Interfacing HC-SR04 Ultrasonic Sensor with PIC Microcontroller
Posted in: Sensor – Transducer – Detector Projects

Turntable Photography Equipment using PIC16F84A

Pic-Plot2 GPIB to USB converter

Interfacing Ultrasonic Distance Sensor : ASCII Output with PIC Microcontroller
Posted in: Sensor – Transducer – Detector Projects

PICMAN prototyping board using PIC18LF4553
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Digital Clock using PIC Microcontroller and DS1307 RTC
Posted in: Clock – Timer Projects

PURPIC, the wearable PICKit2 clone using PIC12F508 programmer
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Water Level Indicator and Controller using PIC Microcontroller
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PIC16F877A-Based Temperature Monitoring System
Posted in: Temperature Measurement Projects

28 Pin PIC Terminal Development Board
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Low Cost Solar Lighting Controller
Posted in: LED Projects

How to use PIC18F4550 as a SPI Slave Transmitter

Breadboard using dsPIC30F2012 microcontroller
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Interfacing Relay with PIC Microcontroller
Posted in: Other Projects

Automatic Power Factor Controller using Microcontroller
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