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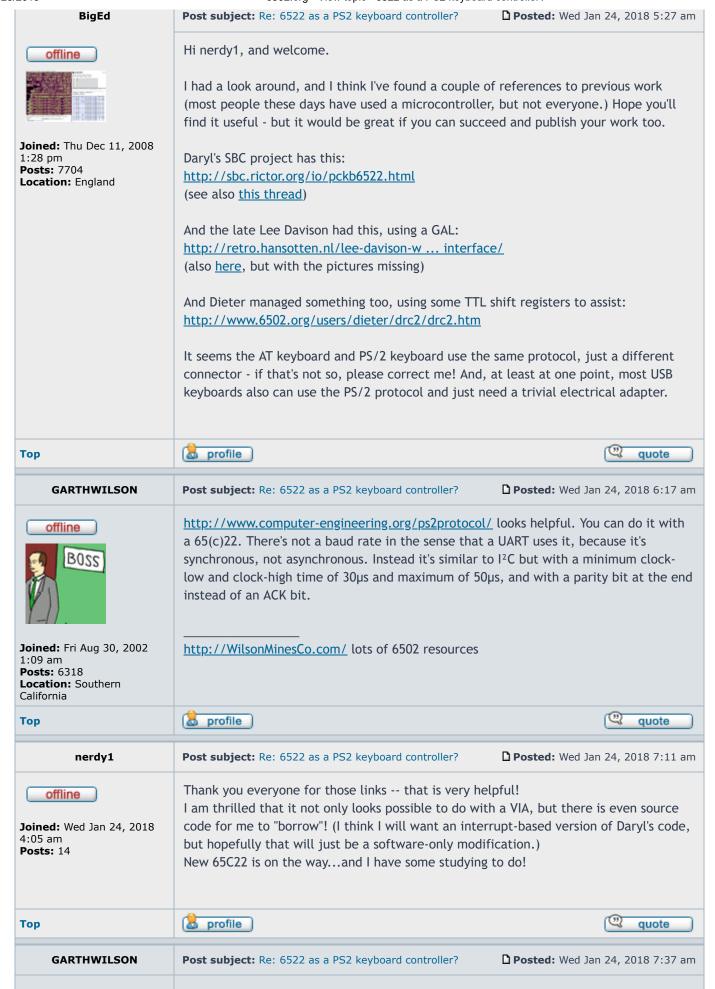
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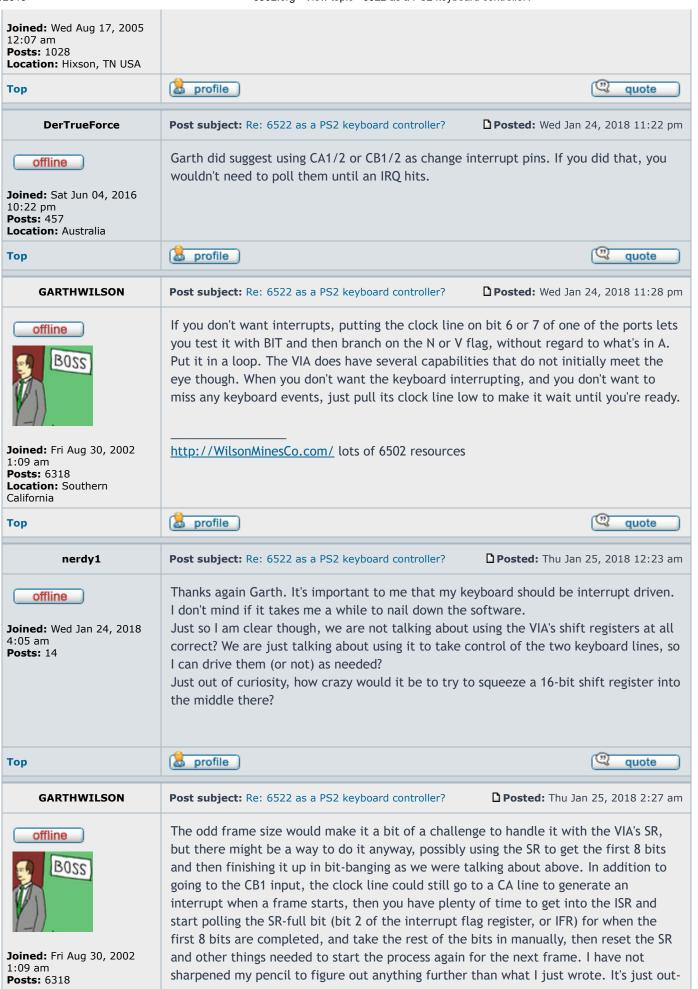
## 6522 as a PS2 keyboard controller?

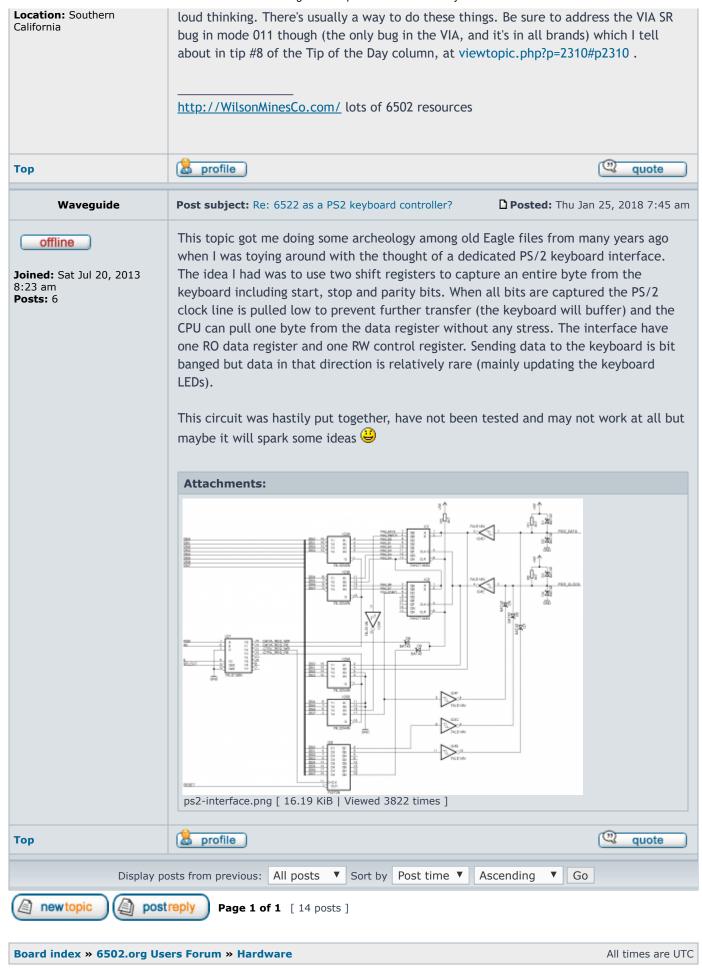


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Author	Message	
nerdy1	Post subject: 6522 as a PS2 keyboard controller?	☐ <b>Posted:</b> Wed Jan 24, 2018 4:56 an
offline	Hello all,	
Joined: Wed Jan 24, 2018 4:05 am Posts: 14	I was wondering if any of you had ever heard of, or had experience with, using a 6522 as a keyboard controller for a PS/2 keyboard? I don't wish to use a microcontroller in my design, but I also don't wish to design and build my own keyboard!  The PS2 keyboard protocol is kind of funky with an 11-bit packet and no common BAUD rate (it just pulses the clock "whenever it feels like it?" I see rates reported from 10kHz to 30kHz.) I can't wrestle that protocol with a typical UART. I'm not even sure it could be done with a 6522 but I thought I would ask.  My fall-back position is to maybe connect the keyboard data line to a single data line on a regular peripheral interface adapter (or some other kind of latch?). I need the keyboard clock falling low to signal an interrupt on the CPU, but it can't be tied directly it needs to just pulse, so the IRQ line can return to high. Keyboard data line is valid while the clock line is low, so I could in theory then try to bit-bang the keyboard's serial data directly from the CPU. I am all still new to the hardware side of this stuff so I expect there are obvious things that I am missing.  Your thoughts and comments are much appreciated!	
Гор	2 profile	(Q) quote
DerTrueForce	Post subject: Re: 6522 as a PS2 keyboard controller?	☐ <b>Posted:</b> Wed Jan 24, 2018 5:26 an
offline  Joined: Sat Jun 04, 2016	I don't know anything about implementing PS2, but if you're willing to code scanning and decoding the keyboard, you could use one of <a href="mailto:these.">these.</a> 2016  Last edited by DerTrueForce on Wed Jan 24, 2018 5:33 am, edited 1 time in total.	
10:22 pm <b>Posts:</b> 457		
Location: Australia		









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