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**
- **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**
- **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
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
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
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
- 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
- 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
- 0-9999 seconds count down timer using PIC12F683 microcontroller
- 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
- 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)
- **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**
- **A Beginner’s data logger project using PIC12F683 microcontroller**
- **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**
- **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
- Digital Oscilloscope using PIC16F688
- Build a digital clock with its digits levitating in the air using PIC16F84
- Leaving home light using PIC12F675 Microcontroller
- LC meter using PIC16F628A Microcontroller
- Home Automation and Safety via GSM Remote
- Localizer with SIM908 module using PIC18LF6722
- SMS Box project using PIC16F877A Microcontroller
- Tiny GSM alarm system using PIC16F84A
- Building a PIC18F USB device
- Function Generator using PIC16F870 microcontroller
- 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
- 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 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
- 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
- UFO round LED Chaser Kit for PIC16F628A
- UFO round LED Chaser with speed control for PIC16F628A
- PIC 18F4550 Timer And Interrupt Example Video Project
- 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 GSM Module with PIC18F4550 Microcontroller
- How to interface Servo Motor with PIC18F4550
- 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
• 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
• 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 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 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
• 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
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
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 “ElCheapo” using PIC16F84
Wireless 10 channel receiver using PIC16F630
RC6 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
STEAM GENERATOR using PIC16F873
DATA LOGGER measures and stores voltage using PIC16F876
Underground locator generator for Radiodetection using PIC16F628
GPS REPEATER/SYSTEMS MONITOR using PIC16F876
Automatic School Bell
Aurora 48 – 48 RGB LED Sequencer
The simple Joule Thief
How to Program a PIC Microcontroller & Read an Encoder
Simple 3 Resistor PIC Programmer
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
Multifunction RGB LED controller using PIC12F675
- Servo Motor Control by using Microcontroller PIC16F877A
- Simple manual control of stepper motors without a PIC or PC
- 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
- PIC32MX: Interfacing to a Secure Digital (SD) Flash Card
- Switch Relay using pic-microcontroller
- Serial communication with Matlab pic-microcontroller
- Interfacing with a Secure Digital (SD) card using pic-microcontroller
- NU32: Introduction to the PIC32 using pic-microcontroller
- Heat Control System using pic-microcontroller
- Driving a piezo speaker with a PIC using pic-microcontroller
- LED-Guided Piano Instruction using pic microcontroller
- SD-Card with CCS C Compiler using pic microcontroller
- PIC16F628 4 RGB LED PWM Controller using pic microcontroller
- Stepper Motor Driver using PIC18F4550 Microcontroller
- Embedded Linux Controller using pic microcontroller
- LabVIEW motion controller using pic microcontroller
- Led Display Boards InBulk using pic microcontroller
- How to interface MAXIM's DS1868 digital potentiometer with a PIC microcontroller
- Using Fixed Voltage Reference (FVR) for A/D conversion in enhanced mid-range
PIC microcontrollers

- DIY MIDI controllers using PIC microcontrollers and Basic Stamps using pic microcontroller
- Zeus: trigger your camera with lightning using pic microcontroller
- RC Servo Switcher using pic microcontroller
- Interfacing DHT11 humidity and temperature sensor with PIC16F877A using pic microcontroller
- Line Follower Robot – Build it from scratch using pic microcontroller
- PIC microcontroller development board using pic microcontroller
- Introduction to the PIC32 using pic-microcontroller
- USB data logger project using pic-microcontroller
- Photomultiplier Tube (PMT) Controller Circuit B using pic-microcontroller
- PIC Evaluation/Development Board Implementation using pic-microcontroller
- MEASURING HEART RATE USING A PHOTOPLETHYSMOGRAPHIC CARDIOTACHOMETER using pic-microcontroller
- Remote-Control Light Dimmer using pic microcontroller
- Nike+iPod reverse engineering (protocol too) using pic microcontroller
- One-chip 11×10 LED matrix, using pic microcontroller
- PlayPIC – A Tutorial Board for the PIC16F84A Microcontroller
- CNC Controller Motion Schematics (Rev. D) using pic microcontrollers
- Interfacing DS1307 RTC Chip with AVR Microcontroller
- PIC Light Chaser
- 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 QQ-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 microcontroller
- NJM2035 – Hi-Fi Stereo Encoder / Multiplexer using pic microcontroller
- ESR Meter using pic microcontroller
- USB IO Board PIC18F2455 / PIC18F2550 using pic microcontroller
- USB Voltmeter using pic microcontroller
- USB 0-500MHz RF Power Meter with AD8307 using pic microcontroller
- A simple programmer for PIC microcontrollers
- Microchip – Let my robot see! using pic microcontroller
- How to Interface I2C External EEPROM 24LC64 to PIC Microcontroller
- LCD interface with Microcontroller PIC: Beginner’s guide using pic microcontroller
- LED Interfacing with PIC Microcontroller: Embedded C program with circuit using pic microcontroller
- EMDP1 — Extensible Multiple Device Programmer 1 (Rev. C) using pic microcontroller
- Mini GSM localizer without GPS using pic microcontroller
- A PIC frequency counter operating up to about 50 MHz. using pic microcontroller
- How to drive an rgb led using three microcontroller pins. using pic microcontroller
- 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 microcontroller
- USB Stepper Motor Driver using pic microcontroller
- Having fun with HC08 using pic microcontroller
- How to make a computer controlled Robot Project Using PIC16F877A? using pic microcontroller
- How to Interface GSM Module SIM300 with PIC 16F628A Microcontroller for sending SMS and making Calls using pic microcontroller
- 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 microcontroller
- Project Ryu Lagger Guitar Pedal Take 3 using pic microcontroller
- Introducing the BOLT PIC18F2550 Microcontroller Board 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

http://pic-microcontroller.com/project-list/
Spectrum analyzer based PIC18F4550
Interfacing 16×2 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
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 Microcontroller
Usbpiprog – 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 microcontroller
What is PIC Microcontroller
Aurora 48 – 48 RGB LED Sequencer using PIC24FV16KA304
How-to: USB remote control receiver using pic microcontroller
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 microcontroller
Bluetooth Wireless Voltage Meter using PIC12F683 microcontroller
DMM Piggyback (add RS-232) using PIC16F688 microcontroller
Tejas Kulkarni’s Lab Notebook using pic microcontroller
01/\atch 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 microcontroller
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 microcontroller
Wooden LED clock using PIC16LF876A microcontroller
Aurora 9×18 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 microcontroller
WEBSD using PIC24F microcontroller
JDM2 based PIC Programmer
picLink RS232 low cost development controller with ADC using PIC16F628A
USB PIC Programmer : PICKit2 using pic microcontroller
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.
8×8 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 microcontroller
POV Christmas Tree using PIC12F689 microcontroller
- A pic programmer circuit based on AN589 using pic microcontroller
- 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 microcontroller
- 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 Persistance Of Vision Name Badge using PIC16F88
- Interfacing with The Energy Detective using pic microcontroller
- 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 microcontroller
- 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 microcontroller
- Whac-a-Veggie using PIC18F4550 microcontroller
- A Word Clock using PIC16F877 microcontroller
- Augustus's Lab Notebook using pic microcontroller
- 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
- PicPlot2 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 Lagger – Guitar Effect
• F1 Gantry Race Start Lights using PIC16F884
• 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

http://pic-microcontroller.com/project-list/
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 PIC18F8620 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
- Digital clock ds1307 using PIC microcontroller
- The Magnetometer using PIC16F688
- AC power control with thyristor using pic microcontroller
- Schematic PIC Data Logger with Delta-Sigma Converter
- Sending SMS Text Message using PIC Microcontroller – Flowcode
- motor controller for R/C models
- PC Based Digital Voltmeter Using PIC 16F877A
- PIC 16F877 microcontroller based RPM Meter
- Cell Phone Detector
- Nokia 3315 / 3310 LCD interfacing with Microcontroller
- PICs in Space
- Serial Data Logger using PIC16F688
- How to make a contact-less digital tachometer using IR-light reflection technique
- Single Chip Temperature Data Logger
- Digital DC watt meter project using pic microcontroller
- Picaxe LED night light
- Digital Thermometer and Clock Project (Version 1.0)
- Projects on Speed Checker To Detect Rash Driving On Highways
- Mars Clock using PIC16F877A microcontroller
- Generating PWM with PIC Microcontroller – MPLAB XC8
- Alarm Clock Retrofit using PIC16F877
- How To Use PIC Microcontroller For Voice Input And Output
- Soundtrack using PIC16F688 Microcontroller
- Color Globe using PIC16F688 Microcontroller
- How to Generate Sound using PWM with PIC Microcontroller
- Turntable Photography Equipment using PIC16F84A
- LCD Module Control over IR Link using PIC16F690
- How to Implement SPI Using PIC18F4550
- Introducing the Science of Microchip PIC14
- Pic-Plot2 GPIB to USB converter
- How to use inbuilt EEPROM of PIC18F4550 Microcontroller
- PICMAN prototyping board using PIC18LF4553
- The Super-Simple pocket size mp3 player using PIC16LF877A
- PlayPIC Tutorial Board for the PIC16F84A Microcontroller
- How-to: Bus Pirate v1, improved universal serial interface using PIC24FJ64GA002
- Interfacing EM-18 RFID Module with PIC Microcontroller
- 28 Pin PIC Terminal Development Board
- Microchip PIC16F877 to FTDI USB interface
- How to use PIC18F4550 as a SPI Slave Transmitter
- PIC 16F877 / 16F874 Development Board
- Breadboard using dsPIC30F2012 microcontroller
- PIC USB HID (Human Interface Device) Interfacing
- Transmit & Receive Infrared Signals With Your PC Serial Port using PIC12F508
- Message Pump using PIC16F687 microcontroller
- PIC RC Motor Controller (and example lego robot)
- PIC and EEPROM Programmer
- Pingbot – Micro RC Rechargeable Musical Robot Pal using PICAXE
- Digital Clock using PIC Microcontroller and DS1307 RTC
- LED Microcontroller Debug Module using PIC18F4420
- IKEA Mood-light Conversion using PIC12F683P
- Digital Voltmeter Using PIC Microcontroller 16F877A and Seven Segments Display (0-30V)
- Universal High-Power LED Driver with 3D-printable case using PIC16F1823
- Universal High-Power LED Driver – Firmware update using PIC16F1823
- Android App Home Automation via Bluetooth Using PIC16F628A Microcontroller
- New Earth Time (NET) digital clock in recycled retro-modern case using PIC16F627A
- RGB LED Mood Light Standalone PWM controller for RGB LEDs using PIC12F629
- Online Monitoring of Temperature of Conductors Using Zigbee and GSM
- 3 LED Bike Light for PIC10F200
- Using PicBasic with the PIC16F84 PIC Microcontroller
- Simple RS232 to logic level converter for PIC microcontroller
- How to Glow an LED using PWM with PIC Microcontroller
- A video game with software generated video signal!
- Getting Started with MPLAB XC8 Compiler – LED Blinking
- PIC 18F4550 Motor Controller Video Project
- Complete Intro To PIC's – Make an LED Flash Video
- PIC18F252 Programming
- PIC32 Multimedia Expansion Board Review Video
- PIC-Microcontroller C Tool flow Video
- How to use the EQ PIC Development Board Video
- Pocket Programmer
- 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 inbuilt 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
**USART**
- PIC16F877 timer0 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 timer1 code and Proteus simulation
- Two way Simple Very Small Telephone Exchange
- PIC12F675 timer0 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 PIC18F1320 Microcontroller
- PIC Based Message wand
- Arduino powered temperature sensing RGB LED nightlight using PICaxe
- FTS-8 subtone encoder
dspIC30F2012 breadboard
- Logic Probe Plus using PIC12F683
- How Seven Segment Display Multiplexing with PIC Microcontroller for Electronic Sign
- 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 PICMics using PIC16F84
- A PIC16F819 DYMOCLOCK
- Using an LCD’s for Graphics Animation using PIC16C84
- PIC16F84A discolight effect with bass beat control
- USB and PIC Microprocessors 16C745 and 18F2455
- How to interface Seven Segment Display with PIC18F4550 Microcontroller
- Servo Motor Controller using PIC12F629
- Bicycle Persistence of Vision Light Display using PIC16F84
- PIC based WWVB clock
- An Arduino me-too-alike for PIC16F873A
- Digital stopwatch using microcontroller
- Converting a Proxxon MF70 Milling Machine To CNC – 2 using PIC18F4620
- TIMED DISCHARGE ADAPTER using PIC16F628
- 2-wire LCD interface using PIC16CF84
- Naked Clock using PIC16F877 Microcontroller
- NETWORK EQUIPMENT RESEetter using PIC16F628
- TRACK CONTROLLER FOR AWANA® GRAND PRIX using PIC16F628
- Traffic Message Channel receiver using PIC18F8722
- Tampered Energy Meter Monitoring Conveyed to Control Room by GSM with User Programmable Number Features
- Lab 4: Interfacing a character LCD using PIC16F688
- Vehicle Theft Control System by Using GSM and GPS Systems
- Introducing Easy Pulse: A DIY photoplethysmographic sensor for measuring heart rate
- Digital DC Power supply using PWM with PIC microcontroller
- Home Automation and Security System using Microcontroller ATMEGA8 with Arduino Programming
- PIC16CXXX real time clock electronic project
- Interfacing GPS Receiver with 8051 Microcontroller – AT89C52
- DC Motor Interfacing With PIC Microcontroller Using L293 Motor Driver IC
- PWM DC Motor Speed Controller Circuit Using PIC16F877A Microcontroller
- Closed-Caption Decoder using PIC16C84
- Serial Controlled RGB LED PWM Driver PIC12F629 based PWM controller for RGB LEDs
- How to Simulate PIC Microcontroller in Proteus Design Suite 8
- How to Build your Own USB PIC Programmer?
- COMBINATION LOCK FOR SAFE using PIC16F628
- Microchip PIC Serial Port Programmer
- LM386 based stereo audio amplifier with digital volume control using PIC18F2550
- PIC 16F88 Microcontroller PIC based Tengu
- Stroop Game using PIC16F628 Microcontroller
- Line following Robotic Vehicle using Microcontroller
- Infrared IR Sensor Interface with PIC18F4550 Microcontroller
- Digital Clock Using Microcontroller 89C52/89S52
- Programming a Picaxe 08m chip
- Interfacing Relay to Microcontroller
- How to interface RFID with PIC18F4550 Microcontroller
- Home Security System with GSM Using 8051 Microcontroller
- Strobe Lights Project
- Lecture 43 : Interfacing PIC16F877 Microcontroller with an LCD
- HD44780 16×2 Char LCD Interfacing with microcontroller
- Interfacing 7-Segment Display With PIC Microcontroller – MikroC
- Password Based Circuit Breaker using PIC Microcontroller with C code
- Major Electronic Peripherals Interfacing to Microcontroller 8051
- Speed Control of DC Motor using Microcontroller by using PWM ECE Project
- 1. Serial interfacing LCD with Pic Microcontroller
- MOTION SENSOR USING PIR SENSOR MODULE WITH PIC MICROCONTROLLER AND WITHOUT MICROCONTROLLER
- World’s Smallest Low-speed USB Analyzer using pic16f877
- Top PIC Microcontroller Projects with Embedded C Programming
- Digital Ammeter circuit using pic microcontroller
- USB Human Interface Device Communication with PIC Microcontroller – MikroC
- Solar energy measurement using pic microcontroller
- Pic Projects With Schematics And Source Code
- PIC16F877 timer1 code and Proteus simulation
- Single microcontroller based 12v to 230v inverter with intelligent battery charging
- Big 7-segment Digital Clock
- IR Remote Controlled Tracked Robot
- PIC16F877A LED blink
- Rotary Encoder Interfacing with PIC Microcontroller
- Red Light for Astronomy Observing using PIC12F683
- PIC16F628 DS18B20 Adjustable thermometer circuit
- Refrigerator Temperature Controller Project (Save Your Electricity Bill)
- Wireless Home Appliance Controller Project
- PicoDetector : a PIC-based simple and cheap metal detector
- PIC16F84A MemoSound Game
- PIC16F877 i2c code and Proteus simulation
- Interfacing DS1307 to PIC Microcontroller with C code and Circuit Diagram
- 0-9999 seconds count down timer using PIC12F683 microcontroller
- Incredible DIY iPhone Macro
- Chromation Systems RGB LED Tube Light
- d.i.y. Handheld Multichannel Analyzer (MCA) based on 16F877 PIC Microcontroller and LCD
- Kaossilator 2 hack: hands free (part 1/2)
- Christmas card with inbuilt retro video game for under $10
- New Microchip PIC32 Microcontrollers Run at 72MHz
- TD-USB-02 interface with touchpad sensor board and WinAmp interface using PIC18F2550
- PIC 16F88 Digital Thermometer Light Meter and resistance ohm meter
- IC-Based H-Bridge Tutorial
- Mouse interfacing and communication using PIC16F877
- MTM Scientific, Inc… PIC Project for CATV Tuner
- Complete Circuit Board Lab & POV Business Card using PIC12F508 microcontroller
- Single-Tube nixie clock | Microcontroller Project
- rtc microcontroller
- PIC Microcontroller Based Electronic Lock
- Microcontroller based Diode and Bipolar Junction Transistor (BJT) tester
- Standalone BreadBoard Breakout for PIC Microcontrollers
- Ultrasonic Position System
- PIC16F877A (with LCD) not working
- Learning Board for PIC12F683 Microchip
- Ionization Smoke-Detector With Programmable Calibration
- Microcontroller Based Password Verification System
- Up-Down counter on 16*2 LCD using 8051 microcontroller
- How to display text on 16*2 LCD using PIC18F4550 Microcontroller
- Interfacing LCD with PIC Microcontroller – CCS C
- Mini project board for PIC12F series microcontrollers
- How to Program a PIC Microcontroller to Build a Project
- Treslie – A 3-phase speaker system for Leslie emulation using PIC18F26K20
- 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
- IO Controller with serial port CLI using PIC16F627A
- Alarm Phone Dialer with MT8880 and PIC 16F84A
- Metal detector robot using pic microcontroller
- Digital Barometer using PIC Microcontroller and MPX4115A Pressure Sensor – XC8
- PIC 12F675 Microcontroller Tutorial.
- Quozl's Temperature Sensor Project using PIC12C509
- Electronic Code locking system using PIC 16F877 Microcontroller
- VCR Pong using PIC16C711 Microcontroller
- Getting started with PIC18F Microcontrollers
- Voltage programmable simple logic device using PIC12F675
- Interfacing xbee with PIC microcontroller using MikroC
- Digital Clock using PIC Microcontroller Interrupt – XC8
- 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 PIC microcontroller
- Easy Way to Design an Automatic Driverless Train
- Microcontroller controlled Home Entertainment System
- Cheap PIC Programmer
- RGB REMOTE (pinguino+web+linksys) using PIC18F2550 microcontroller
- Shrieker 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 PIC16F628
- 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
- Text in the air with PIC16F84
- PIC Microcontroller project – 24 hour clock and thermometer displayed via 16f690 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
- Ponyprog 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 Slicker
- 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 Stimulation)
- DIY Muscle Sensor / EMG Circuit for a Microcontroller
- Development board for Attiny84 Microcontroller
- DIY $1 PIC 12F675 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
- Digital Temperature Sensor Circuit
- How to work with inbuilt ADC Module of PIC18F4550
- PIC16F84A timer0 code and Proteus simulation
- Chapter 1: PIC16F887 Microcontroller – Device Overview
- Interfacing DC Motor with 8051 Microcontroller
- Latest Microcontroller Based Electronic Project Circuits in 2014
- IN-8 single nixie tube clock using PIC16F84
- Know the Procedure of GSM Modem Interfacing with 8051
- RFID Based Attendance System – Circuit, Working, Source Code
- Simple mass storage for your microcontroller project
- Wireless controlled lightdimmer using PIC12F629
- CELLPHONE OPERATED LAND ROVER
- TIC TAC TOE game using PIC16F628
- Serial Data Received from PC and Displayed on 16×2 Using USART of Pic16F877 Microcontroller
- LED Scrolling Display Project Working With Circuit Diagram
- Top Microcontroller based Mini Projects for 3rd and 4th Year Engineering Students
- A new multi-function power supply unit for my Embedded Lab using PIC16F689
- Build a musical EKG with the Freescale FRDM-KL05
- Audio CRO using PIC12F675 Microcontroller
- Automotive Voltage Monitor using PIC12F683
- RS232 – Infra-Red Interface
- Amicus18: Arduino-style platform for PIC fans using PIC18F25K20
- Ultrasonic Range Finder Circuit AD605 PIC16F876
- Infrared Remote Controlled (RC) Steerable Vibrobot Created by Naghi Sotoudeh
- WHAT IS A PIC MICROCONTROLLER? WHAT CAN IT DO?
- Keypad 4×5 for microcontrollers v. 1.1 using PIC16F877
- Curiosity Development Kit Board
- Electrical Subsystem Schematics
- chipKIT Tutorial 3: Analog-to-digital conversion
- chipKIT Tutorial 4: Interfacing a character LCD
- chipKIT Project 1: Digital thermometer using an LM34 sensor
- chipKIT Project 2: Temperature and relative humidity logger
- chipKIT Tutorial 5: Pulse width modulation (PWM)
- chipKIT Tutorial 6: Inter-Integrated Circuit (I2C) communication
- chipKIT Project 3: Easy Pulse Meter
- What is Chipkit Development Board?
- chipKIT Tutorial 2: Serial communication with PC
- chipKIT Tutorial 1: Digital input and output
- On-Board Satellite Controller using ARM Based Microcontroller
- Universal Driver & Dev Board using PIC16F
- chipKIT Project 4: Digital light meter
- chipKIT Project 5: Digital stopwatch on seven segment LED display
- chipKIT Tutorial 7: Using Nokia 5110 LCD
- PIC16F1787 Programmer Board (for Almost all 40 pin 16Fxxx)
- Programmable Stiffness Joint using pic-microcontroller
- A digital thermometer or talk I2C to your atmel microcontroller using pic microcontroller
- Voice Activated Power Sockets (Home Automation)
- RGB LED PWM Driver for High Power 350mA LEDs using PIC12F629
- PIC 12F675 Programmable 12V Battery Monitor
- Determine capacitance by measuring the charging time using PIC16F688
- BATTERY CHARACTERIZER using PIC18F252
- Build this microcontroller controlled rainbow flying disc – and then throw it!
- How to display custom characters on LCD using PIC16F877
- PIC18 Development Board with Ethernet and USB
- Intel D945GCLF Small Front Panel using PIC12F629
- Picaxe Projects #1: Making Fast Printed Circuit Modules
- Microcontroller’s based Password Locker
- 3D Printed Microcontroller Dice Roller
- The perfect Remote, Programmable, Controller for interactive LED strips
- Circuit design and electronics using pic-microcontroller
- Electronic Heart (Flashing LEDs) – Mother’s Day Project
- Trippy RGB Color Mixing NightLight

http://pic-microcontroller.com/project-list/
• Mädchen Machen Technik using pic-microcontroller
• USB Reprogrammable iButton door lock
• PIC KICK TWEET!
• Computer-Controlled Light-Up Water Fountain using pic-microcontroller
• Pinguino Egypt – PIC Based Arduino
• Temperature and relative humidity display with adaptive brightness control using PIC12F683
• Gas Cooker & Water Purifier Using Free Energy
• 2-Channel IR Relay Controller for PIC10F200
• 00 to 99 minute timer using PIC16F628A microcontroller
• Wireless Sensor Motor Control using PIC18LF4520
• Circuit design and electronics using pic-microcontroller
• Oscilloscope clock
• make your own wearable LED display using pic-microcontroller
• 7 Segment LED display with PIC controller and Flowcode V5
• Granular Flow Rotating Sphere using pic-microcontroller
• USB digital GPIO I/O extender using pic microcontroller
• DIY Datalocker
• Mini AV Test Box using pic microcontroller
• OSOMCOM POCSAG BTS using pic microcontroller
• Steam Turret Tank R/C PIC Servo Controller
• About the Temperature Sensor using pic microcontroller
• SPI to 4 x UART Bridge (MULTIUART)
• How to interface GPS with PIC18F4550 Microcontroller
• The Most Useless Machine EVER!
• Updated PIC 18F4550 USB Demo Board Video
• Expanding the number of I/O lines using Microchip MCP23008 using pic microcontroller
• Multimeter Clock
• Connecting multiple tact switches on a single input pin of a microcontroller
• MikroElektronika’s “Ready for PIC” board talks to “Processing” using pic microcontroller
• Nixie Tube Ornament
• GSM Voice Dialer with Automation Control using PIC18F46K20-I/PT
• Crossed IR Beam Camera/Flash Trigger
• 2-Wire Keypad Interface Using a 555 Timer using pic microcontroller
• NES Controller iPod Remote
• Hacking the Xbox CONTROLLER
• Humidity and temperature measurements with Sensirion’s SHT1x/SHT7x sensors (Part 1) using pic microcontroller
• Joshua Marchi’s Lab Notebook using pic microcontroller
• Semi-Automatic NERF Longshot
• CSCI 255 Lab using pic-microcontroller
• The ChromoDisk
• USB Keypad Demonstration – Crystal Free USB and mTouch™ Sensing Solutions using pic microcontroller
• Lucid Dream/Dream Recall Machine using infrared
• PIC MCUs: Hardware and Connections using pic-microcontroller
• eLab Hackerspace GSM Access Control System
• CS2200 Intro to Systems and Networks using pic-microcontroller
• Aurora 9×18 RGB LED art
- Towers of Hanoi Final report using pic-microcontroller
- RC5/RC6 codes on a LCD using PIC16F648A
- Cheap Easy Solar Powered Robot
- Andy Robison’s Lab Notebook using pic microcontroller
- Arduino controlled light dimmer
- Data logging with an EEPROM
- Computer Controlled Star
- Xbee Wireless Servo Control using PIC18LF4520
- How to Create an Eye Catching Display (LED Style)
- Remote Control mood light[jar]
- An “Antique Radio” Christmas Present
- Interactive LED Beer Pong Table 2.0 (BPT X5)
- One-chip sound player.
- Mirror “Tube” – LED Optical illusion
- BlinkLED
- Leon’s Mini Random Number Generator (mRNG) using pic microcontroller
- Vehicle security with GSM
- LED LYT Meter: LED, PIC Microcontroller, and Moving Average Code
- Arduino solar charge controller + output control and data logging online with Xbee WiFi
- TTPSU – Power supply for turntables with AC motors
- Pimp my Pong
- Microchip PIC16F877 Microcontroller
- Cheap and Easy Dial Controlled High Power RGB LED(s) Driver
- How to Create a Beer Bottle LED VU Meter
- Serial LCD Controller
- Analog Experiments Anywhere
- Aurora 9×18 Kit
- The Rock
- A PIC Ultrasonic distance meter project using a Seven Segment display and a PIC micro.
- Echo Mp3 DIY Audio player using PIC18F46K20
- The Glowing Green Robot
- A PIC Serial LCD Project
- Making a mini LED Christmas tree
- MIDI-Controlled Analog Music Synthesizer
- MIDI-Controlled Analog Music Synthesizer
Current Project / Post can also be found using:

- pic16f877a projects
- pic project
- pic microcontroller based mini projects with circuit diagram
- pic projects with source code