PIC Microcontroller Projects List

2,749 projects with circuit diagrams, code and simulations, grouped by topic.

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How to use this list. Every title is a link to the full project on the website. Projects are grouped by topic and sorted alphabetically within each topic.

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LED 314 projects

0-9999 seconds count down timer using PIC12F683 microcontroller
10 tricks for interfacing to the PIC16C508
100MHz frequency counter with PIC16F628A – LED Display
12 DIGIT RUNNING SIGN using PIC16F628
15x7 Display using a PIC16F628 Microcontroller
2-Channel IR Relay Controller for PIC10F200
20 LED BADGE using PIC12F629 Microcontroller
24 Channel USB Connected LED Controller, upto 1A per Channel using PIC18F4550
3 LED Bike Light for PIC10F200
3-Channel IR Relay Controller with user programmable IR commands for PIC12F629
30 volts Panel Volt Meter Using PIC MCU
3D Printed Microcontroller Dice Roller
3x3x3 LED Cube using PIC16F690 microcontroller
3X3X3 LED CUBE WITH PIC16F628 MICROCONTROLLER CIRCUIT
4-Digit 7-Segment display with 74HC595 shift register
40 CHANNEL ANIMATION LED CIRCUIT PIC18F452
48 Channel Mono / 16 Channel RGB LED Controller using PIC18F2550 microcontroller
5 LED CUBE Controller for PIC16F688
6 Digits LED 7-Segment Multiplexing using PIC16F627A
7 Segment LED display with PIC controller and Flowcode V5
7-Segment ASCII character Set A 127-character ASCII table for 7-segment LED or LCD displays using PIC16C84
8 Channel PWM LED Chaser for 16F628A and 16F88
8 Channel PWM LED Chaser for PIC16F628A
8 Channel PWM LED Chaser for PIC16F628A and PIC16F88
8 Channel PWM Power MOSFET LED Chaser for PIC16F628A
8051 MICROCONTROLLER
8051 Microcontroller Overview & Hardware – Tutorial #1
8x8 LED Array Multiplexed Infinity Mirror using PIC18F1320
8x8 LED matrix using PIC16F690 microcontroller
8X8 MATRIX LED SCROLLING TEXT CIRCUIT RS232 SENDING TEXT
A 12hr/24hr LED Clock with display control using PIC16F628A microcontroller
A complete guide for LED Blinking
A PIC16F819 DYMOCLOCK
A remote controlled power RGB LED mood light using PIC16F627A
An Application-Driven Microcontroller Curriculum
An LDmicro Tutorial
An LED Dice using a PIC 16F84 (or 16F88)
An LED Persistance Of Vision Name Badge using PIC16F88
Arduino controlled light dimmer
Arduino powered temperature sensing RGB LED nightlight using PICaxe
AT89C51 KEYPAD CONTROLLED SCROLLING LED DOT MATRIX TEXT
Aurora 48 - 48 RGB LED Sequencer
Aurora 48 - 48 RGB LED Sequencer using PIC24FV16KA304
Aurora 9 bar - The Essence of Aurora using PIC24F08KA microcontroller
Aurora 9x18 Kit
Aurora 9x18 RGB LED art
Aurora 9x18 RGB LED art using PIC24F08KA101 microcontroller
Automatic traffic light using PIC16F877A Microcontroller

Basics of LED dot matrix display. Part 1. Theory using pic microcontoller
BEAUTIFUL DECOR PIC12F629P RGB LED LAMP GLASS GLOBE
Bicycle Persistence of Vision Light Display using PIC16F84
Binary/bcd to 7-segment decoder for PIC16F627A
Blink a LED with Assembly Language & a PIC
Blink LED with XC8 compiler using external Oscillator
Blinking LED using PIC Microcontroller with Hi-Tech C
BlinkLED
Breathe-Easy EEG
Build this microcontroller controlled rainbow flying disc - and then throw it!
CCS BUTTONS WITH LED CONTROL PIC16F877
CCS C MATRIX LED DISPLAY SNAKE GAME CIRCUIT PIC16F877 MICROCONTROLLER
CCS TOGGLE LED EXAMPLE PIC16F877
Charlieplexing Xmas Tree
Cheap and Easy Dial Controlled High Power RGB LED(s) Driver
Cheap PIC Programmer
CHR's 8X8X8 LED Cube Revisited With Improvements!
Chromation Systems RGB LED Tube Light
Circuit-Zone.com - Electronic Projects
Classic LED 7-Segment Displays using PIC16F887
Complete Intro To PIC's - Make an LED Flash Video
Computer Controlled Star
Computer Controlled Traffic Light
COMPUTER-CONTROLLED LED SCROLLING MESSAGE DISPLAY TEMPERATURE HUMIDITY ETC.
COMPUTER-CONTROLLED PROGRAMMABLE RGB LED DRIVER PIC16F628 PWM
Connecting multiple tact switches on a single input pin of a microcontroller
Cooper Bills (csb88) and Anish Borkar (ab673)
DEVCC Hello World
Digital Temperature Sensor Circuit
Disco Lights Project using pic microcontoller
Discolight effect with bass beat control using PIC16F84A
Door lock opener
DotStar Light Painter
Dual 4-digit seven segment LED display with SPI interface using PIC12F
Easy Way to Design an Automatic Driverless Train
ELECTRONIC DICE CIRCUIT WITH PIC12F629
Electronic Die using PIC16F84 microcontroller
Electronic Heart (Flashing LEDs) - Mother's Day Project
Electronic Quiz Buzzer Circuit Diagram using PIC Microcontroller
Emergency Vehicle LED Light
Expanding the number of I/O lines using Microchip MCP23008 using pic microcontoller
F1 Gantry Race Start Lights using PIC16F684
F84 Miniature Real-Time Controller
FOR CAR LED NEON CIRCUITS
Four way traffic light signal using PIC16F84A microcontroller:
Generic Automotive Light Effect PIC/Arduino Modules
Getting Started with MPLAB XC8 Compiler – LED Blinking
Getting Started With Nuvoton N76E003 using Keil – Blinking an LED
GPIO Functions on STM8S using Cosmic C and SPL – Blinking and Controlling LED with Push Button
HEXADECIMAL, BINARY COUNTER CIRCUITS LED DISPLAY PIC16F84

Homemade temperature LED display for PC using PIC16F876
How to Create a Beer Bottle LED VU Meter
How to Create an Eye Catching Display (LED Style)
How to drive a Dot Matrix LED Display. using pic microcontroller
How to drive a lot of LEDs using PIC12F microcontroller
How to drive an led display matrix using PIC16F88
How to drive an rgb led using three microcontroller pins. using pic microcontoller
How to Glow an LED using PWM with PIC Microcontroller
How to Glow an LED using PWM with PIC Microcontroller- (Part 20/25)
How to interface LEDs with PIC Microcontroller (PIC18F4550)
How to interface LEDs with PIC18F4550 Microcontroller
How to take input with PIC18F4550 Microcontroller
How to use input output ports 8051 microcontroller|LED blinking
Infra red remote control tester for Philips RC5 protocol
Infrared (IR) Object Detection Module Circuit Using IR LED and Photodiode
Intelligent Tail Light
Interactive LED Beer Pong Table 2.0 (BPT X5)
Interfacing 7 segment display with pic16f877 microcontroller
Interfacing 7-segment display with PIC12F1822 using CCS PIC C compiler
Interfacing Dot Matrix led Display with PIC Microcontroller
Knight Rider Light computer - version 2
Lab 2: Basic digital input and output
LabVIEW motion controller using pic microcontroller
LARGE 7-SEGMENT DISPLAY CIRCUIT ULN2803 PIC16F876A
Lazer Duel
LED Amusement Park
LED ANIMATION CIRCUIT PIC16F628
LED Binary Clock using PIC16F628A microcontroller
Led Blinking by Basic Language Using PIC16f877A
LED Blinking Sequence using PIC Microcontroller
LED blinking using timer0 of pic16f877 microcontroller
LED Blinking with PIC Microcontroller
LED Character Moving English Font Display Project (8×16)
LED Chaser for PIC16F84A and PIC16F628A
LED Christmas Cards using PIC 10F200
LED CUBE CIRCUIT 5X5X5 PIC16F688
Led Display Boards InBulk using pic microcontoller
LED dot matrix scrolling message – 14×5 – source code
LED fireflies prototype using PIC12f683 microcontroller
LED flasher using PIC16C84 Microcontroller
LED FX using PIC12F629 Microcontroller
LED HEART ANIMATION CIRCUIT PIC12F675 MICROCONTROLLER
LED Heart PWM Fading using PIC18F252
LED Infinity Mirror Controller, 32 LEDs, Multiple Patterns using PIC12F675
LED Interfacing with PIC Microcontroller: Embedded C program with circuit using pic microcontoller
LED Matrix Backpack
Led matrix project using shift register and pic16f628a micro
LED message system on a Strida folding bicycle wheel using PIC12F675
LED Microcontroller Debug Module using PIC18F4420
LED Persistence of Vision Display

LED PIXELS PIC24FJ64GA004 DYNAMIC TILE DISPLAY
LED scrolling Christmas tree ornament with built in video game!
LED Scrolling Display Project Working With Circuit Diagram
LED Sensors
LED Sign has a purpose! using pic microcontroller
LED Strobe for PIC12F629
LED Strobe for PIC12F629 / 675
LED UV exposure box
LEDactus using PIC18F1320 Microcontroller
LEDS EFFECTS CIRCUITS PIC16F628 PIC16F877
LEDs sync to music (with pics of my awesome computer case mod)
Leon's Mini Random Number Generator (mRNG) using pic microcontroller
Lissajous Figures on 8X8 Led Matrix
Low cost LCD module interface with optional LED backlight using PIC18F452
Low cost OLED module interface using PIC18F452
Low Cost Solar Lighting Controller
Lucid Dream/Dream Recall Machine using infrared.
make your own wearable LED display using pic-microcontroller
Making a 8×40 LED matrix marquee using shift registers
Making a mini LED Christmas tree
martin lightjockey 2 free
Medallion: Circle LED Animation PIC16F628A
MICROC LED BLINK EXAMPLE PIC12F675 POLICE LAMP STROBE FLASHING CIRCUIT
MICROCHIP LED LIGHTING APPLICATIONS DESIGN GUIDE
Microchip PIC16F877 Microcontrolle
MICROCONTROLLER CONTROLLED VU METER CIRCUIT
Microcontroller with single LED Project in Proteus
Microdot - wrist watch LED pattern timepiece using PIC16F8 microcontroller
Microprocessors Garland
MikroElektronika’s “Ready for PIC” board talks to “Processing” using pic microcontoller
Mini-Beacon miniature programmable LED Flasher that is based around a PIC12F629 microcontroller
Mirror "Tube" - LED Optical illusion
Misc Projects : High Power RGB LED Controller
Mood vase using PIC12F683 microcontroller
Motion Activated Led Dice using PIC16F688
MRNet -- Wired Cab Module (Revision A) using pic microcontroller
MULTI FUNCTION RC5 REMOTE RGB LED CONTROL CIRCUIT PIC16F737
Multifunction RGB LED controller using PIC12F675
Mädchen Machen Technik using pic-microcontroller
Navigation Lights for Models for PIC12F629
Night Light Saver V3.2 (PIC12C508)
One-chip 11x10 LED matrix. using pic microcontroller
parking management system project using pic microcontroller
Password Based Door Lock System using 8051 Microcontroller
PIC 12F675 Microcontroller Tutorial.
PIC 16F88 Microcontroller PIC based Tengu
PIC 3x3x3 LED cube
PIC Based Message wand
PIC Light Chaser
PIC Microcontroller Basics and Applications for Engineeing Students

PIC microcontroller led flasher circuit using PIC16F627A
PIC Projects using pic microcontroller
PIC10F200 based dice
PIC12F675 LED blinking code and Proteus simulation
PIC12F675 RGB LED DRIVE CIRCUIT
pic12f683 Microcontroller based Programmable LED
PIC16F628 4 RGB LED PWM Controller
PIC16F628 4 RGB LED PWM Controller using pic microcontroller
PIC16F628 PICBASIC PRO 36 LCD LED MATRIX
PIC16F628 RGB LED CONTROL CIRCUIT
PIC16F648 LED ANIMATED CLOCK CIRCUIT PICBASIC
PIC16F690 Microcontroller Circuit- How to Drive an LED Display
PIC16F84 LED DISPLAY FREQUENCY COUNTER CIRCUIT
PIC16F84 LED SHOW CIRCUIT PROTON IDE EXAMPLE
PIC16F84 RGB LED STRIP ANIMATION CIRCUIT
PIC16F84 SIMPLE LED BLINK PIC-C
PIC16F84A FOUR PROGRAMMED LED ANIMATION CIRCUIT
PIC16F84A LED blinking code + Proteus simulation
PIC16F84A LED blinking code and Proteus simulation
PIC16F84A MemoSound Game
PIC16F84A SIMPLE LED CIRUIT
PIC16F877 16X16 LED MATRIX 74HC595 GRAPHIC DISPLAY PROJECT
PIC16F877 AIR RGB WRITING
PIC16F877 LED blinking code and Proteus simulation
PIC16F877A LED blink
PIC16F877A timer0 code + Proteus simulation
PIC18F2550 : Blink LED using XC8 Compiler
PIC18F452 LED Blinking Code and Proteus Simulation
PIC18F4550 Tutorial: Blink LED - 2
PIC18F4550 Tutorial: Blinking an LED
Picaxe Blending Nightlight using pic12f683
Picaxe LED night light
PICDEM FS USB CDC Evaluation Board using PIC18F4550 with Proteus Simulation
PICMICRO LED TACHOMETER CIRCUIT
Pico Timer Project using Pico with Proteus Simulation
PicoDetector : a PIC-based simple and cheap metal detector
PicPOV - Persistence of Vision with a PIC18F1220
Pimp My Rocket (Espresso Machine)
POV Christmas Tree using PIC12F689 microcontroller
Power MOSFET RGB LED PWM Driver for PIC12F683
Programmable watch with four character display using PIC16F628A microcontroller
Programming the PmodOLEDrgb on the ChipKIT Pro MX7
Propeller Clock Mechanically Scanned LED Clock using PIC16C84
Pulsing Hubby Detector using PIC12f683 microcontroller
Push Button as Input and Led as Output with Pic Microcontroller
PWM Signal on Nuvoton N76E003 Microcontroller - LED Dimming using Duty Cycle Control
Q-matic Circuit Application of PIC16F877 Microcontroller
Quick & Easy RGB-LED Tester using PIC16F627 microcontroller
Rainbow LED Chaser
Red Light for Astronomy Observing using PIC12F683

Remote Control mood light[/jar]
Remote controlled LED lighting effects
Remote-Control Light Dimmer using pic microcontroller
RFID Reader – Access Control System
RGB LED AIR WRITING VISUAL BASIC CCS C PIC16F877
RGB LED Color Cycling Circuit
RGB LED Controller using PIC18F452
RGB LED DRIVER CIRCUIT PIC12F629 PWM
RGB LED Love Heart
RGB LED Mood Light Standalone PWM controller for RGB LEDs using PIC12F629
RGB LED PWM Driver for High Power 350mA LEDs using PIC12F629
RGB LED PWM Driver for High Power 350mA LEDs V3 using PIC12F629
RGB LED PWM Driver Standalone PWM controller for RGB LEDs using PIC12F629
RGB LED SHOW PIC12F675
RGB LED Strip Controller high-side LED drive for PIC12F629
RGB REMOTE (pinguino+web+linksys) using PIC18F2550 microcontroller
Right-left scrolling LEDs
Rotary Encoders
Running LED dice
Schematic design with the PIC16F84A microcontroller
SCROLLING LED TEXT CIRCUITS PIC16F84 PIC16F628 PIC18F452
Serial Addressable RGB PWM LED Driver using PIC16F628A
Serial communication with Matlab
Serial communication with Matlab pic-microcontroller
Serial Controlled RGB LED PWM Driver PIC12F629 based PWM controller for RGB LEDs
Simple GPIO Functions on Nuvoton N76E003 - LED Blinking and Controlling LED using a Push Button
SIMPLE LED LIGHT FLIP FLOP CIRCUIT HI TECH C EXAMPLE
Simple Project on LED blinking by PIC 16 Microcontroller using pic Microcontroller
Skateboard with PIC microcontroller and LEDs
SKY WRITER using PIC12F629 Microcontroller
Small 3-wheel ROBOT with PIC16F84 brain & InfraRed eyes.
SmartCube DOLORS
Solar Tracking System
Spooky Led Lamp using PIC12F675 microcontroller
Strobe Lights Project
Tea Light Charger Monitor
Teddy nightlight multicolor using PIC16F84A microcontroller
Test For Presence of Internal Oscillator Calibration Word for PIC12F629
Text in the air with PIC16F84
The ChromoDisk
The perfect Remote, Programmable, Controller for interactive LED strips
The simple Joule Thief
THE SKY WRITER
Throbbing Apple Logo Sticker using PIC10F206 microcontroller
Timers on Nuvoton N76E003 Microcontroller - Blink LED using Timer ISR and Timer Delay
Traffic Light Controller using pic microcontoller
Traffic Light Intersection Simulator
Trippy RGB Color Mixing NightLight
TWO-CHANNEL DIMMER CIRCUIT WITH PIC16F84A LED LEVEL INDICATOR
UFO round LED Chaser Kit for PIC16F628A

UFO round LED Chaser with speed control for PIC16F628A
Ultimate Soldering LED Light With A4 Sheet Magnifier
Universal High-Power LED Driver - Firmware update using PIC16F1823
Universal High-Power LED Driver with 3D-printable Case using PIC16F1823
USB RGB LED STRIP CONTROL PIC18F2550 MOSFET DRIVER CIRCUIT
Using ADC Module of PIC Microcontroller with MPLAB and XC8
Using Fixed Voltage Reference (FVR) for A/D conversion in enhanced mid-range PIC microcontrollers
Using Multiplexed 7 Segment Displays – PIC Microcontroller Tutorial
Using Push Button Switch – MPLAB XC8
Using the MAX6955 LED Display Driver with a PIC Microcontroller to Scroll Messages
Wake-U-Up System
WALKING LED LIGHT CCS EXAMPLE PIC16F877
Wave JT - Larson Scanner with Joule Thief
What is Led matrix? Types of Dot matrix display with working
Wooden LED clock using PIC16LF876A microcontroller
Writing Your First Program with PIC Microcontroller and Setting up Configuration Bits

Interfacing (USB, RS232, I2C, ISP) 240 projects

$15.00 BASIC Computer using PIC32MX1 microcontroller
1-Chip 4-Channel PIC16F886 Data Logger
2-Wire Keypad Interface Using a 555 Timer using pic microcontoller
2-Wire Keypad Interface Using a 555 Timer using PIC16F628A
2-wire LCD interface using PIC16CF84
3310 Nokia LCD & PIC12F683
4 CHANNEL USB FAN CONTROL CIRCUIT PIC18F2550 LM335Z
4x4 Matrix Keypad Interfacing with PIC Microcontroller
50 MHz frequency counter, voltage meter & SWR/PWR indicator using PIC16C71
A brief overview of Allegro ACS712 current sensor. Part 2 - Interface the sensor with a PIC microcontroller
A discussion on the drive-current for the outputs of a PIC12C508A microcontroller
A Minimal USB CDC ACM aka Virtual Serial Port
A Programmable Optical Slave Flash Trigger for Digital Cameras with Processor PIC 12F675
An Inexpensive Microcontroller Based Data Logging System
Analog Experiments Anywhere
Arduino to PIC Communication using PIC18LF4520
AT Keyboard Interface V1.04 using PIC16F84
Bit-Banging Serial Interfaces for the Low-End and Mid-Range PICMicros using PIC16F84
Boost converter using IR2110 and pic microcontroller
BOOTLOAD THE PIC18F4550 – FIRMWARE UPDATING
Bootloader for 16F87x PIC Microcontrollers
BOOTLOADER WITH PIC18F2550
Building a PIC18F USB device
C# Software and Firmware, USB INTERFACE BOARD
CCS C EXAMPLES PIC18F2550 USB LEDS
Closed-Caption Decoder using PIC16C84
Computer-Controlled Light-Up Water Fountain using pic-microcontroller
Connect CAN-SPI with PIC Controller
Connect Flash Card with PIC18F4520
Connect I²C with PIC
Connect Matrix Keypad with PIC Controller Code

Connect USB HID with PIC18F4450 Code
Data logging with an EEPROM
DC Motor Interfacing With PIC Microcontroller Using L293 Motor Driver IC
Displaying text on LCD by interfaced with PIC16F877 microcontroller in 4 bit mode
DS1820 Temperature regulator using PIC16F628
Efficient Multichannel Data Acquisition with USB Connectivity using PIC Microcontroller
Electronic door codelock with PIC
Enhanced 5/2-day Central Heating Programmer with serial computer interface using PIC16F628A
EnvStick USB Temperature Sensor using PIC12F683
Execute Open-Source Code in a PIC Microcontroller Using the MPLAB IDE
Extend I/O Ports using PIC Microcontroller
Getting started with PIC18F Microcontrollers
GSM Modem Interface with PIC 18F4550 Microcontroller
HandySwipe portable magnetic card reader using PIC16F688
HD44780 16x2 Char LCD Interfacing with microcontroller
How Seven Segment Display Multiplexing with PIC Microcontroller for Electronic Sign
How to Build your Own USB PIC Programmer?
How to burn or program PIC Microcontroller?
How to Interface GSM Module SIM300 with PIC 16F628A Microcontroller for sending SMS and making Calls using pic microcontoller
How to Interface I2C External EEPROM 24LC64 to PIC Microcontroller
How to interface keypad with PIC12F675
How to interface keypad with PIC16F84A
How to interface keypad with PIC16F877
How to Interface LCD with PIC16F877A Slicker
How to interface MAXIM's DS1868 digital potentiometer with a PIC microcontroller
How to Make a Universal Usb Pic Programmer PICkit 2
How to Program a PIC Microcontroller to Build a Project
How to Simulate PIC Microcontroller in Proteus Design Suite 8
How to use a 74HC595 Shift Register with a AVR ATtiny13
How to use inbuilt EEPROM of PIC18F4550 Microcontroller
How to use PIC12F675 GPIO pin as input (Code + Proteus simulation)
How to use PIC18F4550 as a SPI Slave Transmitter
How-to: Bus Pirate v1, improved universal serial interface using PIC24FJ64GA002
How-to: USB remote control receiver using pic microcontoller
I2C keypad using PIC18F4550 microcontroller
Ide To Usb Converter Circuit Diagram
Implementation USB into microcontroller: IgorPlug-USB (AVR) using pic microcontroller
Implementing serial communication in embedded systems
Interface single and Dual IR Infrared sensor with PIC18F4550 and LCD
Interfacing 7-Segment Display With PIC Microcontroller - MikroC
Interfacing 74HC595 Serial Shift Register with PIC Microcontroller
Interfacing Camera with PIC Microcontroller via Matlab GUI
Interfacing DHT11 humidity and temperature sensor with PIC16F877A using pic microcontoller
Interfacing DS1307 Real time clock with PIC16f877
Interfacing DS1307 RTC Chip with AVR Microcontroller
Interfacing DS1307 to PIC Microcontroller with C code and Circuit Diagram
Interfacing EM-18 RFID Module with PIC Microcontroller
Interfacing external EEPROM with PIC Microcontroller
Interfacing Fingerprint Sensor with PIC Microcontroller

Interfacing GLCD with PIC16F877A
Interfacing GPS Module with PIC Microcontroller
Interfacing GPS Receiver with 8051 Microcontroller -AT89C52
Interfacing GSM module with PIC Microcontroller
Interfacing Internal EEPROM with PIC Microcontroller
Interfacing Joystick with PIC Microcontroller
Interfacing of PIC12F675 with (i2c based) 24LC64 EEPROM (code + Proteus simulation)
Interfacing of PIC12F675 with DS1307 (RTC) code and Proteus simulation
Interfacing of PIC16F84A with (i2c based) 24LC64 EEPROM (Code + Proteus simulation)
Interfacing of PIC16F84A with DS1307 (RTC) code and Proteus simulation
Interfacing of PIC16F877 with (i2c based) 24LC64 EEPROM (Code + Proteus simulation)
Interfacing of PIC16F877 with DS1307 (RTC) code and Proteus simulation
Interfacing PIR Sensor with PIC Microcontroller
Interfacing Proteus with Matlab
Interfacing Relay with PIC Microcontroller
Interfacing RTC Module (DS3231) with PIC Microcontroller: Digital Clock
Interfacing RTC with Microcontroller
Interfacing the AT keyboard.
Interfacing Ultrasonic Distance Sensor : ASCII Output with PIC Microcontroller
Interfacing Ultrasonic Sensor HC-SR04 with PIC Microcontroller
Interfacing with a Secure Digital (SD) card using pic-microcontroller
Interfacing with The Energy Detective using pic microcontoller
Interfacing with UART of PIC microcontroller
Interfacing xbee with PIC microcontroller using MikroC
Interfacing16X2 LCD with PIC Microcontroller
IRK! Infrared Remote Controlled USB Keyboard Without Keys using PIC18F2550
Isolated RS232C for PIC16F84
Joshua Marchi's Lab Notebook using pic microcontoller
Know the Procedure of GSM Modem Interfacing with 8051
Lab 4: Interfacing a character LCD using PIC16F688
LCD interface with Microcontroller PIC: Beginner’s guide using pic microcontoller
LCD-VFD CONTROL CIRCUITS PIC16F873 PIC16F628 USB RS232
Lecture 45 : PIC Serial Communication using Serial Peripheral Interface (SPI)
Lm35 interfacing with pic 16f877 through adc0808
Low cost ICSP PIC-programmer using PIC16F648A
Major Electronic Peripherals Interfacing to Microcontroller 8051
Make your own USB LCD controller using PIC18F2550
MATLAB to PIC serial interface using PIC16F877 microcontroller
Matrix Keypad interfacing with PIC microcontroller.
MCP4921 12 bit DAC interfacing with PIC16F877 microcontroller via SPI Connectivity
Microchip pic16f877 to FTDI USB interface
Microcontroller Adc Project Circuit
MICROCONTROLLER BASED INTERFACE UNIT FOR 5KW MICROWAVE OVEN
Mouse interfacing and communication using PIC16F877
My New MIDI Merger uses 10 MIPS £1.00 PIC Microcontroller using PIC18F4320
Nokia 1100 LCD Interfacing with Microcontroller
OBD-II ELM327 compatible AllPro adapter using PIC18F2455
Open Source Framework for USB Generic HID devices based on the PIC18F and Windows
OPEN SOURCE USB OSCILLOSCOPE PROJECT FT245RL PIC16F690 CPLD
OSOMCOM POCSAG BTS using pic microcontoller

PC Interfacing a GameBoy Camera using PIC18F4620 microcontroller
Pic 16F676 ICSP programing socket for the PICkit 2 programer
PIC 16F917 Gyroscope interface
PIC Based Speed Controller using PIC16C54
PIC C18 CCS C USB APPLICATIONS PIC18F4550 PIC18F2550 CIRCUITS
PIC MCUs: Hardware and Connections using pic-microcontroller
PIC microcontroller ATA library
PIC MICROCONTROLLER BASED USB STORAGE
PIC USB HID (Human Interface Device) Interfacing
PIC'ing the MAX3100: Adding USB to a PIC Microcontroller Using the MAX3100 UART using pic microcontroller
PIC'ing the MAX5581: Interfacing a PIC Microcontroller with the MAX5581 Fast-Settling DAC
Pic-Plot2 GPIB to USB converter
Pic-Plot2 GPIB to USB converter using PIC16F628
PIC12F675 ADC code and Proteus simulation
PIC12F675 Comparator Code and Proteus Simulation
PIC12F675 external interrupt code and Proteus simulation
PIC12F675 i2c (bit banging) code and Proteus simulation
PIC12F675 LCD Interfacing Code and Proteus Simulation
PIC16F84 Fundamentals
PIC16F84A i2c (bit banging) code and Proteus simulation
PIC16F84A interrupt based software UART code and Proteus simulation
PIC16F84A LCD interfacing code (In 4bit mode) and Proteus simulation
PIC16F84A LCD interfacing code (In 8bit mode) + Proteus simulation
PIC16F84A LCD interfacing code (using 3 pins only) + Proteus simulation
PIC16F84A software UART (bit banging) code and Proteus simulation
PIC16F877 Driving LCD in 4-Bit Mode using PIC16F877 with Proteus Simulation
PIC16F877 i2c code and Proteus simulation
PIC16F877 LCD interfacing code (In 4bit mode) and Proteus simulation
PIC18F2455 OBD2 USB TO RS232 CONVERTER CIRCUITS
PIC18F2550 DEVELOPMENT BOARD CIRCUT USB BOOTLOADER PCB
PIC18F2550 USB HID PROJECT CSHARP CCS C
PIC18F2550 USB ISOLATED TRIAC CONTROL CCS C VISUAL BASIC
PIC18F452 to PC USB 2.0 interface with FT245BM
PIC18F452 UART code and Proteus Simulation
PIC18F4550 PIC18F2550 USB PROJECT VISUALBASIC CIRCUIT
PIC18F4550 USB DEVELOPMENT BOARD PROJECT CCS C
PIC18F4550 USB MARQUEE DISPLAY SCROLLING TEXT CIRCUIT LED VISUALBASIC
PIC32MX: Interfacing to a Secure Digital (SD) Flash Card
PICADC - a free, PIC based "intelligent" A/D converter using PIC16F84
PICDEM FS USB Mass Storage Device using PIC18F4550 with Proteus Simulation
Placing code in a specific Rom/Flash/Program Memory Address of Microchip Pic Microcontroller
Reading Nintendo 64 controller with PIC microcontroller
Relay Interfacing with PIC Microcontroller
Remote controlled USB mouse using PIC18F4550
Rotary dialer PIC interface using PIC16F877
Rotary Encoder Interfacing with PIC Mirocontroller
RS232 - Infra-Red Interface
RS232 Communication with PIC Microcontroller
rtc microcontroller
SD Memory Card Interface using pic microcontroller

SD-Card with CCS C Compiler using pic microcontoller
Serial communication with Pic 16f877 using UART
Serial Data Logger using PIC16F688
Serial Data Logger with PIC microcontroller
Serial Port Servo Controller using PIC16F84
Serial to PIC Interface using PIC Microcontroller
Simple mass storage for your microcontroller project
Simple RS232C Level Converter using Transistors using pic microcontroller
Simple USB to RS232 adapter on pic18f2455
SPI Communication with PIC Microcontroller PIC16F877A
Switch Relay using pic-microcontroller
TD-USB-01 interface with mouse sensor board using PIC18F2550
TD-USB-02 interface with touchpad sensor board and WinAmp interface using PIC18F2550
TDA7000 FM Receiver / TV Tuner / Aircraft Receiver using pic microcontoller
The 2$ USB Pic Programmer & Serial Cable
The Trickster - USB Computer Prank using PIC18F14K50
Thermal Printer interfacing with PIC16F877A
TinyWireMCP23008 - MCP23008 library for ATtiny85 microcontroller
Traffic Message Channel receiver using PIC18F8722
Transmit & Receive Infrared Signals With Your PC Serial Port using PIC12F508
TTL to RS232 Signal Conversion
Turntable Photography Equipment using PIC16F84A
Tutorial: Building cool projects with MCUs (Part 3)
Two-Channel PC Based Oscilloscope USB
UART Communication using PIC Code
Understanding ICSP for PIC Microcontrollers
Universal Infrared Receiver using PIC16F84 and PIC12C508
Updated PIC 18F4550 USB Demo Board Video
USB & GLCD expansion board for 8051SBC using pic microcontroller
USB 0-500MHz RF Power Meter with AD8307 using pic microcontoller
USB and PIC Microprocessors 16C745 and 18F2455
USB Audio Streamer A Microchip PIC based USB sound card
USB BATTERY CHARGER CIRCUIT WITH PIC16F629
USB data logger project using pic-microcontroller
USB DEVELOPMENT BOARD PIC16C765
USB digital GPIO I/O extender using pic microcontoller
USB Human Interface Device Communication with PIC Microcontroller - MikroC
USB Indoor/Outdoor Thermometer using PIC18F2550 microcontroller
USB Interface Board Driver Installation PIC18F4550
USB Interface Board Tutorial Using PIC18F4550
USB INTERFACE CIRCUIT PIC18F2550 DELPHI
USB Interface Demo Board Using PIC18F4550
USB IO Board PIC18F2455 / PIC18F2550 using pic microcontoller
USB Keypad Demonstration - Crystal Free USB and mTouch™ Sensing Solutions using pic microcontoller
USB Low Pin Kit
USB PIC Programmer
USB PIC Programmer : PICKit2 using pic microcontoller
USB Project :- USB Interface Board Using PIC18F4550
USB Reprogrammable iButton door lock
USB Stepper Motor Driver using pic microcontoller

USB THERMOMETER CIRCUIT CCS C PIC18F4550
USB to Serial TTL
USB Voltmeter using pic microcontoller
Usbpicprog – A free and open source USB Microchip PIC programmer (Software and Hardware) for Linux, Windows e MAC
Using the PIC32MX250F128B as a USB Host to Interface With Mass Storage Devices
USocket – USB controlled Socket with PIC18F4550
Voltage programmable simple logic device using PIC12F675
Ways you can use the DDS Daughtercard
Wisp628 an in-circuit flash PICmicro Programmer
World's Smallest Low-speed USB Analyzer using pic16f877

LCD 175 projects

0-25V 2.5A DIGITAL POWER SUPPLY CIRCUIT LCD DISPLAY PIC16F873P
0-5V LCD volt meter using PIC16F877A
1. Serial interfacing LCD with Pic Microcontroller
100MHz frequency counter with PIC16F628A – LCD Display
2-Wire LCD Interface using PIC16C84
3-Wire Serial LCD using a Shift Register
4 Bit LCD interfacing and programming with PIC Microcontroller
7 Segment Display Interfacing with PIC Microcontroller
8051 ADC0808 LCD DISPLAY VOLTMETER
8051 PS2 KEYBOARD WITH LCD WRITING TEXT
8051 STOPWATCH CIRCUIT WITH LCD DISPLAY
A Cheap Ultrasonic Range Finder
A new multi-function power supply unit for my Embedded Lab
A PIC Serial LCD Project
A PIC Ultrasonic distance meter project using a Seven Segment display and a PIC micro.
An "Antique Radio" Christmas Present
Andy Robison's Lab Notebook using pic microcontroller
Arduino solar charge controller + output control and data logging online with Xbee WiFi
AT89C51 8051 GRAPHIC LCD ANIMATION
AT89C51 ANIMATED BMP GRAPHIC LCD DISPLAY
AT89C51 LCD DISPLAY FREQUENCYMETER PROJECT
AT89S52 DS1620 THERMOMETER CIRCUIT (LCD DISPLAY)
Augustus's Lab Notebook using pic microcontoller
Build a PIC controlled DDS VFO, 0 to 6 MHz using pic microcontroller
Build your own "2-Wire LCD Interface" using the PIC16C84 microcontroller
Circuit Designing of LCD with PIC
COLOR SENSE CIRCUIT LCD PIC16F877 PICBASIC PRO
Custom Characters on LCD using PIC – MPLAB XC8
d.i.y. Handheld Multichannel Analyzer (MCA) based on 16F877 PIC Microcontroller and LCD
Digital DCF77 clock with LCD and gong using PIC16F628A
Digital multimeter circuit using pic microcontroller
Digital Speedometer and Odometer Circuit using PIC Microcontroller
Digital Thermometer using pic microcontroller and MCP9700
DISCO LIGHT EFFECTS SYSTEM WITH PIC16F876
Display custom characters on 16x2 lcd using Microchip Pic16f877 Microcontroller
Display Custom Characters on 16x2 LCD using PIC Microcontroller and XC8

Display GPS Co-ordinates on LCD using pic microcontroller
Displaying Images on Graphical Lcd(JHD12864E) using Pic16f877 Microcontroller
Displaying Scrolling(Moving) text on 16x2 lcd Using Pic16f877 and Pic18f452 Microcontroller
Displaying Scrolling(Moving) text on 16×2 lcd Using Pic16f877 and Pic18f452 Microcontroller
Driving LCD directly from PIC
DSPIC30F301 LASER LIGHT BACKSCATTER LCD KEYPAD INPUT
Easy Debugging Terminal using pic microcontroller
Easy Debugging Terminal using PIC16F84
Electronic Distance Meter using pic microcontroller
Electronic lock using pic microcontroller
Embedded Linux Controller using pic microcontoller
EPE PIC/LCD Demo using PIC16F877 with Proteus Simulation
Frequency Counter by PIC16F628
Frequency Counter using PIC16F877A Microcontroller
GRAPHIC LCD MODULE LIBRARY FOR SG12864AS CCS C COMPILER
HI TECH C LCD EXAMPLES PIC18F452, PIC16F877
Homemade MPC Style MIDI Controller
How to choose a MicroController using PIC16C84 microcontroller
How to create custom characters on 16x2 LCD using PIC18F4550
How to create custom characters on 16×2 LCD using PIC18F4550
How to display 5×8 and 5×10 size font characters on 16×2 lcd with 8-bit microcontrollers
How to display custom characters on LCD using PIC16F84A
How to display custom characters on LCD using PIC16F877
How to display text on 16x2 LCD using PIC18F4550
How to display text on 16x2 LCD using PIC18F4550 Microcontroller
How to Display Text on 16×2 Character Lcd
How to display text on 16×2 LCD using PIC18F4550 Microcontroller
How to implement free running counter in PIC16F84A using seven segment display
How to interface 16x2 LCD in 4-bit mode with PIC18F4550
How to interface 16×2 LCD in 4-bit mode with PIC Microcontroller (PIC18F4550)
How to interface LCD with PIC18F4550 Microcontroller
How to make own serial LCD display for PIC12F683 Microcontroller
How to Save Data using EEPROM in PIC16F877A Microcontroller
How to Use Interrupts in PIC16F877A Microcontroller
Intelligent access control based on STONE TFT LCD and ESP32
Interface a HD44780 Character LCD with a PIC Microcontroller
Interfacing 16x2 Alphanumeric LCD display with STM8 Microcontroller
Interfacing 16X2 LCD with PIC Microcontroller
Interfacing 16×2 Lcd With 8051 Circuit Pin Diagrams
Interfacing Graphical LCD(GLCD-JHD12864E) with Microchip PIC16f877 Microcontroller
Interfacing JHD404A (40×4) lcd with Microcontroller
Interfacing LCD and Keypad with PIC16F877A Microcontroller
Interfacing LCD Modules with PIC Microcontrollers.
INTERFACING LCD WITH 8051 MIROCONTROLLER with code
Interfacing LCD with PIC Microcontroller – CCS C
Interfacing LCD with PIC Microcontroller – Hi Tech C
Interfacing LCD with PIC Microcontroller – MPLAB XC8
Interfacing PIC12F1822 with ST7735 SPI TFT display
Interfacing PIC16F84 with DS3231 RTC
Interfacing PIC18F4520 microcontroller with an HD44780 LCD

Interfacing PIC18F4550 with 1.8" TFT display
Interfacing VFD with PIC Microcontroller
Introducing the BOLT PIC18F2550 Microcontroller Board using pic microcontoller
KS0108 LCD THERMOMETER CCS C PIC16F88 LM35 SENSOR
LCD DISPLAY FAN CONTROL CIRCUIT PIC16F84A PICBASIC PRO
LCD DISPLAY PIC16F84A TEMPERATURE FAN CONTROL CIRCUIT
LCD Interface With PIC16F877A Microcontroller
LCD Interfacing with PIC Microcontroller using MPLABX and XC8
LCD MENU INTERFACE PROJECT PIC18F2620 C18 NOKIA6100
LCD Module Control over IR Link using PIC16F690
LCD OSCILLOSCOPE CIRCUIT PROJECT PIC18F4520
LCD Oscilloscope for Spectrum Analyzers using PIC16F876A
LCD Serial Terminal using PIC16F84
LCD SWR METER CIRCUIT PIC16F877
Lecture 43 : Interfacing PIC16F877 Microcontroller with an LCD
Low Cost 1 Wire Lcd for 8 Pin Micro Controllers [romanblack Shift1 System]
Making “The LCD Expansion Board” for PIC18F4520 using pic microcontoller
Mechanically scanned laser display using PIC17F877
Message Pump using PIC16F687 microcontroller
Microcontroller based Data Logger
Microcontroller Controlled Metal Detector Projects
Multipulxing 7 Segment Display using PIC18F2550 Microcontroller
My GPS LCD Display Project using PIC16F84
Nokia 3315 / 3310 LCD interfacing with Microcontroller
Open Source 3.2” TFT Smart Display
PIC 16C84 VT-52 Emulator for Linux
PIC KICK TWEET !
PIC Microcontroller Based Electronic Lock
PIC Microcontroller Project: 24-Hour Clock and Thermometer with PIC16F690 and LCD in C
PIC MICROCONTROLLER PROJECTS AND LCD CIRCUITS
Pic Projects With Schematics And Source Code
PIC Waveform Recorder
PIC12F675 based digital clock using LCD display (Code + Proteus simulation)
PIC16F628 LCD DISPLAY THERMOMETER CIRCUIT (DATE TIME)
PIC16F84 LCD DISPLAY LC METER
PIC16F84A based digital clock using LCD display (Code+Proteus simulation)
PIC16F873 WITH LCD DISPLAY CALCULATOR CIRCUIT
PIC16F876 MIDI SPLITTER CIRCUIT WITH LCD DISPLAY
PIC16F877 based controllable digital clock using LCD display (Code+Proteus simulation)
PIC16F877 LCD code and Proteus simulation
PIC16F877 LCD MOTORS SPEED INDICATOR ENCODER CIRCUIT
PIC16F877 NOKIA 3310 LCD DISPLAY IR REMOTE RC5 CONTROL
PIC16F877A (with LCD) not working
PIC16F88 LCD TACHOMETER CIRCUIT
pic18f2550 Microcontroller Project Board
PIC18F452 128X64 GRAPHIC LCD ANIMATION EXAMPLE
PIC18F4550 - LCD display jhd162a (2x16) Interface
PIC30F4011 OSCILLOSCOPE AND SPECTRUM ANALYZER 128×64 GLCD
PIC32 Multimedia Expansion Board Review Video
PIC32 SPECTRUM ANALYZER CIRCUIT TFT PIC24 PIC32 EXAMPLES

PICBASIC TFT TOUCH LCD PROJECT PIC16F628A SSD1289 ADS7843
PICMICRO LCD BAR APPLICATIONS HI TECH C AND PROTON IDE EXAMPLE
PlayPIC - A Tutorial Board for the PIC16F84A Microcontroller
PROJECT FINAL WRITE-UP
PURE SINE WAVE INVERTER WITH LED AND LCD
RC5 IR Remote Control Decoder with PIC12F1822 Microcontroller
RC5/RC6 codes on a LCD using PIC16F648A
Realtime OS / LCD on $12 Discovery Board
Relay Timer with PIC16F628
RFID Based Attendance System – Circuit, Working, Source Code
RFID based electronic lock using pic microcontroller
Schematics and C code for a 0-5V PIC LCD Volt Meter. using pic microcontoller
SCROLLING TEXT CIRCUIT LED MATRIX PIC16F628 74HC595
Scrolling Text on LCD by PIC Microcontroller
Serial Data Received from PC and Displayed on 16x2 Using USART of Pic16f877 Microcontroller
Serial LCD Controller
Serial LCD Library using PIC16C84
Serial LCD Module using PIC16F88
Serial LCD project using PIC16F877A Microcontroller
Serial LCDs you can make your own using PIC12F683
Sign Language Learner
Simple Digital GPS Speedometer Using PIC16F877A with LCD Display
Spectrum analyzer based PIC18F4550
Spectrum Analyzer using TMS320F28023DA with Proteus Simulation
The IDE Project
Transmitting and receiving data using UART protocol PIC Microcontroller
TTPSU - Power supply for turntables with AC motors
Twitter Watcher, the #twatch using PIC18F67J60 microcontroller
Up-Down counter on 16*2 LCD using 8051 microcontroller
USC LCD COMPUTER CPU RAM INDICATOR PIC18F2550
Using an LCD's for Graphics Animation using PIC16C84
Using Digole 12864ZW LCD with PIC18F
Using STONE LCD screen and ESP32 MCU to implement home massage chair application
Vehicle security with GSM
Very Accurate LC Meter based on PIC16F628A
VGA display using PIC18F452 microcontroller
Voltmeter Ammeter Kit - Blue Backlight LCD
WHAT IS A PIC MICROCONTROLLER? WHAT CAN IT DO?
WITH BUTTON CONTROL CCS C CIRCUIT LCD DISPLAY PIC16F877

Programmers 168 projects

130µA Microcontroller Power Control Board | OPEnS Lab
18F4550 Programmer in Ten years
5 transistor PIC programmer *Schematic added to step 9!
8 Channel Programmable Timer
8049 Spy using pic microcontroller
8051 PROGRAMMABLE POWER SUPPLY
8051-PIC MICROCONTROLLER PROJECTS
A digital thermometer or talk I2C to your atmel microcontroller using pic microcontroller

A pic programmer circuit based on AN589
A pic programmer circuit based on AN589. using pic microcontoller
A simple programmer for PIC microcontrollers
Adapter for small size PIC/AVR chip programming
All pic programmer using 16F87X microcontroller
ALL-IN-ONE MICROCONTROLLER EXPERIMENT PCB
Analog Input Using PIC Microcontroller (assembly Language)
Analog Input Using PIC Microcontroller (assembly Language)
automatic power factor controller using microcontroller
Book: PIC Microcontrollers
Book: PIC Microcontrollers - Programming in C
Build a Programmer for the 68HC705C8 MicroController
Building the Inchworm ICD2 PIC Programmer / Debugger
Building the Inchworm ICD2 PIC Programmer / Debugger using PIC16F877
Calculator Test using PIC24FJ64GA006 with Proteus Simulation
Cheap PIC Programmer using PIC16F84 microcontroller
Crafting a Microcontroller Circuit: From Design to Programming
Designing a Door Access Control System with Programmed AT89C52 Microcontroller
DHT11 Low Cost Humidity Sensor using PIC16F628A with Proteus Simulation
Display custom characters on 16×2 lcd using Microchip Pic16f877 Microcontroller
Diversified Projects in Microcontroller Class Enhances Undergraduates' Learning and Research
DIY- UNIVERSAL PIC AND AVR PROGRAMMER
dsPIC33 Recorder using dsPIC33FJ12GP201 with Proteus Simulation
DSPIC33FJ12GP202 MIDI SYNTHESIZER MCP4921 6N137
Easy 16F84 Microcontroller Programmer - JDM
ECE383: Microcomputers – Lab 5 C and PIC24 Assembly Language Programming
El Cheapo, the cheap way to program a PIC microcontroller
Electronic Code locking system using PIC 16F877 Mircocontroller
EMDP1 -- Extensible Multiple Device Programmer 1 (Rev. C) using pic microcontroller
Enhancing Microcontroller Programming Skills through Multi-Module 8051 Microcontroller Boards
Ethernet Controller and Microcontroller Research
F84-Programmer using pic microcontroller
First Time Programming a Microcontroller
Fluffy - A Scenix (and PIC) Programmer
FREE MICROCHIP PICMICRO OF COMPLETED PROJECTS
Getting started with PIC Microcontroller Programming
Getting started with PIC Microcontroller: Introduction to PIC and MPLABX
GTP USB PIC PROGRAMMER (Open Source) using PIC18F252
Hello World Project With PIC Microcontroller – Part II
How I Made This 18F4550 Programmer in Ten Years
How to build your own PIC-Programmer using PIC12C50x
How to display 5x8 and 5x10 size font characters on 16x2 lcd with 8-bit microcontrollers
How to Get an Analog Input on a PIC Microcontroller
How to getting started with microcontrollers projects using PIC12F629 microcontroller
How to make a JDM Programmer
How to Make a PIC Programmer - PicKit 2 'clone'
HOW TO PROGRAM A MICROCONTROLLER
How to Program a PIC 18F2550 or 18f4550 With Arduino UNO
How to Program a PIC Microcontroller & Read an Encoder
How to Use PICKit3 to upload code to pic microcontroller

How to Use “MikroC PRO for PIC” to Program PIC Microcontrollers
How to Wire a PIC Microcontroller?
How to work with External (Hardware) Interrupts of PIC Microcontroller (PIC18F4550)
How to write embedded C project in Mikro C to build .HEX file
In circuit serial programmer for PIC16F87X
In-Circuit PIC Loader using PIC18F458 microcontroller
Input programming activity
internetworking with microchip microcontroller pic18f+enc28j60
Introducing PIC Microcontroller projects
Introduction to Microchip PIC Assembler Language – Part 2
Introduction to the Microchip PIC C Programming
j. ICSP Programmer for PIC32 microcontroller family
JDM2 based PIC Programmer
Kaossilator 2 hack: hands free (part 1/2)
Lab 10: Programming the PIC Microcontroller
Latest Microcontroller Based Electronic Project Circuits in 2014
Lets Program a PIC Microprocessor
LPC2138 ARM MICROCONTROLLER BASED CHECK POINT
Make your own PIC Programmer using PIC12C508
MAKING A PICKIT 3 CLONE
Mastering Microcontroller Programming: From Basics to Advanced Techniques
Mastering the Basics: Programming a PIC Microcontroller
METAL DETECTOR CIRCUIT PIC12F683 MICROCONTROLLER
Microchip PIC Programmer ICSP Circuit Requirements
Microchip PIC Serial Port Programmer
Microcontroller Architecture and Applications in Embedded Systems Design
Microcontroller based Morse Code Generator with Applications
Microcontroller Clapper Switch
Microcontroller In Circuit Serial Programming (ICSP) with Microchip PIC
Microcontroller Programming Basics: Toolchains & SFRs Explained
Microcontrollers: Fundamentals and Applications
Minty JDM PIC Programmer using PIC18F4550 microcontroller
Navigating the Components of PIC Microcontroller Architecture
NOPPP, the "No-Parts" PIC Programmer using PIC16F83
Original PICKIT-2 microcontroller programmer
Parallel Port Microchip PIC Micro Controller Programmer
PIC 12F675 Programmer/OscCal Restore/Tester
PIC 16F84 Serial Programmer
PIC 16F917 Microcontroller Programmer
PIC Analog to Digital Converter C Programming
PIC and EEPROM Programmer
PIC micro Timer Code
PIC Microcontroller Architecture and Applications
PIC microcontroller power supply circuit by Chayapol
PIC Microcontroller Projects for Final Year Engineering Students
PIC Microcontroller Projects in C: Basic to Advanced - A Project Deep Dive
pic microcontroller projects pdf
PIC Microcontrollers - Programming in BASIC
PIC Microcontrollers - Programming in C
PIC Musical Doorbell using PIC16F84A with Proteus Simulation

PIC Programmer and Programming
PIC PROGRAMMER MkV using PIC12F629
Pic Programmer USB
PIC programmer using PIC16F84A Microcontroller
PIC Programmer Using USB-Serial Converter for 18F4550
PIC programmers for parallel port
pic-microcontroller
PIC-Microcontroller C Tool flow Video
PIC10 RS232 Parity Checker using PIC10F202 with Proteus Simulation
PIC12 ADC Converter using PIC12C671 with Proteus Simulation
PIC16F84 Introduction
PIC16F84 Multiple Programming Circuit
PIC17C77 MIDI CONTROL CIRCUIT MC14067
PIC18F252 Programming
PIC18F2550 USB APPLICATIONS VISUAL BASIC 6
PIC18F2550 Very Simple Penguin
PIC18F4580 USB ANALYZER CIRCUIT LCD 4-CHANNEL
PIC24 Speech Output of Temperature Reading using PIC24FJ128GA010 with Proteus Simulation
PicChess
PICCOLO Motor Controller Sample Design using TMS320F28023PT with Proteus Simulation
Pickit 2 clone The Universal Microchip PIC Programmer /Debugger
Pickit 2 Download & Develop Your own USB pickit ii programmer
PICKit3 Programming With MPLABX
PICMicro Programmer with the "ElCheapo" using PIC16F84
PID Controlled Oven using TMS320F28027PT with Proteus Simulation
Pinguino Project (a PIC Microcontroller Based Arduino #No Programmer Required)
PLC (Programmable Logic Controller) with Microchip Pic Microcontroller
Pocket Programmer
Programmable IR Station
Programmable Lamp Dimmer using pic microcontoller
Programmable Stiffness Joint using pic-microcontroller
Programmer using PIC16F84 microcontroller
Programming HID Bootloader on PIC32
Programming HID Bootloader on PIC32
PURPIC, the wearable PICkit2 clone using PIC12F508 programmer
Revolutionizing Wearable Tech: Advancements in Self-Powered Microchips
RF MODULE INTERFACE TO 8051 MICROCONTROLLER
Schaer+ Programmer using PIC12F629 microcontroller
Servo Control With Microchip Microcontroller
Setting Up CloudX
Setting up the PIC Microcontroller
Simple 3 Resistor PIC Programmer
Simple GAL Programmer
SINE WAVE INVERTER CIRCUIT WITH PIC16F876 MICROCONTROLLER
SINE WAVE INVERTER USING PIC MICROCONTROLLER
Starting Programming With a Flow Chart
The 5 minute intro to using the PIC16F84A microcontroller
The Hitchhiker’s Guide to C Programming on the PIC
Three phase voltage measurement using pic microcontroller
Top Microcontroller based Mini Projects for 3rd and 4th Year Engineering Students

Top PIC Microcontroller Projects with Embedded C Programming
True USB GQ-4X Programmer using pic microcontroller
Understanding the Fundamentals: Exploring Microprocessor, Microcontroller, and Programming Basics
Use a PIC Microcontroller to Control a Hobby Servo
USING EXtreme Burner for AVR Microcontroller Programming
Using Microchip’s MPLAB X IDE and Programming the PIC18F
Versatile SOIC PIC Programming Header using PIC18F88
WEB-BASED CIRCUIT DESIGN & ANALYSIS
WLoader - a 16f877 application loader using pic microcontroller
WORLD'S SIMPLEST PROGRAM using PIC12F629

Development Boards and Kits 164 projects

18 PIN PIC Development Board
18-PIN MICROCHIP PIC EXPERIMENT BOARDS PROJECT
28 Pin PIC Terminal Development Board
4 Channel DMX512 Driver for PIC16F1823
4 Channel DMX512 Driver for PIC16F688
433MHZ RF RELAY CONTROL CIRCUIT PIC16F628
433MHz RF remote control system based on PIC microcontroller
4TH FLOOR ELEVATOR CONTROL CIRCUIT PIC16F877
555 timer in different modes of operation with circuit diagram
8-CHANNEL RF RELAY CONTROL CIRCUIT RS232 PC PIC16F628
89Sxx Development Board
Amicus18: Arduino-style platform for PIC fans using PIC18F25K20
An Arduino me-too-alike for PIC16F873A
An Integrated Approach to Developing Applications with Microchip PIC Microcontrollers
AVR Mini Board With Additional Boards
Basic PIC circuit is not working
Breadboard module for PIC16F628A
Breadboard using dsPIC30F2012 microcontroller
Breakout board for 18-pin PIC16F series microcontrollers
Breakout board for PIC16F1847 microcontroller
Build a PDK (Pocket Development Kit)
Build your Own PCB Exposure Box with Fluorescent Lamps and Countdown System
chipKIT Project 1: Digital thermometer using an LM34 sensor
chipKIT Project 2: Temperature and relative humidity logger
chipKIT Project 3: Easy Pulse Meter
chipKIT Project 4: Digital light meter
chipKIT Project 5: Digital stopwatch on seven segment LED display
chipKIT Tutorial 1: Digital input and output
chipKIT Tutorial 2: Serial communication with PC
chipKIT Tutorial 3: Analog-to-digital conversion
chipKIT Tutorial 4: Interfacing a character LCD
chipKIT Tutorial 5: Pulse width modulation (PWM)
chipKIT Tutorial 6: Inter-Integrated Circuit (I2C) communication
chipKIT Tutorial 7: Using Nokia 5110 LCD
COLOR DETECTION CIRCUIT PIC18F252
Compact PIC18F1320 Microcontroller Board
Complete Circuit Board Lab & POV Business Card using PIC12F508 microcontroller

Connect to the PIC Microcontroller
Curiosity Development Kit Board
Development board for Attiny84 Microcontroller
DEVELOPMENT BOARD PIC18F2550 PIC18F4550
Development of a MATLAB-based Graphical User Interface Environment for PIC Microcontroller Projects
Development system for PIC and AVR microcontrollers
DIGITAL VOLTAGE PROBE PIC18F242
DIY $1 PIC 12f675 JDM Programmer (Cheap and Easy)
DIY plug-in modules to make microcontroller breadboarding easier
DSPIC DEVELOPMENT BOARD
dsPIC30F2012 breadboard
Embedded System for Automatic Washing Machine using Microchip PIC18F Series Microcontroller
ENJ28J60 TCP IP CONTROL CIRCUIT PIC18F67J60
EPSON CARTRIDGE RESET CIRCUIT PIC12F629
Examining the environmental impact of computation and the future of green computing
EXPERIMENT BOARD FOR 40-PIN PIC-MICROCONTROLLERS DEVELOPMENT
Experimenter’s board for enhanced mid-range PIC microcontrollers (PIC16F1827 and PIC16F1847)
Gen 3.2 PCS Board Design
Hands-On Microcontroller Projects: BK300 Development Board Featuring PIC16F887 Chip Lab
How to build a speed detector for a coilgun project
How to make a 'Propeller Display' using PIC microcontroller
How to use the EQ PIC Development Board Video
Idea: a Simple PIC Development Board
Inrush Current Limiting using NTC Thermistor
IoT Microcontroller Development Kit
JALPIC One Development Board
LAMP EFFECTS CIRCUIT PIC16F628 10-CHANNELS 12V 60W
LEARN HARDWARE FIRMWARE AND SOFTWARE DESIGN - BRIEF DESCRIPTION
Learning Board for PIC12F683 Microchip
Making of PIC18F452 Micro-Controller Development/Generic Board
MICROCHIP DEVELOPMENT TEST BOARD PIC18F452
Microchip PIC Microcontrollers
MICROCHIP PIC16F, PIC18F DEVELOPMENT BOARDS
MICROCHIP PIC16F877 TESTING, EXPERIMENT BOARD
Microcontroller based Diode and Bipolar Junction Transistor (BJT) tester
microcontroller based projects circuit free
Microcontroller Tutorial 4/5: Creating a Microcontroller Circuit Board
Microcontroller-Driven AC Voltage Control with Soft Start Feature
MikroElektronika’s “Ready for PIC” board talks to “Processing” using PIC16F887
Mini AV Test Box using pic microcontoller
Mini PIC Dev Board using PIC18F452
Mini project board for PIC12F series microcontrollers
Mork Microchip PIC32MX ICSP
MULTI-FUNCTIONAL PICMICRO DEVELOPMENT BOARD (BREADBOARD SUPPORTED)
MULTI-PURPOSE PICMICRO TEST BOARDS
NES Controller iPod Remote
New Microchip PIC32 Microcontrollers Run at 72MHz
On-Board Satellite Controller using ARM Based Microcontroller
One PIC Microcontroller Platform Development Board
OPEN SOURCE PROJECT DEVELOPMENT PLATFORM JALUINO JALV2 PIC18F4550

OSCILLOSCOPE CIRCUIT WITH MAX492 PIC16F877 GRAPHIC LCD
Password Based Circuit Breaker using PIC Microcontroller with C code
PIC 16F877 / 16F874 Development Board
PIC 18F – 28 PIN PIC Development Board
PIC Controlled Relay Driver using PIC16F84A
Pic Cross Development Support Tools
PIC Development Board – Hello World Project
PIC DEVELOPMENT BOARDS PIC16F84 PIC16F873
PIC development/testing board using PIC16F877 microcontroller
PIC Evaluation/Development Board Implementation using pic-microcontroller
PIC LICK-1 using PIC16F84 Microcontroller
PIC microcontroller Beginner's guide: Basic connection circuit
PIC Microcontroller Development Board System
PIC microcontroller development board using pic microcontroller
PIC Microcontroller-Based IC Tester for Efficient Integrated Circuit Verification
PIC Stepper Motor Controller using PIC16F84A with Proteus Simulation
PIC-Programmer 2 for PIC16C84 etc.
PIC12F microcontroller project board
PIC12F675 Development Board Micro Size 3.0 Cm X2.5 Cm
PIC16C54 dual dice electronic project circuit
PIC16F1787 Programmer Board (for Almost all 40 pin 16Fxxx)
PIC16F628 12 CHANNEL RF RELAY CONTROL (RR10 MODULE)
PIC16f628 DS18B20 Adjustable thermometer circuit
PIC16F628 EXPERIMENT BOARD PROJECT
PIC16F688 breadboard module for quick prototyping
PIC16F84 DEVELOPMENT BOARD PLAY-PIC
PIC16F84 Evaluation Board
PIC16F84 KING RIDER CIRCUIT
PIC16F84 PROGRAMMER EXPERIMENT BOARD
PIC16F874P PROJECT DEVELOPMENT TEST CIRCUIT
PIC16F877 Development Board v. 1.2
PIC16F877 EXPERIMENT BOARD CIRCUIT PIC PROGRAMMING PIC TUTORIAL BOOK
PIC16F877 PIC16F84 PROTEUS ISIS PICMICRO DEVELOPMENT BOARD SIMULATIONS
PIC18 Development Board with Ethernet and USB
PIC18F2520 SD MMC DEVELOPMENT BOARD CIRCUIT
PIC18F2550 Project Board using pic microcontroller
PIC18F452 , PIC16F877 SERIES MICROCONTROLLER EXPERIMENT BOARD
PIC18F4550 DEVELOPMENT BOARD AND PIC18F4550 EXAMPLES
PIC24 DEVELOPMENT BOARD BREAKOUT BOARD
Picaxe Projects #1: Making Fast Printed Circuit Modules
PICBASIC PRO EXAMPLES PROTEUS ISIS CIRCUITS
PICJazz 20PIN Learning and Development Board
PICMAN prototyping board using PIC18LF4553
Pimp my Pong
Pinguino Egypt - PIC Based Arduino
PlayPIC Tutorial Board for the PIC16F84A Microcontroller
Ponyprog Circuit for AVR & PIC16F84
Project Board using PIC18F2550 microcontroller
PROTON IDE PROTEUS ISIS CIRCUITS EXAMPLE PROTON COMPILER
PROTOTYPING BOARD FOR PIC16F876 PROGRAMMER, EXPERIMENT

Re-Doing my Design for a circuit to control an invention using a Microchip PIC microcontroller chips.
Rev 4.2.2 schematic and PCB
Revised version of the PIC12F microcontrollers breakout board
Rs 232 Relay Control Board using PIC16F84A
Self-made development board for the 32-bit PIC32MX220F032B Microcontroller
SIMPLE DSPIC EXPERIMENT DEVELOPMENT BOARD
Simple RS232 to logic level converter for PIC microcontroller
Single Pic Micro single shot bi stable Relay
Standalone BreadBoard Breakout for PIC Microcontrollers
Step-by-Step Assembly Guide for [Development Board Name]
Tens Electronic Muscle Stimulation Device Circuit with PIC16F84
The chipKIT™ UNO32™ and MAX32™ development boards for the Arduino™ Community
The Digital Logic Smart Breadboard Experience
The PIC Elmer 160 Project Board using PIC16F628
Towers of Hanoi Final report using pic-microcontroller
Ultra-easy use of 64-pin TQFP PIC18F6620 using TQFP-to-DIP PCB from VOTI
Ultra-Low Power: Microcontroller Standby Current to 130uA with OPEnS Power Control Board
Ultrasonic Position System
Ultrasonic Range Finder Circuit AD605 PIC16F876
Universal Driver & Dev Board using PIC16F
USE INPUT OUTPUT PORTS OF PIC18F452 MICROCONTROLLER
Using Microcontrollers (Microchip PIC)
Voltage Measurement with A PIC Microcontroller
Web Controlled Multifunctional Car
WEEKLY SCHEDULED WATERING FLOWERS CIRCUIT PICBASICPRO PIC16F876
Whac-a-Veggie using PIC18F4550 microcontroller
What is Chipkit Development Board?

Robotics and Automation **110 projects**

4760 Final Project: Spy Robot
8051 ROBOT ARM STEPPER MOTOR CONTROL
A Versatile PIC16F876A Based Robot
accelerometer Based Hand Gesture Controlled Robot using Xbee
AI Mobile Robot with GP2D120 Distance Sensor – BRAM Part 2
Animatronic Robot Head
Application of Microcontroller in Science and Technology
AUTOMATIC WATER LEVEL CONTROLLER USING MICRO-CONTROLLER PIC18F45K22
Autonomous Foosball Table
Bluetooth Controlled Robot using pic microcontroller
Build Your Own Simple and Easy PICAXE Microcontroller Based Photovore Robot
Building BRAM your first Autonomous Mobile Robot using Microchip PIC Microcontroller – Part 1
Building the Mongoose Mechatronics Robot: Part 1 Chassis & Gearbox using PIC18F2525
C-52EVB Robot Controller
C-52EVBRobot Controller
Capacitive Sensing Robot Arm
CAT BOT
CCS C SUMO ROBOT PROJECT PIC16F876
Cheap Easy Solar Powered Robot
Complete Guide to Design an Advanced Line Follower Robot

COMPUTER CONTROLLED ROBOT PROJECT PIC16F877
Computer-Controlled Light-Up Water Fountain
Debouncing Interrupts With MPIDE Part 1: Brute Force
Digital Barometer using PIC Microcontroller and MPX4115A Pressure Sensor - XC8
DIY Muscle Sensor / EMG Circuit for a Microcontroller
Easy Way to Learn Robotics Using Microcontrollers: A Beginner's Guide
ECE 4760: Final Project Report
EMG Robotic Hand
EXAMPLES OF SENSOR DETECTION CIRCUITS FOR ROBOT PROJECTS
Exploring the PIC16F88 Microcontroller for Remote-Controlled Robotics
Exploring Versatility: GSM-Based Robotic Vehicle Technology
FACE ROBOT PIC18F452 SERVO MOTOR CONTROL
FailureBot 5 - A Line Following Robot
Fire Fighting Controlling Robots Used in Dangerous Situations
Fire Fighting Robotic Vehicle
GSM Based Versatile Robotic Vehicle Using PIC Microcontroller
HAND-GESTURE CONTROLLED ROBOT
How to Build a Self Navigating Robot
How to make a computer controlled Robot Project Using PIC16F877A? using pic microcontoller
HUMANOID robotic ARM using pic microcontroller
Infrared Remote Controlled (RC) Steerable Vibrobot Created by Naghi Sotoudeh
Innovative Robotics: A Comprehensive Project Exploration
Installing MPLAB X for ChipKIT Products
Interfacing LM35 Temperature Sensor with PIC Microcontroller.
IR Remote Controlled Tracked Robot
JavaBot1..... A line following robot
Karaoke Robot Judge
Large Dancing Robot using PIC16f877A microcontroller
LDR Based Line follower Robot Car using PIC Microcontroller
LEGO ROBOT PROJECT WITH PIC16F877 PIC ASSEMBLY
Line follower robot using microcontroller
Line Follower Robot using PIC Microcontroller
Line Follower Robot – Build it from scratch using pic microcontoller
LINE FOLLOWING ROBOT CIRCUIT PIC12F508 MC68HC908QB8
Line following robot using PIC16F84
Line following Robotic Vehicle using Microcontroller
Metal detector robot using pic microcontroller
Microchip – Let my robot see! using pic microcontoller
Microcontroller Implementation of a Small Robot Arm Controller
Mini Sumo
Object Detecting Android Mobile Phone Controlled Bluetooth Robot Using PIC Microcontroller 16F877A
Obstacle Avoiding Robot using PIC Microcontroller
Open Automaton Project
PHILIPS RC5 REMOTE DIMMER WITH PIC16F628
PIC16F628 WI-FI ROBOT PROJECT
PIC16F628A LINE FOLLOWING ROBOT PROJECT
PIC16F84 LINE FOLLOWER ROBOT PROJECT
PIC16F877 LINE FOLLOWING ROBOTS PROJECT
PIC16F877 VERY FAST LINE FOLLOWING ROBOT PROJECTS ORANGUTAN B-328
PIC18F2455 PIC-TENGU CCS C TALKING ROBOT

PIC18F46K20 6-LEGGED ROBOT PROJECT
PIC33FJ256MC510 ROBOTIC PUPPET CONTROLS
Pingbot - Micro RC Rechargable Musical Robot Pal using PICAXE
Pitt Robotics Club's Guide to PIC16F877A Programming
Pong Bot
RC Servo Switcher using pic microcontoller
RF Modem Robotics Project using PIC16F84 microcontroller
RF Motion Controlled Robot
RF ROBOT PROJECT PIC16F877
Robot 1: "Little Jimmy" based on PICAXE-18M2
Robot Car Controlled by Hand Motions
ROBOT CONTROL BOARD PIC18F4550 FOR ROBOTICS AND AUTOMATION PROJECTS
Robotic Arm Control using PIC Microcontroller
ROBOTIC ARM PROJECT PIC16F877 CCS C VISUALBASIC COMPUTER-CONTROLLED
Robotic Candy Sorter
Rubik's Cube Solving Robot
Rubot
Self-Balancing Robot
SIMPLE AUTO ROBOT PIC16F628 H-BRIDGE MOTOR DRIVER CIRCUIT
SIX-LEGGED BASIC STAMP2 SPIDER ROBOT PROJECT
Small Virtual Wall for iRobot Roomba using PIC12F629
Software UART (SoftUART) using TMS320F28027 Piccolo with Proteus Simulation
SUMO ROBOT PROJECT PIC16F877 CONTROL CIRCUIT L293D
TALKING ROBOT PROJECT MICROCHIP PIC24F16KA102
TechBot line following robot using PIC16F84
The Glowing Green Robot
The Line Follower Robot with Texas Instruments 16-Bit MSP430G2231 Microcontroller
The LM324 Quad Op-Amp Line Follower Robot with Pulse Width Modulation
The Rock
THE SIMPLE ROVERBOT
The Wooden Menace - a Mighty Robotic Arm Powered by Servos using pic microcontoller
Tiny Remote for iRobot Roomba using PIC12F629
Twitter Emote Robot
Ultrasonic Obstacle-avoiding Robot
ULTRASONIC SONAR RADAR ROBOT SAA1027 PIC18F2420 FT232
Voice Activated Robo Car on Microcontroller with TinyML
Wifi robot vehicle controlled by PIC16F628A
Wireless Control of Robotic Arm via PS2 Joystick and Microcontroller Technology
Writing Robot Arm
Bluetooth Controlled- Obstacle Avoidance Robot Car Using PIC32 Microcontroller

Meters and Instruments 109 projects

50MHz 7 segment frequency counter using PIC16F877A
60MHz Frequency Meter / Counter using pic microcontroller
8051 SRF04 ULTRASONIC DISTANCE METER CIRCUIT
89C51 8051 VOLTMETER THERMOMETER DS1621 ADC0808
A Digital temperature meter using an LM35 temperature sensor using PIC16F688
A DIY indoor thermometer plus hygrometer using PIC16F688
A simple 50 MHz diy microwattmeter using PIC16C84

AC Voltage measurement using PIC16F877A microcontroller
ADXL05 DIĞITAL INCLINOMETER CIRCUIT PIC16F84
AUDIO SIGNAL MEASUREMENT DIGITAL MILLIVOLTS METER CIRCUIT PIC16F88
Bluetooth Wireless Voltage Meter using PIC12F683 microcontroller
Build a digital spirit level using a SCA610 accelerometer using PIC16F684
Build A Digital Tachometer/RPM Counter using PIC18F452
Capacitance Meter MkII using PIC12F629
CAPACITY METER CIRCUIT PIC16F873A
CAR FUEL MONITOR CIRCUIT PIC16F84
CAR THERMOMETER PROJECT PICBASIC PRO DS18B20 PIC16F628
Computer controlled infrared transmitter based on PIC
Connect ADC with PIC16F877
Connect ADC with PIC16F877
CSCI 255 Lab using pic-microcontroller
DATA LOGGER measures and stores voltage using PIC16F876
Determine capacitance by measuring the charging time using PIC16F688
Digital Ammeter circuit using pic microcontroller
Digital Ammeter Circuit using PIC Microcontroller and ACS712
Digital DC watt meter project using pic microcontroller
Digital frequency meter using pic microcontroller
Digital Meter Adapter - DMAD
Digital Oscilloscope using PIC16F688
Digital Thermometer using a PIC Microcontroller and DS18B20
Digital Thermometer using LM35 and PIC Microcontroller
Digital thermometer with PIC16F84 circuit
Digital Voltmeter (0-50v) using PIC Microcontroller
Digital Voltmeter (DVM) using PIC16F688
Digital Voltmeter Using PIC Microcontroller 16F877A and Seven Segments Display (0-30V)
Digital Voltmeter using PIC16F877a
Digital Watt meter using PIC16F876
DS18S20 Dual Temperature Meter using pic microcontroller
DSPIC30F2012 PULSE OXIMETER 2X8 CHARACTER DISPLAY
DSPIC30F3013 ELM327P AUTOMOTIVE RACING MONITOR
DSPIC30F4012 CONTROLS SPECTRO METER 10 BIT ADC IR FFT
ESR Meter using pic microcontoller
EXAMPLE HALL EFFECT SENSOR PIC16F876 TACHOMETER CIRCUIT
Experimenting with a thermistor using PIC16F1937
Function Generator using PIC16F870 microcontroller
Harmonic Distortion Meter using PIC18F2550
High res cap meter with PIC 16F628
How to make a contact-less digital tachometer using IR-light reflection technique
How to make a contact-less digital tachometer using IR-light reflection technique using PIC18F2550
INDUCTANCE & CAPACITANCE METER PIC16F648A LCMETER
Induction Heater with CKM005 Microcontroller
KEIL MCB2130 LPC2138 PROTON PRECESSION MAGNETOMETER
lc meter capacimeter inductimeter circuit pic 16f84 auto range lcmeter
LC meter using PIC16F628A Microcontroller
LED DISPLAY SPEED METER CIRCUIT WITH AT89C51
LED LYT Meter: LED, PIC Microcontroller, and Moving Average Code
Logic Probe Plus using PIC12F683

Making a digital capacitance meter using microcontroller
Making a digital capacitance meter using PIC16F628A
Making a simple clap switch using PIC12F683
Mechanically scanned RS232 display (with dynamic speed)
Microcontroller based Diode and Bipolar Junction Transistor (BJT) tester using PIC16F688
Model Train Speedometer
Model Train Speedometer V2
MOTM Compatible Dual Channel Quantizer
MULTI-VOLTAGE METER WITH PIC18F2550 PICBASIC PRO
PC Based Digital Voltmeter Using PIC 16F877A
PIC 16f877 microcontroller based RPM Meter
PIC 16F88 Digital Thermometer Light Meter and resistance ohm meter.
PIC-based Digital Voltmeter (DVM)
PIC12C509 REMOTE RECEIVER TRANSMITTER
PIC16C622 MICROCONTROLLER MEASURING THE RESISTANCE CAPACITOR RC METER CIRCUIT
PIC16c71 four channel digital voltmeter
PIC16C74 NTC THERMOMETER CIRCUIT
PIC16C84 PICMICRO CONTROLLED CAPACITANCE METER CIRCUIT
PIC16F628 LC METER CIRCUIT
PIC16F84 2.7GHZ FREQUENCY METER CIRCUIT 100KHZ RESOLUTION PICBASIC PRO
PIC16F84 AMMETER CIRCUIT 0-80A UGN3503
PIC16F877 Multimeter
PIC16F88 DIGITAL VOLTMETER CIRCUIT
PIC16F88 TACHOMETER CIRCUIT LED AND DISPLAY INDICATOR
PICMICRO PIC16C923 CURRENT MEASUREMENTS WATT HOUR METER PROJECT
Prepaid Energy Meter with GSM Modem using pic microcontroller
Projects on Speed Checker To Detect Rash Driving On Highways
Real Time Stock Monitor
Revised version of LM35 based digital temperature meter using PIC16F688
Seven Segment Display Thermometer with PIC Microcontroller
Simple Digital Current Meter (DCM) using PIC microcontroller (Schematic + code + Proteus simulation)
Simple Digital Voltmeter (DVM) using PIC12F675 (Code+Proteus simulation)
Simple Power Guard - PIC12F683
Sine Triangle Square Saw Burst Sweep Noise - runs on a PIC16F870
SLEEP QUALITY METER
Solar Recorder using PIC18F458 microcontroller
Tampered Energy Meter Monitoring Conveyed to Control Room by GSM with User Programmable Number Features
The Magnetometer using PIC16F688
Thermometer with PIC Microcontroller
TrH Meter: A DIY indoor thermometer plus hygrometer with adaptive brightness control implemented to 7-segment LED displays
TSA5511 5W PLL FM TRANSMITTER PIC16F627A
ULTRASONIC DISTANCE METER CIRCUIT WITH PIC16F873
USING DS1668 DIGITAL POTENTIOMETER WITH PIC16F877
Very Accurate LC Meter based on PIC16F628A using pic microcontroller
VOLT AMP METER CIRCUIT PIC16F877
Voltage monitor for car's battery and its charging system PIC16F1827
Voltmeter Ammeter Kit
Voltmeter Ammeter using pic microcontroller
Voltmeter and Ammeter using PIC Microcontroller

Water Wave/Tide/Level Meter 2.0 using PIC16F88
WATT, CURRENT METER CIRCUIT PIC16F88 RPM SENSOR
Wireless MultiMeter using PIC18F452 Microcontroller

Motor 107 projects

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A Self-Contained Data Logging Anemometer
Advanced Techniques for Fault Detection, Indication, and Protection in Induction Motors
An Introduction to Brushless DC Motor Control
AT89C51 L293D DC MOTOR WITH DOOR CONTROL CIRCUIT
AT89C51 L293D MOTOR CONTROL PROJECT
AT89S52 8051 RF DC MOTOR SPEED CONTROL
AT89S52 LCD DISPLAY STEPPER MOTOR CONTROL EXAMPLE
Basic Servo Motor Controlling with Microchip PIC Microcontroller
BRIDGE BIDIRECTIONAL DC MOTOR SPEED CONTROL PWM PIC12F629
BRUSHED MOTOR ESC PIC12F675 PWM
Brushed Motor ESC using PIC12F675 microcontroller
Building A Robot: Motor Control
Building your own Simple Laser Projector using the Microchip PIC12F683 Microcontroller
CD-ROM BLDC motor controller using PIC18F4550 and L293D
contactless tachometer circuit with code
Controlling a Servo with a PICAXE and an IR Sensor
DC motor and Fan speed control using pic 16f877 Microcontroller
DC motor and Fan speed control using Pic16f877 Microcontroller using PWM(Pulse width modulation) Technique
DC Motor Control Unit for an Old Controller.
DC Motor Control using Temperature Sensor & 8051 Microcontroller
DC motor control with Joystick and PIC16F877A
DC motor control with PIC16F84A and L293D
DC Motor Drive Circuit in Proteus ISIS
DC MOTOR INTERFACING WITH 8051 MICROCONTROLLER
DC Motor Speed Control using Microcontroller PIC-16F877A
DC motor speed control using PWM using PIC16F876
DC Motor Speed Control using PWM with PIC Microcontroller
Designing a PID Motor Controller using PIC16F876
DIGITAL SERVO MOTORS INTERFACE CIRCUIT PIC16F877
DSPIC30F2010 PWM MOTOR DRIVER CIRCUIT DRV8402
ECE 4760 Final Project: Motor Dynamometer
ELECTRIC BIKE MOTOR CONTROL CIRCUIT TC4420 PWM PIC16F819
ELECTRONIC ANTI FOULING CIRCUIT BOATS FOR SAVERS ULTRASONIC PIC12F675
FEEDBACK PWM MOTOR CONTROL CIRCUIT WITH PIC16F628 L298
First Servomotor Control Program
gsm based dc motor speed control using pic microcontroller
HIGH POWER 12V 24V MOTOR SPEED CONTROL CIRCUIT
How to interface Servo Motor with PIC Microcontroller- (Part 21/25)
How to interface Servo Motor with PIC18F4550
How to interface Stepper Motor with PIC18F4550 Microcontroller- (Part 13/25)
IC-Based H-Bridge Tutorial
Interfacing DC Motor with 8051 Microcontroller
Interfacing DC Motor with PIC Microcontroller using L293D

Interfacing Servo Motor with PIC Microcontroller using MPLAB and XC8
Interfacing Servo Motor with PIC Microcontroller – MPLAB XC8
Interfacing Stepper Motor with PIC Microcontroller
IR Proximity Motor Control using PIC18F4520
Laser show for poor man using PIC18F1220 microcontroller
Low Resource Microcontroller - 3 Phase BLDC Motor Speed Controller
Mastering the Art of Proportional-Derivative Control with Pulse-Width Modulation
MIKROC EXAMPLE OF THE STEPPER MOTOR DRIVER CIRCUIT PIC16F628A
motor controller for R/C models
Multiple Servomotors
Parallel Port 3 Axis CNC Driver, Opto-Isolated, Unipolar Steppers using PIC16F876A microcontroller
PC SERVO MOTOR CONTROL WITH PIC16F84 RS232
PIC 18F4550 Motor Controller Video Project
PIC RC Motor Controller (and example lego robot)
PIC12F675 Tutorial 7: A Servo controller driving a standard servo motor using serial port command
PIC16F628 STEPPER MOTOR CONTROL LMD18245
PIC16F84A discolight effect with bass beat control
PIC16F84A PWM DC MOTOR SPEED CONTROL WITH JAL CODE EXAMPLE
PIC16F876 CONTROL OF 8 SERVOS MOTOR 5 ANALOG CHANNELS I2C BUS
PIC16F876 PWM MOTOR SPEED CONTROL
PIC16F877 STEPPER MOTOR DRIVER CIRCUIT CCS C
PIC16F877A DC MOTOR CONTROL CIRCUIT LCD DISPLAY
PIC18 Pulse Width Modulation (PWM) DC Motor Speed Controller with the RPM Counter Project
PIC18F4520 UNIPOLAR STEPPER MOTOR DRIVER CIRCUIT
PIC18F4550 CONTROL STEPPING MOTOR VIA USB INTERFACE DELPHI
PICMICRO PIC18 PIC16 DC SERVOMOTOR APPLICATION
PICMICRO THE SERVO MOTOR SERIAL PORT CONTROL PROJECT
PID MOTOR CONTROL CIRCUIT PIC18F2550 LABVIEW
PWM DC Motor Controller for PIC12F683
PWM DC Motor Speed Controller Circuit Using PIC16F877A Microcontroller
PWM MOTOR AND POWER CONTROL WITH PIC16F84
PWM MOTOR CONTROL CIRCUIT HPWM PIC16F876 FREQUENCY MODULATED
PWM MOTOR CONTROL CIRCUIT PIC12C509
Remote Controlled Rolling Shutter
Servo motor control by Microcontroller PIC16f877 and MATLAB GUI
Servo Motor Control by using Microcontroller PIC16F877A
Servo Motor Control using Microcontroller PIC16F877A
Servo Motor Controller using PIC12F629
Servomotor-based mobile robot control
Simple manual control of stepper motors without a PIC or PC
SOLAR TRACKER-1 using PIC12F629 Microcontroller
Speed control of DC motor by PWM in Proteus simulation
Speed Control of DC Motor using Microcontroller by using PWM ECE Project
Speed Synchronization of Multiple Motors In Industries using PIC Microcontroller
STEPPER MOTOR CONTROL CIRCUIT WITH PIC16F84A MOSFET
Stepper Motor Control using 8051 Microcontroller
Stepper Motor Controller using PIC16C84
Stepper Motor Controller using pic16f628a
Stepper Motor Drive Circuit in Proteus ISIS
Stepper Motor Driver using PIC18F4550 Microcontroller

Stepper Motor Driver using PIC18F4550 Microcontroller
STEPPER MOTOR DRIVER WITH PIC16F628A L297 L298 CIRCUIT
Stepper Motor Interface PIC16F
STEPPER MOTOR INTERFACING WITH 8051 MICROCONTROLLER
Stepper Motor Speed Control with PIC18F4550
THREE-AXIS STEPPER MOTOR DRIVER CIRCUIT WITH PIC12C508
Touch-A-Sketch
Unipolar Stepper Motor Control Circuit with PIC16F877
Unipolar Stepper Motor Control Example with PIC12F1822 Microcontroller
Unipolar Stepper Motor Control From IR Remote Control Using PIC18F4550
USB:- DC Motor Controller using PIC18F4550 (keyboard)
Wireless Sensor Motor Control using PIC18LF4520
Xbee Wireless Servo Control using PIC18LF4520

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00 to 99 minute timer using PIC16F628A microcontroller
1Hz Clock Generator using PIC12F675
2 Digit 99 Seconds Timer
2 Digit Counter using PIC12F629 Microcontroller
2 Digit up/down Counter using PIC16F628A
2.5 GHz Frequency counter using PIC16F870
4-digit Up/Down counter with preset, reset, hold and overflow output using PIC16F88
A DCF77 Clock with RS232 Interface using PIC16F84
A Real Time Clock IC (DS1307) project using the PIC micro.
A Word Clock using PIC16F877 microcontroller
Alarm Clock Retrofit using PIC16F877
Alarm Clock using PIC16F74 microcontroller
Analog Digital Clock
Big 7-segment Digital Clock
Build a digital clock with its digits levitating in the air using PIC16F84
CLOCK THERMOMETER CIRCUITS WITH PIC16F628 PICBASIC PRO
Countdown Timer using PIC16F690 microcontroller
Countdown Timer using PIC16F84 microcontroller
Darkroom Timer using PIC16F84 microcontroller
DCF77 clock-thermostat using PIC16F648A
DIAL ALARM-1
Digital & Binary clock with thermometer & hygrometer
Digital alarm clock using PIC16F877 microcontroller
DIGITAL CLOCK CIRCUITS
Digital clock ds1307 using PIC microcontroller
Digital Clock Using Microcontroller 89C52/89S52
Digital Clock using PIC Microcontroller and DS1307 RTC
Digital Count Down Timer using PIC Microcontroller
Digital Thermometer and Clock Project (Version 1.0)
DIY Digital Clock with Temperature Display using PIC Controller
Gear Clock using PIC16F676 Microcontroller
GPS-based universal clock generator using PIC16F628
Hard Drive Clock using PIC16F628
HC08 Fan Timer using pic microcontroller

High Intensity Interval Training (HIIT) Timer
Homemade Scope Clock DG7 tube and PIC16F876
How to use Timers in PIC18F4550 Microcontroller
IK3OIL 16F84 PIC Frequency Counter Files
IN-8 single nixie tube clock using PIC16F84
Infra-Red Panel Timer
Interfacing Real Time Clock (RTC) DS1307 with PIC Microcontroller
Internal Oscillator Recalibration Utility for PIC12F629
Lab 3: Four bit binary counter using PIC16F688
Lift Counter using PIC12F629 Microcontroller
Long Period Astable Timer using PIC12F629
Making a binary clock using a PIC Microcontroller
Making a binary clock using a PIC16F88
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MICROCONTROLLER GSM ALARM AND CONTROL CIRCUITS
Miniature Real-Time Controller using PIC16F84
Multimeter Clock
New Earth Time (NET) digital clock in recycled retro-modern case using PIC16F627A
New Earth Time digital clock in recycled retro-modern case using PIC16F627A
PCF8573P I2C Real Time Clock
PIC 18F4550 Timer And Interrupt Example Video Project
PIC Based Oscilloscope Clock
PIC based WWVB clock
PIC Countdown Timer using PIC16f84a
PIC Industrial and Domestic Timer (Relay Controller)
PIC Microcontroller timer Video Project
PIC12F675 timer0 code and Proteus simulation
PIC12F675 timer1 code and Proteus simulation
PIC16CXXX real time clock electronic project
PIC16F84 Digital Clock / Silent Alarm
PIC16F84A timer0 code and Proteus simulation
PIC16F877 based digital clock using LCD display (Code+Proteus simulation)
PIC16F877 stop watch code and Proteus simulation
PIC16F877 timer0 code and Proteus simulation
PIC16F877 up down counter code and Proteus simulation
Precision Delay Timer for PIC16F628A
Programmable digital timer switch using a PIC16F628A
Programmable relay switch using PIC MCU (revised version)
Reaction Speed Timer
Real Time Clock (RTC) Interfacing PIC18F
Real Time Clock Circuit using Mircocontroller
Rubidium Atomic Clock
Seven Segment Multiplexing using PIC18F4550 Microcontroller
Simple RF/Microwave Frequency Counter using PIC16F876A
The Weeder Frequency Counter using PIC16F84
Time Display unit for a GPS module using pic microcontroller
Understanding Timers in PIC Microcontroller with LED Blinking Sequence
Video Clock Superimposer using PIC16C711

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A brief overview of Allegro ACS712 current sensor using PIC16F1847 (Part 2)
A Digital temperature meter using an LM35 temperature sensor
About the Temperature Sensor using pic microcontoller
AIR BASS
Analog to Digital Converter Using PIC16f877A Microcontroller - Beginners Guide using pic microcontoller
AquaCont - Aquarium Control using pic microcontroller
Assembly Instructions for the µMD1 using the Digilent chipKit DP32
Automatic control of street lights
Build your own Wireless Network detector using PIC12F629
CCS LM35 TEMPERATURE SENSOR EXAMPLE WITH PIC16F877 LCD
CITROEN Saxo Vehicle Touch Sensitive switches using PIC16F84A
contruction of personal Radar System using PIC MIcrocontroller PIC18f452
DHT11 Interfacing with PIC12F1822 microcontroller
DHT22 Low Cost Humidity Sensor using PIC18F25K20 with Proteus Simulation
Digital humidity sensor using PIC microcontroller
Digital Thermometer using PIC Microcontroller and LM35 Temperature Sensor
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DTMF Touch Tone Decoder Using Microchip PIC Microprocessor using PIC12F683
EEG Error Correction Interface
Frequency Detector using PIC 12F683 Processor
Gas Detection and PPM Measurement using PIC Microcontroller and MQ Gas Sensors
Heart beat pulse sensor interfacing with pic microcontroller
Heart rate measurement from fingertip
Heat Control System using pic-microcontroller
How to Create a Garage Door Proximity Sensor
How to work with inbuilt ADC Module of PIC18F4550
Humidity and temperature measurements with Sensirion’s SHT1x/SHT7x sensors using PIC18F2550 (Part 1)
Humidity and temperature measurements with Sensirion’s SHT1x/SHT7x sensors using PIC18F2550 (Part 2)
I2C COMMUNICATION WITH PIC MICROCONTROLLER
Infrared IR Sensor Interface with PIC18F4550 Microcontroller
Interfacing PIC16F877A with DHT11 (RHT01) sensor Proteus simulation
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Interfacing Temperature Sensor with Microchip PIC16F876A
Introducing Easy Pulse: A DIY photoplethysmographic sensor for measuring heart rate
Ionization Smoke-Detector With Programmable Calibration
IR-Sensor Circuit and Interfacing with PIC Microcontroller
LM35 SENSOR HEATER CONTROL PIC16F877 THERMOMETER
LM75 Temperature Sensor with 7 segment display output using PIC16F628
Make your own motion sensor alarm with SMS feature using PIC18F2550
MCU controlled Bluetooth automation with infrared sensor
Measurement of temperature and relative humidity using DHT11 sensor and PIC microcontroller using PIC16F628A
Motion detection alarm using a PIR sensor module with a PIC12F635
MOTION SENSOR USING PIR SENSOR MODULE WITH PIC MICROCONTROLLER AND WITHOUT MICROCONTROLLER
Nike+iPod reverse engineering (protocol too) using pic microcontroller
Obstacle Sensing Walking Stick for Visually Impaired Persons : Block Diagram
PIC Based Imaging Sonar using PIC16F84 microcontroller

PIC16F84A + DHT11 Proteus simulation
PIC16F84A + DHT22(AM2302, RHT03) sensor Proteus simulation
PIC16F84A Gas Detector using GH-312 sensor
PIC16F88 HUMIDITY CONTROL CIRCUIT SHT11
PIC18F452 INFRARED RADAR CIRCUIT GP2D120 SENSOR
pic18f458 Microcontroller based Solar Recorder
Programmable IR remote control using PIC16LF877
Prototyping with Microcontrollers, Sensors, and Materials
Quozl's Temperature Sensor Project using PIC12C509
Read analog values without an ADC using PIC12F675 microcontroller
Roll and Temperature sensor applications using PIC18F2550
Sensored brushless DC (BLDC) motor control with PIC16F877A microcontroller
Single-Axis PIC Controlled Solar Tracker DIY Kit
Sonar range finder using PIC16F88 Microcontroller
TEMPERATURE FAN CONTROL LCD SCREEN TCN75 SENSOR PIC16F84A PICBASIC
Underground locator generator for Radiodetection using PIC16F628
USE ADNS2610 OPTICAL MOUSE SENSOR PIC18F4550 USB
Using Easy Pulse mikro with MPLAB Xpress board
Water Level Indicator and Controller using PIC Microcontroller
Whistle Key Finder using PIC12F629
WINAMP TOUCH SENSOR INTERFACE AD7142ACPZ USB HID PIC18F2550
Wireless PICAXE-based water tank level sensor
WITHOUT USE ULTRASONIC SENSORS PARKING SENSOR CIRCUITS PIC12F675

Audio and Sound 69 projects

12V Audio Power Amplifier using TIP35C – Class A Amplifier
A recording studio for the PIC32
A simple spectrum analyzer using dsPIC30F4011
Alchemist Forseti APD15A RC Integrated amplifier
ARM LPC2138 MICROCONTROLLER BASED DIGITAL AUDIO PLAYER
Audio CRO using PIC12F675 Microcontroller
Audio Spectrum Analyzer
Audio spectrum analyzer on PIC32 using pic microcontoller
Audio spectrum analyzer using PIC18F4550
Bluetooth-Controlled Guitar FX Amplifier
Build a musical EKG with the Freescale FRDM-KL05
Build Your Own Guitar Distortion Pedal Circuit
Circuit design and electronics using pic-microcontroller
Create Musical Tone using PIC Code
DAC MCP4921 Interfacing with PIC Microcontroller PIC16F877A
DIGITAL TONE CONTROL CIRCUIT WITH PIC16F877 LM1036
Driving a piezo speaker with a PIC using pic-microcontroller,
DSPIC30F2012 ELECTRONIC STETHOSCOPE AMPLIFIES
Echo Mp3 DIY Audio player using PIC18F46K20
Echo MP3 player using PIC18LF452
eDrum - Trigger MIDI Converter using PIC16F877
Electronic Flute
ELECTRONIC PIANO USING PIC MICROCONTROLLER (PIC18F4550)
FRAMEWORK FOR USB PIC18F4550 GENERIC HID VISUALSTUDIO

Guitar Hero MMMMDCCLX
High Power LA4440 Double IC Stereo Audio Amplifier with Bass and Treble Control
How to Generate Sound using PWM with PIC Microcontroller- (Part 22/25)
How to set up your B&W Zeppelin Air
How To Use PIC Microcontroller For Voice Input And Output- (Part 23/25)
ISD2560 Voice Recording Playback Project PIC16F84 Controlled
LED-Guided Piano Instruction using pic microcontoller
LM386 based stereo audio amplifier with digital volume control
LM386 based stereo audio amplifier with digital volume control using PIC18F2550
MIDI Chord Button Keyboard Using PIC18f4620 part 1
MIDI Chord Button Keyboard Using PIC18F4620 part 2
MIDI Chord Button Keyboard Using PIC18F4620 part 3
MIDI-Controlled Analog Music Synthesizer
Music player built on microcontroller AT91SAM7S256 with ARM core
NJM2035 - HI-FI Stereo Encoder / Multiplexer using pic microcontoller
One-chip sound player.
PIC microcontroller based fastest finger press quiz buzzer project
PIC MicroController Volume Adjuster Program(Proteus 8 Stimulation)
PIC MICROCONTROLLER-CONTROLLED ELECTRONIC PIANO PROJECT
PIC sound player (PCM to PWM converter) using PIC18F1320
PIC16F84 MULTI SIREN SOUNDS CIRCUIT
Project Ryu Lagger Guitar Pedal Take 3 using pic microcontoller
Project Ryu Lagger – Guitar Effect
Record+play fast 1bit sound on a PIC!
RINGTONES CIRCUIT PIC16F84A POLICE, AMBULANCE, MORSE SOUNDS
SAAA1057 BH1417 15W FM STEREO MULTIPLEX PIC16S819 CONTROL
SD/SDHC CARD SOUND RECORDER
Shrieker using PIC16F676 Microcontroller
Simple 2x32 Watt Audio Amplifier with TDA2050
SIMPLE ELECTRONIC PIANO WITH PIC16F84A
SIMPLE MELODY CIRCUIT WITH PIC16F84A DO-RE-MI-FA
SMART STATION
Sound Localization
Soundtrack using PIC16F688 Microcontroller
SPATIAL AUDIOMAP
Spectrum Analyser
Stereo Audio Pre-Amplifier Circuit with Bass and Treble Control using Transistors
TDA7318 SURROUND SOUND SYSTEM TDA8567Q AMPLIFIER PIC16F628A CONTROL
The Annoy - A Tiny Intelligent Buzzer using PIC10F202
The Sound Designer - A Portable Digital Synthesizer
The Super-Simple pocket size mp3 player using PIC16LF877A
Treslie – A 3-phase speaker system for Leslie emulation using PIC18F26K20
Voice controlled wheelchair
Wave audio player using PIC16F887 microcontroller
Wave player using PIC18F4550 microcontroller

Games and Entertainment 67 projects

3-D Game on LED Cube with PIC32 Microcontroller
4 PLAYER PONG GAME PIC18F4550

A memory game using a PIC16F84A microcontroller
A video game with software generated video signal !
Autonomously Hovering Quadcopter
Boids, Predators, Joysticks, and Friends
Building the PIC16F84 based game system
Candle Simulator using PIC12F675 microcontroller
Christmas card with inbuilt retro video game for under $10
Co-op Virtual Reality Maze: ECE 4760
Color Globe using PIC16F688 Microcontroller
DMX-512 RGB LED Wash Light Control Board using PIC16F688
ECE 4760 Final Project: TKButtons
ECE 4760 Glove Controlled Tilt Maze
EMG Signal Controlled Game
EOG-Controlled Video Game
Final Report - VGA Video Game
Frankenbear Synthamajig using PIC16F877 microcontroller
Fun with PCBs
Fun with Voltage Regulators
Groovy Times
Hacking the Xbox CONTROLLER
HAPPY BIRTHDAY using PIC12F629 Microcontroller
Having fun with HC08 using pic microcontroller
Interactive Blitz Chess: A Physical Blitz Chess Board Powered with PIC32
IoT Hand Gesture Video Control
Joy Stick Controller using PIC12F629
LED Cube with SnakeGo
Life Size Operation Game using PIC16F877 microcontroller
Max the Spider - powered by LEGO and PIC microcontroller
MicroSimon
Mini F1 race track Grid Start Lights using PIC12F627A
MINIATURE ARCADE GAME COLLECTION
Minidot 2 - The holoclock using PIC16F88 microcontroller
MUSIC BOX using PIC12F629 Microcontroller
One Chip Video Poker using PIC16F628 microcontroller
Persistence of Vision (POV) Dino Game
PIC BALL MACHINE
PIC Game System
Pic RGB color generator using PIC12F629
PIC-Tetris
PIC10F200 MAUS MODIFICATION FOR THE GAME CONSTANTLY KEYPRESSES
pic12f675 Microcontroller 8-PIN PONG
PIC16F84 MICROCONTROLLER VIDEO GAME CIRCUIT (TETRIS, PONG)
PIC18F2550 8 AXIS JOYSTICK FOR FLIGHT SIMULATOR
PIC32 Gaming Console w/ Rapid-Developing Engine
PIC32 Racing Game
POV Toy
Project - VR Sword Defense Video Game
Remote controlled led dice using PIC12F629 microcontroller
REMOTE DIGITAL VIDEO SELECTOR WITH PIC16F628 CCS C
Scalextric Sport Race Start Controller using PIC16F627A

Semi-Automatic NERF Longshot
Stroop Game using PIC16F628 Microcontroller
SX Game System
SX-Pong
SX-Tetris
TETRIS GAME CIRCUIT WITH PIC18F4520
TFTanks
The Ultra-QP An Ultrasound QSO Party Rig Fun & Educational!
TIC TAC TOE game using PIC16F628
Two-Player Boids Game With Laser Pointer Controllers
Virtual Game System - A game console with a mechanically scanned display.
Virtual Pong.
Virtual Tetris
Voice Controlled Dino Game
Whack-a-Button

Temperature Measurement 58 projects

12F675 Tutorial 5 : A Temperature data logger using PIC EEPROM. using pic microcontroller
7 Segment Clock With Temperature Display [ds18b20 and 5 Digit Display]
A Beginner’s data logger project using PIC12F683 microcontroller
ADC0831 8051 LM35 TEMPERATURE CONTROL WITH LCD SCREEN
AT90S2313 COMPUTER SUPPORTED PID TEMPERATURE CONTROLLER
Automated Room Temperature Monitoring System using Microcontrollers
Automatic Temperature Control System using PIC Microcontroller – XC8
Basic Microcontroller Use for Measurement and Control
CARLETON PROJECTS
Crafting a Microcontroller-Based Temperature Monitoring System
DHT22 (AM2302) Digital Humidity and Temperature Sensor Proteus Simulation
Digital Thermometer Using PIC16F688 microcontroller
Digital Thermometer using PIC16F877A and LM35
Digital thermometer with auto saving log file in excel by Pic microcontroller
Display temperature on Graphic Liquid Crystal Display using PIC16F877A Microcontroller
Double sensor interface Indoor/OutdoorThermometer using PIC16F877A Microcontroller
DS1820 TEMPERATURE SENSOR CIRCUIT PIC16F84 ASSEMBLY
ENCODER, ANGLE MEASUREMENT CCS C PIC16F628 SAMPLE APPLICATION
Green house intelligent control system
HEATER CONTROL CIRCUIT PID RTOS CCS C PIC18F2550
INCUBATOR TEMPERATURE REGULATOR
Intelligent Fan Controller. Part 1 - Schematic using pic microcontoller
Interfacing DHT11 with PIC16F877A for Temperature and Humidity Measurement
Interfacing LM35 temperature sensor with PIC18F4550 microcontroller
IOT Based Temperature data logger using esp8266 and pic microcontroller
IR Digital Thermostat for FAN
LM35 PIC16F877 TEMPERATURE MEASUREMENT AND GRAPHIC LCD MENU DESIGN
LM35 TEMPERATURE SENSOR CCS C PIC18F452 APPLICATION
Low cost temperature data logger using PIC and Processing
Low power temperature data logger using PIC18F27J53
Measure Temperature With an LM35
Measuring Temperature using LM74 temperature sensor by Texas Instruments and Pic18f452 Microcontroller

Online Monitoring of Temperature of Conductors Using Zigbee and GSM
PIC Projects: Digital Temperature Controller
PIC16F84 AND DS1621 TEMPERATURE CONTROL CIRCUIT
PIC16F84 DS1920 SCROLLING TEMPERATURE DISPLAY MAX7219 CCS C
PIC16F84A Temperature Controller
PIC16F877A-Based Temperature Monitoring System
PIC18F452 CCS C RF HUMIDITY TEMPERATURE CIRCUIT (ADDITION TO CALENDAR, CLOCK)
Precision Temperature Monitoring in Boiling Water with PIC Microcontroller
Refregirator Temperature Controller Project (Save Your Electricity Bill)
Search Results for: Temperature Controlled Fan using 8051 Microcontroller ...
Simplest Temperature Data Logger using PIC12F683
Single Chip Temperature Data Logger
SKIN TEMPERATURE MEASUREMENT
Temperature and relative humidity display with adaptive brightness control
Temperature controlled fan using PIC 16F877A
Temperature controlled fan using PIC 16F877A
Temperature Indicator using PIC microcontroller
Temperature Recorder using PIC12F683 microcontroller
Temperature sensor using PIC16F877A microcontroller
The Microchipoptera Project
Thermistor Respiratory Monitor
THERMOCOUPLE READING CIRCUIT PIC16F877
Top PIC Microcontroller Projects Ideas
Voltage, Temperature & Frequency Meter With PIC Micro controller
Weather meter using PIC 16F877 Microcontroller
XBee Based Temperature and Gas Monitoring System Using Pic Microcontroller

Home Automation 56 projects

8 Channel IR Remote Control
A Programmable Home Automation System
Android App Home Automation via Bluetooth Using PIC16F628A Microcontroller
APPLICATION OF MICROCONTROLLER IN AUTO DETECT DOOR OPEN AND PAPER JAM ERROR using pic microcontoller
Automated Railway Gate Controlled by PIC16F877A
Automatic door lock system using 8051(89c51,89c52) microcontroller
Automatic door opener with PIC12C508 Circuit
Automatic street light control by pic microcontroller
AVR32 Development Board at Home
Balanced Line Attenuator
Bicycle Persistence of Vision Light Display -- February 2007
COFFEE POWER MANAGER using PIC16F628
COMPUTER CONTROLLED HOME AUTOMATION CIRCUIT PIC16F877 CCS C VISUAL BASIC
COMPUTER CONTROLLED SMART HOME PROJECT WITH PIC16F873
Cooking Timer using PIC16F819 microcontroller
Design and Development of an Automated Home Control System Using Mobile Phone
DIY remote control based on PIC16F628
Esp8266 based home automation system using wifi
FTS-8 subtone encoder
Granular Flow Rotating Sphere using pic-microcontroller

GSM Voice Dialer with Automation Control using PIC18F46K20-I/PT
Happy Little Mixer
Home Automation and Safety via GSM Remote
Home Automation and Security System using Microcontroller ATMEGA8 with Arduino Programming
Home Security System with GSM Using 8051 Microcontroller
How to build a Simple Solar Powered Automatic Garden Light
IKEA Mood-light Conversion using PIC12F683P
IoT based Web controlled Home Automation using PIC Microcontroller and Adafruit IO
IOT Home Automation
Ir Light Dimmer v.1 adjusting lights with remote controller using PIC12F629
IR On/Off Switch Using Microcontroller
IR Remote Controlled Home Automation Using PIC Microcontroller
IR(infrared) Remote Control Relay Board with PIC 12F675 Microcontroller
Leaving home light using PIC12F675 Microcontroller
Microcontroller controlled Home Entertainment System
MintLite Part I
Night Light Saver V3.2 using PIC12C508
Password controlled sliding door with SMS alert by pic Microcontroller
Peltier-Powered Drink Cooler!
PIC Frequency Counter with Frequency Lock function
PIC16C63 Midi controlled Light dimmer
PIC16F827 REMOTE CONTROLLED RGB LIGHT BULBS LAMP PROJECT
PicKit2 Clone Designed and Manufactured at Home
RC5 remote control using PIC12F629
Smart Button using PIC10F microcontroller
Smart doorbell System
SMS Based Device Control using GSM Modem
STEAM GENERATOR using PIC16F873
Telephone operated remote control using PIC16F84A microcontroller
The VGA Test Box using pic18f452 Microcontroller
Tv remote controlled home automation system
Voice Activated Power Sockets (Home Automation)
Water Filter Controller
Weather station using PIC18F452 Microcontroller
Wireless controlled lightdimmer using PIC12F629
Wireless Home Appliance Controller Project

Sample Code Library **40 projects**

Analog to digital 8 bits For CSS Compiler
Analog to dugital 8 bits For Basic PRO Compiler
Basic input-output For Basic PRO Compiler
Basic input-output For CSS Compiler
Basic Toggle Control For Basic PRO Compiler
Basic Toggle Control For CSS Compiler
External interrupt For Basic PRO Compiler
External interrupt For CSS Compiler
Forverse - Reverse Control For Basic PRO Compiler
Forverse - Reverse Control For CSS Compiler
I2C bus for 24LC16 For Basic PRO Compiler

I2C bus for 24LC16 For CSS Compiler
I2c bus for ds1307 For Basic PRO Compiler
Increment-decrement value For Basic PRO Compiler
Lcd Module Display 1 line For Basic PRO Compiler
Lcd Module Display 2 line For Basic PRO Compiler
LCD Module Display 2 line For CSS Compiler
LCD Module Display 4 line For CSS Compiler
Matrix scankey 3x4 for Lcd 2 line For CSS Compiler
One wire bus (DS1820) Control For Basic PRO Compiler
One wire bus (DS1820) Control For CSS Compiler
Output bit For Basic PRO Compiler
Output Blink port For CSS Compiler
pulse width moduration(PWM) for lcd 2 line For Basic PRO Compiler
Seven segment _2digit_anode For Basic PRO Compiler
Seven segment _2digit_anode For CSS Compiler
Seven segment _2digit_cathode For Basic PRO Compiler
Seven segment display 1 digit For Basic PRO Compiler
Seven segment display 4 digit For Basic PRO Compiler
Seven segment display 4 digit For CSS Compiler
Seven segment display 4 digit for shift 595 For Basic PRO Compiler
Seven segment display 4 digit for shift 595 For CSS Compiler
Shift left - shift right value For Basic PRO Compiler
Shift left - shift right value For CSS Compiler
Sound frequency For Basic PRO Compiler
Sound frequency For CSS Compiler
Stepping Motor Control For CSS Compiler
Timer 0 mode timer For CSS Compiler
Wye-delta Motor Controll For Basic PRO Compiler
Wye-delta Motor Controll For CSS Compiler

Wireless 38 projects

AT89C51 SQUARE WAVE SIGNAL GENERATOR
Automatic Signal Transformer and Custom Filter Designer
BA1404 HI-FI Stereo FM Transmitter 88 - 108 MHz usnig pic microcontoller
Bluetooth Wireless Voltage Meter using Wiimote + Pic Chip + AutoIt
CONTROL OF SATELLITE ANTENNA WITH PIC16F877
Counting Signal Rising and Falling edge using Pic Microcontroller Timer-0
ESP32 ADXL345 DATALOGGER WITH GPS_EXT RAM_EXT_RTC
GPS based speedometer using pic microcontroller
GSM Based Digital Wireless Notice Board Using PIC16F877A Microcontroller
GSM/GPS VEHICLE GEOGRAPHICAL TRACKER
How to work with inbuilt Analog Comparators of PIC18F4550- (Part 12/25)
Infrared Remote Control with Microcontroller
Intelligent Sips: Revolutionizing Dining with the SmartCup
IR Remote Controlled Home Automation using PIC Microcontroller
IR RF TRANSCEIVER CIRCUITS 8 CHANNEL REMOTE CONTROL
IRMimic2™ Trainable IR Remote Control Transmitter with Macros
LPC2138 ARM MICROCONTROLLER GENERATES VGA SIGNALS
Make a Wireless Thermometer with a PIC Microcontroller

PIC based wireless temperature and heartbeat read-out
PIC IoT WG Development Board Review – What's new and How to Get Started with it
PIC12F1822 + DS3231 + Remote Control
PIC32 Realtime Network Audio
R/C Controlled Switch for Drones
RC5 Protocol Remote Control Decoder
Remote Control Server
RFM12 - Wireless Transceiver Module Demo using pic microcontoller
SIGNAL GENERATOR CIRCUIT PIC16F88 JAL CODE EXAMPLE
Talk:Wireless Affective Devices using pic microcontoller
Top 5 Wireless Ways to Communicate with your Controller
Transform Your Home into a Smart Haven with DIY Wireless Automation
Universal Serial Infrared Receiver. using pic microcontoller
Wireless Communication Using Cheap 433MHz RF Modules and Pic Microcontrollers. Part 2
Wireless Doorbell Receiver
Wireless Doorbell Transmitter
wireless electronics notice board using gsm with code
WIRELESS OXIMETER USB PC INTERFACE PIC16F876 MEASUREMENT
Wireless Radio Frequency Module Using PIC Microcontroller.
Wireless UART

Phone 34 projects

0-9999 COUNTER CIRCUIT WITH PIC16F84A PICBASIC PRO
Alarm Phone Dialer with MT8880 and PIC 16F84A
Blimp-F-O is a remote-controlled flying machine designed with a PIC32 microprocessor.
Caller Line Identification (CLI) using PIC16F628A
Cell Phone Detector
CELLPHONE OPERATED LAND ROVER
CM8870 REMOTE DEVICE CONTROL VIA TELEPHONE DTMF PIC16F628
DTMF Phone Dialer using PIC16F690
eLab Hackerspace GSM Access Control System
FM RDS Tuner Module for mobile applications using PIC18F46k20
Green Charger
GSM based home devices control system
GSM module Interfacing with PIC Microcontroller - Make and Receive Calls
Incredible DIY iPhone Macro
Interfacing PIC16F84A with SD card
Introduction to Microchip PIC Assembler Language – Part 1
Localizer with SIM908 module using PIC18LF6722
LPC2138 ARM ENC28J60 MICROCONTROLLER SMS
MMC/SD Card raw data read with PIC16F887 microcontroller
MPPT Based Charge Controller Using Pic Microcontroller
NOKIA3310 LCD PIC16F88 RESISTOR COLOR CODE CALCULATOR CIRCUIT
Packing power into smaller spaces
PIC16F877 CELL PHONE CALL DRUG USE MONITORING SYSTEM
PIC24F SD CARD READER CIRCUIT IMAGE FRAME NOKIA 6100 LCD
PIC24FJ64GA002 CELLULAR PHONE EMERGENCY AUTO DIAL
PROTEUS ISIS 3310 LCD LIBRARY PICBASIC PRO, CCS C APPLICATION
Read text files from FAT16 SD card with PIC16F887

Receive sms gsm module using pic microcontroller
SMS Box project using PIC16F877A Microcontroller
SUN TRACKER'S WINGS
TAXI PHONE
The Cell Phone Drone
Tiny GSM alarm system using PIC16F84A
Two way Simple Very Small Telephone Exchange

Battery 29 projects

9 Volt Battery Charger
Automatic Charger Sharing for Motorcycle Battery Charger using PIC16F628A
Automotive Voltage Monitor using PIC12F683
BATTERY CHARACTERIZER using PIC18F252
BATTERY CHARGE CIRCUIT 12V 12AH
Car battery charger with PIC12F683
DIY, Microcontroller-Based Battery Monitor for RC Aircraft
Grid Powered Battery Charger - The Plans using PIC16F676
HAND DRILL BATTERY CHARGE CONTROLLER WITH PIC16F88 MICROCONTROLLER
Heavy duty portable charger for usb devices (phones, iPad, etc.) using PIC12F683
Intelligent NiCd/NiMH Battery Charger using PIC16C711
Iron in the Fire II
MICROCONTROLLER CONTROLLED LCD SCREEN BATTERY CHARGING CIRCUIT PICBASIC PRO
NEGATIVE DELTA-V BATTERY CHARGING CIRCUIT LCD DISPLAY PIC16F876
NICD NIMH BATTERY CHARGING CIRCUIT PIC16F876 DELTA-PEAK
NIMH AND NICAD BATTERIES FAST CHARGER CIRCUIT WITH PIC MICROCONTROLLER
NIMH NICD BATTERY CHARGER CIRCUIT PIC16F877 PIC16F876
PIC 12F675 Programmable 12V Battery Monitor
PIC based UPS Schematic / Firmware / PCB Layout
PIC RGB Power Board using PIC12F629 microcontroller
PIC12F629 Lead-Acid Battery Desulfator
PIC16F690 BQ2018 BATTERY MONITOR CIRCUIT
PIC16F877 BATTERY VOLT METER ADC PROTON IDE EXAMPLE
PIC16F88 12V SLA BATTERY CHARGER CIRCUIT
Simple Battery Level Indicator using Op-amp
SOLAR BATTERY CHARGE CIRCUIT PIC16F88
Tiny AVR Microcontroller Runs on a Fruit Battery
Ultra low cost solar-rechargeable persistence of vision display using PIC10F206
Worlds Most Useless Machine Rebuild

Video - Camera - Imaging 28 projects

2-Axis Gesture-Controlled Camera Platform
3-DOF Self-stabilizing Quadcopter Frame or: How We Learned To Stop Trying and Not Build the Drone
Autonomous Drone
Autonomous Smart Suitcase Pixy Camera!
Crossed IR Beam Camera/Flash Trigger
ECE 4760 Final Project: 3d lidar imaging system
How to generate video signals in real-time using a PIC16F84
Infrared Camera on the PIC32
Introduction to the PIC32 using pic-microcontroller

LEGO Nikon IR Remote
Marantz CD63SE laser transport mechanism replacement
MICROCHIP TECHNICAL LIBRARY CD-ROM
NU32: Introduction to the PIC32 using pic-microcontroller
Photo film processor
Photomultiplier Tube (PMT) Controller Circuit B using pic-microcontrolleroard
PIC PAL Video Library using pic18f4620
PIC24F64GA002 VIDEO REMOTE ENVIRONMENTAL MONITORING ENC28J60 TCPIP STACK
PICs in Space
Repair of Arcam CD73 laser mechanism
Servo Camera Switch using PIC12F675 microcontroller
Smart Wi-Fi Video Doorbell using ESP32 and Camera
Tejas Kulkarni's Lab Notebook using pic microcontoller
The Most Useless Machine EVER!
TV REMOTE CONTROL DECODER CIRCUIT WITH PIC16F628 VISUAL BASIC
VCR Pong using PIC16C711 Microcontroller
Video Project Development in the Midst of an Impromptu Online Semester
VIDEO SELECTOR CIRCUIT NJM2246 PIC16F84 LM1881
Zeus: trigger your camera with lightning using pic microcontoller

Tutorials 28 projects

Building your first PIC project flashleds using Free MPLAB
Button Debouncing using PIC16F84 Microcontroller
Counting on the 7-segment display
EasyEDA features for Schematic and PCB design
Hee Haw Sound
Introduction To The PIC Microcontroller Talk video tutorial
LightKit: Pic Spoon Feed Model Railroad Lighting with Pic 12F683 12F690 and Pickit2 Video Tutorial Series
Macro Techniques using PIC16C711 Microcontroller
Microchip PIC16F877 Microcontroller using pic-microcontroller
MICROCONTROLLER UART TUTORIAL using pic microcontoller
PIC Microcontroller Unit(PIC16F877A)
PIC Microcontroller Video Tutorial Series
PIC Microcontrollers by Milan Verle
PIC12F675 Microcontroller Tutorial
PIC12F675 Tutorial 3 : PIC Serial Port
PIC12F675 Tutorial 4 : Making an LM35 temperature recorder
PIC12F675 Tutorial 5 : A Temperature data logger using PIC EEPROM
PIC12F675 Tutorial 6 : Driving a standard servo motor with a PIC
PIC16 Microcontrollers Video Tutorial Series
PIC18F4550 Programming and Tutorial Hardware C
PICMicro Project using PIC16F84 Microcontroller
PROTON IDE TUTORIAL PROTON COMPILER EXAMPLE
RS232 Communication using PIC18F4520's USART – PIC Microcontroller Tutorial
Starting with PICmicro controllers
The Theory of PIC Programming
Turning on a LED using PIC16F84
Whistle-On Whistle-Off
Your first PICMicro Project using PIC16F84

Internet - Ethernet - LAN 25 projects

3-Switch Mini IR Remote Control for PIC10F200
An AVR microcontroller based Ethernet device
Basic circuit for PIC18F24J50 or PIC18F26J50 to work over USB
Connect CAN Protocol with PIC
Connect Ethernet controller with PIC Code
CS2200 Intro to Systems and Networks using pic-microcontroller,
GSM based Control System by pic microcontroller
How to adapt a NES clone controller to bluetooth using PIC12F675
Infra-Red Transmitter using PIC12F675 microcontroller
Infra/radio remote control transmitter/receiver with PIC16F630
Interfacing android with pic microcontroller via Bluetooth
IR Remote Control Repeater using PIC12F629
LPC2132 PC BASED ETHERNET DATA ACQUISITION CONTROL
NETWORK EQUIPMENT RESETTER using PIC16F628
PIC16C74 EMBEDDED 10BASET ETHERNET CS8900
PIC16C74 Embedded 10BaseT Ethernet CS8900
PIC16F84 SIMPLE PICMICRO WEB SERVER
PIC16F877 ISA ETHERNET WEB SERVER PROJECT
PIC16F877 ISA Ethernet Web Server Project
PIC18 Development Board With Ethernet and USB
Power Pic RGB with Infrared remote control using PIC12F675
SPI to 4 x UART Bridge (MULTIUART)
Universal Serial Infrared Receiver using PIC16F88
WEBSD using PIC24F microcontroller
Wireless 10 channel receiver using PIC16F630

Security - Safety 24 projects

4 ALARM SOUNDS using PIC12F629
A PIC-Based Temperature Alarm using PIC16C84
CENTRAL SECURITY SYSTEM WITH PIC16F877
COMBINATION LOCK FOR SAFE using PIC16F628
Contactless Digital Tachometer using PIC Microcontroller
Dialing Alarm using PIC16F628 Microcontroller
DOORBELL CIRCUIT 32 MELODY PIC16F876
Dual programmable keypad code lock using PIC18F452
Electronic combination lock based on PIC16f84
Electronic Security System With RTC and User Define Pin Code
Hand Sign Lock
Home Security Alarm System using PIC18F45K22 AND PIR Motion Sensor2
Home security system using PIR sensor and GSM module
IoT Security Platform
Keypad scanning and interfacing with PIC16f877 microcontroller
password based circuit breaker using pic microcontroller
PIC12F675 Microcontroller Based Security Alarm Circuit
PIC12F675 PC PROGRAMMABLE SECURITY SYSTEM
PROGRAMMABLE COMBINATION LOCK CIRCUIT PIC16F84
REMOTE CONTROLLED SECURITY SYSTEM WITH PIC16F628 PIC16F88
RF IR REMOTE GARAGE DOOR CONTROL PROJECTS PIC16F628 PIC16F84

SECURITY ALARM CIRCUIT WITH PIC16F877 LCD
Single button code entry for a digital lock using PIC16F628A
Solar tracking system using pic microcontroller

Radio 21 projects

1Hz - 2MHz Function Generator with XR2206 using pic microcontoller
2meter (144MHz) amateur radio transceiver
433.92 MHZ RF RELAY CONTROL CIRCUIT PIC16F84
433MHz Radio Frequency (RF) transmitter and receiver using PIC12F1822
ANTENNA ANALYZER CIRCUIT 31MHZ 1.3MHZ PIC16F873
DIGITAL PLL CONTROLLED FM RADIO CIRCUIT TEA5767 RECEIVER PIC16F628
ESP32 With RFID: Access Control
FM radio using TEA5767 and PIC16F877A micro-controller
Hidden Radio Transmitter Controller
PIC16F1847 and AR1010 Based FM Radio Music Box
PIC16F84 Based Morse Code Reader
PIC16F870 LMX2306 PLL FM TRANSMITTER CIRCUIT
PIC18F Based 6 Channel DMX Transmitter
Prometheus/Pandora's Box using PIC12C508 microcontroller
Radio Button Switch Control using PIC12F629
RDS/RBDS decoder with optional FM stereo receiver using PIC18F452
Rotary Encoder Interfacing with PIC Microcontroller
Universal RC5/RC6 transceiver using PIC16F628
Wireless Radio Frequency Module Using PIC Microcontroller
WIRELESS REMOTE CONTROL for Raymarine ST4000 Autopilot using PIC16F628
XBee radio communication between PICs using pic-microcontroller

power - energy projects 20 projects

0-30V DC VOLTAGE CURRENT POWER MONITOR
Automatic Power Factor Controller using Microcontroller
Build Your Own 5V, 1A Adjustable SMPS Using a Dead Computer ATX Power Supply
BYU researchers create world's most power-efficient high-speed ADC microchip
Design a Simple Constant Current Sink Circuit using Op-Amp
Digital Controlled Linear Power Supply
Efficient Energy Management System with Smart Grid
Electric Energy Theft Intimation System Using PIC Microcontroller
Getting Started With Proteus
High/Low Voltage Detection and Protection Circuit using PIC Microcontroller
How to Use Nuvoton N76E003 Microcontroller ADC to Read Analog Voltage
Integrating Solar Power: Microcontroller-Based Approaches for Domestic Electricity
Nixie Tube Ornament
OPEN-DESIGN CHARGE REGULATOR PROJECT
Optimizing Performance: A Guide to Stacking Precision Power Supplies
PIC16F877 ADJUSTABLE DIGITAL POWER SUPPLY CIRCUIT
Powering Your Microcontroller’s Base Project
RJ45 UTP CABLE TESTER CIRCUITS PIC16F627 PIC16F84
Single microcontroller based 12v to 230v inverter with intelligent battery charging
Solar energy measurement using pic microcontroller

How To - DIY - 19 projects

8-40 PIN DIP ADAPTER FOR MICROCHIP PIC SERIES
A new multi-function power supply unit for my Embedded Lab using PIC16F689
Another DIY function generator using PIC16F628
Breadboard module for 18-pin PIC16F microcontrollers (PCB version)
Details of PIC ICSP and how to use it for pic microcontrollers.
DIY Microcontroller - Hand Dynamometer
DIY MIDI controllers using PIC microcontrollers and Basic Stamps using pic microcontoller
How to configure EUSART in PIC18F4550
How to Implement SPI Using PIC18F4550
How to interface GPS with PIC18F4550 Microcontroller
How to interface RFID with PIC18F4550 Microcontroller
How to interpret the direction of rotation from a digital rotary switch with a PIC using PIC16F877A
How to make a Clap-Clap on / Clap-Clap Off switch circuit! using PIC10F222
How to work with External (Hardware) Interrupts of PIC18F4550
Making your own Digital Clock using PIC16F887
PIC12CE518 I2C EEPROM using PIC12CE518 with Proteus Simulation
PIC12F675 interrupt based software UART code and Proteus simulation
PIC12F675 software UART (bit banging) code and Proteus simulation
Touch Switch using PIC12F629 Microcontroller

E-Books 16 projects

123 PIC Microcontroller Experiments for the Evil Genius By Myke Predko E-book
Advanced PIC Microcontroller Projects in C By Dogan Ibrahim E-Book
Designing Embedded Systems with PIC Microcontrollers By Tim Wilmshurst E-Book
Making PIC Microcontroller Instruments and Controllers By Harprit Singh Sandhu E-Book
Mechatronics for Beginners: 21 Projects for PIC Microcontrollers By As Imam E-Book
PIC Microcontroller An Introduction to Software & Hardware Interfacing By Han-Way Huang E-Book
PIC Microcontroller and Embedded Systems By Muhammad Ali Mazidi E-Book
PIC Microcontroller Project Book By John Iovine E-Book
PIC Microcontrollers An Introduction to Microelectronics By Martin Bates E-Book
PIC Microcontrollers By Lucio Di Jasio E-Book
PIC Microcontrollers: 50 Projects for Beginners & Experts By Bert Van Dam E-Book
Programming 16-Bit PIC Microcontrollers in C By Lucio Di Jasio E-Book
Programming 8-bit PIC Microcontrollers in C By Martin Bates E-book
Programming and Customizing the PIC Microcontroller By Myke Predko E-Book
Running Small Motors with PIC Microcontrollers By Harprit Singh Sandhu E-Book
The PIC Microcontroller Your Personal Introductory Course By John Morton E-Book

PWM 15 projects

[Simple] Generating Pulse Width Modulation using PIC Microcontroller – Mikro C & Proteus Simulation
Digital DC Power supply using PWM with PIC microcontroller
Generating PWM signals on GPIO pins of PIC Microcontroller
Generating PWM using PIC Microcontroller with MPLAB and XC8
Generating PWM with PIC Microcontroller using CCP Module
Generating PWM with PIC Microcontroller – MPLAB XC8
H-Bridge Microchip PIC Microcontroller PWM Motor Controller
How To Use PIC Microcontroller For Voice Input And Output

In-Circuit debugger, created by E.E. Atanasios Melimopoulos using PIC16F628 microcontroller
PIC12F675 PWM Code and Proteus Simulation
PIC16F84A PWM code and Proteus simulation
PIC16F877 PWM (2 channel) code and Proteus simulation
PIC18F452 PWM Code and Proteus Simulation
PWM Fan Controller using PIC12F675 microcontroller
Using Serial Peripheral Interface (SPI) with Microchip PIC18 Families Microcontroller

Calculator 15 projects

8051 CALCULATOR CIRCUIT
A PIC frequency counter operating up to about 50 MHz. usnig pic microcontoller
CALCULATION OF BODY LENGTH WITH 8051 AND DS89C430
How to build a calculator using Pic16f877 microcontroller
How to interface Seven Segment Display with PIC18F4550 Microcontroller
How to make(build) a Calculator using Pic16f877 microcontroller
Interfacing Matrix Keypad with PIC Microcontroller
Leon's Mini Random Number Generator
Microcontroller's based Password Locker
PIC12F675 based simple calculator (Code + Proteus simulation)
PIC16F84A based simple calculator (Code+Proteus simulation)
PIC16f877 based simple calculator project
Project on making calculator using PIC16F877 and Mikcro C Pro
SPEED CALCULATION CIRCUIT PIC18F4680 PICBASIC
VFD Display for the TI83+ Calculator

chipKIT 15 projects

Addressable LEDs (WS2812) on ChipKIT
ChipKIT Parking Obstacle Sensor
Getting Started With the ChipKIT WF32 (LabVIEW)
How to Install ChipKIT Core
New microchip demonstrates efficiency and scalable design
NEW MICROCHIP IMPROVES FUTURE OF SELF-POWERED WEARABLE TECHNOLOGY
Programming Your Chipkit Dp32 Using the Arduino IDE
PS2 MOUSE CONTROL PIC16F726 TEST CIRCUIT
Setting Up LabVIEW to Interface With ChipKIT
Starting a Project in MPLAB X for ChipKIT Products
Uploading Firmware to Your ChipKIT Boards
Using LabVIEW LINX and ChipKIT WF32 to Control an LED Strip
Using the ChipKIT Basic I/O Shield With Analog RGB Strip LEDs
Using WS2812 LEDs With ChipKIT Max32
What Managers Can Learn From the Microchip Industry

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4-CHANNEL RF TRANSCEIVER CIRCUIT WITH PIC16F628 APPLICATION
Constellation Glasses
GPS CIRCUIT BOATS COMPUTER PIC18F4550 MICROCONTROLLER
GPS Navigator for Runners
GPS REPEATER/SYSTEMS MONITOR using PIC16F876

How to interface GPS with PIC18F4550 Microcontroller- (Part 16/25)
How to interface GSM Module with PIC18F4550 Microcontroller- (Part 17/25)
MICROCHIP PIC EXAMPLES ASSEMBLY PROJECT
Mini GSM localizer without GPS using pic microcontoller
PIC16F88 Delorme Tripmate GPS Logger
PIC18F2550 GPS CLOCK CIRCUIT BIG DISPLAY LS20031 SWORDFISHBASIC
Sending SMS Text Message using PIC Microcontroller - Flowcode
Vehicle Theft Control System by Using GSM and GPS Systems

Memory - Storage 12 projects

Chapter 1: PIC16F887 Microcontroller - Device Overview
Connect Memory Card using PIC18F4520 Code
Display BMP images from SD card on ST7735 TFT screen
DIY Datalocker
Extend PIC Microcontroller‘s RAM by without using EMI
GPS to SD-Card Data Logger using PIC16F819 microcontroller
PIC Harmonic Distortion Meter
PIC12F1840 + I2C 24FC1025 EEPROM
PIC12F675 internal EEPROM code and Proteus simulation
PIC16F84A internal EEPROM code and Proteus simulation
PIC16F877 internal EEPROM code and Proteus simulation
Ways to Select a Best Microcontroller for Microcontroller based Projects

Wifi - WLan 11 projects

16F84A VGA Test
2.4GHz WiFi & ISM Band Scanner. Part 1 - Description and Schematic using pic microcontoller
Borkbit: A Wifi-Enabled Smart Collar
DsPIC33F microcontroller based pure sine wave inverter
ESP8266 wifi module interfacing with pic microcontroller
Exploring Various Applications of Microcontrollers: A World of Tiny Brains
How to Send E-mail using PIC Microcontroller and ESP8266
Interfacing ESP8266 with PIC16F877A Microcontroller
Maximizing Wi-Fi Capabilities with the Explorer 16 Development Board
SELF ORGANIZING WIFI MESH NETWORK
WiFi Car Using NodeMCU

Medical - Health based 11 projects

A Tiny Microchip Wins Big!
Air Sampler using PIC16F690 microcontroller
ECG on your laptop using PIC16F876 microcontroller
Heart Beat Monitoring using PIC Microcontroller and Pulse Sensor
Heart rate measurement from fingertip using PIC16F628A
MEASURING HEART RATE USING A PHOTOPLETHYSMOGRAPHIC CARDIOTACHOMETER
MEASURING HEART RATE USING A PHOTOPLETHYSMOGRAPHIC CARDIOTACHOMETER using pic-microcontroller
Microchip Provides New Understanding of How T Cells React to Infections and Treatments
Microcontroller measures heart rate through fingertip
PIC16F628 MICROCONTROLLER HEART BEAT CONTROL CIRCUIT

Speech Recognition Eye Test

Bluetooth 10 projects

Blue Hunters: Bluetooth RSSI Locator Robots
Bluetooth Hydration Wearable
BLUETOOTH LE BASED LCD MESSENGER USING STM32
Bluetooth-Controlled Guitar FX Amplifier
Clicker Clone
DIY Bluetooth RC Car
MC9S08QG8 MICROCONTROLLER PROJECT WITH A BLUETOOTH-CONTROLLED ROBOT
MICROCHIP PIC BLUETOOTH COMMUNICATION RN-41
SL4A Bluetooth Controller
Bluetooth Controlled- Obstacle Avoidance Robot Car Using PIC32 Microcontroller

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Car Anti theft System Project using Microcontroller PIC16f73
CAR INFO PANEL WITH PIC16F873
Garage car detector without a microcontroller
ParkBot: The Autonomous Parallel Parking Car
PIC Based Car Battery Voltage Monitoring System
Real-Time CAN-Based Vehicle Monitoring System with PIC MCU
REMOTE CONTROLLED TOY CAR PROJECT PIC16F877 PIC16F628
Vehicle Tracking System Through GPS-GSM Modules

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CNC CONTROL INTERFACE WITH PIC12F629 AND 74HC244N
CNC Controller Motion Schematics (Rev. D) using pic microcontrollers
CNC PCB MACHINE PROJECT
Converting a Proxxon MF70 Milling Machine To CNC – 2 using PIC18F4620
Converting a Proxxon MF70 Milling Machine To CNC – 4 using PIC24FJ64GB002
Electronic Voting Machine Using PIC Microcontroller
PRECISION CNC MOTION CONTROL UNIT ENCODER, DRIVER INTERFACE PIC16F877

Software 7 projects

Embedded Engineering
Free programming software for various of the MicroChip PIC series of micro-controllers by Nigel Goodwin.
How to generate video signals in software using PIC
Howto generate color video signals in software - Introduction
Microchip Mobile Product Selector
The Boss Box Bot
USRP B205MINI-I SOFTWARE-DEFINED RADIO PLATFORM

Compilers 5 projects

Download Legacy MPLAB IDE 8 from Microchip
Download MPLAB IDE v8.92 from Microchip
How to Download MPLAB X IDE Safely
pickit 3 pinout - connection diagram

UART Example for PIC16F887 microcontroller using CCS PIC C compiler

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Intel D945GCLF Small Front Panel using PIC12F629
Keypad 4x5 for microcontrollers v. 1.1 using PIC16F877
The IR Widget Using pic12f629
Tiny PIC bootloader using PIC16F microcontroller

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RFID Car immobiliser with PIC12629
RFID Interfacing with PIC Microcontroller

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10-minute sewable iPod remote using PIC10F222 microcontroller
100KHz Square Wave generator using PIC16C84
10BASE-T1S Ethernet: Simplified OEM Design for Auto Devices
12V 100W LAMP WITH MAGNIFIER LENS DISCO EFFECT SYSTEM
12VDC TO 220-380VDC CONVERTER
18 pin PIC Development Board using PIC16F62
2 Reasons Why Financial Institutions Should Engage IT Services
200 Water Street WWVB Clock
27C128 FREQUENCY GENERATORS
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4 Ways Technology Can Improve Your Logistics Company
5 Essential YouTube Tools for Turning Your Channel Pro
5 Most Reliable PCB and Cable Manufacturing Suppliers In China
5 Simple Ways to Boost Your Business' Online Presence
5 Skills You Can Learn on a Computer Science Degree
5 Ways Technology Is Benefitting Businesses
60 SECONDS STOPWATCH CIRCUIT
7 Mistakes To Avoid When Hiring A Tech Company
7 Segment Pov 16F84
8 Bit Serial Digital to Analog (5v Range) Converter for Microcontrollers (when TTL and Resistors Is All You've Got)
8 CHANNEL 24 AMP TRIAC ANIMATION CIRCUIT PIC16F628
8051 MICROCONTROLLER UP DOWN COUNTER CIRCUIT (KEIL)
89C51 DIGITAL CLOCK CIRCUIT
A Beginner's Guide to Best Practices in a Lab
A Beginner's Guide to Mictrocontrollers
A Beginner's Guide to Home Improvements
A Comprehensive Guide to Embedded Microprocessors: Everything You Need to Know
A Comprehensive VR Disability Accessibility Design Document
A DDS Module based on the AD9835 using PIC16F84
A Guide to Cloud Computing
A Guide to the Next Phase of the Internet

A modified version of the "Air diplay" adapted to be used in a bicycle using PIC12F629 microcontroller
A pic programmer circuit based on AN589 using pic microcontoller
A PIC16F84A Alarm Clock
A Real Time Clock using PIC16F88 Microcontroller
A RGB LED Matrix Clock
A Simple Clock using DS1307 and PIC16F877A
A simple display that uses the POV to display messages in the air using PIC12F629 microcontroller
A Two-Degree-Of-Freedom Ball Balancing PID Controller
AC Lights Flashing and Blink Control Circuit Using 555 Timer and TRIAC
Adaptive Alarm Clock: Build a Smart, User-Centric wake-Up system
Advanced Voltage Monitoring and Protection via Microcontrollers and Proteus VSM
Advantages of Solar Energy and Solar Street Lights in the Modern Age
Agile Project Management Via SCRUM
AI Financial Advisors: Is the World Ready?
All You Need to Know About Circuit Breaker
Almost No Parts' 12/24hrs LED Clock using pic microcontroller
ALPHANUMERIC DISPLAY DRIVERS CIRCUIT WITH PIC16F874 HI TECH C
AMPHOMETER CIRCUIT PIC16F84 MEASURE THE SPEED
An Easy to build & multifunctional counter with 7-Segment Led Display using PIC16F628 microcontroller
Analog & Digital propeller clock using PIC16C84
Analog Devices vs. Texas Instruments: A Comprehensive Comparison
ANALOG LED CLOCK CIRCUIT AT89C2051P
Analog Ultrasound Range Finder
Android Control of Non-Arduino Based Micros, PIC Etc
ANTENNA CONTROL X-Y WITH PIC16F876 PICBASIC
AT89C51 5X7 LED MATRIX APPLICATION
AT89C51 MICROCONTROLLER ANALOG CLOCK FOR GRAPHIC LCD
AT91SAM7S64 ARM7 CLOCK CIRCUIT DS3234S OLED LED DISPLAY
Audio Equalizer / Tone Control Circuit with Bass, Treble and MID Frequency Control using Op-Amp
Augmenting a Microcontroller using PIC16F886
Aurora mini 18 using PIC24FV16KA302 microcontroller
Automated Ice Cream Topper
Automated Power Tool Charger
Automated Resistor Sorter with GUI
Automatic Railway Gate Control System Using PIC16F877A microcontroller
AVR High Voltage Programming (Fuses Rescue)
AVR Microcontroller Based Electronic Voting Machine
BANANA SCAN
Barcode Scanner
Beginners Guide to Debugging in MPLABX Using ChipKIT PRO MX7 by DIGILENT
Benefits of using ceiling fans with lights
Beyond the Code: The Engineering Principles Behind Everyday Systems
Blink Led with Pic18f2550,PIC18F2455,PIC18F4455,Pic18F4550 Microcontroller….20Mhz Crystal frequency…
Bot Ross
Breathalyzer circuit using 8051
Buck Boost Regulator using XL6009 with Adjustable 3.3V to 12V Output Voltage
Build a DIY Smart Watch Using Microcontroller
Build a Pulse Analyzer
Build yourself flashing message on PIC16F877A with assembler
Building a PIC18C and System-on-a-Chip in an FPGA

Building Blocks for Success: A Structured Framework for Microchip PIC Microcontroller Applications
Building Keyless Car Alarm
Building your Dream Alarm Clock Using the PIC18
Building Your Own Micromite Companion Minicomputer
Business Card PIC Programmer using PIC12F629 microcontroller
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CAN FD Node based on a PIC18 Microcontroller
CAR SPEED ALARM CIRCUIT DISPLAY INDICATOR PIC16F84A
Cat Repellent
CCS C APPLICATIONS PROTEUS SIMLATIONS
Cheap PIC controlled Helmet Camera using Sony LANC (Good for Extreme Sports) using PIC16F690
Cheapest PCB (circuit board) prototyping
Choosing the Right PCB Fabrication Process for Your Project: Factors to Consider
Chronograph for Air Cannon using PIC16F628A microcontroller
Circuit Digital Clock Using PIC16f628a Microcontroller Schematics
Circuit simulator and PCB design software - EasyEDA
Cloud or Edge? 5 Criteria to Follow When Selecting a Computing Architecture
CNY70 COLOR SENSING PROJECT PIC16F84 PICBASIC PRO
COIL, BOBBIN, WINDING COUNTER CIRCUIT PIC16F877 PICBASIC
Common PCBA Issues
COMPACT, MULTI-CHANNEL CDP-07M UHF NARROW-BAND INDUSTRIAL TRANSMITTER/RECEIVER PAIR
Control a Hobby Servo using PIC18F2455 microcontroller
Control AC load with microcontroller.
Convert an ATX PSU Into a Bench PSU That Measures Current
COUNTER CIRCUITS JALV2 PIC16F628
Creating a graphical plotter with STM32 and STONE TFT LCD
CSCI 255 - Introduction to MIPS32 Assembly
CSCI 255 - Pin I/O on the PIC
Current Divider Circuits Explained with Formula and Practical Hardware
Daft Punk Table Replica Graphics Controller using PIC18f2550
Dancing Boids
DDS/PLL based VFO synthesizer using PIC16F876
Debouncing Interrupts With MPIDE Part 2: RC Filters
Design a Voltage Controlled Current Source Circuit using Op-Amp
Design for manufacturing and assembly: DFA&DFM
Design your own Compact 5V/3.3V SMPS Circuit for Embedded and IoT Projects
Designing a Microcontroller Framework for PC-Based Control of Electrical Appliances
Designing and Building the Macro Watch
Designing Your Ideal Alarm Clock: An Introduction to PIC18
Digital "Etch A Sketch" Glove
Digital Alarm Clock Schematic using pic microcontoller
Digital Clock using PIC Microcontroller Interrupt - XC8
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Direct Digital Synthesis (DDS) using PIC16F84 microcontroller
Display custom urdu language characters on 16×2 lcd using pic16f877a microcontroller
Displaying ASCII Characters on 16×2 Character lcd Using Microchip PIC16f877 Microcontroller

Distributed PIC Synthesizer
DIY Electromagnetic Levitation Device
DMM Piggyback (add RS-232) using PIC16F688 microcontroller
DMX-512 to Serial Adapter
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DS1307 Based Hand Clock with seven segment display using PIC16F877A
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DSPIC PROPELLER CLOCK CIRCUIT
DSPIC WAV RECORDER WAV PLAYER PROJECT
Dspic-Servo Project using PIC30F4012 microcontroller
Easy Cheap 16F84 POV Message - AirText
Easy PIC Micro State Transition Interrupt Code
ECE 4760 FINAL PROJECT: REMOTE CONTROL TANK
ECE 4760 Project: Kendo Sword Trainer
ECE 4760: Latte Art Machine
ECT358L – Microprocessors II Laboratory Setting up and Using the Microchip MPLAB IDE
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Efficient Power Generation with Microcontroller-Controlled Thermoelectric Generators
Efficient Sun-Following Robot: A Solar Tracker with Microcontroller Control
Electrical Subsystem
ELECTRONIC DIMMER CIRCUIT REMOTE WITH PIC16F628
Electronic Dimmer With Memory
ELECTRONIC KEY WITH PIC16F84 AND DALLAS IBUTTON
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Embedded Instruction Kit
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Emergency Excuse Generator using PIC16F690
Enabling the Future of High-Speed AI: An In-Depth Analysis of Microchip's 800G Active Electrical Cable Solution
ENC28J60 WEB SERVER PROJECT PIC24FJ64 TCP-IP
EXAMPLE VISUAL BASIC RS232 RF COMMUNICATION PIC16F84
Expanding Your Skills in the World of Electronics
Exploring Leon's Mini Random Number Generator (mRNG)
Exploring the World of PIC Microcontrollers: An Architectural Overview
Features You Should Look Forin a Firewall
Five Great Ways to Optimize Your Technical SEO
FLOWCODE EXAMPLES
Four Tips for Data Recovery Planning
Free/low-cost PADS PCB packages from Mentor/Digi-Key
Frequency Meter Using Microcontroller
Gas Cooker & Water Purifier Using Free Energy
Generate PWM Wave With PIC Microcontroller
Generic UART for Any Microcontroller
Getting Started with MicroPython on ESP32 using uPyCraft IDE
Getting Started with Your Business Website on a Budget
GO SME - The No. 1 integrated current sensor series from LEM
GPS based clock using pic microcontroller
Graphene could be good for Quantum Computing
Half Wave and Full Wave Precision Rectifier Circuit using Op-Amp

Hands-On Digital I/O Lab with PIC18F46K22 Microcontroller
Haptic Feedback Weathervane
HDD Clock - Persistence of Vision
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High Bandwidth Low Latency Communication with SPI Devices Controlled by PIC32
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Home made PCB Board
How a Credit Card Chip Works to Keep Consumers Safe
How Do Multilayer Chip Resistors Work?
How Engineering Companies Can Improve Productivity
How Machinery Can Help Your Businesses Flourish
How Tech Can Help You Start a Design Business
How Tech is Impacting Loan Approval
How Tech Is Impacting Your Business Product Development
How The Internet of Things is Changing the Work Place
How the Semiconductor Changed the World of Business
How to Address Security Vulnerabilities in Autonomous Vehicles
How to Better Protect Your Company Online
How to Boost Your Online Revenue
How to Choose a Microcontroller: 5 Steps to Finding the Ideal Match
How to choose single-layer PCB and multi-layer PCB?
How to configure EUSART in PIC18F4550 Microcontroller
How to Create an Arduino Shield
How to Find Success in The Manufacturing Industry
How to Generate Sine Wave using PWM with PIC Microcontroller- (Part 19/25)
How to get started with PICAXE 08M microcontroller
How to get started with TensorFlow Lite for Microcontrollers
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How to use PIC18F4550 as a SPI Slave Transmitter- (Part 25/25)
How To Use Virtual Terminal in Proteus ISIS
How to work with inbuilt ADC Module of PIC Microcontroller (PIC18F4550)
How Torrent Clients Are Bringing Peer-To-Peer to Businesses in 2020
Illuminated Cubes
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Implementing Smart Cooling Control for Induction Heaters with PIC Microcontrollers
In-depth: TensorFlow Lite for Microcontrollers - Part 2
Infra-Red Panel Remote Control
Innovative Approaches to Control System Design for 100KV Impulse Generators
Instrument-Based Color Sonification with the PIC32

Integrated Solar ChargeController, Inverter, PowerBank, Lamp
Interfacing and Communicating with the 68HC05/705 Microcontroller Family
Interfacing Bluetooth Module HC-06 with PIC Microcontroller
Interfacing Lcd(8×1,8×2,10×1,10×2, 16×2, 16×4, 20×1, 20×2, 40×1,40×2) in 4 Bit Mode with Microchip Pic16f877A Microcontroller
Interfacing SD card with PIC12F1822 (Raw data read)
Interfacing the Microchip PIC18F Microcontroller Master Synchronous Serial Port (MSSP) to various I2C Devices
Interrupt Routine in Assembly Language Using 8-bit PIC
Interrupts in MSP430 – Writing GPIO Interrupt Program using Code Composer Studio
Introducing the Science of Microchip PIC14
Introduction to the Embedded System with PICAXE Microcontroller
IO Controller with serial port CLI using PIC16F627A
IoT: The Benefits Of LoRa Technology
Ir On-Off using PIC12F629 microcontroller
IR REMOTE CONTROL CIRCUITS WITH PICMICRO
IR Remote control transmitter and receiver using PIC12F1822 microcontroller
IR Tracking Turret with PIC and C
IRMimic™ Trainable IR Remote Control Transmitter using pic microcontoller
Is the Data You Store on Your Gadgets Safe?
ISABELLENHÜTTE INTRODUCES NEW RANGE OF 1 – 6MΩ RESISTORS IN SMALLEST CHIP SIZES AVAILABLE ON THE MARKET
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LASER HARP
Latest Projects List 2020
LAWL-E: The Platform Stabilizer
LCD STOPWATCH COUNTDOWN COUNTER CIRCUIT WITH PIC16F877 PICBASIC PRO
Learn to Code for Free: Why You Can and You Should Start Today
LED DISPLAY WITH PIC16F84 ADJUSTABLE TIMER CIRCUIT
Leveraging Blockout Banners for Effective Electronics and Tech Product Displays
LM1036 DIGITAL TONE CONTROL CIRCUIT PIC16F628A DS1844 PICBASIC
Low Cost IC Test Clip for PIC ICSP
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Making a simple clap switch
Mastering PIC 24F Series: A Comprehensive Guide with MPLAB and Proteus
Meet the Parallax Propeller QuickStart Board
Metal Detecting with PIC18-Q71 Microcontroller
Microchip Advanced Parts Selector Tool
MICROCHIP C SAMPLE CODE HI TECH C EXAMPLE ARCHIVE
MICROCHIP EXAMPLES SWITCH TIMING CIRCUITS
Microchip Introduces Low Pin Count MCU Family with I3C Support
Microchip xc8 compiler place data in ram specific location/address of pic microcontroller
Microchips' optical future
Microcontroller Based Password Verification System
MICROCONTROLLER CONTROLLED METAL DETECTOR CIRCUITS OVER 1M
Microcontroller Register Manipulation
Microcontroller Schematic Design Software
Microcontroller-Based Laser Pulse Code Detection: Harnessing Pulse Repetition Frequency

Microcontrollers and other Microchip devices Search tool
Microcontrollers: Space Exploration and other fields applications
MIKROPASCAL MIKROBASIC MIKROC PROJECTS
MPLAB IDE + HI-TECH PICC LITE Compiler- Installation and Setup
MPLAB INTEGRATED CCS C PROJECTS CIRCUITS
MPLAB Tutorial
MQ-7 CARBON MONOXIDE ALARM CIRCUIT PIC16F88
MTM Scientific, Inc... PIC Project for CATV Tuner
MultiKey – One Wire Keypad
Must Have Peripherals for Any Gaming PC Setup
Must-Have Tech Accessories for the Ideal Streaming Setup
Mädchen Machen Technik
Naked Clock using PIC16F877 Microcontroller
NEC Remote control decoder with PIC16F84A
New Software Promises to Radically Simplify Chip Design
Novel Tandon-designed microchip will allow data to be processed without being decrypted
One Pedal To Rule Them All
One Second Delay Generation by using internal Timers of Microchip Pic Microcontroller, xc8 compiler with Mplabx Ide
One Type of Tech That Is Overlooked in Marketing
ONLINE SUMMER CAMP AND ITS IMPORTANCE
OpenVPN VPN Protocol Settings: What You Should Know
OSCCAL Value Finder
Oscilloscope clock
Paintball/Ballistic Chronograph
PBUS - an RS485-like multi-drop bus with half duplex serial protocol
PCB layouts using CAD
PianoPIC
PIC 16f877 based Projects
PIC based Oscilliscope
PIC Controlled Relay Driver using pic microcontoller
PIC MCU and Python Serial Communication
PIC Microcontroller: Fundamentals & Applications for Students
PIC Stroboscope using PIC12F675 microcontroller
PIC to PIC Communication using RF Module
PIC – First Project
PIC-32 Julia Set Generator
PIC-Bot II
PIC12C509 PWM ELECTRONIC SPEED CONTROL
PIC12F1822 ADC and PWM modules
PIC12F1822 DAC Module
PIC12F629 PWM SMPS CONTROL
PIC12F629 WATER LEVEL CONTROL CIRCUIT PROTON BASIC
PIC12F675 microcontroller as Flip Flop
PIC12F683 VIDEO TEXT PAL – OSD
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PIC16F627 RPM MEASUREMENT CPU FAN SPEED INDICATOR CIRCUIT
PIC16F628 KING RIDER CIRCUIT
PIC16F628 MULTI-MODE ENCODER, COUNTER CIRCUITS CCS C
PIC16F628A EXAMPLE RF TRANSCEIVER CIRCUIT WITH PIC-C
PIC16F84 00-99 FORWARD, BACKWARD COUNTER CIRCUIT PICBASIC PRO

PIC16F84 ADVANCED TIMER CIRCUIT
PIC16F84 BARCODE READER CIRCUIT
PIC16F84 LAMP LIGHT EFFECTS CIRCUIT MOC3020 ISOLATION BT137 TRIAC CONTROL
PIC16F84 MIDI 32-CHANNEL DECODER CIRCUIT
PIC16F84 PS2 KEYBOARD EMULATOR
PIC16F84 RF FISH DETECTOR CIRCUIT
PIC16F84 RF TRANSCEIVER CIRCUIT (6-CHANNEL)
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PIC16F84A MICROCONTROLLER WITH A 5-STORY ELEVATOR PROJECT
PIC16F84A PROGRAMMABLE DUAL TIMER CIRCUIT
PIC16F876 PWM FAN SPEED CONTROL
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PIC16F877 DIGITAL LOGIC INTEGRATED TEST TTL IC TESTER CIRCUIT
PIC16F877 external interrupt code and Proteus simulation
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PIC16F877 SERIES I/O CIRCUIT ANALOG CONTROL SYSTEM PLC SAMPLER
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PIC24FJ16GA002 PARALLEL PROCESSING COMPUTER
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PIC30F2010 DSPIC CONTROLLER 2 AXIS MIDI LASER SHOW
PIC32 Digital Synthesizer
PIC32 DMA Graphics with Single Frame Buffer ECE 4760 Final Project
Pic32 Oscilloscope
PICBASIC PRO EXAMPLE PIC16F877 BUTTON KEYPAD APPLICATION
PICBASIC Q-MATIC CIRCUIT PRINTOUT PIC18F452 THERMAL PRINTER
PicBerry Oscilliscope and Function Generator
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PicKit2 Clone Designed and Manufactured at Home
picLink RS232 low cost development controller with ADC using PIC16F628A
PICMICRO CONTROLLED DIMMER CIRCUITS
PICMICRO PC KEYBOARD INTERFACES PIC16C74 PIC16F84 PIC16F77
PICMicro PWM TMR0 Calculators
Pinguino Project: A PIC Microcontroller Based Arduino
Play Your Cards Right
PLC Con El CI16F877A

Pocket Sized Morse Code Flasher
Poor man's counter using PIC16F84 microcontroller
Positive and Negative Charge Pump Circuit
Power Pic RGB with voltage control using PIC12F675
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PROGRAMMABLE AUTOMATION PIC16F87X ELECTRONIC PLC CIRCUIT
Programming a Picaxe 08m chip
Programming HID Bootloader on PIC32
Programming SMD Microcontrollers Without Soldering
Proteus Simulation Based Pic Projects List
Prototype Your PCB On EasyEDA
Prototype: Openbench Logic Sniffer logic analyzer using pic microcontoller
PT2260 PIR DETECTOR REMOTE CONTROL PROJECT ALARM CIRCUIT PIC16F628
Pure Sinewave Inverter Using Pic16f72 Without Center Tap Transformer and Without HV Transformer
PWM Inverter Circuit using TL494
Quick Key Adapter, 10 Button HID Keyboard using PIC18F14K50
Quozl's Alarm Clock using PIC16F877
R&S®NGM200 POWER SUPPLY SERIES ARE TOP CLASS PSUS
Real time clock & calendar with PIC18F4550 and DS3231
Real time clock and temperature monitor using PIC16F887 and DS3231
Real TIme Clock Using PIC18F452
Real time clock with 2 alarms and temperature sensing using PIC18F4550 and DS3231
Real time clock with remote control and ST7735 TFT display
Real Time Clock/Calendar with Remote Control
Reasons To Use VPN & 3 Must Haves When Choosing Your Provider
Record Infrared Codes of Any Remote Control Unit for Usage with Linux Infrared Remote Control (LIRC) on Raspberry Pi
Remotely Controlled Microcontroller From a Browser
Rethinking microchips’ design pushes computing to the edge
Reverse Engineering to Emulate Ink Cartridges for a Epson Printer using PIC18F
RF Panel Relay
RF Thermostat
ROLAND DG CMU-800 MIDI MODIFICATION PIC16F876
Rotating Sprocket Wheel Generator using PIC16F84
RS232 PORT CONTROL BOARD PIC18F452 MICROCONTROLLER
RT1720 Hot Swap Controller Protection Circuit for Overvoltage and Overcurrent
SATELLITE FINDER CIRCUIT PIC16F877 DIGITAL SATLOCK PROJECT
Schematic PIC Data Logger with Delta-Sigma Converter
SCROLLING DISPLAY WITH RF CONNECTION PC PIC18F2620
SD CARD SOUND RECORDING, PLAYBACK CIRCUIT PIC16F876A
Secure Authentication IC: Microchip Expands Portfolio
SEPTENTRIO STRENGTHENS ITS GNSS/INS PORTFOLIO WITH A SINGLE ANTENNA RECEIVER
Serial Data Received from PC and Displayed on 16×2 Using USART of Pic16f877 Microcontroller
Serial Data Transfer to PC(Personal Computer) using PIC16f877 Microcontroller USART
Services You Can Get From A Custom Software Development Company
Simple 3 Button On-off With 12f629 (mikroC)
Simple Button Keypad - Microcontroller
Simple JDM PIC Programmer using PIC16f84A microcontroller
Simulating the Water Cycle in a Desert
Single-Axis PIC Controlled Solar Tracker DIY Kit using PIC18F1220
Single-Supply Portable ECG Monitor

Single-Tube nixie clock | Microcontroller Project
Skiing Performance Logger
Sleep Enough Timer
Smart Baby Incubator: Enhancing Care with PIC Microcontrollers
Smart-O-Pan ECE4760
Solar Recorder
SONY PHILIPS RC5 IR REMOTE DECODER CIRCUIT PIC16F84A
Stand-alone Heart Rate Meter
Steam Turret Tank R/C PIC Servo Controller
Stepping Into the 16-bit World with the Microchip 16-bit PIC24F16KA102 Family Microcontroller
STM8-BIT BCD CYCLE DELAY AND 1 WIRE LIBRARY
Sunrise Alarm Clock
Switched Capacitor Voltage Converter
Take a Break From Coding: How to Relax at Work
Tea Light Clone
Tech Tips For New Businesses
Temperature Access Point Using an AVR® DA Microcontroller
Tesla development board based on PIC18F2550
The benefits of renting computer equipment
The Importance of Pictures to Marketing
The Importance of Software in a Niche Business
The Minute Timer Based on the PIC16F88 MCU
The One Chip Spinning RGB POV Display with conversion software using PIC18f4680 microcontroller
The Outlet Nanny
The Saltwater etch process using PIC16F54 microcontroller
The Talking Breathalyzer Mark II using PIC18F1220
Time-Controlled Switch Using PIC16F72
TIMED DISCHARGE ADAPTER using PIC16F628
TIMER RELAY WITH PIC16F88
Timers of PIC microcontroller How to generate delay
Tiny GNSS Module Interfacing With Microcontroller
Tiny ML for Big Hearts on an 8-bit Microcontroller
Tips for Protecting Your Network
Toggle/Blink led on specific delay with pic microcontroller using timers: MPLABX and xc8 compiler
Top 10 Multilayer PCB Manufacturers in China
Top 5 Future Technology Innovations
Top Embedded Projects Ideas for Engineering Students
TRACK CONTROLLER FOR AWANA® GRAND PRIX using PIC16F628
Transform Your Ideas into Powerful Software Applications
Triangle Wave Generator Circuit using Op-amp
Turn an Old DirecTV Receiver into a Hard Drive
UART Communication using PIC Microcontroller
UART Communication with Nuvoton N76E003 Microcontroller – Serial Communication
ULTRASONIC CAT & DOG REPELLER CIRCUIT PIC16F627
Understanding Filled Vias in PCB Design
Understanding the Role and Function of Relays in Electrical Circuits
Unveiling the Many Faces of Microcontroller Applications
USB NEC Infra-Red Transmitter and Receiver
USB NEC Infra-Red Transmitter and Receiver
Using PicBasic with the PIC16F84 PIC Microcontroller

Using Transistor as a Switch
VIRTUAL HOURGLASS TIMER
VirtualBox USB Passthrough Guide
VISHAY INTRODUCES NEW MINIATURE ALUMINUM CAPACITORS TO INCREASE DESIGN FLEXIBILITY AND SAVE BOARD SPACE
Voltage to Frequency Converter using AD654
Welcome to Juul School: 4 Crazy Juul Pods Myths Debunked
What are the Advantages of Dual Element Transducers?
What is a TVS diode? Working principle and parameters of TVS diode
What Is First Article Inspection, Why Should You Do It & How?
What is the Three Prong Plug?
What Should You Consider Before Choosing A Low Cost PCB Manufacturer.
What To Do Before Starting A Technology Degree
What You Should know about Adobe Acrobat Pro
What You'll Need to Livestream on YouTube
Whistle Controlled Light Switch
Why PCB's Are Vital To Computers
WiGPSFi – ESP8266 + GPS
WINAMP IR CONTROL CIRCUIT VISUALBASIC PIC16F627 RS232
World top 10 cheapest microcontrollers (MCUs)
YEAAAUGH, WHHAT? OKKKAY! Lil Jon Easy Button