

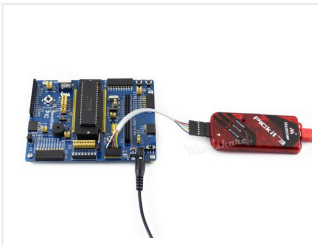


HOME	PROJECTS	PIC PROJECTS PDF OFFLINE	TOOLS	TUTORIALS	PROGRAMMERS	SOFTWARE	NEWS & UPDATES	CONTACT US
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pinout - connection diagram

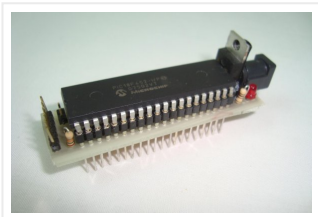
Pic18f452 microcontroller based projects list

1. [pickit 3 supported devices](#)



Supported Devices Refer to MPLAB IDE v8.76, the following devices are supported: ICSP PIC10F PIC10F200, PIC10F202, PIC10F204, PIC10F206, PIC10F220, PIC10F222 PIC12F PIC12F508, PIC12F509, PIC12F510, PIC12F519, PIC12F609, PIC12HV609, PIC12F615, PIC12FHV615PIC12F629, PIC12F635,...

2. [Mini PIC Dev Board using PIC18F452](#)



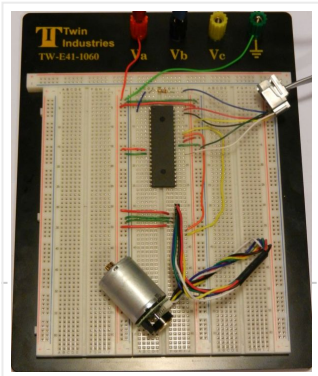
For one reason or another I really like to use breadboards for building prototype designs. The breadboard offers superior flexibility in that you can change a single electrical connection at...

3. [Making "The LCD Expansion Board" for PIC18F4520 using pic microcontoller](#)



In this tutorial I you show you how to make a very useful expansion board for our PIC development board. It will be a Do It Your self (DIY) LCD...

4. [How to Program a PIC Microcontroller & Read an Encoder](#)



Introduction: From electronic toys & games to microwave ovens, microcontrollers can be found just about anywhere these days! But how can we make these small computers work for our own electronics...

5. [The VGA Test Box using pic18f452 Microcontroller](#)

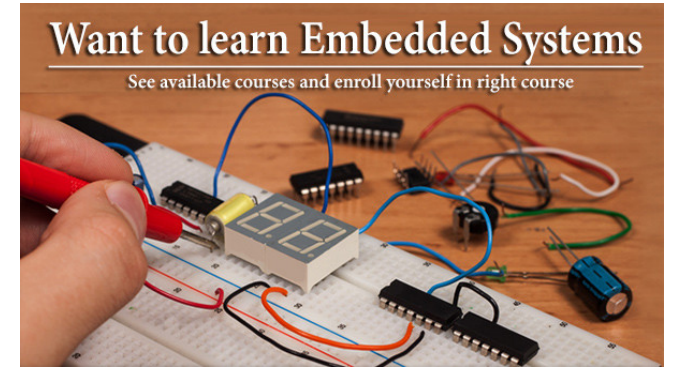


The goal of this project is to create a device that is capable of outputting VGA signals to a CRT monitor inorder to display figures, text and characters. Timing is...

6. [Making of PIC18F452 Micro-Controller Development/Generic Board](#)

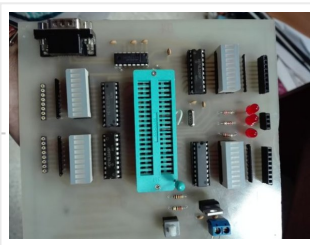
Our instructable shows how to create a generic board of PIC18 micro-controller which is further used in advanced embedded projects as there is a number of PIC

Our Recommended Online Courses



- Project Categories**
- GPS Projects
 - Internet and LAN Projects
 - Interfacing(USB) Projects
 - Metering & Instrument Projects
 - Sensor - Detector Projects
 - Motor Based Projects
 - Phone Based Projects
 - Robotics and Automation Projects
 - Camera - Imaging and Video Projects
 - Game and Entertainment Projects
 - Home Automation Based Projects
 - Memory and Storage Projects
 - RFID Based Projects
 - Security and Safety Projects





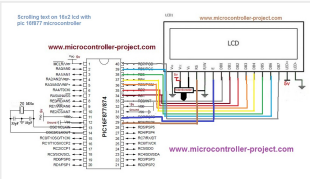
micro-controller applications...

7. [AquaCont – Aquarium Control using pic microcontroller](#)



The AquaCont is an electronic system witch permits to manage and to monitor most of the parameters of all the electrics devices that can be found in a aquarium. The...

8. [Displaying Scrolling\(Moving\) text on 16x2 lcd Using Pic16f877 and Pic18f452 Microcontroller](#)



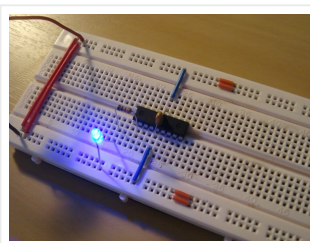
Displaying moving or scrolling text on lcd(16x2,8x1,16x4,8x2,16x1,20x1,20x2 etc) is very easy. You just need to know how to efficiently use lcd commands.In this project i am using pic 16f877 microcontroller...

9. [RDS/RBDS decoder with optional FM stereo receiver using PIC18F452](#)



This project supports both RDS (Europe) and RBDS (USA) Tuner FM band 88..108 MhZ (Europe and USA.) You can choose between a 4x20 character LCD or a smaller graphical LCD...

10. [PIC18F452 LED Blinking Code and Proteus Simulation](#)



This post provides the LED blinking code (compiled in MPLAB + HI-TECH C) for PIC18F452. Complete project code and the proteus simulation can be downloaded from the Downloads section at the bottom of...

11. [Embedded System for Automatic Washing Machine using Microchip PIC18F Series Microcontroller](#)



The design uses the PIC18F series microcontroller. All the control functionalities of the system are built around this. Upgradeability is the unique feature of this system. Control card hardware and...

12. [Embedded System for Automatic Washing Machine using Microchip PIC18F Series Microcontroller](#)



The design uses the PIC18F series microcontroller. All the control functionalities of the system are built around this. Upgradeability is the unique feature of this system. Control card hardware and...

13. [Interfacing LCD Modules with PIC Microcontrollers.](#)



A large number of embedded project require some type of user interface. This includes displaying numerical, textual and graphical data to user. For very simple numerical display we can use...



Sound and Audio Projects



Temperature Measurement Based Projects



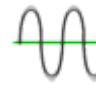
DIY Projects



Medical and Health based Projects



Battery Based Projects



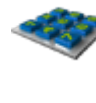
PWM (Pulse-width modulation) Projects



Radio Based Projects



Others Project



Calculator Based Projects



Car - Auto Projects



LCD Based Projects



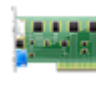
LED Based Projects



Clock and Timer Projects



CNC-Machines Projects



Development Board Projects



RTOS Projects

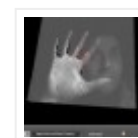
Feedback / Suggestions

Popular	Recent	Comments	Tags
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Tiny GSM alarm system using PIC16F84A

March 14, 2013



PC Interfacing a GameBoy Camera using PIC18F4620 microcontroller

November 11, 2016

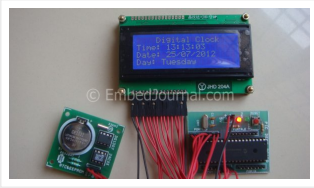


Home Automation and Safety via GSM Remote

March 14, 2013



14. [Interfacing RTC with Microcontroller](#)



Have you ever wondered how your PC and phones keep track of time even when the device is turned OFF? Well there is a Real Time Clock (RTC) that is...

15. [PIC18F452 to PC USB 2.0 interface with FT245BM](#)



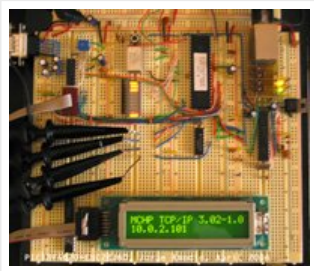
Here is an example of how to interface a PIC18F452 to a PC via the USB port. The windows-pc (98, Me, 2000, XP, 2003) runs a program (C# application, Microsoft...

16. [Low cost LCD module interface with optional LED backlight using PIC18F452](#)



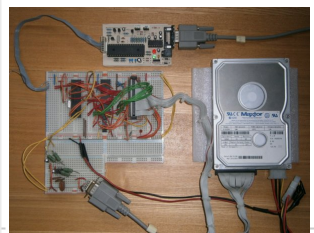
Here are the technical specifications: LCD resolution: 128 x 64 pixels LCD manufacturer: DisplayTech. LCD model 1: 64128COG-FA-BC (no backlight) LCD model 2: 64128G-FC-BW-3 (white LED backlight) On-glass lcd controller...

17. [internetworking with microchip microcontroller pic18f+enc28j60](#)



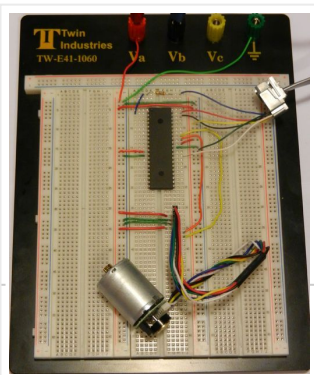
Description The ENC28J60 is Microchip's first incursion into the ethernet controller arena, this new device includes all MAC & PHY IEEE 802.3 10BaseT functions, 8KB of dual access RAM packet...

18. [PIC microcontroller ATA library](#)



This project started life a long time ago, with the intention to build an iPod clone, back when personal MP3 players were an expensive luxury and long before you could...

19. [How to Program a PIC Microcontroller & Read an Encoder](#)



Introduction: From electronic toys & games to microwave ovens, microcontrollers can be found just about anywhere these days! But how can we make these small computers work for our own...

20. [Low cost OLED module interface using PIC18F452](#)



Here are the technical specifications: OLED resolution: 96 x 64 pixels OLED manufacturer: OSRAM. OLED model: Pictiva 1.1 inch OS096064PN11MY0B10 (San Diego.) On-board lcd controller SSD1303, with 31 pins connector,...



PIC based UPS Schematic / Firmware / PCB Layout

June 15, 2013



Automatic School Bell

November 23, 2013

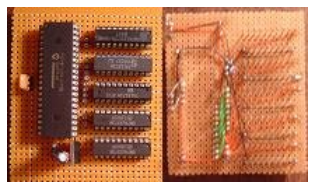


21. [Connect Flash Card with PIC18F4520](#)



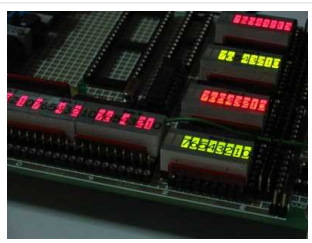
The Compact Flash Library provides routines for accessing data on Compact Flash card (abbr. CF further in text). CF cards are widely used memory elements, commonly used with digital cameras....

22. [contruction of personal Radar System using PIC Microcontroller PIC18f452](#)



Personal Radar System using PIC Microcontroller
PIC18f452 is a microcontroller hobby project. The circuit diagram of radar is attached here below seemed a little bit simple schematic but you need...

23. [Introducing PIC Microcontroller projects](#)



PIC Microcontroller Development Tools History PIC microcontroller Development Board (Completed on 2006-10-28) The ultimate PIC Microcontroller development board. After years of programming PIC microcontroller, I have finally design my super...

24. [Connect Memory Card using PIC18F4520 Code](#)



The Multi Media Card (MMC) is a Flash memory card standard. MMC cards are currently available in sizes up to and including 32 GB and are used in cellular phones,...

25. [RS232 Communication using PIC18F4520's USART – PIC Microcontroller Tutorial](#)



RS232 can be used to communicate between a variety of devices. Like your MCU and a GSM module or a PC. In this tutorial we will demonstrate a link between...

26. [The chipKIT™ UNO32™ and MAX32™ development boards for the Arduino™ Community](#)



Microchip Technology Inc., a leading provider of microcontroller, analog and Flash-IP solutions, and Digilent, Inc. announced expanded capabilities for the 32-bit PIC32 microcontroller-based chipKIT™ Development Platform for the Arduino™ community....

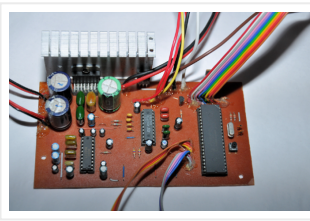
27. [PIC KICK TWEET !](#)



This is an Instructable showing you how to integrate Twitter in your embedded application. Watch this Instructable in Action <http://www.instructables.com/id/PIC-KICK-TWEET-1/> Working: A desktop application is created with ease for grabbing the...

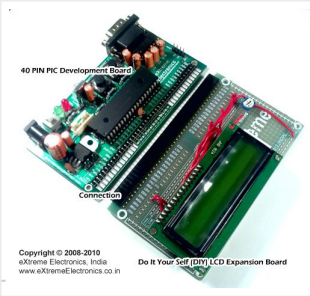
28. [Digitally Controlled 2.1 Channel Analog Audio Power Amplifier](#)





This article introduces high quality digitally controlled 2.1 channel analog audio power amplifier system. This project is mainly based on TDA7377 AF power amplifier and PIC18F452 8bit microcontroller. Basic technical...

29. [Interfacing LM35 Temperature Sensor with PIC Microcontroller.](#)



There are many cool sensors available now a days, ranging from IR distance sensor modules, accelerometers, humidity sensors, temperature sensors and many many more (gas sensors, alcohol sensor, motion sensors, touch...

30. [Dual programmable keypad code lock using PIC18F452](#)



Open electrical doors with your secret code only! Here are the technical specifications: Up to two keypads may be connected to drive both relay outputs. Professional, outdoor or other keypads...

31. [JDM2 based PIC Programmer](#)



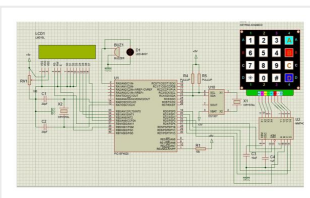
JDM2 based PIC Programmer Schematic & layout for an updated JDM2 PIC Programmer. Includes clock & data filter, Vpp voltage divider for modern PIC microcontrollers (eg USB PIC 18F2455/4455). Prior...

32. [The Wooden Menace – a Mighty Robotic Arm Powered by Servos using pic microcontroller](#)



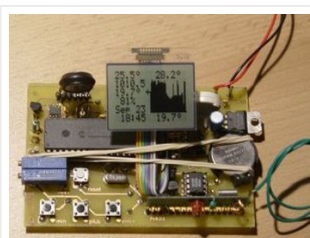
Introduction When I first started in the field of robotics, electronics and sensors I had always wanted to make my own robotic arm. The idea of being able to make...

33. [Automatic School Bell](#)



This project is an Automatic School bell system. Such a system triggers a bell (or operates any other load) at predefined time. In this version some advanced features are introduced:...

34. [Weather station using PIC18F452 Microcontroller](#)



Weather station with pressure reading, relative humidity, indoor & remote outdoor temperature display. Both Celsius or Fahrenheit & mbar/hPa or mm Hg supported. With calendar & clock. Easy 3-button user-menu....

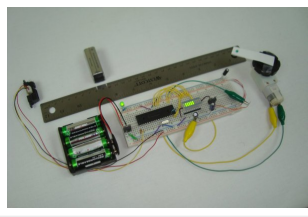
35. [RGB LED Controller using PIC18F452](#)





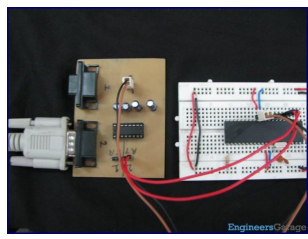
A very popular type of LED that has finally come about is the tri-color, RGB LED. The RGB stands for: red, green and blue since the LED is capable of...

36. [IR Proximity Motor Control using PIC18F4520](#)



Infrared proximity sensors are very fun to play with. In the past we have used them to make Digital Theremins and Control Robots, always using its proximity sensing (how far...

37. [PIC18F452 UART code and Proteus Simulation](#)



This post provides the UART code (compiled in MPLAB + HI-TECH C) for PIC18F452 (e-g to connect PIC18F452 controller with PC using serial adapter). Complete project code and the proteus simulation can be...

38. [PIC18F452 PWM Code and Proteus Simulation](#)



This post provides the PWM code (using C language) and Proteus simulation for PIC18F452 micro-controller CCP1 and CCP2 modules (written using MPLAB and HI-TECH C18 compiler). There are...

39. [Pickit 2 Download & Develop Your own USB pickit ii programmer](#)



PICkit 2 Introduction: There are many PIC programmer available, commercial and DIY devices. As Microchip introduces the new microprocessors the programming software got to be updated accordingly playing catch-up...

40. [Wireless MultiMeter using PIC18F452 Microcontroller](#)



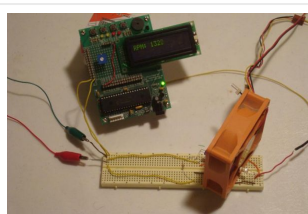
This project comes as a KIT. It includes these components: Low-cost DMM (digital multimeter) M830D TX (transmitter) circuit and wireless module TX-433. These are mounted within the DMM housing. RX (receiving)...

41. [VGA display using PIC18F452 microcontroller](#)



For quite some time I've been wanting to create a device that outputs VGA signals. My main goal was of course to be able to display whatever I wanted on...

42. [Build A Digital Tachometer/RPM Counter using PIC18F452](#)



A tachometer is a tool that mechanics or engineers in general use very often. A normal tachometer will be able to tell you how fast something is moving in a...



USEFUL RESOURCES

- [Tools](#)

- [Online Courses to Learn Programming.](#)

- [Pic Projects PDF Offline](#)

- [Pic16f877a projects list](#)

- [Pic18f4550 projects](#)

- [Proteus Simulation Based Pic Projects](#)

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
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LAST VISITED:

-  [PIC Microcontroller Project Book By John Iovine E-Book](#)

-  [In-Circuit debugger, created by E.E. Atanasios Melimopoulos using PIC16F628 microcontroller](#)

-  [Multifunction RGB LED controller using PIC12F675](#)

