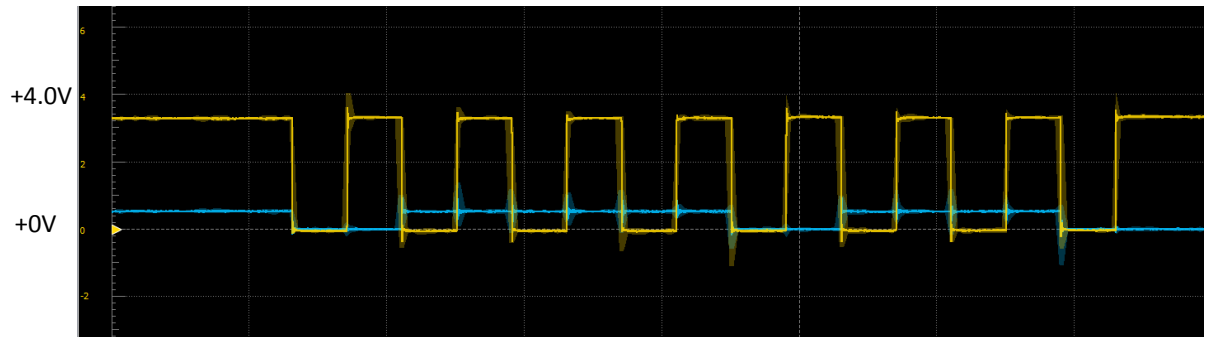
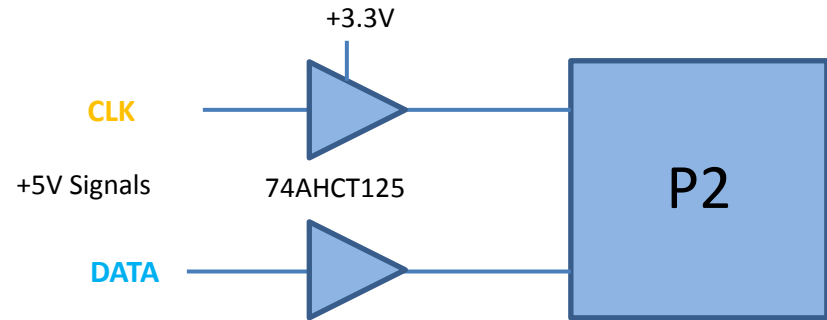


SMART PIN DISABLED (measured at P2 pin)

I have a measurement sensor that has a 5V sync serial interface. I am trying to interface this to the P2. I am using a 74AHCT125 to level shift from 5V to 3.3V. The signals look good until I run my code – when the Smart Pin Sync Serial Mode is enabled the signal level on the DATA pin is pulled down to 0.5V. I've tried using different I/O pins on the P2 – but the problem is the same.

My code is based on an example I found in the Smart Pins document REV 5 (see attached).



SMART PIN ENABLED (measured at P2 pin)