Summary

The following describes how the user can set up the PROM so that they can interactively execute funcions with a prom in socket 3.

Description

While developing with RAM or battery backed RAM in socket 3, it is easy to debug C code by interactively executing individual functions. When the RAM in socket 3 is replaced with a PROM containing the same code, the interactive execution used before will no longer work.

Following the steps outlined below will allow the user to set up the PROM so they can interactively execute functions with a PROM in socket 3.

1. Send the .TXT file to the QED Board over the serial communications port.

2. Type the following

    HEX LATEST

you should see the address and page on the terminal:

    HEX LATEST ok (2) \ 6123 \ 5

Your number will be slightly different. Write these 2 numbers down, you will need them in step 4. This number points to the last defined name used by interactive forth monitor.

3. Consult your USER.H header file and make a definition like that of UABORT. Put this in your source file, do not add it to the USER.H file. It should look something like this:

#define VFORTH(TASKBASE>USER_AREA.user_vforth)

4. In main(), add assignment

    VFORTH = 0x056123

(where the number is the 32 bit address you obtained in step 2)

assigning 32 bit address to vforth in user area.

5. Recompile your code and download to QED Board.

6. Burn PROM including the Names Area in the PROM.

• For "make" icon, the names area starts at 0x6000 on page 5
• For "rebuild" icon (multipage), the names area starts at 0x4000 on page 7

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