Other Information

To obtain the most recent and complete documentation for this demonstration board, including:

- Board Schematics

- User's Guide

- Source Code

- Application Examples - Links to Web Seminars please refer to the Microchip web site: www.microchip.com

- Board Description

| AMERICAS Atlanta - 678-957-9614 Boston - 774-760-0087 Chicago - 630-285-0071 Cleveland - 216-447-0464 Dallas - 972-818-7423 Detroit - 248-538-2250 Indianapolis - 317-773-8323 Los Angeles - 949-462-9523 Phoenix - 480-792-7200 Santa Clara - 408-961-6444 Toronto - 905-673-0699 | ASIA/PACIFIC Australia - Sydney - 61-2-9868-6733 China - Beijing - 86-10-8569-7000 China - Chengdu - 86-28-8665-5611 China - Chongqing - 86-23-8980-9588 China - Hangzhou - 86-571-2819-3187 China - Hong Kong SAR - 852-2401-200 China - Nanjing - 86-25-8473-2460 China - Nanjing - 86-25-8473-2460 China - Shenyang - 86-24-2334-2829 China - Shenzhan - 86-755-8203-2660 China - Shenzhan - 86-755-8203-2660 China - Xian - 86-292-2388138 China - Xian - 86-292-2388138 China - Xian - 86-756-3210040 India - Bangalore - 91-80-3090-4444 India - New Delhi - 91-11-4160-8631 India - Pune - 91-20-2566-1512 Japan - Yokohama - 81-45-471-6166 Korea - Daegu - 82-53-744-4301 Korea - Seoul - 82-254-7200 Malaysia - Venala Lumpur - 60-3-6201-9857 Malaysia - Kuala Lumpur - 60-3-6201-9857 | EUROPE Austria - Wels - 43-7242-2244-39 Denmark - Copenhagen - 45-4450-2828 France - Paris - 33-1-65-53-63-20 Germany - Munich - 49-89-627-144-0 Italy - Milan - 39-0331-742611 Netherlands - Drunen - 31-416-690399 Spain - Madrid - 34-91-708-08-90 UK - Wokingham - 44-118-921-5869 |
|---|---|--|
| | Malaysia - Penang - 60-4-227-8870 Philippines - Manila - 63-2-634-9065 Singapore - 65-6334-8870 Taiwan - Hsin Chu - 886-3-5778-366 | |
| | Taiwan - Kaohsiung - 886-7-536-4818 | |

Taiwan - Taipei - 886-2-2500-6610 Thailand - Bangkok - 66-2-694-1351



Microchip Technology Inc. • 2355 West Chandler Blvd. • Chandler, AZ 85224-6199

www.microchip.com

The Microchip name and logo and the Microchip logo are registered trademarks of Microchip Technology Incorporated in the U.S.A. and other countries. PICkit and PICtail is a trademark of Microchip Technology Incorporated in the U.S.A. and other countries. All other trademarks mentioned herein are property of their respective companies © 2011, Microchip Technology Incorporated, Printed in the U.S.A. All Rights Reserved. 10/11

DS41613A

PIC10(L)F32X Development Board Quick Start Guide

Overview

The PIC10(L)F32X Development Board is programmed at the factory with a demonstration program. The board does not need to be configured in any way in order to use the demonstration program. Once the board is powered up, the brightness of LED (D2) may be varied using the potentiometer (POT1). LED (D1) is powered as long as the PIC10F322 device is operating, and will thus vary with the supply voltage.

Board Setup

There is no setup for this demo board to operate.

Board Power-Up

Supply power to the board in one of the following ways:

- Connect a 2.3-5 VDC supply using J4 (see Figure 1).
- Use the power supplied by the PICkit[™] 3 or MPLAB[™] ICD 3 programmers.

Demonstration Program

After applying power to the PIC10(L)F32X Development Board, LED (D1) will automatically turn on. Turn POT1 clockwise to increase the brightness of LED (D2). Press switch (SW1) to turn both LEDs D1 and D2 off, release switch (SW1) and LEDs D1 and D2 will turn on.

Board Lavout

The PIC10(L)F32X Development Board is shown in Figure 1 and a schematic in Figure 2.

A PIC10F322 microcontroller is populated on the top center of the demo board under the identification label U1. The PIC10F322 has 4 available I/O pins that are initially connected to the four major components on the board. The initial connections connect to the following components:

- Switch 1 (SW 1) – 1 pin: MCLR (pin 6) of microcontroller
- Pot 1 (POT1) 1 pin: RA2 (pin 4) of microcontroller
- LED (D1) 1 pin: RA1 (pin 3) of microcontroller
- LED (D2) 1 pin: RA0 (pin 1) of microcontroller •

Should you choose to use the board to experiment on your own, the board allows the flexibility to do so. A prototyping area is provided, with ground (GND) and supply voltage (VDD) connections on the left and right sides, to expand and experiment with the capabilities of the PIC10(L)F32X Development Board.

Figure 1: PIC10(L)F32X Development Board





