Project List

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.

- Pic 16F676 ICSP programing socket for the PICkit 2 programer  
  Posted in: Microcontroller Programmer Projects, Projects
- 48 Channel Mono / 16 Channel RGB LED Controller using PIC18F2550 microcontroller  
  Posted in: Interfacing(USB – RS232 – I2c - ISP) Projects, LED Projects, Projects
- Mood vase using PIC12F683 microcontroller  
  Posted in: Home Automation Projects, LED Projects, Projects
- Simple JDM PIC Programmer using PIC16f84A microcontroller  
  Posted in: Other Projects, Projects
- DC motor control with Joystick and PIC16F877A  
  Posted in: Motor Projects, Projects
- DMX-512 RGB LED Wash Light Control board using PIC16F688  
  Posted in: Game – Entertainment Projects, Home Automation Projects, Projects
- How to make a Clap-Clap on / Clap-Clap Off switch circuit! using PIC10F222  
  Posted in: How To – DIY – Projects, Projects
- Control a Hobby Servo using PIC18F2455 microcontroller  
  Posted in: Other Projects, Projects
- DTMF Touch Tone Decoder Using Microchip PIC Microprocessor using PIC12F683  
- PIC development/testing board using PIC16F877 microcontroller  
  Posted in: Development Board – Kits Projects, Projects
- 3x3x3 LED Cube using PIC16F690 microcontroller  
  Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LED Projects, Projects
- MATLAB to PIC serial interface using PIC16F877 microcontroller  
  Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LED Projects, Projects
- 8×8 LED matrix using PIC16F690 microcontroller  
  Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LED Projects, Projects
- PIC18F Based 6 Channel DMX Transmitter  
  Posted in: Projects, Radio Projects
- All pic programmer using 16F87X microcontroller  
  Posted in: Microcontroller Programmer Projects, Projects
- ECG on your laptop using PIC16F876 microcontroller  
  Posted in: Medical – Health based Projects, Projects
Remote controlled led dice using PIC12F629 microcontroller

Augmenting a Microcontroller using PIC16F886

Quick Key Adapter, 10 Button HID Keyboard using PIC16F14K50

PWM Fan Controller using PIC16F875 microcontroller

Frequency Detector using PIC12F683 Processor

Twitter Watcher, the #twatch using PIC16F876J60 microcontroller

Parallel 3 Axis CNC Driver, Opto-Isolated, Unipolar Steppers using PIC16F876A 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

Candle Simulator using PIC12F675 microcontroller

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 PIC18F1320

Classic LED 7-Segment Displays using PIC16F887

NOPPP, the “No-Parts” PIC Programmer using PIC16F83

LED Projects

70 Segments from seven 7-Segments using a PIC18F876 and seven C5150s.

I2C keypad using PIC18F4550 microcontroller

LCD Projects

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 PIC16F876

Medallion: Circle LED Animation PIC16F828A

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 Files

Darkroom Timer using PIC16F84 microcontroller
• 2.5 GHz Frequency counter using PIC16F870 Posted in: Clock – Timer Projects, Projects
• Intelligent NiCd/NiMH Battery Charger using PIC16C711 Posted in: Battery Projects, Projects
• Stepper Motor Controller using pic16f628a Posted in: Motor Projects
• PIC Based Speed Controller using PIC16C54 Posted in: Game – Entertainment Projects, Interfaceing(USB – RS232 – I2C -ISP) Projects, Other Projects
• pic18f458 Microcontroller based Solar Recorder Posted in: Sensor – Transducer – Detector Projects
• pic16f683 Microcontroller based Programmable LED Posted in: LED Projects
• PIC16F84A Temperature Controller Posted in: Projects, Temperature Measurement Projects
• Digital Voltmeter (DVM) using PIC16F688 Posted in: Metering – Instrument Projects, Projects
• 0-9999 seconds count down timer using PIC16F683 microcontroller Posted in: Clock – Timer Projects, Projects
• Making a digital capacitance meter using PIC16F628a Posted in: Metering – Instrument Projects, Projects
• How to make a contact-less digital tachometer using IR-light reflection technique using PIC18F2550 Posted in: CNC Machines Projects, Metering – Instrument Projects, Projects
• LED Chaser for PIC16F84A and PIC16F628a Posted in: LED Projects, Projects
• PWM DC Motor Controller for PIC12F683 Posted in: Motor Projects, Projects, PWM Projects
• Radio Button Switch Control using PIC12F629 Posted in: Projects, Radio Projects
• A Beginner’s data logger project using PIC16F683 microcontroller Posted in: Memory – Storage Projects, Projects, Temperature Measurement Projects
• Build A Digital Tachometer/RPM Counter using PIC18F452 Posted in: How To – DIY – Projects, Metering – Instrument Projects, Projects
• Heart rate measurement from fingertip using PIC16F628a Posted in: Medical – Health based Projects, Projects
• PIC12F675 microcontroller as Flip Flop Posted in: Other Projects, Projects
• IR Remote Control Repeater using PIC12F629 Posted in: Internet – Ethernet – LAN Projects, Projects
• Internal Oscillator Recalibration Utility for PIC12F629 Posted in: Clock – Timer Projects, Projects
• Digital alarm clock using PIC16F877 microcontroller Posted in: Clock – Timer Projects, Home Automation Projects, Projects
• Programmable digital timer switch using a PIC16F628a Posted in: Clock – Timer Projects, Projects
• WORLD’S SIMPLEST PROGRAM using PIC12F629 Posted in: Microcontroller Programmer Projects, Projects
• HAPPY BIRTHDAY using PIC12F629 Microcontroller Posted in: Game – Entertainment Projects, Home Automation Projects, Projects
• Motion detection alarm using a PIR sensor module with a PIC12F635 Posted in: Projects, Security – Safety Projects, Sensor – Transducer – Detector Projects
• Wifi robot vehicle controlled by PIC16F628a Posted in: Internet – Ethernet – LAN Projects, Projects, Robotics – Automation Projects
• 2 Digit up/down Counter using PIC16F628a Posted in: Clock – Timer Projects, Projects
• VGA display using PIC18F452 microcontroller Posted in: LCD Projects, Projects
• Microcontroller based Diode and Bipolar Junction Transistor (BJT) tester using PIC16F688 Posted in: Metering – Instrument Projects, Projects
• Wireless MultiMeter using PIC18F452 Microcontroller Posted in: Metering – Instrument Projects, Projects, Radio Projects
Servo Motor Controller using PIC12F629  Posted in: Motor Projects, Projects


Digital stopwatch using microcontroller  Posted in: Clock – Timer Projects

Converting a Proxxon MF70 Milling Machine To CNC – 2 using PIC18F4620  Posted in: CNC Machines Projects, Projects

Naked Clock using PIC16F877 Microcontroller  Posted in: Clock – Timer Projects, Projects


Tampered Energy Meter Monitoring Conveyed to Control Room by GSM with User Programmable Number Features  Posted in: Metering – Instrument Projects

Vehicle Theft Control System by Using GSM and GPS Systems  Posted in: GPS Based Projects


Digital DC Power supply using PWM with PIC microcontroller  Posted in: PWM Projects


PIC16CXXX real time clock electronic project  Posted in: Clock – Timer Projects

Interfacing GPS Receiver with 8051 Microcontroller -AT89C52  Posted in: Interfacing(USB – RS232 – I2c – ISP) Projects


PWM DC Motor Speed Controller Circuit Using PIC16F877A Microcontroller  Posted in: Motor Projects

Simple Generating Pulse Width Modulation using PIC Microcontroller – Mikro C & Proteus Simulation  Posted in: PWM Projects

Serial Controlled RGB LED PWM Driver PIC12F629 based PWM controller for RGB LEDs  Posted in: LED Projects, Projects, PWM Projects


Microchip PIC Serial Port Programmer  Posted in: Microcontroller Programmer Projects

LM386 based stereo audio amplifier with digital volume control using PIC18F2550  Posted in: Projects, Sound – Audio Projects

PIC 16F88 Microcontroller PIC based Tengu  Posted in: LED Projects

Line following Robotic Vehicle using Microcontroller  Posted in: Robotics – Automation Projects


Digital Clock Using Microcontroller 89C52/89S52  Posted in: Clock – Timer Projects

How to interface RFID with PIC18F4550 Microcontroller  Posted in: How To – DIY – Projects, Projects, RFID – NFC Projects, Tutorials


Strobe Lights Project  Posted in: LED Projects

HD44780 16×2 Char LCD Interfacing with microcontroller  Posted in: Interfacing(USB – RS232 – I2c – ISP) Projects, LCD Projects


Password Based Circuit Breaker using PIC Microcontroller with C code  Posted in: Development Board – Kits Projects

Speed Control of DC Motor using Microcontroller by using PWM ECE Project  Posted in: Motor Projects

1. Serial interfacing LCD with Pic Microcontroller  Posted in: LCD Projects

MOTION SENSOR USING PIR SENSOR MODULE WITH PIC MICROCONTROLLER AND WITHOUT MICROCONTROLLER  Posted in: Sensor – Transducer – Detector Projects

Top PIC Microcontroller Projects with Embedded C Programming  Posted in: Microcontroller Programmer Projects

Digital Ammeter circuit using pic microcontroller  Posted in: Metering – Instrument Projects


Solar energy measurement using pic microcontroller  Posted in: power – energy projects

Pic Projects With Schematics And Source Code  Posted in: LCD Projects

PIC16F877 timer1 code and Proteus simulation  Posted in: Clock – Timer Projects, Projects

Big 7-segment Digital Clock  Posted in: Clock – Timer Projects

PIC16F877A LED blink  Posted in: LED 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 (RC) Steerable Vibrobot Created by Naghi Sotoudeh**  
  *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:* chipKIT Projects, Development Board – Kits Projects

• **chipKIT Tutorial 4: Interfacing a character LCD**  
  *Posted in:* chipKIT Projects, Development Board – Kits Projects

• **chipKIT Project 1: Digital thermometer using an LM34 sensor**  
  *Posted in:* chipKIT Projects, Development Board – Kits Projects

• **chipKIT Project 2: Temperature and relative humidity logger**  
  *Posted in:* chipKIT Projects, Development Board – Kits Projects

• **chipKIT Tutorial 5: Pulse width modulation (PWM)**  
  *Posted in:* chipKIT Projects, Development Board – Kits Projects

• **chipKIT Tutorial 6: Inter-Integrated Circuit (I2C) communication**  
  *Posted in:* chipKIT Projects, Development Board – Kits Projects

• **chipKIT Project 3: Easy Pulse Meter**  
  *Posted in:* chipKIT Projects, Development Board – Kits Projects

• **What is Chipkit Development Board?**  
  *Posted in:* chipKIT Projects, Development Board – Kits Projects, Featured

• **chipKIT Tutorial 2: Serial communication with PC**  
  *Posted in:* chipKIT Projects, Development Board – Kits Projects

• **chipKIT Tutorial 1: Digital input and output**  
  *Posted in:* chipKIT Projects, 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:* chipKIT Projects, Development Board – Kits Projects

• **chipKIT Project 5: Digital stopwatch on seven segment LED display**  
  *Posted in:* chipKIT Projects, Development Board – Kits Projects

• **chipKIT Project 7: Using Nokia 5110 LCD**  
  *Posted in:* chipKIT Projects, 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:* LCD 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:* chipKIT Projects, 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

• **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:* LCD Projects

• **Computer-Controlled Light-Up Water Fountain using pic-microcontroller**  
  *Posted in:* Interfacing(USB – RS232 – I2c –ISP) Projects

• **Computer-Controlled Light-Up Water Fountain using pic-microcontroller**  
  *Posted in:* Interfacing(USB – RS232 – I2c –ISP) Projects
Feedback / Suggestions
Programmable watch with four character display using PIC16F628A microcontroller

IR(infrared) Remote Control Relay Board with PIC 12F675 Microcontroller

PIC’ing the MAX5581: Interfacing a PIC Microcontroller with the MAX5581 Fast-Settling DAC

LED fireflies prototype using PIC12F683 microcontroller

RGB LED PWM Driver for High Power 350mA LEDs V3 using PIC12F629

Open Automaton Project

Building the Mongoose Mechatronics Robot: Part 1 Chassis & Gearbox using PIC18F2526

STEAM GENERATOR using PIC16F873

Introduction to the PIC32 using pic-microcontroller

PIC16C74 Embedded 10BaseT Ethernet CS8900

Experimenter’s board for enhanced mid-range PIC microcontrollers (PIC16F1827 and PIC16F1847)

Infrared (IR) Object Detection Module Circuit Using IR LED and Photodiode

PIC16F877 based controllable digital clock using LCD display (Code+Proteus simulation)

USB Interface Board Driver Installation PIC18F4550

Very Accurate LC Meter based on PIC16F628A using pic microcontroller

Interface single and Dual IR Infrared sensor with PIC18F4550 and LCD

Daft Punk Table Replica Graphics Controller using PIC18F2550

Frankenbear Synthamajig using PIC16F877 microcontroller

4 Channel DMX512 Driver for PIC16F688

MEASURING HEART RATE USING A PHOTOPLETHYSMOGRAPHIC CARDIOTACHOMETER using pic-microcontroller

Using Fixed Voltage Reference (FVR) for A/D conversion in enhanced mid-range PIC microcontrollers

PIC18F4550 Tutorial: Blinking an LED

PIC18F4550 Tutorial: Blink LED – 2

A modified version of the "Air display" adapted to be used in a bicycle using PIC12F629 microcontroller

Stepper Motor Driver using PIC18F4550 Microcontroller

Schaer+ Programmer using PIC12F629 microcontroller

USB Interface Demo Board Using PIC18F4550

In circuit serial programmer for PIC16F87X

USocket – USB controlled Socket with PIC18F4550

BOOTLOAD THE PIC18F4550 – FIRMWARE UPDATING

Temperature Recorder using PIC12F683 microcontroller

3-Switch Mini IR Remote Control for PIC10F200

C# Software and Firmware, USB INTERFACE BOARD

PIC18F4550 – LCD display jhd162a (2×16) Interface

PICADC – a free, PIC based “intelligent” A/D converter using PIC16F84

Peltier-Powered Drink Cooler!

LED-Guided Piano Instruction using pic microcontroller
How to interface LEDs with PIC18F4550 Microcontroller

0-5V LCD volt meter using PIC16F877A

SMS Based Device Control using GSM Modem

Rubidium Atomic Clock

8 Channel PWM LED Chaser for 16F628A and 16F88

Build your own “2-Wire LCD Interface” using the PIC16C84 microcontroller

“Fluffy” – A Scenix (and PIC) Programmer

GSM Modem Interface with PIC 18F4550 Microcontroller

Capacitance Meter Mkii using PIC12F629

How to Interface I2C External EEPROM 24LC64 to PIC Microcontroller

Almost No Parts’ 12/24hrs LED Clock using pic microcontroller

PIC PROGRAMMER MkV using PIC12F629

Capacitance Meter Mkii using PIC12F629

How to Interface I2C External EEPROM 24LC64 to PIC Microcontroller

Almost No Parts’ 12/24hrs LED Clock using pic microcontroller

Fun with PCBs

PIC programs for parallel pod

Breadboard module for PIC16F628A

SD/SDHC CARD SOUND RECORDER

PIC 16C84 VT-52 Emulator for Linux

Original PICKIT-2 microcontroller programmer

PIC-Bot II

PIC12F675 software UART (bit banging) code and Proteus simulation

Interfacing HC-SR04 Ultrasonic Sensor with PIC Microcontroller

Serial communication with Matlab pic-microcontroller

Telephone operated remote control using PIC16F84A microcontroller

Whistle Key Finder using PIC12F629

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

Voltmeter Ammeter Kit

Long Period Astable Timer using PIC12F628A

PIC micro Timer Code

Voltmeter Ammeter Kit – Blue Backlight LCD

Single button code entry for a digital lock using PIC12F628A

Build your Own PCB Exposure Box with Fluorescent Lamps and Countdown System

MOTM Compatible Dual Channel Quantizer

DS1820 Arbiter V2.00 Schematic / Parts List

Low cost LCD module interface with optional LED backlight using PIC18F452

Low cost ICSP 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 ICSP and how to use it for PIC microcontrollers.
- PIC based WWVB clock
- Interfacing RTC with Microcontroller
- Solar Recorder using PIC18F458 microcontroller
- USB Low Pin Kit
- Interfacing LCD Modules with PIC Microcontrollers.
- PIC-based Digital Voltmeter (DVM)
- 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 PIC10F208
- Using the MAX6955 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
- USB: DC Motor Controller using PIC18F4550 (keyboard)
- Digital & Binary clock with thermometer & hygrometer
- Re-Doing my Design for a circuit to control an invention using a Microchip PIC microcontroller chips
- PIC'ing the MAX3100: Adding USB to a PIC Microcontroller Using the MAX3100 UART using pic microcontroller
- Open Source 3.2" TFT Smart Display
- PIC RGB Power Board using PIC12F629 microcontroller
- FailureBot 5 – A Line Following Robot
- Heavy duty portable charger for USB devices (phones, iPad, etc.) using PIC12F683
- PIC 18F – 28 PIN PIC Development Board
- Homemade temperature LED display for PC using PIC16F876
- An LDmicro Tutorial
- PIC 18F4550 Timer And Interrupt Example Video Project
- 18 PIN PIC Development Board
- PIC Stroboscope using PIC12F675 microcontroller
- Boost converter using IR2110 and PIC microcontroller
- LCD Serial Terminal using PIC16F84
- USB PIC Programmer
• Toggle/Blink led on specific delay with pic microcontroller using timers: MPLABX and xc8 compiler

• Mars Clock using PIC16F877A microcontroller

• Displaying Scrolling(Moving) text on 16x2 lcd Using Pic16f877 and Pic18f452 Microcontroller

• Joy Stick Controller using PIC12F629

• PIC Projects: Digital Temperature Controller

• AT Keyboard Interface V1.04 using PIC16F84

• Using Multiplexed 7 Segment Displays – PIC Microcontroller Tutorial

• Color Globe using PIC16F688 Microcontroller

• Interfacing HC-SR04 Ultrasonic Sensor with PIC Microcontroller

• Turntable Photography Equipment using PIC16F84A

• 28 Pin PIC Terminal Development Board

• Low Cost Solar Lighting Controller

• How to use PIC18F4550 as a SPI Slave Transmitter

• Breadboard using dsPIC30F2012 microcontroller

• Interfacing Relay with PIC Microcontroller

• 8049 Spy using pic microcontroller

• Automatic Power Factor Controller using Microcontroller

• Line follower robot using microcontroller

• PIC USB HID (Human Interface Device) Interfacing

• Running LED dice

• 2 Digit Counter using PIC12F629 Microcontroller

• Making a simple clap switch

• Interfacing of PIC16F675 with (i2c based) 24LC64 EEPROM (code + Proteus simulation)

• LED Infinity Mirror Controller, 32 LEDs, Multiple Patterns using PIC12F675

• Temperature and relative humidity display with adaptive brightness control

• Message Pump using PIC16F687 microcontroller

• Digital logic probe for troubleshooting TTL and CMOS circuits

• PIC RC Motor Controller (and example lego robot)

• How to drive a lot of LEDs using PIC12F microcontroller

• Making a digital capacitance meter using microcontroller

• How-to: Bus Pirate v1, improved universal serial interface using PIC24FJ64GA002

• TRH Meter: A DIY indoor thermometer plus hygrometer with adaptive brightness control implemented to 7-segment LED displays

• Pingbot – Micro RC Rechargeable Musical Robot Pal using PICAXE

• LED Microcontroller Debug Module using PIC18F4420

• Build a digital spirit level using a SCA610 accelerometer

• IKEA Mood-light Conversion using PIC12F683P

• Universal High-Power LED Driver with 3D-printable Case using PIC16F1823
Feedback / Suggestions

PIC16F84A MemoSound Game

LED Projects

Dual 4-digit seven segment LED display with SPI interface using PIC12F

TDA7000 FM Receiver / TV Tuner / Aircraft Receiver using pic microcontroller

Mini PIC Dev Board using PIC18F452

Refregirator Temperature Controller Project (Save Your Electricity Bill)

IR Remote Controlled Tracked Robot

Single microcontroller based 12v to 230v inverter with intelligent battery charging

IR Remote Controlled Tracked Robot

5 LED CUBE Controller for PIC16F688

Other Projects

Record Infrared Codes of Any Remote Control Unit for Usage with Linux Infrared Remote Control (LIRC) on Raspberry Pi

Compact PIC18F1320 Microcontroller Board

Complete Intro To PIC's – Make an LED Flash Video

In-Circuit PIC Loader using PIC18F458 microcontroller

USB Project :- USB Interface Board Using PIC18F4550

Generating PWM with PIC Microcontroller using CCP Module

NU32: introduction to the PIC32 using pic-microcontroller

In-Circuit PIC Loader using PIC18F458 microcontroller

Complete Intro To PIC's – Make an LED Flash Video

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Record Infrared Codes of Any Remote Control Unit for Usage with Linux Infrared Remote Control (LIRC) on Raspberry Pi

Other Projects

5 LED CUBE Controller for PIC16F688

Other Projects

Record Infrared Codes of Any Remote Control Unit for Usage with Linux Infrared Remote Control (LIRC) on Raspberry Pi

Other Projects

5 LED CUBE Controller for PIC16F688

Other Projects

Microcontroller Programmer Projects
• Interfacing DS1307 to PIC Microcontroller with C code and Circuit Diagram Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Incredible DIY iPhone Macro Posted in: Phone Projects
• Chromation Systems RGB LED Tube Light Posted in: LED Projects
• d.i.y. Handheld Multichannel Analyzer (MCA) based on 16F877 PIC Microcontroller and LCD Posted in: LCD Projects
• Christmas card with inbuilt retro video game for under $1! Posted in: Game – Entertainment Projects
• New Microchip PIC32 Microcontrollers Run at 72MHz Posted in: Development Board – Kits Projects
• PIC 16F88 Digital Thermometer Light Meter and resistance ohm meter. Posted in: Metering – Instrument Projects
• IC-Based H-Bridge Tutorial Posted in: Motor Projects
• MTM Scientific, Inc. ... PIC Project for CATV Tuner Posted in: Other Projects
• Single-Tube nixie clock | Microcontroller Project Posted in: Clock – Timer Projects
• Microcontroller based Diode and Bipolar Junction Transistor (BJT) tester Posted in: Development Board – Kits Projects
• Standalone BreadBoard Breakout for PIC Microcontrollers Posted in: Development Board – Kits Projects
• PIC12F microcontroller project board Posted in: Development Board – Kits Projects, Projects
• Ultrasonic Position System Posted in: Development Board – Kits Projects
• PIC16F877A (with LCD) not working Posted in: LCD Projects, Temperature Measurement Projects
• Learning Board for PIC12F683 Microchip Posted in: Development Board – Kits Projects, Microcontroller Programmer Projects
• Microcontroller Based Password Verification System Posted in: Other Projects
• How to display text on 16×2 LCD using PIC18F4550 Microcontroller Posted in: LCD Projects
• Interfacing with UART of PIC microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, Projects
• How to Program a PIC Microcontroller to Build a Project Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Treslie – A 3-phase speaker system for Leslie emulation using PIC18F26K20 Posted in: Projects, Sound – Audio Projects
• Basic PIC circuit is not working Posted in: Development Board – Kits Projects
• IO Controller with serial port CLI using PIC16F627A Posted in: Other Projects, Projects
• Electronic Code locking system using PIC 16F877 Microcontroller Posted in: Microcontroller Programmer Projects
• VCR Pong using PIC16C711 Microcontroller Posted in: Projects, Video – Camera – Imaging Projects
• Voltage programmable simple logic device using PIC12F675 Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, Projects
• Cooper Bills (csb88) and Anish Borkar (ab673) Posted in: LED Projects
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