



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

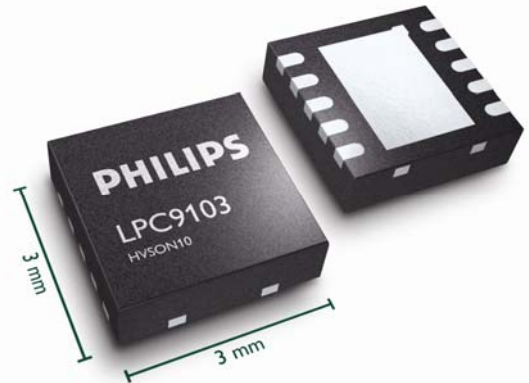
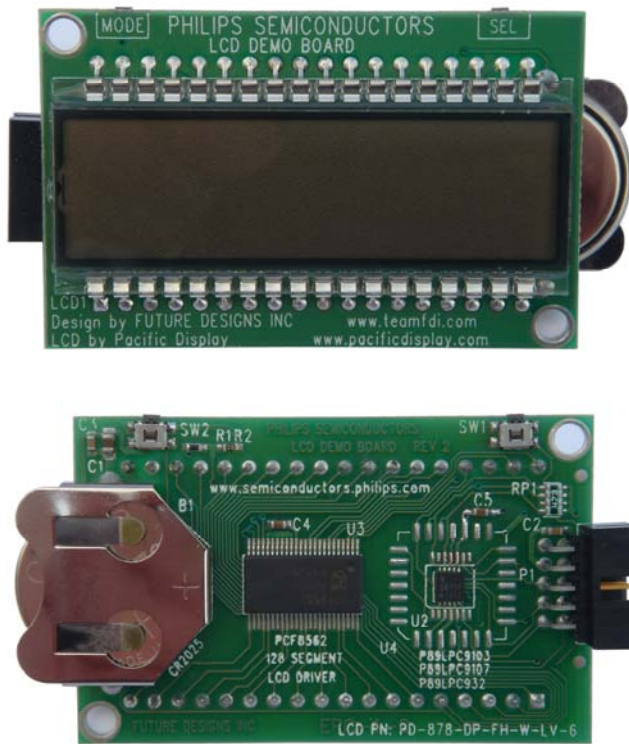
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LCD Demo



Highlights

- Low-cost 2-chip solution for LCD User Interface
- Flexible layout supports 3 microcontroller options
 - 10 pin HVSON to 28 pin PLCC package
 - 1KB to 8KB internal Flash memory
- 8-character alphanumeric LCD
- I2C based LCD driver with 128 segment support
- Powered by a single 3V coin cell battery
- Two miniature push-buttons for user control
- Reprogrammable by the user via 10-pin ICP header

The NXP LCD Demo is a reference design for a low cost microcontroller and LCD solution. The two main NXP parts used in this design can be purchased for less than \$1.50 in 1,000 unit quantities and only a few other external components are required. The Demo Board is controlled by a simple two-button user interface (MODE and SELECT). The Demo Board CD includes example code for several sample applications: an FM Radio display during a simulated channel scan, a 15 minute count down timer, a repeating pattern of 4 text lines and a scrolling message window. The user can edit this code and download to the reprogrammable Flash microcontroller via a 10-pin header included on the board using any external ICP style programmer. A small USB based ICP programmer that allows ICP programming of the P89LPC9103 and many other NXP microcontrollers from any PC with a USB port is also available from Future Designs, Inc. Details can be found at www.teamfdi.com/USB-ICP

Features

P89LPC9103 8-bit, 2-clock, 80C51 MCU

- 1 KB Flash, 128 bytes RAM
- 10-pin HVSON package (3 x 3mm²)
- Internal RC Oscillator
- UART, ADC, DAC
- Two 16-bit timers & RTC
- Keypad Interrupt
- WDT with on chip 400kHz oscillator



PCF8562TT Single-chip LCD controller/driver

- 48-Pin TSSOP package
- 32 x 4-bit RAM for display data storage
- 400 kHz I²C-bus interface
- No external components
- Wide supply range

Flexible board design – LPC9103, LPC9107 & LPC93x microcontrollers can be installed by the customer for prototyping new designs.

Ordering Information

Part Number: LCD-DEMO-KIT

Order Online Now at:
www.digikey.com

NXP: OM10088

12 NC #: 935282474598

Warranty: 30-day money back guarantee

Availability: Stock

(256) 883-1240 Phone

(256) 883-1241 FAX

E-mail:

www.teamfdi.com

Contents

LCD Demo Board:

- P89LPC9103 1KB Flash microcontroller
- PCF8562TT 128-segment LCD Driver
- 8-character alphanumeric LCD
- 3V Coin Cell Battery

LCD Demo CD:

- I2C bit-bang code for LCD Driver
- Demo application code
- Schematic
- In Circuit Programming (ICP) Documentation

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