

Re: PIC and EEPROM modules

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coetzee.evert@xxxxxxxxxx wrote:

Hi guys

I'm currently using a PIC16F84 for a project. I need to use more EEPROM than I have on the chip. So I'm considering adding a memory module to store the additional data. I have no idea what my options are, which will be the easiest to implement etc.

I dont even need the PIC to write the data to the EEPROM. I would like to use my computer to program the EEPROM (max 1Mb) and then just use the PIC to read it (I do the same currently with the PIC. Write EEPROM data with the pic programmer and then read the data with the PIC).

I've been to microchip's website but I don't really get a noobguide to what my choices are. Seems like there's at least two architectures I2C and SPI. Which will be best? Any suggestions?

Thanks

Some design considerations.

How many pins do you have left on the 16F84 ?

How much code space do you have left in the 16F84 ?

The 16F84 does not have an SPI or I2C controller on board. You will need to bit-bang the lines to the external EEPROM.

With these assumption, what can you do with your design ?

Also, getting any data from your PC into the EEPROM.

Do you have an external programmer, do you want to code another PIC to interface to a serial/parallel port on your PC.

Do you want to remove the EEPROM from the target board to reprogram it ?

All these things can be done, you need to make a decision about what you want to do.

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One last thing, are you programming in assembly or C ?

donald

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