

Re: LPT square wave

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- *From:* docent@xxxxxxxx
 - *Date:* 4 Oct 2006 13:16:41 -0700
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Thanks a lot. I'll try it.
Regards,
Mike

GM wrote:

<docent@xxxxxxxx> wrote in message
news:1159949547.624798.43040@xx

Generating SPI with software using the PC printer port is quite easy, just follow the timing diagram. The clock doesn't have to be a conventional square wave, just drive it high and low at the correct time with the data line held high or low. Connecting a 74HC595 with LEDs on the outputs to the printer port can be useful when debugging the software, the 74HC595 is SPI-compatible and makes it easy to see when you have got it right. I have one mounted on a small PCB with the LEDs.

Thanks for the answer. Can you tell me is it better to use some kind of timer or just plain delays?

Plain delays (for example 'for' loops) will be depended on the system speed. In other words, as an example, the same loop would be faster in a Pentium than in a 486. In a Windows program that I've coded for programming AVR chips, I used the High-Performance Timer instead of the plain old Timer that gives no less than 10ms interval, thus achiving tolerant (from the user's view) programming speeds

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Here is a link on how to use it

<http://www.mtsu.edu/~csjudy/directX/HighPerformanceTimer.html>

Regards

GM