



Pluto 8 Development Kit Getting Started Guide

1 SYSTEM REQUIREMENTS

PC running Windows® 2000 or XP.
(Windows® 95, 98, NT, or ME are not supported)

2 PACKING LIST

Part No.	Description
01-20171	Pluto 8 Debug Board
01-19892	Pluto 8 Evaluation Board
01-20154	Pluto 8 Development Kit CD ROM with Pluto 8 Development Kit Software
63-82899	P&E® Coldfire® USB BDM I/Face Module
63-82514	P&E® Coldfire® Debug Software
21-20347	512MB Compact Flash Card containing demonstration software
63-82516	USB Compact Flash Card Reader/Writer
61-14620	2 off 25-way D-Type Serial Cables
31-81194	25 to 9-Way D-Type Converter
63-82413	Development Kit ATX PSU
63-82256	Mains Cable

3 INSTALLING THE SOFTWARE

Place the CD in the CD-ROM drive of your PC. The Setup program should run automatically. If the installation does not start, open the CD drive by double-clicking the CD drive icon in 'My Computer', and then double-click the 'Setup' icon. Follow the on screen instructions to complete the installation. It is recommended that you choose the Complete Installation and accept the default install path. This will create a **c:\heber-pluto8** directory for the installation.

Following the installation you will be prompted to reboot your computer. It is recommended that you accept this option because until your computer has been rebooted the paths required by the GNU compiler will not be set up.

Install the P&E® In Circuit Debugger software. This software is supplied separately on the P&E® Software CD. Put the CD into your CD-ROM drive. If it does not start automatically, open the CD-ROM drive and double-click the 'Setup' icon to start the installation. It is recommended that you install the P&E® software onto drive C, as problems may be encountered if it is installed to a different drive.

To install and use the Compact Flash card reader/writer refer to the manufacturer's instructions on the driver CD provided with the Development Kit.

The documentation for the Pluto 8 is supplied in either Compiled Help or PDF format. In order to view the PDF files you will need to have Adobe® Acrobat® Reader installed on your computer.

4 CONNECTING YOUR PLUTO 8 BOARD

4.1 Serial cable

The serial cable is a 25 way D-Type male to 25 way D-Type female. Connect the male end to the dataport connector (P23) on the Pluto 8 board or the DATAPORT connector on the Evaluation Board. Fit the 25-to-9 way D-Type converter to the female end of the cable and connect it to a serial port on your PC.

4.2 ICD debug module

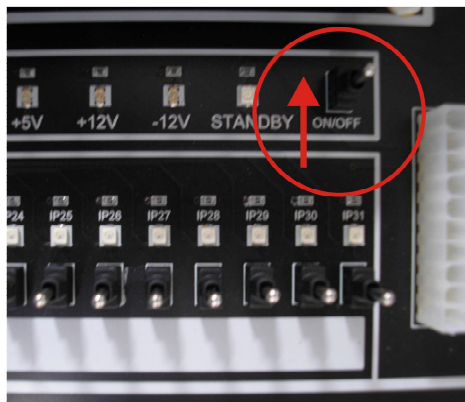
The ICD module has a USB at one end and a 26 way IDC connector at the other. Connect the USB to your PC and connect the 26 way IDC end to the BDM connector on the Pluto 8 board (P4). Ensure that the module USB connector faces towards the battery on the Pluto 8 board (see diagram below).



Pluto 8 BDM Module Connection

4.3 Power supply

Plug the mains cable into the ATX power supply and connect the 20 way ATX connector to the Pluto 8 Evaluation board. The green STAND BY LED will be illuminated. To power up the board turn the POWER switch into the ON position (see diagram below).



Pluto 8 Evaluation Board Power Switch

5 VIEWING THE PLUTO 8 DEVELOPMENT KIT DOCUMENTATION

The Pluto 8 Software documentation is supplied in Compiled Help format. After the Development Kit software has been installed the Compiled Help file can be accessed through the PC 'Start' menu. To open the Compiled Help file, click: Start - Programs - Pluto 8 - Pluto 8 Help.

All of the Pluto 8 documentation can also be found in the C:\heber-pluto8\documentation directory on the PC where the Development Kit is installed.