Lab2:

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| Parameter | Minimum | Typical | Maximum | Units | Description |
| W |  | 0(low) |  | V/logic | On Board Button, LSB for digit select |
| X |  | 0(low) |  | V/logic | On Board Button, MSB for digit select |
| Digit\_1 |  | 0(low) |  | V/logic | Digit 1 select |
| Digit\_2 |  | 0(low) |  | V/logic | Digit 2 select |
| Digit\_3 |  | 0(low) |  | V/logic | Digit 3 select |
| Digit\_4 |  | 0(low) |  | V/logic | Digit 4 select |
| A\_out |  | 0(low) |  | V/logic | A segment Out |
| B\_out |  | 0(low) |  | V/logic | B segment Out |
| C\_out |  | 0(low) |  | V/logic | C segment Out |
| D\_out |  | 0(low) |  | V/logic | D segment Out |
| E\_out |  | 0(low) |  | V/logic | E segment Out |
| F\_out |  | 0(low) |  | V/logic | F segment Out |
| G\_out |  | 0(low) |  | V/logic | G segment Out |

This program displays the last 4 digits of my student number (24742900), each digit can be selected using the W and X buttons, S1 and S2 on board respectively. This program requires 5v from the USB input