



HOME	PROJECTS	TOOLS	TUTORIALS	COMPILERS	PROGRAMMERS	SOFTWARE	NEWS & UPDATES	CONTACT US
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» [MOVI, a standalone speech recognizer shield for Arduino](#) » [Microchip Introduces New PIC32 Bluetooth® Starter Kit](#) » [Cheap FPG](#)

You Are Here: [Home](#) » [Project List](#)

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 programmer](#)
- [48 Channel Mono / 16 Channel RGB LED Controller using PIC18F2550 microcontroller](#)
- [Mood vase using PIC12F683 microcontroller](#)
- [Simple JDM PIC Programmer using PIC16f84A microcontroller](#)
- [New Earth Time digital clock in recycled retro-modern case using PIC16F627A](#)
- [Single-Axis PIC Controlled Solar Tracker DIY Kit using PIC18F1220](#)
- [DC motor control with Joystick and PIC16F877A](#)
- [DMX-512 RGB LED Wash Light Control Board using PIC16F688](#)
- [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](#)
- [PIC development/testing board using PIC16F877 microcontroller](#)
- [Building the Inchworm ICD2 PIC Programmer / Debugger using PIC16F877](#)
- [3x3x3 LED Cube using PIC16F690 microcontroller](#)
- [MATLAB to PIC serial interface using PIC16F877 microcontroller](#)

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Tiny GSM alarm system using PIC16F84A

March 14, 2013



PC Interfacing a GameBoy Camera using PIC18F4620 microcontroller

August 14, 2015



Home Automation and Safety via GSM Remote

March 14, 2013



Pickit 2 Download & Develop Your own USB pickit ii programmer

April 11, 2013



PIC based UPS Schematic / Firmware / PCB Layout

June 15, 2013

- [8x8 LED matrix using PIC16F690 microcontroller](#)
- [The One Chip Spinning RGB POV Display with conversion software using PIC18f4680 microcontroller](#)
- [Quick & Easy RGB-LED Tester using PIC16F627 microcontroller](#)
- [Smart Button using PIC10F 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](#)
- [Augmenting a Microcontroller using PIC16F886](#)
- [Ultra low cost solar-rechargeable persistence of vision display using PIC10F206](#)
- [Quick Key Adapter. 10 Button HID Keyboard using PIC18F14K50](#)
- [PWM Fan Controller using PIC12F675 microcontroller](#)
- [Frequency Detector using PIC 12F683 Processor](#)
- [8x8 LED Array Multiplexed Infinity Mirror using PIC18F1320](#)
- [USB Indoor/Outdoor Thermometer using PIC18F2550 microcontroller](#)
- [Large Dancing Robot using PIC16f877A microcontroller](#)
- [Twitter Watcher. the #twatch using PIC18F67J60 microcontroller](#)
- [The Saltwater etch process using PIC16F54 microcontroller](#)
- [Parallel Port 3 Axis CNC Driver. Opto-Isolated. Unipolar Steppers using PIC16F876A microcontroller](#)
- [Microdot – wrist watch LED pattern timepiece using PIC16F8 microcontroller](#)
- [Life Size Operation Game using PIC16F877 microcontroller](#)
- [LED Binary Clock using PIC16F628A microcontroller](#)
- [RGB REMOTE \(pinguino+web+linksys\) using PIC18F2550 microcontroller](#)
- [I2C keypad using PIC18F4550 microcontroller](#)
- [How to choose a MicroController using PIC16C84 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](#)
- [Small Virtual Wall for iRobot Roomba using PIC12F629](#)
- [Intel D945GCLF Small Front Panel using PIC12F629](#)
- [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](#)
- [Poor man’s counter using PIC16F84 microcontroller](#)
- [Infra/radio remote control transmitter/receiver with PIC16F630](#)
- [Grid Powered Battery Charger – The Plans using PIC16F676](#)
- [Countdown Timer using PIC16F84 microcontroller](#)
- [In-Circuit debugger. created by E.E. Atanasios Melimopoulos using PIC16F628 microcontroller](#)
- [GTP USB PIC PROGRAMMER \(Open Source\) using PIC18F252](#)

PIC Projects



Project Categories



GPS Projects



Internet and LAN Projects



Interfacing(USB) Projects



Metering & Instrument Projects



Sensor – Detector Projects



Motor Based Projects



Phone Based Projects



Robotics and Automation Projects



Camera – Imaging and Video Projects



Game and Entertainment Projects



Home Automation Based Projects



Memory and Storage Projects



RFID Based Projects



Security and Safety Projects



Sound and Audio Projects



Temperature Measurement Based Projects



DIY Projects














Medical and Health based Projects



Battery Based Projects

- [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](#)
- [The PIC Elmer 160 Project Board using PIC16F628](#)
- [Caller Line Identification \(CLI\) using PIC16F628A](#)
- [DC motor speed control using PWM using PIC16F876](#)
- [Medallion: Circle LED Animation PIC16F628A](#)
- [LM75 Temperature Sensor with 7 segment display output using PIC16F628](#)
- [Tiny PIC bootloader using PIC16F microcontroller](#)
- [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](#)
- [IK3OIL 16F84 PIC Frequency Counter Files](#)
- [Darkroom Timer using PIC16F84 microcontroller](#)
- [EnvStick USB Temperature Sensor using PIC12F683](#)
- [A DDS Module based on the AD9835 using PIC16F84](#)
- [Universal Infrared Receiver using PIC16F84 and PIC12C508](#)
- [DS1820 Temperature regulator using PIC16F628](#)
- [eDrum – Trigger MIDI Converter using PIC16F877](#)
- [Universal RC5/RC6 transceiver using PIC16F628](#)
- [2.5 GHz Frequency counter using PIC16F870](#)
- [Intelligent NiCd/NiMH Battery Charger using PIC16C711](#)
- [Make your own USB LCD controller using PIC18F2550](#)
- [pic12f675 Microcontroller 8-PIN PONG](#)
- [Stepper Motor Controller using pic16f628a](#)
- [PIC Based Speed Controller using PIC16C54](#)
- [pic18f458 Microcontroller based Solar Recorder](#)
- [pic12f683 Microcontroller based Programmable LED](#)
- [PIC16F84A Temperature Controller](#)
- [Digital Voltmeter \(DVM\) using PIC16F688](#)
- [Determine capacitance by measuring the charging time using PIC16F688](#)
- [0-9999 seconds count down timer using PIC12F683 microcontroller](#)
- [Temperature and relative humidity display with adaptive brightness control using PIC12F683](#)
- [PIC12F microcontroller project board](#)
- [Making a digital capacitance meter using PIC16F628A](#)
- [A brief overview of Allegro ACS712 current sensor using PIC16F1847 \(Part 2\)](#)
- [Measurement of temperature and relative humidity using DHT11 sensor and PIC microcontroller using PIC16F628A](#)
- [Build a digital spirit level using a SCA610 accelerometer using PIC16F684](#)
- [00 to 99 minute timer using PIC16F628A microcontroller](#)
- [Amicus18: Arduino-style platform for PIC fans using PIC18F25K20](#)
- [Voltage monitor for car's battery and its charging system PIC16F1827](#)
- [Experimenter's board for enhanced mid-range PIC microcontrollers \(PIC16F1827 and PIC16F1847\)](#)
- [Humidity and temperature measurements with Sensirion's SHT1x/SHT7x sensors using PIC18F2550 \(Part 2\)](#)

-  PWM (Pulse-width modulation) Projects
-  Radio Based Projects
-  Others Project
-  Calculator Based Projects
-  Car - Auto Projects
-  LCD Based Projects
-  LED Based Projects
-  Clock and Timer Projects
-  CNC-Machines Projects
-  Development Board Projects
-  RTOS Projects

- [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](#)
- [LED Strobe for PIC12F629](#)
- [PWM DC Motor Controller for PIC12F683](#)
- [Radio Button Switch Control using PIC12F629](#)
- [Navigation Lights for Models for PIC12F629](#)
- [A Beginner's data logger project using PIC12F683 microcontroller](#)
- [A new multi-function power supply unit for my Embedded Lab using PIC16F689](#)
- [A simple spectrum analyzer using dsPIC30F4011](#)
- [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](#)
- [Mini F1 race track Grid Start Lights using PIC12F627A](#)
- [Internal Oscillator Recalibration Utility for PIC12F629](#)
- [Test For Presence of Internal Oscillator Calibration Word 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](#)
- [LED FX using PIC12F629 Microcontroller](#)
- [Motion detection alarm using a PIR sensor module with a PIC12F635](#)
- [Wifi robot vehicle controlled by PIC16F628A](#)
- [2 Digit Counter using PIC12F629 Microcontroller](#)
- [2 Digit up/down Counter using PIC16F628A](#)
- [VGA display using PIC18F452 microcontroller](#)
- [Low power temperature data logger using PIC18F27J53](#)
- [Experimenting with a thermistor using PIC16F1937](#)
- [PIC16F877 Development Board v. 1.2](#)
- [PIC16F84 Evaluation Board](#)
- [FM RDS Tuner Module for mobile applications using PIC18F46k20](#)
- [A Digital temperature meter using an LM35 temperature sensor using PIC16F688](#)
- [Microcontroller based Diode and Bipolar Junction Transistor \(BJT\) tester using PIC16F688](#)
- [Echo Mp3 DIY Audio player using PIC18F46K20](#)
- [Low cost OLED module interface using PIC18F452](#)
- [Wireless MultiMeter using PIC18F452 Microcontroller](#)
- [RDS/RBDS decoder with optional FM stereo receiver using PIC18F452](#)
- [Digital Thermometer Using PIC16F688 microcontroller](#)
- [Propeller Clock Mechanically Scanned LED Clock using PIC16C84](#)
- [Line following robot using PIC16F84](#)
- [TechBot line following robot using PIC16F84](#)
- [Electronic combination lock based on PIC16f84](#)
- [Make your own PIC Programmer using PIC12C508](#)
- [Programmer using PIC16F84 microcontroller](#)
- [Rs 232 Relay Control Board using PIC16F84A](#)
- [The Weeder Frequency Counter using PIC16F84](#)
- [Microchip pic16f877 to FTDI USB interface](#)

- [Emergency Excuse Generator using PIC16F690](#)
- [DTMF Phone Dialer using PIC16F690](#)
- [Countdown Timer using PIC16F690 microcontroller](#)
- [Gear Clock using PIC16F676 Microcontroller](#)
- [Shrieker using PIC16F676 Microcontroller](#)
- [Digital Oscilloscope using PIC16F688](#)
- [Build a digital clock with its digits levitating in the air using PIC16F84](#)
- [Leaving home light using PIC12F675 Microcontroller](#)
- [IN-8 single nixie tube clock using PIC16F84](#)
- [LC meter using PIC16F628A Microcontroller](#)
- [Home Automation and Safety via GSM Remote](#)
- [Localizer with SIM908 module using PIC18LF6722](#)
- [GSM Voice Dialer with Automation Control using PIC18F46K20-I/PT](#)
- [SMS Box project using PIC16F877A Microcontroller](#)
- [Tiny GSM alarm system using PIC16F84A](#)
- [Building a PIC18F USB device](#)
- [Function Generator using PIC16F870 microcontroller](#)
- [Hard Drive Clock using PIC16F628](#)
- [3310 Nokia LCD & PIC12F683](#)
- [HandySwipe portable magnetic card reader using PIC16F688](#)
- [GPS-based universal clock generator using PIC16F628](#)
- [OBD-II ELM327 compatible AllPro adapter using PIC18F2455](#)
- [Keypad 4x5 for microcontrollers v. 1.1 using PIC16F877](#)
- [Pickit 2 Download & Develop Your own USB pickit ii programmer](#)
- [How to interface Stepper Motor with PIC18F4550 Microcontroller](#)
- [RGB LED PWM Driver Standalone PWM controller for RGB LEDs using PIC12F629](#)
- [RGB LED PWM Driver for High Power 350mA LEDs using PIC12F629](#)
- [RGB LED PWM Driver for High Power 350mA LEDs V3 using PIC12F629](#)
- [Power MOSFET RGB LED PWM Driver for PIC12F683](#)
- [RGB LED Strip Controller high-side LED drive for PIC12F629](#)
- [Serial Addressable RGB PWM LED Driver using PIC16F628A](#)
- [4 Channel DMX512 Driver for PIC16F1823](#)
- [3-Channel IR Relay Controller with user programmable IR commands for PIC12F629](#)
- [2-Channel IR Relay Controller for PIC10F200](#)
- [3-Switch Mini IR Remote Control for PIC10F200](#)
- [4-digit Up/Down counter with preset, reset, hold and overflow output using PIC16F88](#)
- [5 LED CUBE Controller for PIC16F688](#)
- [Binary/bcd to 7-segment decoder for PIC16F627A](#)
- [8 Channel PWM LED Chaser for PIC16F628A](#)
- [8 Channel PWM Power MOSFET LED Chaser for PIC16F628A](#)
- [8 Channel PWM LED Chaser for PIC16F628A and PIC16F88](#)
- [Automotive Voltage Monitor using PIC12F683](#)
- [Scalextric Sport Race Start Controller using PIC16F627A](#)
- [UFO round LED Chaser Kit for PIC16F628A](#)
- [UFO round LED Chaser with speed control for PIC16F628A](#)
- [Universal Driver & Dev Board using PIC16F](#)
- [PIC 18F4550 Timer And Interrupt Example Video Project](#)
- [Updated PIC 18F4550 USB Demo Board Video](#)

- [PIC Microcontroller timer Video Project](#)
- [How to interface LCD with PIC18F4550 Microcontroller](#)
- [How to display text on 16×2 LCD using PIC18F4550](#)
- [How to create custom characters on 16×2 LCD using PIC18F4550](#)
- [How to use Timers in PIC18F4550 Microcontroller](#)
- [How to configure EUSART in PIC18F4550](#)
- [How to interface GPS with PIC18F4550 Microcontroller](#)
- [How to interface GSM Module with PIC18F4550 Microcontroller](#)
- [How to interface Servo Motor with PIC18F4550](#)
- [Audio CRO using PIC12F675 Microcontroller](#)
- [Dialing Alarm using PIC16F628 Microcontroller](#)
- [PIC16F877 based simple calculator project](#)
- [PIC16F877 up down counter code and Proteus simulation](#)
- [PIC16F877 stop watch code and Proteus simulation](#)
- [PIC16F877 ADC code and Proteus simulation](#)
- [Interfacing of PIC16F877 with DS1307 \(RTC\) code and Proteus simulation](#)
- [Interfacing of PIC16F877 with \(i2c based\) 24LC64 EEPROM \(Code + Proteus simulation\)](#)
- [PIC16F877 based controllable digital clock using LCD display \(Code+Proteus simulation\)](#)
- [PIC16F877 internal EEPROM code and Proteus simulation](#)
- [How to interface keypad with PIC16F877](#)
- [How to display custom characters on LCD using PIC16F877](#)
- [PIC16F877 based digital clock using LCD display \(Code+Proteus simulation\)](#)
- [PIC16F877 LCD code and Proteus simulation](#)
- [PIC16F877 LCD interfacing code \(In 4bit mode\) and Proteus simulation](#)
- [PIC16F877 UART code and Proteus simulation](#)
- [PIC16F877 external interrupt code and Proteus simulation](#)
- [PIC16F877 PWM \(2 channel\) code and Proteus simulation](#)
- [Interfacing of PIC12F675 with DS1307 \(RTC\) code and Proteus simulation](#)
- [TIC TAC TOE game using PIC16F628](#)
- [Interfacing of PIC12F675 with \(i2c based\) 24LC64 EEPROM \(code + Proteus simulation\)](#)
- [PIC12F675 i2c \(bit banging\) code and Proteus simulation](#)
- [Interfacing of PIC16F84A with DS1307 \(RTC\) code and Proteus simulation](#)
- [PIC12F675 interrupt based software UART code and Proteus simulation](#)
- [Interfacing of PIC16F84A with \(i2c based\) 24LC64 EEPROM \(Code + Proteus simulation\)](#)
- [PIC16F84A i2c \(bit banging\) code and Proteus simulation](#)
- [PIC16F84A interrupt based software UART code and Proteus simulation](#)
- [PIC16F84A software UART \(bit banging\) code and Proteus simulation](#)
- [PIC16F84A based simple calculator \(Code+Proteus simulation\)](#)
- [How to interface keypad with PIC16F84A](#)
- [PIC16F84A LCD interfacing code \(using 3 pins only\) + Proteus simulation](#)
- [PIC16F84A based digital clock using LCD display \(Code+Proteus simulation\)](#)
- [PIC16F84A LCD interfacing code \(In 8bit mode\) + Proteus simulation](#)
- [PIC16F84A PWM code and Proteus simulation](#)
- [How to use PIC16F84A pin as input \(Code+Proteus simulation\)](#)
- [PIC16F84A timer0 code and Proteus simulation](#)
- [PIC16F84A LED blinking code and Proteus simulation](#)
- [How to use PIC12F675 GPIO pin as input \(Code + Proteus simulation\)](#)

- [A pic programmer circuit based on AN589](#)
- [PIC12F675 internal EEPROM code and Proteus simulation](#)
- [PIC12F675 Comparator Code and Proteus Simulation](#)
- [PIC12F675 software UART \(bit banging\) code and Proteus simulation](#)
- [PIC12F675 based simple calculator \(Code + Proteus simulation \)](#)
- [PIC12F675 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](#)
- [PIC12F675 LCD Interfacing Code and Proteus Simulation](#)
- [PIC12F675 LED blinking code and Proteus simulation](#)
- [PIC18F452 PWM Code and Proteus Simulation](#)
- [PIC18F452 UART code and Proteus Simulation](#)
- [PIC18F452 LED Blinking Code and Proteus Simulation](#)
- [Interfacing with UART of PIC microcontroller](#)
- [Frequency Counter using PIC16F877A Microcontroller](#)
- [50MHz 7 segment frequency counter using PIC16F877A](#)
- [0-5V LCD volt meter using PIC16F877A](#)
- [Sonar range finder using PIC16F88 Microcontroller](#)
- [A Real Time Clock using PIC16F88 Microcontroller](#)
- [How to drive an led display matrix using PIC16F88](#)
- [Serial LCD project using PIC16F877A Microcontroller](#)
- [Universal Serial Infrared Receiver using PIC16F88](#)
- [The Annoy – A Tiny Intelligent Buzzer using PIC10F202](#)
- [Wireless Sensor Motor Control using PIC18LF4520](#)
- [IR Proximity Motor Control using PIC18F4520](#)
- [LED Heart PWM Fading using PIC18F252](#)
- [Mini PIC Dev Board using PIC18F452](#)
- [PICKit3 Programming With MPLABX](#)
- [RGB LED Controller using PIC18F452](#)
- [Xbee Wireless Servo Control using PIC18LF4520](#)
- [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](#)
- [PICMicro Programmer with the “EICheapo” using PIC16F84](#)
- [2-Wire LCD Interface using PIC16C84](#)
- [Wireless controlled lightdimmer using PIC12F629](#)
- [RC5/RC6 codes on a LCD using PIC16F648A](#)
- [Wireless 10 channel receiver using PIC16F630](#)
- [RC5 remote control using PIC12F629](#)
- [Digital DCF77 clock with LCD and gong using PIC16F628A](#)
- [DCF77 clock-thermostat using PIC16F648A](#)
- [Low cost ICSP PIC-programmer using PIC16F648A](#)
- [Digital Watt meter using PIC16F876](#)
- [Stepper Motor Controller using PIC16C84](#)
- [PIC Countdown Timer using PIC16f84a](#)

- [Analog & Digital propeller clock using PIC16C84](#)
- [Converting a Proxxon MF70 Milling Machine To CNC – 4 using PIC24FJ64GB002](#)
- [My New MIDI Merger uses 10 MIPS £1.00 PIC Microcontroller using PIC18F4320](#)
- [WIRELESS REMOTE CONTROL for Raymarine ST4000 Autopilot using PIC16F628](#)
- [COFFEE POWER MANAGER using PIC16F628](#)
- [STEAM GENERATOR using PIC16F873](#)
- [DATA LOGGER measures and stores voltage using PIC16F876](#)
- [BATTERY CHARACTERIZER using PIC18F252](#)
- [Underground locator generator for Radiodetection using PIC16F628](#)
- [GPS REPEATER/SYSTEMS MONITOR using PIC16F876](#)
- [Automatic School Bell](#)
- [A Self-Contained Data Logging Anemometer](#)
- [Aurora 48 – 48 RGB LED Sequencer](#)
- [The simple Joule Thief](#)
- [How to Program a PIC Microcontroller & Read an Encoder](#)
- [Skateboard with PIC microcontroller and LEDs](#)
- [Simple 3 Resistor PIC Programmer](#)
- [Development system for PIC and AVR microcontrollers](#)
- [DC motor control with Joystick and PIC16F877A](#)
- [5 transistor PIC programmer *Schematic added to step 9!](#)
- [Use a PIC Microcontroller to Control a Hobby Servo](#)
- [Single-Axis PIC Controlled Solar Tracker DIY Kit](#)
- [GSM Based Versatile Robotic Vehicle Using PIC Microcontroller](#)
- [USB Project :- USB Interface Board Using PIC18F4550](#)
- [USB:- DC Motor Controller using PIC18F4550 \(keyboard\)](#)
- [Build yourself flashing message on PIC16F877A with assembler](#)
- [PIC12F629 Lead-Acid Battery Desulfator](#)
- [Interfacing 16X2 LCD with PIC Microcontroller](#)
- [PIC 16F917 Gyroscope interface](#)
- [Multifunction RGB LED controller using PIC12F675](#)
- [Adapter for small size PIC/AVR chip programming](#)
- [LEDs sync to music \(with pics of my awesome computer case mod\)](#)
- [LED LYT Meter: LED, PIC Microcontroller, and Moving Average Code](#)
- [Servo Motor Control by using Microcontroller PIC16F877A](#)
- [Simple manual control of stepper motors without a PIC or PC](#)
- [PIC MicroController Volume Adjuster Program\(Proteus 8 Stimulation\)](#)
- [Led matrix project using shift register and pic16f628a micro](#)
- [LDR Based Line follower Robot Car using PIC Microcontroller](#)
- [Electronic Voting Machine Using PIC Microcontroller](#)
- [Digital frequency meter by PIC microcontroller using timer 1 \(0-9999 Hz\)](#)
- [LED blinking using timer0 of pic16f877 microcontroller](#)
- [GSM based Control System by pic microcontroller](#)
- [Interfacing 7 segment display with pic16f877 microcontroller](#)
- [Interfacing Camera with PIC Microcontroller via Matlab GUI](#)
- [Interfacing Dot Matrix led Display with PIC Microcontroller](#)
- [MCP4921 12 bit DAC interfacing with PIC16F877 microcontroller via SPI Connectivity](#)
- [Digital Voltmeter \(0-50v\) using PIC Microcontroller](#)
- [Digital thermometer with auto saving log file in excel by Pic microcontroller](#)
- [Interfacing DS1307 Real time clock with PIC16f877](#)

- [Interfacing external EEPROM with PIC Microcontroller](#)
- [Interfacing Internal EEPROM with PIC Microcontroller](#)
- [Automatic street light control by pic microcontroller](#)
- [Interfacing Relay with PIC Microcontroller](#)
- [PIC microcontroller based fastest finger press quiz buzzer project](#)
- [Interfacing android with pic microcontroller via Bluetooth](#)
- [Password controlled sliding door with SMS alert by pic Microcontroller](#)
- [Interfacing GSM module with PIC Microcontroller](#)
- [Servo motor control by Microcontroller PIC16f877 and MATLAB GUI](#)
- [Interfacing Proteus with Matlab](#)
- [Interfacing GLCD with PIC16F877A](#)
- [Automated Railway Gate Controlled by PIC16F877A](#)
- [Serial communication with Pic 16f877 using UART](#)
- [Lm35 interfacing with pic 16f877 through adc0808](#)
- [Project on making calculator using PIC16F877 and Mikro C Pro](#)
- [Keypad scanning and interfacing with PIC16f877 microcontroller](#)
- [Scrolling Text on LCD by PIC Microcontroller](#)
- [Displaying text on LCD by interfaced with PIC16F877 microcontroller in 4 bit mode](#)
- [Simple Project on LED blinking by PIC 16 Microcontroller using pic Microcontroller](#)
- [Electrical Subsystem Schematics](#)
- [Programmable Stiffness Joint using pic-microcontroller](#)
- [A digital thermometer or talk I2C to your atmel microcontroller using pic microcontroller](#)
- [PIC32MX: Interfacing to a Secure Digital \(SD\) Flash Card](#)
- [Circuit design and electronics using pic-microcontroller](#)
- [Switch Relay using pic-microcontroller](#)
- [Mädchen Machen Technik using pic-microcontroller](#)
- [Serial communication with Matlab pic-microcontroller](#)
- [Interfacing with a Secure Digital \(SD\) card using pic-microcontroller](#)
- [Computer-Controlled Light-Up Water Fountain using pic-microcontroller](#)
- [NU32: Introduction to the PIC32 using pic-microcontroller](#)
- [Circuit design and electronics using pic-microcontroller](#)
- [Heat Control System using pic-microcontroller](#)
- [Driving a piezo speaker with a PIC using pic-microcontroller.](#)
- [make your own wearable LED display using pic-microcontroller](#)
- [Granular Flow Rotating Sphere using pic-microcontroller](#)
- [USB digital GPIO I/O extender using pic microcontoller](#)
- [Mini AV Test Box using pic microcontoller](#)
- [LED-Guided Piano Instruction using pic microcontoller](#)
- [SD-Card with CCS C Compiler using pic microcontoller](#)
- [OSOMCOM POCSAG BTS using pic microcontoller](#)
- [About the Temperature Sensor using pic microcontoller](#)
- [PIC16F628 4 RGB LED PWM Controller using pic microcontoller](#)
- [Stepper Motor Driver using PIC18F4550 Microcontroller](#)
- [Embedded Linux Controller using pic microcontoller](#)
- [LabVIEW motion controller using pic microcontoller](#)
- [Led Display Boards InBulk using pic microcontoller](#)
- [Expanding the number of I/O lines using Microchip MCP23008 using pic microcontoller](#)
- [Connecting multiple tact switches on a single input pin of a microcontroller](#)
- [How to interface MAXIM's DS18B68 digital potentiometer with a PIC microcontroller](#)

- [Using Fixed Voltage Reference \(FVR\) for A/D conversion in enhanced mid-range PIC microcontrollers](#)
- [MikroElektronika's "Ready for PIC" board talks to "Processing" using pic microcontoller](#)
- [2-Wire Keypad Interface Using a 555 Timer using pic microcontoller](#)
- [Humidity and temperature measurements with Sensirion's SHT1x/SHT7x sensors \(Part 1\) using pic microcontoller](#)
- [DIY MIDI controllers using PIC microcontrollers and Basic Stamps using pic microcontoller](#)
- [Zeus: trigger your camera with lightning using pic microcontoller](#)
- [RC Servo Switcher using pic microcontoller](#)
- [Joshua Marchi's Lab Notebook using pic microcontoller](#)
- [CSCI 255 Lab using pic-microcontoller](#)
- [Interfacing DHT11 humidity and temperature sensor with PIC16F877A using pic microcontoller](#)
- [Line Follower Robot – Build it from scratch using pic microcontoller](#)
- [PIC microcontoller development board using pic microcontoller](#)
- [USB Keypad Demonstration – Crystal Free USB and mTouch™ Sensing Solutions using pic microcontoller](#)
- [PIC MCUs: Hardware and Connections using pic-microcontoller](#)
- [CS2200 Intro to Systems and Networks using pic-microcontoller.](#)
- [Introduction to the PIC32 using pic-microcontoller](#)
- [USB data logger project using pic-microcontoller](#)
- [Photomultiplier Tube \(PMT\) Controller Circuit B using pic-microcontolleroard](#)
- [Towers of Hanoi Final report using pic-microcontoller](#)
- [PIC Evaluation/Development Board Implementation using pic-microcontoller](#)
- [MEASURING HEART RATE USING A PHOTOPLETHYSMOGRAPHIC CARDIOTACHOMETER using pic-microcontoller](#)
- [Remote-Control Light Dimmer using pic microcontoller](#)
- [Andy Robison's Lab Notebook using pic microcontoller](#)
- [Data logging with an EEPROM](#)
- [Nike+iPod reverse engineering \(protocol too\) using pic microcontoller](#)
- [One-chip 11×10 LED matrix. using pic microcontoller](#)
- [Remote Control mood light\[/jar\]](#)
- [One-chip sound player.](#)
- [PlayPIC – A Tutorial Board for the PIC16F84A Microcontoller](#)
- [CNC Contoller Motion Schematics \(Rev. D\) using pic microcontollers](#)
- [Leon's Mini Random Number Generator \(mRNG\) using pic microcontoller](#)
- [Interfacing DS1307 RTC Chip with AVR Microcontoller](#)
- [TTPSU – Power supply for turntables with AC motors](#)
- [Microchip PIC16F877 Microcontolle](#)
- [PIC Light Chaser](#)
- [Serial LCD Contoller](#)
- [A PIC Ultrasonic distance meter project using a Seven Segment display and a PIC micro.](#)
- [A PIC Serial LCD Project](#)
- [The IDE Project](#)
- [A Cheap Ultrasonic Range Finder](#)
- [TTL to RS232 Signal Conversion](#)
- ["Fluffy" – A Scenix \(and PIC\) Programmer](#)
- [JavaBot1..... A line following robot](#)

- [C-52EVBRobot Controller](#)
- [Simple RS232C Level Converter using Transistors using pic microcontroller](#)
- [Easy Debugging Terminal using pic microcontroller](#)
- [F84 Miniature Real-Time Controller](#)
- [Build a PIC controlled DDS VFO, 0 to 6 MHz using pic microcontroller](#)
- [Door lock opener](#)
- [True USB GQ-4X Programmer using pic microcontroller](#)
- [WLoader – a 16f877 application loader using pic microcontroller](#)
- [USB & GLCD expansion board for 8051SBC using pic microcontroller](#)
- [Electronic Distance Meter using pic microcontroller](#)
- [HC08 Fan Timer using pic microcontroller](#)
- [AquaCont – Aquarium Control using pic microcontroller](#)
- [PIC18F2550 Project Board using pic microcontroller](#)
- [F84-Programmer using pic microcontroller](#)
- [PIC Projects using pic microcontroller](#)
- [8049 Spy using pic microcontroller](#)
- [Almost No Parts' 12/24hrs LED Clock using pic microcontroller](#)
- [SD Memory Card Interface using pic microcontroller](#)
- [Generating PWM with PIC Microcontroller using CCP Module](#)
- [Blinking LED using PIC Microcontroller with Hi-Tech C](#)
- [Digital Thermometer using PIC Microcontroller and LM35 Temperature Sensor](#)
- [LED Sign has a purpose! using pic microcontroller](#)
- [Interfacing Relay with PIC Microcontroller](#)
- [MRNet — Wired Cab Module \(Revision A\) using pic microcontroller](#)
- [How to burn or program PIC Microcontroller?](#)
- [Circuit Digital Clock Using PIC16f628a Microcontroller Schematics](#)
- [PIC'ing the MAX3100: Adding USB to a PIC Microcontroller Using the MAX3100 UART using pic microcontroller](#)
- [Pickit 2 clone The Universal Microchip PIC Programmer /Debugger](#)
- [Time Display unit for a GPS module using pic microcontroller](#)
- [Very Accurate LC Meter based on PIC16F628A using pic microcontroller](#)
- [60MHz Frequency Meter / Counter using pic microcontroller](#)
- [Voltmeter Ammeter using pic microcontroller](#)
- [DS18S20 Dual Temperature Meter using pic microcontroller](#)
- [TDA7000 FM Receiver / TV Tuner / Aircraft Receiver using pic microcontoller](#)
- [NJM2035 – HI-FI Stereo Encoder / Multiplexer using pic microcontoller](#)
- [ESR Meter using pic microcontoller](#)
- [USB IO Board PIC18F2455 / PIC18F2550 using pic microcontoller](#)
- [USB Voltmeter using pic microcontoller](#)
- [USB 0-500MHz RF Power Meter with AD8307 using pic microcontoller](#)
- [A simple programmer for PIC microcontrollers](#)
- [Microchip – Let my robot see! using pic microcontoller](#)
- [How to Interface I2C External EEPROM 24LC64 to PIC Microcontroller](#)
- [LCD interface with Microcontroller PIC: Beginner's guide using pic microcontoller](#)
- [LED Interfacing with PIC Microcontroller: Embedded C program with circuit using pic microcontoller](#)
- [EMDP1 — Extensible Multiple Device Programmer 1 \(Rev. C\) using pic microcontroller](#)
- [Mini GSM localizer without GPS using pic microcontoller](#)
- [A PIC frequency counter operating up to about 50 MHz. usnig pic microcontoller](#)
- [How to drive an rgb led using three microcontroller pins. using pic microcontoller](#)

- [Schematics and C code for a 0-5V PIC LCD Volt Meter. using pic microcontroller](#)
- [Making a binary clock using a PIC Microcontroller](#)
- [PIC'ing the MAX5581: Interfacing a PIC Microcontroller with the MAX5581 Fast-Settling DAC](#)
- [How to drive a Dot Matrix LED Display. using pic microcontroller](#)
- [12F675 Tutorial 5 : A Temperature data logger using PIC EEPROM. using pic microcontroller](#)
- [Intelligent Fan Controller. Part 1 – Schematic using pic microcontoller](#)
- [USB Stepper Motor Driver using pic microcontoller](#)
- [Having fun with HC08 using pic microcontoller](#)
- [How to make a computer controlled Robot Project Using PIC16F877A? using pic microcontoller](#)
- [How to Interface GSM Module SIM300 with PIC 16F628A Microcontroller for sending SMS and making Calls using pic microcontoller](#)
- [Object Detecting Android Mobile Phone Controlled Bluetooth Robot Using PIC Microcontroller 16F877A](#)
- [Water Level Indicator and Controller using PIC Microcontroller](#)
- [Disco Lights Project using pic microcontoller](#)
- [Project Ryu Lager Guitar Pedal Take 3 using pic microcontoller](#)
- [Introducing the BOLT PIC18F2550 Microcontroller Board using pic microcontoller](#)
- [Digital Alarm Clock Schematic using pic microcontoller](#)
- [Induction Heater with CKM005 Microcontroller](#)
- [The Wooden Menace – a Mighty Robotic Arm Powered by Servos using pic microcontoller](#)
- [Spectrum analyzer based PIC18F4550](#)
- [Interfacing 16x2 Lcd With 8051 Circuit Pin Diagrams](#)
- [Auto intensity control of street lights using pic microcontoller](#)
- [OPEN-DESIGN CHARGE REGULATOR PROJECT](#)
- [Building A Robot: Motor Control](#)
- [The Ultra-QP An Ultrasound QSO Party Rig Fun & Educational!](#)
- [Gen 3.2 PCS Board Design](#)
- [Music player built on microcontroller AT91SAM7S256 with ARM core](#)
- [Digital Meter Adapter – DMAD](#)
- [Building your own Simple Laser Projector using the Microchip PIC12F683 Microcontroller](#)
- [Computer-Controlled Light-Up Water Fountain](#)
- [Real Time Clock Circuit using Mircocontroller](#)
- [Usbpicprog – A free and open source USB Microchip PIC programmer \(Software and Hardware\) for Linux, Windows e MAC](#)
- [Making “The LCD Expansion Board” for PIC18F4520 using pic microcontoller](#)
- [What is PIC Microcontroller](#)
- [Aurora 48 – 48 RGB LED Sequencer using PIC24FV16KA304](#)
- [How-to: USB remote control receiver using pic microcontoller](#)
- [PC Interfacing a GameBoy Camera using PIC18F4620 microcontroller](#)
- [How to use a 74HC595 Shift Register with a AVR ATtiny13](#)
- [Audio spectrum analyzer on PIC32 using pic microcontoller](#)
- [Bluetooth Wireless Voltage Meter using PIC12F683 microcontroller](#)
- [DMM Piggyback \(add RS-232\) using PIC16F688 microcontroller](#)
- [Tejas Kulkarni's Lab Notebook using pic microcontoller](#)
- [Aurora mini 18 using PIC24FV16KA302 microcontroller](#)
- [01/Vatch using PIC16F913 microcontroller](#)

- [Chronograph for Air Cannon using PIC16F628A microcontroller](#)
- [PURPIC, the wearable PICkit2 clone using PIC12F508 programmer](#)
- [Basics of LED dot matrix display. Part 1. Theory using pic microcontoller](#)
- [Aurora 9 bar – The Essence of Aurora using PIC24F08KA microcontroller](#)
- [Laser show for poor man using PIC18F1220 microcontroller](#)
- [Prototype: Openbench Logic Sniffer logic analyzer using pic microcontoller](#)
- [Wooden LED clock using PIC16LF876A microcontroller](#)
- [Aurora 9x18 RGB LED art using PIC24F08KA101 microcontroller](#)
- [Heavy duty portable charger for usb devices \(phones, iPad, etc.\) using PIC12F683](#)
- [LED Infinity Mirror Controller, 32 LEDs, Multiple Patterns using PIC12F675](#)
- [Traffic Light Controller using pic microcontoller](#)
- [WEBSD using PIC24F microcontroller](#)
- [JDM2 based PIC Programmer](#)
- [picLink RS232 low cost development controller with ADC using PIC16F628A](#)
- [USB PIC Programmer : PICKit2 usong pic microcontoller](#)
- [Robot 1: "Little Jimmy" based on PICAXE-18M2](#)
- [Minidot 2 – The holoclock using PIC16F88 microcontroller](#)
- [Details of PIC ICSP and how to use it for pic microcontrollers.](#)
- [8x8 LED Array Multiplexed Infinity Mirror using PIC18F1320 microcontroller](#)
- [Cheap PIC Programmer using PIC16F84 microcontroller](#)
- [Analog to Digital Converter Using PIC16f877A Microcontroller – Beginners Guide using pic microcontoller](#)
- [POV Christmas Tree using PIC12F689 microcontroller](#)
- [A pic programmer circuit based on AN589. using pic microcontoller](#)
- [Business Card PIC Programmer using PIC12F629 microcontroller](#)
- [IRK! Infrared Remote Controlled USB Keyboard Without Keys using PIC18F2550](#)
- [LED message system on a Strida folding bicycle wheel using PIC12F675](#)
- [Teddy nightlight multicolor using PIC16F84A microcontroller](#)
- [\\$15.00 BASIC Computer using PIC32MX1 microcontroller](#)
- [How to adapt a NES clone controller to bluetooth using PIC12F675](#)
- [PIC Controlled Relay Driver using pic microcontoller](#)
- [24 Channel USB Connected LED Controller, upto 1A per Channel using PIC18F4550](#)
- [The Trickster – USB Computer Prank using PIC18F14K50](#)
- [Implementation USB into microcontroller: IgorPlug-USB \(AVR\) using pic microcontroller](#)
- [Reverse Engineering to Emulate Ink Cartridges for a Epson Printer using PIC18F](#)
- [Prometheus/Pandora's Box using PIC12C508 microcontroller](#)
- [Reading Nintendo 64 controller with PIC microcontroller](#)
- [The Talking Breathalyzer Mark II using PIC18F1220](#)
- [An LED Persistence Of Vision Name Badge using PIC16F88](#)
- [Interfacing with The Energy Detective using pic microcontoller](#)
- [How to interpret the direction of rotation from a digital rotary switch with a PIC using PIC16F877A](#)
- [PIC Stroboscope using PIC12F675 microcontroller](#)
- [APPLICATION OF MICROCONTROLLER IN AUTO DETECT DOOR OPEN AND PAPER JAM ERROR using pic microcontoller](#)
- [Rotary dialer PIC interface using PIC16F877](#)
- [10-minute sewable iPod remote using PIC10F222 microcontroller](#)
- [18 pin PIC Development Board using PIC16F62](#)

- [An LED Dice using a PIC 16F84 \(or 16F88\)](#)
- [A remote controlled power RGB LED mood light using PIC16F627A](#)
- [Aurora 9 bar – The Essence of Aurora using PIC24F08KA101](#)
- [IRMimic™ Trainable IR Remote Control Transmitter using pic microcontoller](#)
- [Whac-a-Veggie using PIC18F4550 microcontroller](#)
- [A Word Clock using PIC16F877 microcontroller](#)
- [Augustus's Lab Notebook using pic microcontoller](#)
- [Throbbing Apple Logo Sticker using PIC10F206 microcontroller](#)
- [Bootloader for 16F87x PIC Microcontrollers](#)
- [The 'One Chip Spinning RGB POV Display' with conversion software using PIC18f4680](#)
- [Spooky Led Lamp using PIC12F675 microcontroller](#)
- [Pulsing Hubby Detector using PIC12f683 microcontroller](#)
- [Programmable watch with four character display using PIC16F628A microcontroller](#)
- [Minty JDM PIC Programmer using PIC18F4550 microcontroller](#)
- [LED fireflies prototype using PIC12f683 microcontroller](#)
- [Building the Mongoose Mechatronics Robot: Part 1 Chassis & Gearbox using PIC18F2525](#)
- [Cooking Timer using PIC16F819 microcontroller](#)
- [Daft Punk Table Replica Graphics Controller using PIC18f2550](#)
- [Frankenbear Synthamajig using PIC16F877 microcontroller](#)
- [How to drive a lot of LEDs using PIC12F microcontroller](#)
- [Power Pic RGB with Infrared remote control using PIC12F675](#)
- [PIC RGB Power Board using PIC12F629 microcontroller](#)
- [Pic RGB color generator using PIC12F629](#)
- [Tiny Remote for iRobot Roomba using PIC12F629](#)
- [Read analog values without an ADC using PIC12F675 microcontroller](#)
- [A modified version of the "Air display" adapted to be used in a bicycle using PIC12F629 microcontroller](#)
- [An Easy to build & multifunctional counter with 7-Segment Led Display using PIC16F628 microcontroller](#)
- [Schaer+ Programmer using PIC12F629 microcontroller](#)
- [PIC16F628 4 RGB LED PWM Controller](#)
- [Servo Camera Switch using PIC12F675 microcontroller](#)
- [Alarm Clock using PIC16F74 microcontroller](#)
- [A PIC-Based Temperature Alarm using PIC16C84](#)
- [How to build your own PIC-Programmer using PIC12C50x](#)
- [One Chip Video Poker using PIC16F628 microcontroller](#)
- [Pic-Plot2 GPIB to USB converter using PIC16F628](#)
- [10MHz DDS Sine/Square Function Generator based on the AD9835 using PIC16F628](#)
- [In circuit serial programmer for PIC16F87X](#)
- [GPS to SD-Card Data Logger using PIC16F819 microcontroller](#)
- [USocket – USB controlled Socket with PIC18F4550](#)
- [A PIC16F84A Alarm Clock](#)
- [Temperature Recorder using PIC12F683 microcontroller](#)
- [Infra-Red Transmitter using PIC12F675 microcontroller](#)
- [1Hz Clock Generator using PIC12F675](#)
- [Ir On-Off using PIC12F629 microcontroller](#)
- [A DCF77 Clock with RS232 Interface using PIC16F84](#)

- [PIC 16F84 Serial Programmer](#)
- [Dspic-Servo Project using PIC30F4012 microcontroller](#)
- [PICADC – a free, PIC based “intelligent” A/D converter using PIC16F84](#)
- [RF Modem Robotics Project using PIC16F84 microcontroller](#)
- [A simple 50 MHz diy microwattmeter using PIC16C84](#)
- [AT Keyboard Interface V1.04 using PIC16F84](#)
- [PIC16F88 Delorme Tripmate GPS Logger](#)
- [PIC16C63 Midi controlled Light dimmer](#)
- [Another DIY function generator using PIC16F628](#)
- [Picaxe Blending Nightlight using pic12f683](#)
- [pic18f2550 Microcontroller Project Board](#)
- [The VGA Test Box using pic18f452 Microcontroller](#)
- [PIC PAL Video Library using pic18f4620](#)
- [Simple USB to RS232 adapter on pic18f2455](#)
- [Water Wave/Tide/Level Meter 2.0 using PIC16F88](#)
- [The IR Widget Using pic12f629](#)
- [50 MHz frequency counter, voltage meter & SWR/PWR indicator using PIC16C71](#)
- [Rotating Sprocket Wheel Generator using PIC16F84](#)
- [Blink a LED with Assembly Language & a PIC](#)
- [DIY remote control based on PIC16F628](#)
- [Lab 3: Four bit binary counter using PIC16F688](#)
- [How to Program a PIC Microcontroller & Read an Encoder](#)
- [Build your own Wireless Network detector using PIC12F629](#)
- [PIC16F688 breadboard module for quick prototyping](#)
- [Serial LCD Module using PIC16F88](#)
- [Building the Inchworm ICD2 PIC Programmer / Debugger](#)
- [PIC 16F917 Microcontroller Programmer](#)
- [Using Digole 12864ZW LCD with PIC18F](#)
- [Balanced Line Attenuator](#)
- [Quozl’s Alarm Clock using PIC16F877](#)
- [Simplest Temperature Data Logger using PIC12F683](#)
- [PIC 16F917 Gyroscope interface](#)
- [PIC16F84 Fundamentals](#)
- [Motion Activated Led Dice using PIC16F688](#)
- [Car battery charger with PIC12F683](#)
- [Mechanically scanned laser display using PIC17F877](#)
- [Revised version of the PIC12F microcontrollers breakout board](#)
- [Max the Spider – powered by LEGO and PIC microcontroller](#)
- [Interface a HD44780 Character LCD with a PIC Microcontroller](#)
- [A DIY indoor thermometer plus hygrometer using PIC16F688](#)
- [Making a simple clap switch using PIC12F683](#)
- [Pic 16F676 ICSP programing socket for the PICkit 2 programer](#)
- [Breakout board for PIC16F1847 microcontroller](#)
- [Dual 4-digit seven segment LED display with SPI interface using PIC12F](#)
- [LED Christmas Cards using PIC 10F200](#)
- [Interfacing the AT keyboard.](#)
- [Digital logic probe for troubleshooting TTL and CMOS circuits using PIC12F683](#)
- [A brief overview of Allegro ACS712 current sensor using PIC16F1847 \(Part 1\)](#)
- [Record+play fast 1bit sound on a PIC!](#)
- [Low cost temperature data logger using PIC and Processing using PIC12F1822](#)
- [Revised version of LM35 based digital temperature meter using PIC16F688](#)

- [Microchip PIC Microcontrollers](#)
- [PBUS – an RS485-like multi-drop bus with half duplex serial protocol](#)
- [DIAL ALARM-1](#)
- [MikroElektronika's "Ready for PIC" board talks to "Processing" using PIC16F887](#)
- [Solar Recorder](#)
- [Humidity and temperature measurements with Sensirion's SHT1x/SHT7x sensors using PIC18F2550 \(Part 1\)](#)
- [PIC Harmonic Distortion Meter](#)
- [Automatic Charger Sharing for Motorcycle Battery Charger using PIC16F628A](#)
- [Enhanced 5/2-day Central Heating Programmer with serial computer interface using PIC16F628A](#)
- [Project Ryu Lager – Guitar Effect](#)
- [F1 Gantry Race Start Lights using PIC16F684](#)
- [Long Period Astable Timer using PIC12F629](#)
- [TAXI PHONE](#)
- [Precision Delay Timer for PIC16F628A](#)
- [2-Wire Keypad Interface Using a 555 Timer using PIC16F628A](#)
- [TinyWireMCP23008 – MCP23008 library for ATtiny85 microcontroller](#)
- [Electronic Die using PIC16F84 microcontroller](#)
- [How to interface LEDs with PIC18F4550 Microcontroller](#)
- [Rubidium Atomic Clock](#)
- [Seven Segment Multiplexing using PIC18F4550 Microcontroller](#)
- [Audio spectrum analyzer using PIC18F4550](#)
- [Build your own "2-Wire LCD Interface" using the PIC16C84 microcontroller](#)
- [PIC PROGRAMMER MkV using PIC12F629](#)
- [4 ALARM SOUNDS using PIC12F629](#)
- [PIC-Programmer 2 for PIC16C84 etc.](#)
- [Capacitance Meter MkII using PIC12F629](#)
- [Joy Stick Controller using PIC12F629](#)
- [PIC programmers for parallel port](#)
- [Breadboard module for PIC16F628A](#)
- [Lift Counter using PIC12F629 Microcontroller](#)
- [PIC 16C84 VT-52 Emulator for Linux](#)
- [MUSIC BOX using PIC12F629 Microcontroller](#)
- [SKY WRITER using PIC12F629 Microcontroller](#)
- [SOLAR TRACKER-1 using PIC12F629 Microcontroller](#)
- [PIC-Bot II](#)
- [Touch Switch using PIC12F629 Microcontroller](#)
- [Whistle Key Finder using PIC12F629](#)
- [12 DIGIT RUNNING SIGN using PIC16F628](#)
- [Serial to PIC Interface using PIC Microcontroller](#)
- [Small 3-wheel ROBOT with PIC16F84 brain & InfraRed eyes.](#)
- [PIC micro Timer Code](#)
- [Single button code entry for a digital lock using PIC16F628A](#)
- [Echo MP3 player using PIC18LF452](#)
- [Build your Own PCB Exposure Box with Fluorescent Lamps and Countdown System](#)
- [Understanding ICSP for PIC Microcontrollers](#)
- [Roll and Temperature sensor applications using PIC18F2550](#)
- [Dual programmable keypad code lock using PIC18F452](#)
- [DS1820 Arbiter V2.00 Schematic / Parts List](#)

- [TD-USB-01 interface with mouse sensor board using PIC18F2550](#)
- [Low cost LCD module interface with optional LED backlight using PIC18F452](#)
- [Electronic door codelock with PIC](#)
- [PIC18F452 to PC USB 2.0 interface with FT245BM](#)
- [Serial LCDs you can make your own using PIC12F683](#)
- [How to generate video signals in real-time using a PIC16F84](#)
- [PicChess](#)
- [Solar Recorder using PIC18F458 microcontroller](#)
- [100KHz Square Wave generator using PIC16C84](#)
- [Interfacing LCD Modules with PIC Microcontrollers.](#)
- [Homemade Scope Clock DG7 tube and PIC16F876](#)
- [Homemade temperature LED display for PC using PIC16F876](#)
- [MICROCONTROLLER BASED INTERFACE UNIT FOR 5KW MICROWAVE OVEN](#)
- [LED flasher using PIC16C84 Microcontroller](#)
- [LCD Serial Terminal using PIC16F84](#)
- [Microcontroller Adc Project Circuit](#)
- [Blink LED with XC8 compiler using external Oscillator](#)
- [Serial LCD Library using PIC16C84](#)
- [Harmonic Distortion Meter using PIC18F2550](#)
- [Project Board using PIC18F2550 microcontroller](#)
- [In-Circuit PIC Loader using PIC18F458 microcontroller](#)
- [Easy Debugging Terminal using PIC16F84](#)
- [LEARN HARDWARE FIRMWARE AND SOFTWARE DESIGN – BRIEF DESCRIPTION](#)
- [Autonomous Foosball Table](#)
- [Temperature controlled fan using PIC 16F877A](#)
- [Night Light Saver V3.2 using PIC12C508](#)
- [Miniature Real-Time Controller using PIC16F84](#)
- [Isolated RS232C for PIC16F84](#)
- [MIDI Chord Button Keyboard Using PIC18f4620 part 1](#)
- [Microcontroller measures heart rate through fingertip](#)
- [MIDI Chord Button Keyboard Using PIC18F4620 part 2](#)
- [MIDI Chord Button Keyboard Using PIC18F4620 part 3](#)
- [A Minimal USB CDC ACM aka Virtual Serial Port](#)
- [Versatile SOIC PIC Programming Header using PIC18F88](#)
- [Ultra-easy use of 64-pin TQFP PIC18F6620 using TQFP-to-DIP PCB from VOTI](#)
- [DIY Microcontroller – Hand Dynamometer](#)
- [Single Pic Micro single shot bi stable Relay](#)
- [CITROEN Saxo Vehicle Touch Sensitive switches using PIC16F84A](#)
- [Design and Development of an Automated Home Control System Using Mobile Phone](#)
- [PIC Controlled Relay Driver using PIC16F84A](#)
- [Interfacing Ultrasonic Distance Sensor : ASCII Output with PIC Microcontroller](#)
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