Microcontroller PIC Projects are categorized on the basis of microcontroller applications. Microchip pic microcontrollers belong 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.

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- Pic 16F676 ICSP programing socket for the PICkit 2 programer Posted in: Microcontroller Programmer Projects, Projects
- 48 Channel Mono / 16 Channel RGB LED Controller using PIC18F2550 microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LED Projects, Projects
- Mood vase using PIC12F683 microcontroller Posted in: Home Automation Projects, LED Projects, Projects
- Simple JDM PIC Programmer using PIC16F84A microcontroller Posted in: Other Projects, Projects
- DC motor control with Joystick and PIC16F877A Posted in: Motor Projects, Projects
- How to make a Clap-Clap on / Clap-Clap Off switch circuit using PIC10F222 Posted in: How To – DIY – Projects, Projects
- Control a Hobby Servo using PIC18F2455 microcontroller Posted in: Other Projects, Projects
- PIC development/testing board using PIC16F877 microcontroller Posted in: Development Board – Kits Projects, Projects
- 3x3x3 LED Cube using PIC16F690 microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LED Projects, Projects
- PIC18F Based 6 Channel DMX Transmitter Posted in: Projects, Radio Projects
- All pic programmer using 16F87X microcontroller Posted in: Microcontroller Programmer Projects, Projects
- Cheap PIC controlled Helmet Camera using Sony LANC (Good for Extreme Sports) using PIC16F690 Posted in: Other Projects, Projects
- ECG on your laptop using PIC16F876 microcontroller Posted in: Medical – Health based Projects, Projects
- Augmenting a Microcontroller using PIC16F886 Posted in: Other Projects, Projects
- Quick Key Adapter, 10 Button HID Keyboard using PIC18F14K50 Posted in: Other Projects, Projects
- PWM Fan Controller using PIC12F675 microcontroller Posted in: Projects, PWM Projects
- Large Dancing Robot using PIC16F877A microcontroller Posted in: Projects, Robotics – Automation Projects
- Twitter Watcher, the #twatch using PIC18F67J60 microcontroller Posted in: LCD Projects, Projects
- Parallel Port 3 Axis CNC Driver, Opto-Isolated, Unipolar Steppers using PIC16F876A microcontroller Posted in: Motor Projects, Projects
- Life Size Operation Game using PIC16F877 microcontroller Posted in: Game – Entertainment Projects, Projects
- LED Binary Clock using PIC16F628A microcontroller Posted in: Clock – Timer Projects, LED Projects, Projects
- Power Pic RGB with voltage control using PIC12F675 Posted in: Other Projects, Projects
- 7-Segment ASCII character Set A 127-character ASCII table for 7-segment LED or LCD displays using PIC16C84 Posted in: LCD Projects, LED Projects, Projects
- Candle Simulator using PIC12F675 microcontroller Posted in: Game – Entertainment Projects, Home Automation Projects, Projects
- How to getting started with microcontrollers projects using PIC12F629 microcontroller Posted in: Microcontroller Programmer Projects, Projects
- PicPOV – Persistence of Vision with a PIC18F1220 Posted in: LED Projects, Projects
- A simple display that uses the POV to display messages in the air using PIC12F629 microcontroller Posted in: Other Projects, Projects
- A 12hr/24hr LED Clock with display control using PIC16F628A microcontroller Posted in: Clock – Timer Projects, LED Projects, Projects
- PIC sound player (PCM to PWM converter) using PIC18F1320 Posted in: Projects, Sound – Audio Projects
- Classic LED 7-Segment Displays using PIC16F887 Posted in: LED Projects, Projects
- NOPPP, the "No-Parts" PIC Programmer using PIC16F83 Posted in: Microcontroller Programmer Projects, Projects
- Infra/radio remote control transmitter/receiver with PIC16F630 Posted in: Internet – Ethernet – LAN Projects, Projects, Radio Projects
- Grid Powered Battery Charger – The Plans using PIC16F676 Posted in: Battery Projects, Projects
- Countdown Timer using PIC16F84 microcontroller Posted in: Clock – Timer Projects, Projects
- GTP USB PIC PROGRAMMER (Open Source) using PIC18F252 Posted in: Microcontroller Programmer Projects, Projects
- Brushed Motor ESC using PIC12F675 microcontroller Posted in: Motor Projects, Projects
- DDS/PLL based VFO synthesizer using PIC16F876 Posted in: Other Projects, Projects
- Direct Digital Synthesis (DDS) using PIC16F84 microcontroller Posted in: Other Projects, Projects
- Designing a PID Motor Controller using PIC16F876 Posted in: Motor Projects, Projects
- Caller Line Identification (CLI) using PIC16F628A Posted in: Phone Projects, Projects
- DC motor speed control using PWM using PIC16F876 Posted in: Motor Projects, Projects, PWM Projects
- Medallion: Circle LED Animation PIC16F628A Posted in: Game – Entertainment Projects, Home Automation Projects, LED Projects, Projects
- 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
- Heart rate measurement from fingertip using PIC16F628A
- PWM DC Motor Controller for PIC12F683
- LED Strobe for PIC12F629
- A Beginner's data logger project using PIC12F683 microcontroller
- Build A Digital Tachometer/RPM Counter using PIC18F452
- Heart rate measurement from fingertip using PIC16F628A
- My GPS LCD Display Project using PIC16F84
- Ir Light Dimmer v.1 adjusting lights with remote controller using PIC12F628
- IKSOIL 16F84 PIC Frequency Counter Files
- Darkroom Timer using PIC16F84 microcontroller
- Universal Infrared Receiver using PIC16F84 and PIC12C508
- Universal RC5/R6 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
- Stepper Motor Controller using pic16f628a
- PIC Based Speed Controller using PIC16C54
- pic18F458 Microcontroller based Solar Recorder
- pic12683 Microcontroller based Programmable LED
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- Digital Voltmeter (DVM) using PIC16F688
- 0-9999 seconds count down timer using PIC12F683 microcontroller
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- Making a digital capacitance meter using PIC16F628A
- A brief overview of Allegro ACS712 current sensor using PIC16F1847
- Measurement of temperature and relative humidity using DHT11 sensor and PIC microcontroller using PIC16F628A
- Humidity and temperature measurements with Sensirion's SHT1x/SHT7x sensors using PIC18F2550
- 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
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- IR Remote Control Repeater using PIC12F629
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- Programmable digital timer switch using a PIC16F628A
- PIC-2 USB BURNER using PIC18F2550
- WORLD’S SIMPLEST PROGRAM using PIC12F629
- HAPPY BIRTHDAY using PIC12F629 Microcontroller
- Motion detection alarm using a PIR sensor module with a PIC12F635
- VGA display using PIC18F452 microcontroller
- Experimenting with a thermistor using PIC16F1937
- A Digital temperature meter using an LM35 temperature sensor using PIC16F688
- Microcontroller based Diode and Bipolar Junction Transistor (BJT) tester using PIC16F688
- 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
- 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
- Gear Clock using PIC16F676 Microcontroller
- Digital Oscilloscope using PIC16F688
- Build a digital clock with its digits levitating in the air using PIC16F84
- LC meter using PIC16F628A Microcontroller
- Home Automation and Safety via GSM Remote
- SMS Box project using PIC16F877A Microcontroller
- Tiny GSM alarm system using PIC16F84A
- Function Generator using PIC16F870 microcontroller
- HandySwipe portable magnetic card reader using PIC16F688
- 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 Strip Controller high-side LED drive for PIC12F629
- Serial Addressable RGB PWM LED Driver using PIC16F628A
- 4 Channel DMX512 Driver for PIC16F1823
- 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
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- PIC Microcontroller timer Video Project
- How to display text on 16x2 LCD using PIC18F4550
- How to create custom characters on 16x2 LCD using PIC18F4550
- Interfacing of PIC16F877 with DS1307 (RTC) code and Proteus simulation
- Interfacing of PIC16F877 with i2c based 24LC64 EEPROM (Code + Proteus simulation)
- PIC16F877 internal EEPROM code and Proteus simulation
- How to interface keypad with PIC16F877
- PIC16F877 based digital clock using LCD display (Code+Proteus simulation)
- PIC16F877 LCD interfacing code (In 4 bit mode) and Proteus simulation
- PIC16F877 UART code and Proteus simulation
- PIC16F877 external interrupt code and Proteus simulation
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- PIC12F675 i2c (bit banging) code and Proteus simulation
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- PIC12F84A i2c (bit banging) code and Proteus simulation
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Feedback / Suggestions

How to Interface GSM Module SIM300 with PIC16F628A Microcontroller for sending SMS and making Calls using pic microcontroller

Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

How to Interface DHT11 humidity and temperature sensor with PIC16F877A using pic microcontroller


Line Follower Robot – Build it from scratch using pic microcontroller

Posted in: Robotics – Automation Projects

USB data logger project using pic-microcontroller

Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

Remote-Control Light Dimmer using pic microcontroller

Posted in: LED Projects

One-chip 11x10 LED matrix. using pic microcontroller

Posted in: LED Projects

CNC Controller Motion Schematics (Rev. D) using pic microcontrollers

Posted in: CNC Machines Projects

Interfacing DS1307 RTC Chip with AVR Microcontroller

Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

PIC Light Chaser

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The IDE Project

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Simple RS232C Level Converter using Transistors using pic microcontroller

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Build a PIC controlled DDS VFO, 0 to 6 MHz using pic microcontroller

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AquaCont – Aquarium control using microcontroller

Posted in: Sensor – Transducer – Detector Projects

8049 Spy using pic microcontroller

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Generating PWM with PIC Microcontroller using CCP Module

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Blinking LED using PIC Microcontroller with Hi-Tech C

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Digital Thermometer using PIC Microcontroller and LM35 Temperature Sensor


Interfacing Relay with PIC Microcontroller

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How to burn or program PIC Microcontroller?

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Circuit Digital Clock Using PIC16F628a Microcontroller Schematics

Posted in: Clock – Timer Projects

Pickit 2 clone The Universal Microchip PIC Programmer /Debugger

Posted in: Microcontroller Programmer Projects

60MHz Frequency Meter / Counter using pic microcontroller

Posted in: Metering – Instrument Projects

Voltmeter Ammeter using pic microcontroller

Posted in: Metering – Instrument Projects

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


ESR Meter using pic microcontroller

Posted in: Metering – Instrument Projects

USB IO Board PIC18F2455 / PIC18F2550 using pic microcontroller

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USB 0-500MHz RF Power Meter with AD8307 using pic microcontroller


LCD interface with Microcontroller PIC: Beginner’s guide using pic microcontroller

Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LCD Projects

How to drive a Dot Matrix LED Display. using pic microcontroller

Posted in: How To DIY – Projects, LED Projects

Having fun with HC08 using pic microcontroller

Posted in: Game – Entertainment Projects

How to make a computer controlled Robot Project Using PIC16F877A? using pic microcontroller

Posted in: Robotics – Automation Projects

How to Interface GSM Module SIM300 with PIC 16F628A Microcontroller for sending SMS and making Calls using pic microcontroller

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Water Level Indicator and Controller using PIC Microcontroller

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Disco Lights Project using pic microcontroller

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Digital Alarm Clock Schematic using pic microcontroller

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• Building A Robot: Motor Control
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• Usbpicprog – A free and open source USB Microchip PIC programmer (Software and Hardware) for Linux, Windows e MAC
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• Analog to Digital Converter Using PIC16F877A Microcontroller – Beginners Guide using pic microcontroller
• POV Christmas Tree using PIC12F689 microcontroller
• Business Card PIC Programmer using PIC12F629 microcontroller
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- An Easy to build & multifunctional counter with 7-Segment Led Display using PIC16F628 microcontroller
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- The VGA Test Box using pic18f452 Microcontroller
- PIC PAL Video Library using pic18f4620
- Simple USB to RS232 adapter on pic18f245
- The IR Widget using pic12f629
- 50 MHz frequency counter, voltage meter & SWR/PWR indicator using PIC16C71
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- PC Based Digital Voltmeter using PIC 16F877APosted in: Metering – Instrument Projects
- PIC 16F777 microcontroller based RPM Meter
- Cell Phone Detector
- Nokia 3315 / 3310 LCD interfacing with Microcontroller
- PICs in Space
- Serial Data Logger using PIC16F888
- 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
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- Digital Thermometer and Clock Project (Version 1.0)
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- Generating PWM with PIC Microcontroller – MPLAB XCB
- Alarm Clock Retrofit using PIC16F877
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- PIC RC Motor Controller (and example lego robot)
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- Digital Clock using PIC Microcontroller and DS1307 RTC
- LED Microcontroller Debug Module using PIC18F4420
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Feedback / Suggestions

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- Digital Voltmeter Using PIC Microcontroller 16F877A and Seven Segments Display (0-30V) Posted in: Metering – Instrument Projects
- Universal High-Power LED Driver with 3D-printable Case using PIC16F1823 Posted in: LED Projects, Projects
- Universal High-Power LED Driver – Firmware update using PIC16F1823 Posted in: LED Projects, Projects
- New Earth Time (NET) digital clock in recycled retro-modern case using PIC16F627A Posted in: Clock – Timer Projects, Projects
- RGB LED Mood Light Standalone PWM controller for RGB LEDs using PIC12F629 Posted in: Clock – Timer Projects, Projects, Projects, PWM Projects
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- Red Light for Astronomy Observing using PIC12F683 Posted in: Home Automation Projects, LED Projects, Projects
- PIC16F628 DS18B20 Adjustable thermometer circuit Posted in: Development Board – Kits Projects
- Refrigerator Temperature Controller Project (Save Your Electricity Bill) Posted in: Temperature Measurement Projects
- PicoDetector : a PIC-based simple and cheap metal detector Posted in: LED Projects
- PIC16F84A MemoSound Game Posted in: LED Projects
- Interfacing DS1307 to PIC Microcontroller with C code and Circuit Diagram Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
- 0-9999 seconds count down timer using PIC12F683 microcontroller Posted in: LED Projects
- Incredible DIY iPhone Macro Posted in: Phone Projects
- Chromation Systems RGB LED Tube Light Posted in: LED Projects
- d i y. Handheld Multichannel Analyzer (MCA) based on 16F877 PIC Microcontroller and LCD Posted in: LCD Projects
- Christmas card with inbuilt retro video game for under $10 Posted in: Game – Entertainment Projects
- New Microchip PIC32 Microcontrollers Run at 72MHz Posted in: Development Board – Kits Projects
- PIC 16F88 Digital Thermometer Light Meter and resistance ohm meter. Posted in: Metering – Instrument Projects
- IC-Based H-Bridge Tutorial Posted in: Motor Projects
- MTM Scientific, Inc... PIC Project for CATV Tuner Posted in: Other Projects
- Single-Tube nixie clock | Microcontroller Project Posted in: Clock – Timer Projects
- PIC Microcontroller Based Electronic Lock Posted in: LCD Projects
- Microcontroller based Diode and Bipolar Junction Transistor (BJT) tester Posted in: Development Board – Kits Projects
- Standalone BreadBoard Breakout for PIC Microcontroller Posted in: Development Board – Kits Projects
- Ultrasonic Position System Posted in: Development Board – Kits Projects
- PIC16F877A (with LCD) not working Posted in: LCD Projects, Temperature Measurement Projects
- Ionization Smoke-Detector With Programmable Calibration Posted in: Sensor – Transducer – Detector Projects
- Microcontroller Based Password Verification System Posted in: Other Projects
- Up-Down counter on 16*2 LCD using 8051 microcontroller Posted in: LCD Projects, Microcontroller Programmer Projects
- How to display text on 16x2 LCD using PIC18F4550 Microcontroller Posted in: LCD Projects
- Interfacing LCD with PIC Microcontroller – CCS C Posted in: LCD Projects
- Mini project board for PIC12F series microcontrollers Posted in: Development Board – Kits Projects, Projects
- How to Program a PIC Microcontroller to Build a Project Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• 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 PIC16E
• 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
• Mädchen Machen Technik using pic-microcontroller
• USB Reprogrammable iButton door lock
• PIC KICK TWEET!
• Computer-Controlled Light-Up Water Fountain using pic-microcontroller
• Pinguno 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
• The perfect Remote, Programmable, Controller for interactive LED strips
• Clock – Timer Projects, Metering – Instrument Projects, Projects
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• Data logging with an EEPROM Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Computer Controlled Star Posted in: LED Projects
• Xbee Wireless Servo Control using PIC18LF4520 Posted in: Motor Projects, Projects
• How to Create an Eye Catching Display (LED Style) Posted in: LED Projects
• Remote Control mood light[Jar] Posted in: LED Projects
• An “Antique Radio” Christmas Present Posted in: LCD Projects
• Interactive LED Beer Pong Table 2.0 (BPT XS) Posted in: LED Projects
• One chip sound player. Posted in: Sound – Audio Projects
• Mirror “Tube” – LED Optical illusion Posted in: LED Projects
• RGB LED Color Cycling Circuit Posted in: LED Projects
• BlinkLED Posted in: LED Projects
• Leon’s Mini Random Number Generator (mRNG) using pic microcontroller Posted in: LED Projects
• Vehicle security with GSM Posted in: LCD Projects
• LED LYT Meter: LED, PIC Microcontroller, and Moving Average Code Posted in: Metering – Instrument Projects
• Arduino solar charge controller + output control and data logging online with Xbee WiFi Posted in: LCD Projects
• TTPSU – Power supply for turntables with AC motors Posted in: LCD Projects
• Pimp my Pong Posted in: Development Board – Kits Projects
• Microchip PIC16F877 Microcontroller Posted in: LED Projects
• Cheap and Easy Dial Controlled High Power RGB LED(s) Driver Posted in: LED Projects
• How to Create a Beer Bottle LED VU Meter Posted in: LED Projects
• Serial LCD Controller Posted in: LCD Projects
• Analog Experiments Anywhere Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Aurora 9x18 Kill Posted in: LED Projects
• The Rock Posted in: Robotics – Automation Projects
• A PIC Ultrasonic distance meter project using a Seven Segment display and a PIC micro. Posted in: LCD Projects
• Echo Mp3 DIY Audio player using PIC18F46K20 Posted in: How To – DIY – Projects, Projects, Sound – Audio Projects
• The Glowing Green Robot Posted in: Robotics – Automation Projects
• A PIC Serial LCD Project Posted in: LCD Projects
• Making a mini LED Christmas tree Posted in: LED Projects
• MIDI-Controlled Analog Music Synthesizer Posted in: Sound – Audio Projects
• MIDI-Controlled Analog Music Synthesizer Posted in: Sound – Audio Projects
• LED scrolling Christmas tree ornament with built in video game! Posted in: LED Projects
• Emergency Excuse Generator using PIC16F690 Posted in: Other Projects, Projects
• TrH Meter: A DIY indoor thermometer plus hygrometer with adaptive brightness control implemented to 7-segment LED displays Posted in: LCD Projects
• TrH Meter: A DIY indoor thermometer plus hygrometer with adaptive brightness control implemented to 7-segment LED displays Posted in: LCD Projects
• Temperature and relative humidity display with adaptive brightness control Posted in: LED Projects
• JavaBot1 .............. A line following robot Posted in: Robotics – Automation Projects
• Making a 8x40 LED matrix marquee using shift registers Posted in: LED Projects
• C-52EVB Robot Controller Posted in: Robotics – Automation Projects
• Generic Automotive Light Effect PIC/Arduino Modules Posted in: LED Projects
• PIC MICROCONTROLLER PROJECTS AND LCD CIRCUITS Posted in: LCD Projects
• F84 Miniature Real-Time Controller Posted in: LED Projects
- PIC microcontroller led flasher circuit using PIC16F627A
- digital thermometer using pic microcontroller and MCP9700
- Emergency Vehicle LED Light
- WLoader – a 16877 application loader using pic microcontroller
- DS18S20 interfacing with pic and avr microcontroller
- My New MIDI Merger uses 10 MIPS £1.00 PIC Microcontroller using PIC18F4320
- Green house intelligent control system
- Test For Presence of Internal Oscillator Calibration Word for PIC12F629
- Remote controlled LED lighting effects
- PIC32MX: Interfacing to a Secure Digital (SD) Flash Card
- Power MOSFET RGB LED PWM Driver for PiC12F683
- PIC Microcontroller Basics and Applications for Engineering Students
- Top PIC Microcontroller Projects Ideas
- HC08 Fan Timer using pic microcontroller
- LED FX using PIC12F629 Microcontroller
- PIC Waveform Recorder
- Serial LCD project using PIC16F877A Microcontroller
- Single-Axis PIC Controlled Solar Tracker DIY Kit
- Stepper Motor Interface PIC16F
- PIC Microcontroller Projects for Final Year Engineering Students
- F84-Programmer using pic microcontroller
- PCF8573P I2C Real Time Clock
- PlayPIC – A Tutorial Board for the PIC16F84A Microcontroller
- 5 transistor PIC programmer *Schematic added to step 9*
- How to build a speed detector for a coilgun project
- PIC Projects using pic microcontroller
- Application of Microcontroller in Science and Technology
- A pic programer circuit based on AN589
- The chipKIT™ UNO32™ and MAX32™ development boards for the Arduino™ Community
- My New MIDI Merger uses 10 MIPS £1.00 PIC Microcontroller
- TTL to RS232 Signal Conversion
- Easy Debugging Terminal using pic microcontroller
- Microdot – wrist watch LED pattern timpiece using PIC16F8 microcontroller
- Speed control of DC motor by PWM in Proteus simulation
- The PIC Elmer 160 Project Board using PIC16F628
- A complete guide for LED Blinking
- Lab 2: Basic digital input and output
- PIC12F675 Comparator Code and Proteus Simulation
- pic microcontroller projects pdf
- martin lightjockey 2 free
- Universal Serial Infrared Receiver using PIC16F88
Feedback / Suggestions
Building the Inchworm ICD2 PIC Programmer / Debugger using PIC16F877
Serial Data Logger with PIC microcontroller
Stepper Motor Driver using PIC18F4550 Microcontroller
PIC16F84A Gas Detector using GH-312 sensor
How to interface MAXIM's DS1868 digital potentiometer with a PIC microcontroller
A DDS Module based on the AD9835 using PIC16F84
Stepper Motor Speed Control with PIC18F4550
Infrared IR Sensor Interface with PIC18F4550 Microcontroller
USB Interface Board Tutorial Using PIC18F4550
RC Servo Switcher using pic microcontroller
PIC18F2550 : Blink LED using XC8 Compiler
PIC16F628 A RGB LED PWM Controller using pic microcontroller
The Ultra-QP An Ultrasound QSO Party Rig Fun & Educational!
Q-matic Circuit Application of PIC16F877 Microcontroller
Gen 3.2 PCS Board Design
Microcontroller Controlled Metal Detector Projects
PIC16F84 Evaluation Board
Seven Segment Display Thermometer with PIC Microcontroller
Music player built on microcontroller AT91SAM7S256 with ARM core
Build a digital spirit level using a SCA610 accelerometer using PIC16F684
Introducing PIC Microcontroller projects
Countdown Timer using PIC16F690 microcontroller
NJM2035 – HI-FI Stereo Encoder / Multiplexer using pic microcontroller
PIC based WWVB clock
Rainbow LED Chaser
Night Light Saver V3.2 (PIC12C508)
Building your own Simple Laser Projector using the Microchip PIC12F683 Microcontroller
C-52EVB Robot Controller
USB Stepper Motor Driver using pic microcontroller
Real Time Clock Circuit using Microcontroller
Connect CAN-SPI with PIC Controller
Connect CAN Protocol with PIC
Connect ADC with PIC16F877
PIC microcontroller development board using pic microcontroller
Door lock opener
How-to: USB remote control receiver using pic microcontroller
Servomotor-based mobile robot control
PC Interfacing a GameBoy Camera using PIC18F4620 microcontroller
Right-left scrolling LEDs
PICMicro Programmer with the “EICheapo” using PIC16F84
DMM Piggyback (add RS-232) using PIC16F688 microcontroller
A discussion on the drive-current for the outputs of a PIC12C508A microcontroller

Other Projects, Projects

A cheap Ultrasonic Range Finder

LCD Projects

How to use PIC16F84A pin as input (Code+Proteus simulation)

Other Projects, Projects

PIC Frequency Counter with Frequency Lock function

Home Automation Projects

Small Virtual Wall for iRobot Roomba using PIC12F629

Projects, Robotics – Automation Projects

DC Motor Control using Temperature Sensor & 8051 Microcontroller

Motor Projects, Sensor – Transducer – Detector Projects

picLink RS232 low cost development controller with ADC using PIC16F628A

Other Projects, Projects

8x8 LED Array Multiplexed Infinity Mirror using PIC18F1320

LED Projects, Projects

USB PIC Programmer: PICKit2 using pic microcontroller

Interfacing(USB – RS232 – I2c -ISP) Projects

Robot 1: “Little Jimmy” based on PICAXE-18MZ

Projects, Robotics – Automation Projects

embedded microchip

Other Projects

Mindoid 2 – The holoclock using PIC16F88 microcontroller

Clock – Timer Projects, Game – Entertainment Projects, Projects

Ways to Select a Best Microcontroller for Microcontroller based Projects

Memory – Storage Projects

8x8 LED Array Multiplexed Infinity Mirror using PIC18F1320 microcontroller

LED Projects, Projects

Computer controlled infrared transmitter based on PIC

Metering – Instrument Projects

Object Detecting Android Mobile Phone Controlled Bluetooth Robot Using PIC Microcontroller 16F877A

Bluetooth Projects, Robotics – Automation Projects

Sine Triangle Square Saw Burst Sweep Noise – runs on a PIC16F870

Metering – Instrument Projects

Time Display unit for a GPS module using pic microcontroller

Clock – Timer Projects, GPS Based Projects

High res cap meter with PIC 16F628

Metering – Instrument Projects

How to use Timers in PIC18F4550 Microcontroller

Clock – Timer Projects, Projects

A pic programmer circuit based on AN589, using pic microcontroller

Microcontroller Programmer Projects

PIC16C54 dual dice electronic project circuit

Development Board – Kits Projects

Aurora 9×18 RGB LED art using PIC24F08KA101 microcontroller

LED Projects, Projects, PWM Projects

POV Toy

Game – Entertainment Projects

A discussion on the drive-current for the outputs of a PIC12C508A microcontroller

LED Projects

Using Digipo 12864ZW LCD with PIC18F Posted in: LCD Projects


Quoz’s Alarm clock using PIC16F877 Posted in: Clock – Timer Projects, Projects

Simplest Temperature Data Logger using PIC12F683 Posted in: Projects, Temperature Measurement Projects

PIC12F1840 + I2C 24FC1025 EEPROM Posted in: Memory – Storage Projects

PIC 16F917 Gyroscope interface Posted in: Microcontroller Programmer Projects


Internetworking with microchip microcontroller pic18f+enc2860 Posted in: Microcontroller Programmer Projects


Microprocessors Garland Posted in: LED Projects

Motion Activated Led Dice using PIC16F688 Posted in: LED Projects, Projects

Car battery charger with PIC12F683 Posted in: Battery Projects

9 Volt Battery Charger Posted in: Battery Projects

LED dot matrix scrolling message – 14x5 – source code Posted in: LED Projects

Mechanically scanned laser display using PIC17F877 Posted in: LCD Projects, Projects


Max the Spider – powered by LEGO and PIC microcontroller Posted in: Game – Entertainment Projects


How to make a 'Propeller Display' using PIC microcontroller Posted in: Development Board – Kits Projects

Poor man’s counter using PIC16F84 microcontroller Posted in: Other Projects, Projects

PIC Game System Posted in: Game – Entertainment Projects

Pulsing Hubby Detector using PIC12F683 microcontroller Posted in: LED Projects, Projects

Interfacing the AT keyboard Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

Building the PIC16F84 based game system Posted in: Game – Entertainment Projects

Chronograph for Air Cannon using PIC16F628A microcontroller Posted in: Other Projects, Projects

PIC-Tetris Posted in: Game – Entertainment Projects

Low cost temperature data logger using PIC and Processing using PIC12F1822 Posted in: Projects, Temperature Measurement Projects

SX Game System Posted in: Game – Entertainment Projects


Microchip PIC Microcontrollers Posted in: Development Board – Kits Projects

SX-Tetris Posted in: Game – Entertainment Projects

Leaving home light using PIC12F675 Microcontroller Posted in: Home Automation Projects, Projects

SX-Pond Posted in: Game – Entertainment Projects

Displaying text on LCD by interfaced with PIC16F877 microcontroller in 4 bit mode Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LCD Projects

Build yourself flashing message on PIC16F877A with assembler Posted in: Other Projects

PBUS – an RS485-like multi-drop bus with half duplex serial protocol Posted in: Other Projects

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

Embedded Linux Controller using pic microcontroller Posted in: LCD Projects

DIAL ALARM-1 Posted in: Clock – Timer Projects
• Virtual Pong. Posted in: Game – Entertainment Projects
• Virtual Tetris. Posted in: Game – Entertainment Projects
• Virtual Tetris. Posted in: Game – Entertainment Projects
• MikroElektronika’s “Ready for PIC” board talks to “Processing” using PIC16F887. Posted in: Clock – Timer Projects, Development Board – Kits Projects, Other Projects, Projects
• How to choose a MicroController using PIC16C84 microcontroller. Posted in: Development Board – Kits Projects, LCD Projects, Projects
• Mechanically scanned RS232 display (with dynamic speed). Posted in: Metering – Instrument Projects
• Solar Recorder. Posted in: Other Projects
• Humidity and temperature measurements with Sensirion’s SHT1x/SHT7x sensors using PIC18F2550 (Part 1). Posted in: Projects, Sensor – Transducer – Detector Projects, Temperature Measurement Projects
• PIC10F200 based dice. Posted in: LED Projects
• Rev 4.2.2 schematic and PCB. Posted in: Development Board – Kits Projects
• Project Ryu Lagger – Guitar Effect. Posted in: Sound – Audio Projects
• Getting started with PIC Microcontroller Programming. Posted in: Microcontroller Programmer Projects
• How to interface Servo Motor with PIC18F4550. Posted in: How To – DIY – Projects, Motor Projects, Projects, Tutorials
• TAXI PHONE. Posted in: Phone Projects
• Servo Motor Control using Microcontroller PIC16F877A. Posted in: Motor Projects
• Electronic Dice using PIC16F84 microcontroller. Posted in: Development Board – Kits Projects, LED Projects, Projects
• How to interface LEDs with PIC18F4550 Microcontroller. Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LCD Projects, Projects
• 0-5V LCD volt meter using PIC16F877A. Posted in: LCD Projects, Metering – Instrument Projects, Projects
• SMS Based Device Control using GSM Module. Posted in: Home Automation Projects
• Rubidium Atomic Clock. Posted in: Clock – Timer Projects
• 8 Channel PWM LED Chaser for 16F628A and 16F88. Posted in: LED Projects
• Build your own “2-Wire LCD Interface” using the PIC16C84 microcontroller. Posted in: LCD Projects
• “Fluffy” – A Sceneix (and PIC) Programmer. Posted in: Microcontroller Programmer Projects
• GSM modem Interface with PIC 18F4550 Microcontroller. Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• PIC PROGRAMMER MkV using PIC12F629. Posted in: Blog, Microcontroller Programmer Projects, Projects
• Capacitance Meter MkII using PIC12F629. Posted in: Metering – Instrument Projects, Projects
• Almost No Parts’ 12/24hrs LED Clock using pic microcontroller. Posted in: Clock – Timer Projects
• PCB layouts using CAD. Posted in: Other Projects
• 18 pin PIC Development Board using PIC16F62. Posted in: Other Projects, Projects
• One Chip Video Poker using PIC16F628 microcontroller. Posted in: Game – Entertainment Projects, Projects
• Fun with PCBs. Posted in: Game – Entertainment Projects
• PIC programmers for parallel port. Posted in: Microcontroller Programmer Projects
• Breadboard module for PIC16F628A. Posted in: Development Board – Kits Projects, Projects
• SD/SDHC CARD SOUND RECORDER. Posted in: Sound – Audio Projects
• PIC 16C84 VT-52 Emulator for Linux. Posted in: LCD Projects
**PIC-Kit II** Posted in: Other Projects

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


**GPS to SD-Card Data Logger using PIC16F819 microcontroller** Posted in: GPS Based Projects, Memory – Storage Projects, Projects

**Serial communication with Matlab pic-microcontroller** Posted in: LED Projects

**Telephone operated remote control using PIC16F84A microcontroller** Posted in: Home Automation Projects

**Whistle Key Finder using PIC12F629** Posted in: Projects, Sensor – Transducer – Detector Projects

**DIY, Microcontroller-Based Battery Monitor for RC Aircraft** Posted in: Battery Projects

**Serial to PIC Interface using PIC Microcontroller** Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, Projects

**A PIC-Based Temperature Alarm using PIC16C84** Posted in: Projects, Security – Safety Projects

**Nokia 1100 LCD Interfacing with Microcontroller** Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LCD Projects


**Digital Meter Adapter – DMAD** Posted in: Metering – Instrument Projects

**Voltmeter Ammeter Kit** Posted in: Metering – Instrument Projects

**Long Period Astable Timer using PIC12F629** Posted in: Clock – Timer Projects, Projects

**PIC micro Timer Code** Posted in: Microcontroller Programmer Projects

**Voltmeter Ammeter Kit – Blue Backlight LCD** Posted in: LCD Projects

**Single button code entry for a digital lock using PIC16F628A** Posted in: Projects, Security – Safety Projects

**Build your Own PCB Exposure Box with Fluorescent Lamps and Countdown System** Posted in: How To – DIY – Projects

**MOTM Compatible Dual Channel Quantizer** Posted in: Metering – Instrument Projects

**DS1820 Arbinter V2.00 Schematic / Parts List** Posted in: Other Projects

**Low cost LCD module interface with optional LED backlight using PIC18F452** Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, LCD Projects, LED Projects, Projects


**Solar tracking system using pic microcontroller** Posted in: Security – Safety Projects

**PIC18F452 to PC USB 2.0 interface with FT245BM** Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects, Projects

**Serial LCDs you can make your own using PIC12F683** Posted in: LCD Projects, Projects

**MCU controlled Bluetooth automation with infrared sensor** Posted in: Sensor – Transducer – Detector Projects

**How to generate video signals in real-time using a PIC16F84** Posted in: Video – Camera – Imaging Projects

**Voltage monitor for car’s battery and its charging system PIC16F1827** Posted in: Battery Projects, Car Projects, Metering – Instrument Projects, Projects

**89Sxx Development Board** Posted in: Development Board – Kits Projects

**Solar power auto irrigation system using microcontroller** Posted in: LCD Projects

**PieChess** Posted in: Game – Entertainment Projects, Microcontroller Programmer Projects

**Details of PIC ICSP and how to use it for pic microcontrollers** Posted in: How To – DIY – Projects

**PIC based WWVB clock** Posted in: Clock – Timer Projects

**Interfacing RTC with Microcontroller** Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

**Solar Recorder using PIC18F458 microcontroller** Posted in: Memory – Storage Projects, Metering – Instrument Projects, Projects

**USB Low Pin Kit** Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects

**Interfacing LCD Modules with PIC Microcontrollers** Posted in: LCD Projects

**PIC-based Digital Voltmeter (DVM)** Posted in: Metering – Instrument Projects
• APPLICATION OF MICROCONTROLLER IN AUTO DETECT DOOR OPEN AND PAPER JAM ERROR using pic microcontroller
  Posted in: Home Automation Projects
• OSCCAL Value Finder Posted in: Projects
• 8051 Microcontroller Overview & Hardware – Tutorial #1 Posted in: LED Projects
• Smart Button using PIC10F microcontroller Posted in: Home Automation Projects
• LED UV exposure box Posted in: LED Projects
• Ultra low cost solar-rechargeable persistence of vision display using PIC10F206 Posted in: Battery Projects, Projects
• Using the MAX6955 LED Display Driver with a PIC Microcontroller to Scroll Messages Posted in: LED Projects
• Microcontroller Clapper Switch Posted in: Microcontroller Programmer Projects
• Use a PIC Microcontroller to Control a Hobby Servo Posted in: Microcontroller Programmer Projects
• Build your Own PCB Exposure Box with Fluorescent Lamps and Countdown System Posted in: Development Board – Kits Projects
• USB - DC Motor Controller using PIC18F4550 (keyboard) Posted in: Motor Projects
• Digital & Binary clock with thermometer & hygrometer Posted in: Clock – Timer Projects
• Re-Doing my Design for a circuit to control an invention using a Microchip PIC microcontroller chips. Posted in: Development Board – Kits Projects
• PIC'ing the MAX3100: Adding USB to a PIC Microcontroller Using the MAX3100 UART using pic microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Open Source 3.2” TFT Smart Display Posted in: LCD Projects
• PIC RGB Power Board using PIC12F629 microcontroller Posted in: Battery Projects, Projects
• FailureBot 5 – A Line Following Robot Posted in: Robotics – Automation Projects
• Heavy duty portable charger for usb devices (phones, iPad, etc.) using PIC12F683 Posted in: Battery Projects, Projects
• PIC 18F – 28 PIN PIC Development Board Posted in: Development Board – Kits Projects
• Homemade temperature LED display for PC using PIC16F876 Posted in: How To – DIY – Projects, LED Projects, Projects, Temperature Measurement Projects
• An LDmicro Tutorial Posted in: LED Projects
• PIC 18F4550 Timer And Interrupt Example Video Project Posted in: Clock – Timer Projects, Projects
• 18 PIN PIC Development Board Posted in: Development Board – Kits Projects
• PIC Stroboscope using PIC12F675 microcontroller Posted in: Other Projects, Projects
• Boost converter using IR2110 and pic microcontroller Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• LCD Serial Terminal using PIC16F84 Posted in: LCD Projects, Projects
• USB PIC Programmer Posted in: Interfacing(USB – RS232 – I2c -ISP) Projects
• Serial LCD Library using PIC16C84 Posted in: LCD Projects, Projects
• Basic circuit for PIC18F24J50 or PIC18F26J50 to work over USB Posted in: Internet – Ethernet – LAN Projects
• Mini GSM localizer without GPS using pic microcontroller Posted in: GPS Based Projects
• 100MHz frequency counter with PIC16F628A – LED Display Posted in: LED Projects
• 12 DIGIT RUNNING SIGN using PIC16F628 Posted in: Game – Entertainment Projects, LED Projects, Projects
• Animatronic Robot Head Posted in: Robotics – Automation Projects
• DTMF Phone Dialer using PIC16F698 Posted in: Phone Projects, Projects
• 100MHz frequency counter with PIC16F628A – LCD Display Posted in: LCD Projects
• Extend PIC Microcontroller's RAM by without using EMI Posted in: Memory – Storage Projects
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• MultiKey – One Wire Keypad Posted in: Projects
• Using Transistor as a Switch Posted in: Other Projects
• Miniature Real-Time Controller using PIC16F84 Posted in: Clock – Timer Projects, Projects
• Small 3-wheel ROBOT with PIC16F84 brain & Infrared eyes Posted in: LED Projects
- Bluetooth-Controlled Guitar FX Amplifier
- Isolated RS232C for PIC16F84
- MIDI Chord Button Using PIC18F4620 part 1
- Embedded System for Automatic Washing Machine using Microchip PIC18F Series Microcontroller
- Embedded System for Automatic Washing Machine using Microchip PIC18F Series Microcontroller
- MIDI Chord Button Keyboard Using PIC18F4620 part 2
- Quick & Easy RGB-LED Tester using PIC16F627 microcontroller
- Using Microcontrollers (Microchip PIC)
- pic12675 Microcontroller 8-PIN PONG
- A Minimal USB CDC ACM aka Virtual Serial Port
- Ultra-easy use of 64-pin TQFP PIC18F6620 using TQFP-to-DIP PCB from VOTI
- PIC18F452 LED Blinking Code and Proteus Simulation
- PIC16F690 Microcontroller Circuit: How to Drive an LED Display
- CITROEN Saxo Vehicle Touch Sensitive switches using PIC16F84A
- Digital watt meter using pic microcontroller
- i2c ICSP Programmer for PIC32 microcontroller family
- Interfacing Ultrasonic Distance Sensor: ASCII Output with PIC Microcontroller
- Simple Digital Current Meter (DCM) using PIC microcontroller (Schematic + code + Proteus simulation)
- 3-Wire Serial LCD using a Shift Register
- Execute Open-Source Code in a PIC Microcontroller Using the MPLAB IDE
- 10-minute sewable iPod remote using PIC10F222 microcontroller
- Versatile SOIC PIC Programming Header using PIC18F88
- PIC12F675 LCD Interfacing Code and Proteus Simulation
- Control AC load with microcontroller
- WEBSD using PIC24F microcontroller
- How to Wire a PIC Microcontroller?
- $15.00 BASIC Computer using PIC32MX1 microcontroller
- DS1820 Temperature regulator using PIC16F628
- Wireless 10 channel receiver using PIC16F630
- LED Interfacing with PIC Microcontroller: Embedded C program with circuit using pic microcontroller
- How to use a 74HC595 Shift Register with a AVR ATtiny13
- Another DIY function generator using PIC16F628
- Worlds Most Useless Machine Rebuild
- pic18F2550 Microcontroller Project Board
- Electrical Subsystem
- Wireless PICAXE-based water tank level sensor
- Driving LCD directly from PIC

**Posted in:**
- Sound – Audio Projects
- Interfacing(USB – RS232 – I2c -ISP) Projects
- Projects
- Development Board – Kits Projects
- Home Automation Projects
- Projects
- Metering – Instrument Projects
- Car Projects, Projects, Sensor – Transducer – Detector Projects
- Development Board – Kits Projects
- Game – Entertainment Projects
- Interfacing(USB – RS232 – I2c -ISP) Projects
- Projects
- Metering – Instrument Projects
- LED Projects, Projects
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- Other Projects, Projects
- Internet – Ethernet – LAN Projects, Projects
- Microcontroller Programmer Projects
- Interfacing(USB – RS232 – I2c -ISP) Projects, Other Projects, Projects, RTOS – OS Projects
- Internet – Ethernet – LAN Projects, Projects
- Interfacing(USB – RS232 – I2c -ISP) Projects, LED Projects, Projects
- Interfacing(USB – RS232 – I2c -ISP) Projects, Projects
- How To – DIY – Projects
- Battery Projects
- LCD Projects
- Other Projects
- Sensor – Transducer – Detector Projects, Wireless Projects
- LCD Projects
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- pic project
- pic microcontroller based mini projects with circuit diagram
- pic projects with source code