

EE 3921

Dr. Johnson

Homework 8



2 – In EE2920 you needed to use a digital line sensor. The sensor required you to pull a pin high for 100us, then change the same pin to an input and determine when it fell below the input logic threshold to a 0. 60pts

- a) Identify the Platform Designer parameters for an 8 bit PIO to support this operation.
- b) Write a snippet of code to force the pin(bit 4) high for 100us, and then release the pin. Include a test for when the input is recognized as a 0 with approximately 10us resolution. (you can assume `usleep()` is available)