eZdsp™ TMS320LF2407 HARDWARE KIT
C2000 CODE COMPOSER 4.XX DEVELOPMENT TOOLS
SETUP INSTRUCTIONS - Win95, Win98, Win NT

01/25/2001

Needed Items:

1. eZdsp™ for TMS320LF2407, power supply, parallel cable, and driver diskettes.
2. Computer with Win95/Win98/NT operating system.

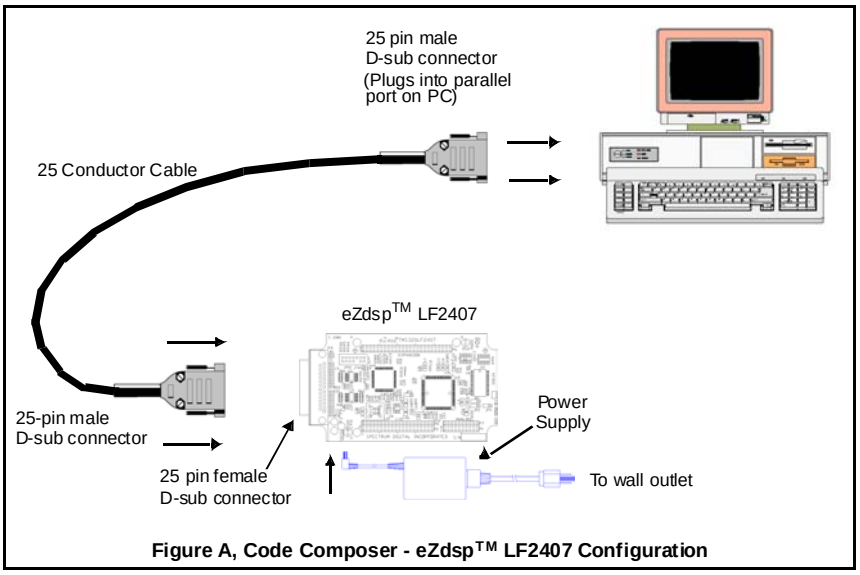

Figure A, Code Composer - eZdsp™ LF2407 Configuration

Debugger Setup Checklist:

1. Reboot your computer and enter the BIOS setup area. Set the LPT1 mode to ECP+EPP, ECP, EPP, or bi-directional. Save the setting and let the PC finish booting up.
2. **Do NOT connect the any hardware at this time.**
3. If installing on a **Win NT** system you **must** log on as **administrator**.
4. Install the C2000 Code Composer Tools CD TMDS324012XX and choose the default options.
5. Reboot your system.
6. Close the setup utility when the computer reboots.
7. Install the Spectrum Digital eZdsp™ TMS320LF2407 software package by placing the CD (505568-6001) from the envelope into the "**d:**" drive and from the task bar select RUN ***"d:setup.exe"***. Select the defaults.

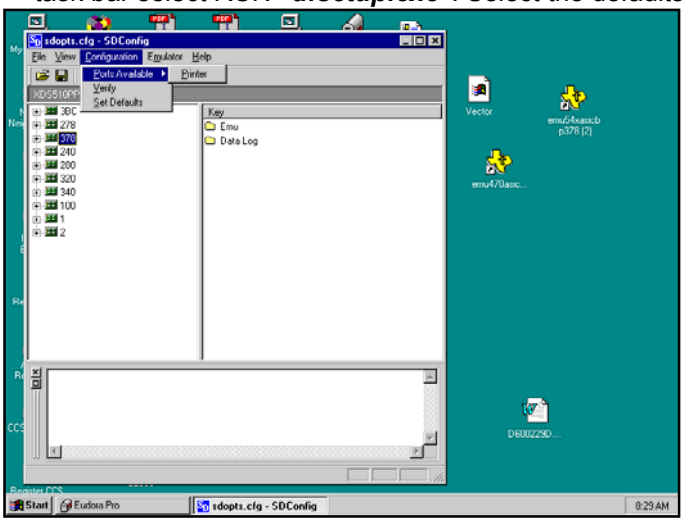

Figure B

8. From the install window, double click on the icon "**sdconfig**". The window similar to the one shown in **Figure B** should appear. From the toolbar select **"Configuration, Ports Available, Printer"**, and the available ports will be shown in the console window.

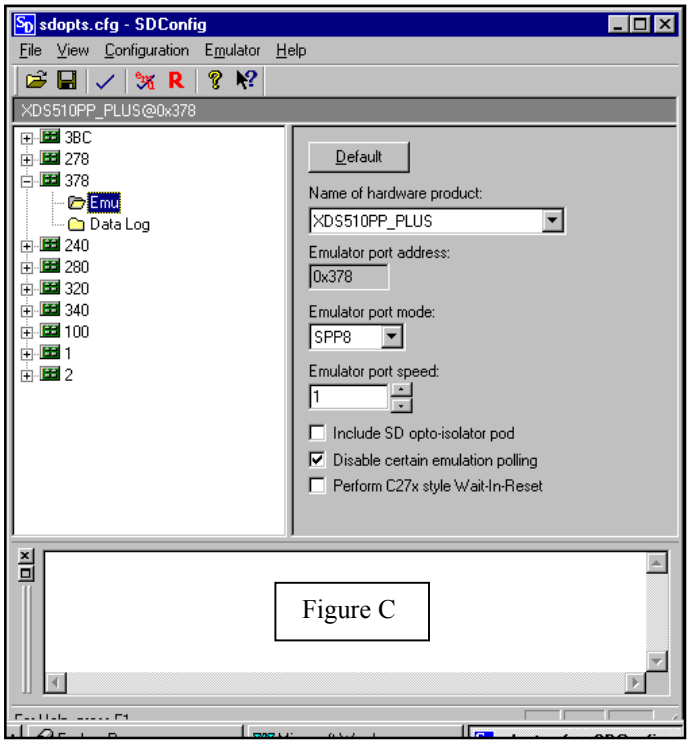

Figure C

9. Double click on the emulator ID (port address) that matches the port selected above. **Figure C** should appear. If changes are made in the configuration select "**File->Save**" (also small floppy on tool bar) before continuing.
10. You can reset your emulator by selecting the large red "**R**" icon in the tool bar. Once your emulator can reset you can proceed with configuring Code Composer.

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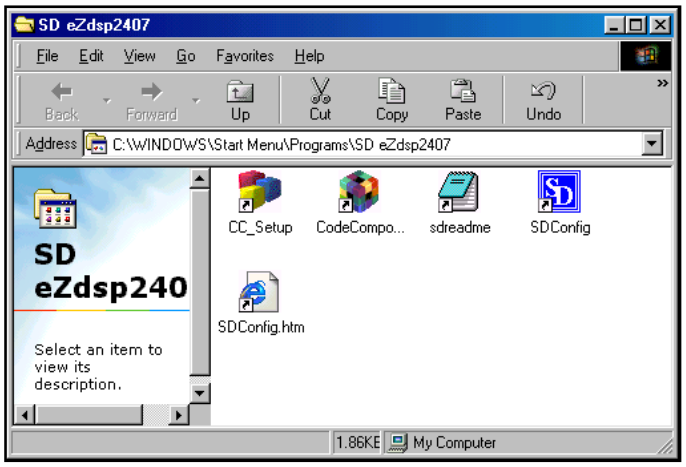

Figure D

11. From the install folder chose the **"CC_SETUP"** icon.

12. The window similar to that in **Figure E** should appear. You can directly import a configuration by selecting **"C2xx PP Emulator",** then selecting **"Add to system Configuration".** It is wise to **"Clear system Configuration"** prior to importing the configuration. If you import the configuration you can go to step 18. If you manually configure, continue with the following steps.

    Note: This window may not appear if this is the second launch and this check box is checked.

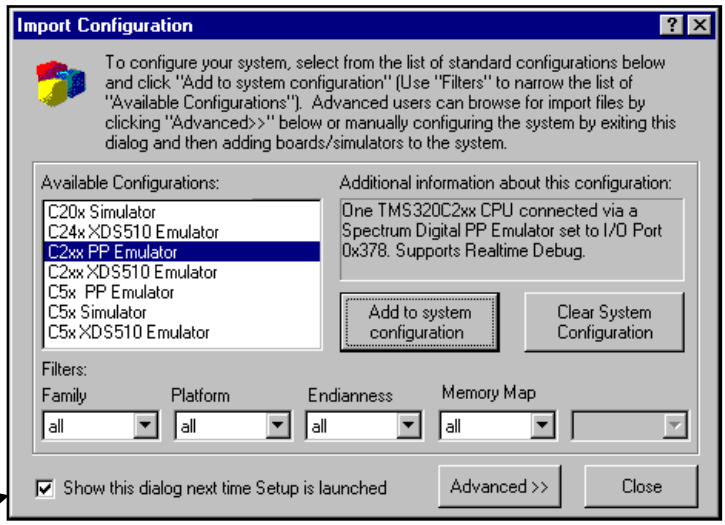

Figure E

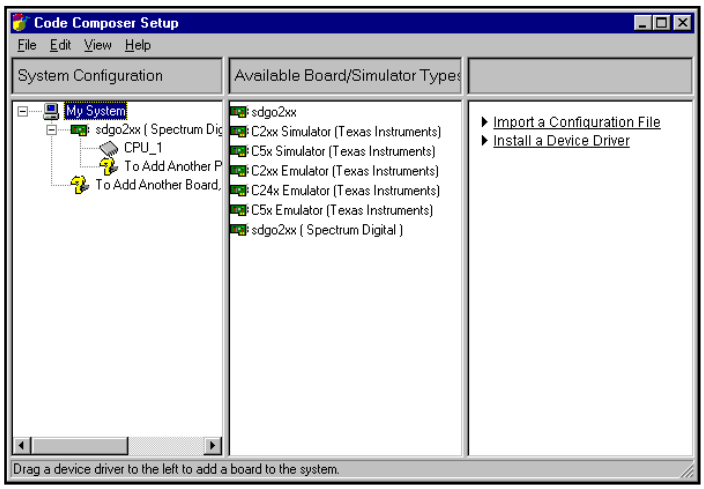

Figure F

13. On the far right of this window choose **"Install a Device Driver"** from the select device driver window. Double click on **"sdgo2xx.dvr"**, then chose Open, and Okey. After this the window shown in **Figure G** should appear.

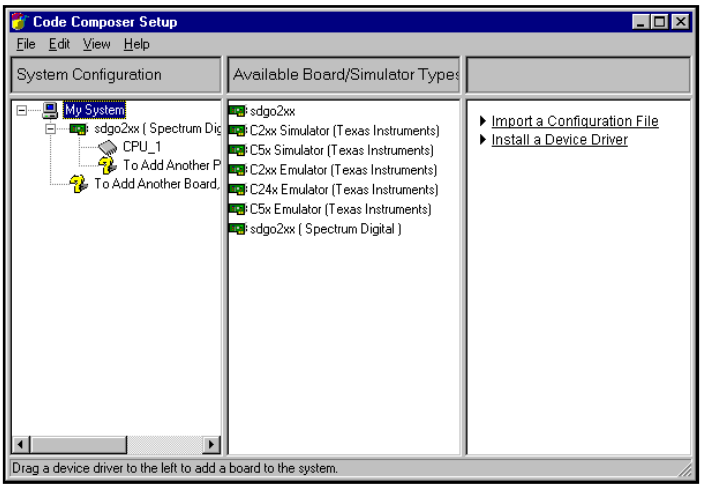

Figure G

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14. Double click on the **"sdgo2xx"** icon under the available board/simulator. This will bring up a properties window similar to **Figure H**.

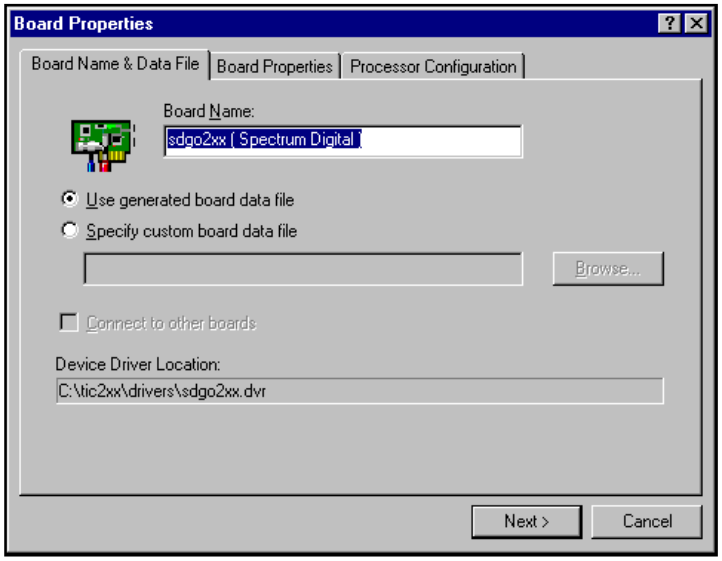

Figure H

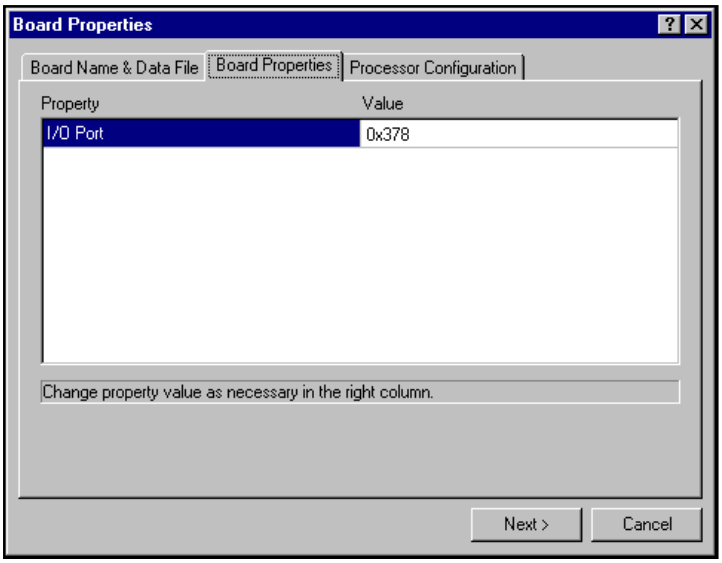

Figure I

15. Select the "**Board Properties**". A window similar to **Figure I** will appear.

16. Enter a value into the **"I/O Port"** address. This is typically "**0x378**". You should have obtained this address in step #8 above. Click "**Next**". The "**Add Processor Configuration**" menu should appear as **Figure J**.

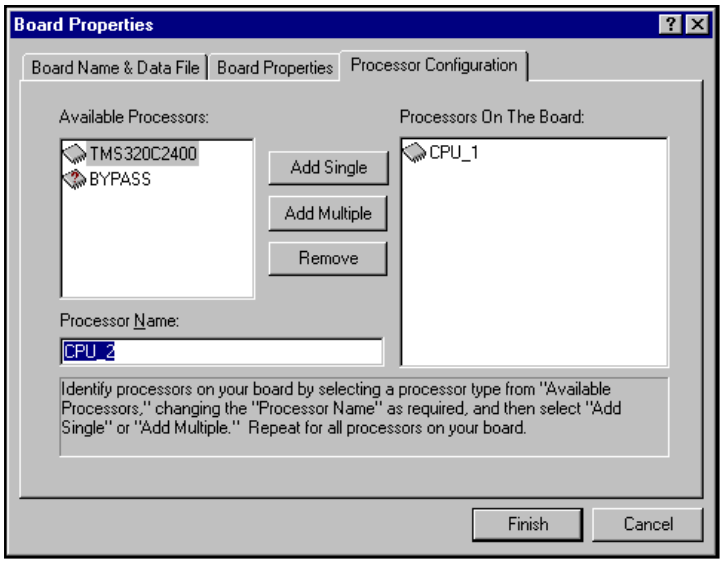

Figure J

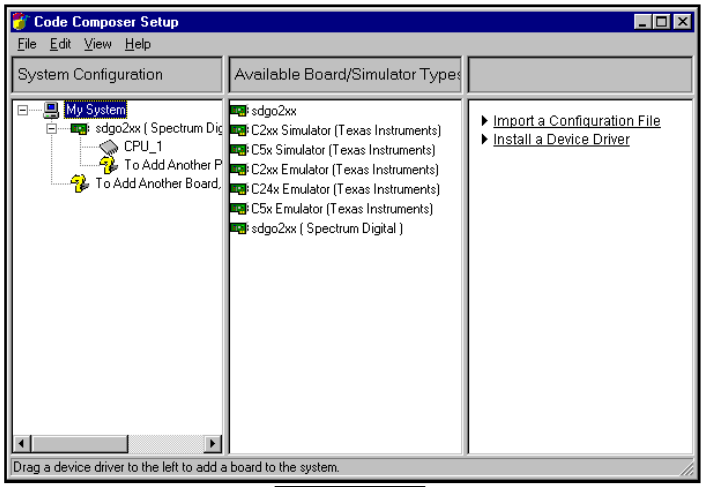

Figure K

17. Click **"Add Single"**. Then click on **"Finish"**. A window similar to **Figure K** should appear.

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18. Click "**File->Save**" and **"File->Exit**" and your system should be configured.

19. From **Figure C** shown at the right click on the **"Code Composer"** icon to launch Code Composer. A window similar to that shown in **Figure M** should appear.

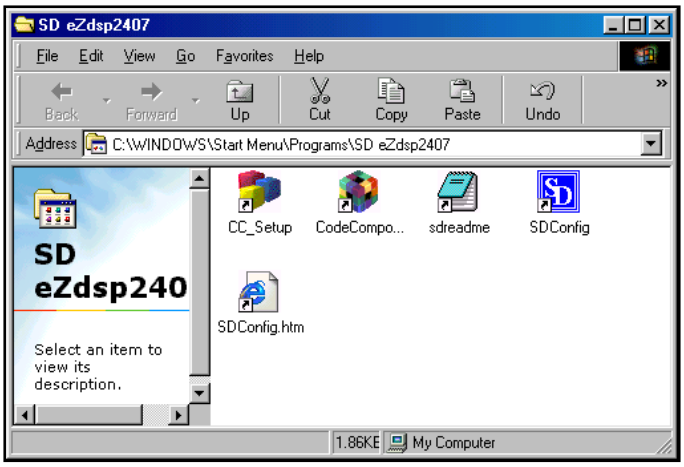

Figure L

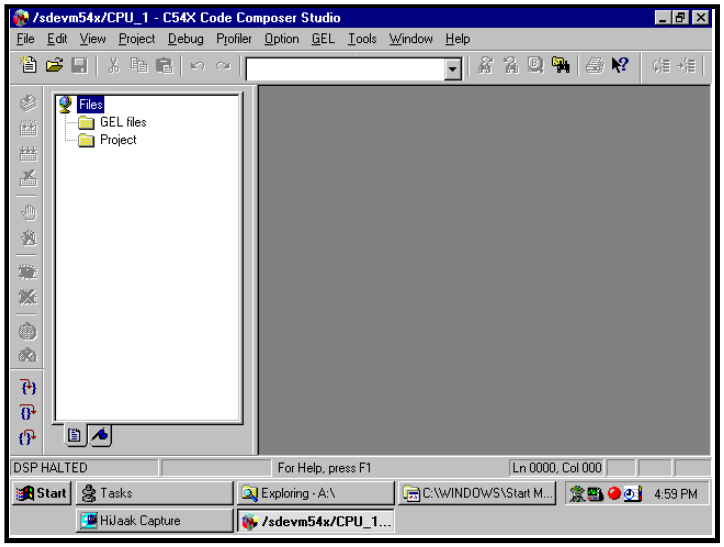

Figure M

Trouble Shooting:

If you have problems try the following:

T1: The most common problem at this point is the "mode" parameter in the ***"sdopts.cfg"*** file. It may not match the hardware setup of parallel port (LPT1) on your computer. This can be verified with the SDConfig Utiltiy.
T2: Reset the computer and enter the BIOS setup. Configure the parallel port to be used to ECP, EPP, EPP 1.9 or bi-directional. ECP or EPP will provide the best performance. Let the computer boot and return to installation in step #6.
T3: If you cannot reset your emulator the port is most likely incorrectly configured. Use the SDConfig Utility to configure your port before attempting Code Composer setup.

Hints:

H1: The eZdsp for the TMS320LF2407 emulator operates with its best performance when the ***"EmuPortMode=EPP"*** in the ***"sdopts.cfg"*** file and the BIOS has the parallel port configured as ***"ECP+EPP"***. The next best option for the BIOS setting is ***"EPP"***. If the ***"EPP"*** option is not available in the BIOS try to using ***"bi-directional"*** and ***"EmuPortMode=SPP8"***.
H2: It is recommended that the *XDS510PP* be used with the power supply provided.
H3: Read through **all** documentation.
H4: Prior to calling Spectrum Digital for support have the following information available: OS type (Win95, Win98, or NT), BIOS parallel port setting, the port being used, the contents of the ***"sdopts.cfg"*** and ***"SdEmulog.txt"*** files.

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