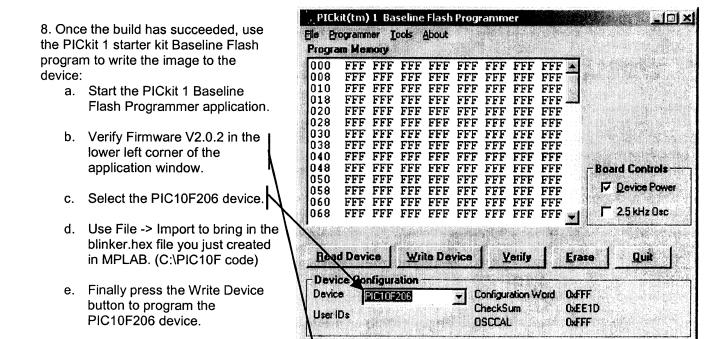
This is a guide to help you get started with your PIC10F Starter Kit (Farnell InOne order code 798-4057). Your kit should contain the PIC10F adapter kit and samples (Farnell InOne order code 796-5540) and a PICkit™ 1 starter kit (Farnell InOne order code 439-0787).

How to get started:

- 1. Carefully unpack the PICkit starter kit and AC163021 adapter kit. Be sure to follow standard ESD procedures, as the devices and PICkit starter kit are ESD sensitive.
- 2. Using proper soldering techniques, assemble the adapter kit into the 5 adapters per the enclosed diagram. Be careful to not overheat the PIC10F devices. Note: A Universal Adapter (Farnell InOne order code 804-9769) is available that has a clam shell to hold the small package without the need to solder.
- 3. Replace the PIC12F675 that comes on the PICkit with the PIC10F.
- 4. Install the development software by first placing the PICkit 1 Flash Starter Kit CD in your CDROM drive. Please review the system requirements on the back cover of the PICkit starter kit box. Please go to www.farnellinone.com for the latest version of MPLAB® IDE and install that if required.

Using the blinker demo:

- 5. Use MPLAB IDE version 6.53.xx or later to compile the blinker.asm demo into hex code:
 - a. A project file called blinker.mcp is available which has all of the MPLAB settings for this demo to compile. The blinker.asm and blinker.mcp files are available from www.farnellinone.com.
 - b. The demo files should be placed in a directory called "PIC10F code" on your C drive (C:\PIC10F code)
- 6. Open the MPLAB IDE program and load the blinker.mcp project file by clicking on Project -> Open and select C:\PIC10F code\blinker.mcp
- 7. Select Project -> Build All to compile the code. Make sure that no errors occur.



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10. You now have all the basic building blocks to evaluate the PIC10F206!

9. Once loaded, LED D6 on the PICkit

starter kit should start flashing indicating that the program is working properly.

For more information and documentation on the PIC10F206 please go to www.farnellinone.com

You can also create a new project for the blinker.asm demo as shown below: First create a project in MPLAB: Start MPLAB, select Project Wizard from the Project pulldown menu Step 1: select device PIC10F206 (next) Step 2: Tool suite - Microchip MPASM - (should be default) (next) Step 3: Name project - Blinker and select a directory Step 4: additional files (none - press next) Finish. Open an edit window (File | New | Save as Blinker.asm) Right mouse click on "Source Files" in project window, add blinker.asm Type this into the window: list p=10f206 #include <p10f206.inc> _CONFIG _CP_OFF & _WDT_OFF & _MCLRE_ON & _IntRC_OSC ;**** VARIABLE DEFINITIONS temp EQU 0x10 delay1 EQU 0x11 delay2 EQU 0x12 ****** org 0x3FF org 0x00 movwf OSCCAL bcf OSCCAL,FOSC4 goto MAIN ;subroutines

Appendix A: Blinker.asm

```
delay
     movlw
                 0xfa
                 delay1
0xFF
     movwf
     moviw
     movwf
                 delay2
delay_loop1
     decfsz
                 delay1,F
     goto delay_loop2
     retlw
                 0x00
delay_loop2
     decfsz
                 delay2,F
     goto delay_loop2
     goto delay_loop1
MAIN
     moviw
                 b'11000000'
     option
     movlw
                 b'11110011'
     movwf
                 CMCON0
     moviw
                p,00000000,
     movwf
                GPIO
     movlw
                b'11111001'
     tris GPIO
Loop_here
                 b'00000100'
     movlw
                 GPIO,F
     xorwf
     call delay
     goto Loop_here
END
```