Lab 3 – Prototype Phase 1

ECE 298 – S2021

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| Lab Section: |  | Group: |  |

# Part 1 – Pin Mapping

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| --- | --- | --- |
| MCU Pin | Pin Mode | Functional Description |
| PA0 | GPIO\_Input | Monitors the ECHO signal from an external device |
| PA4 | GPIO\_Output | Send trigger for the ultrasonic sensor module |
| … |  |  |

# Part 2 – MCU Resources

|  |  |
| --- | --- |
| MCU Resource | Functional Description |
| USART6 | Communicates with the LCD screen module |
| TIM4 | Generate PWM signal for DC motor driver FETs |
| … |  |

# Part 3 – Test Cases

## {Device/Subsystem 1}

### Test Summary

### Schematics and Simulations

## {Device/Subsystem 2}

### Test Summary

### Schematics and Simulations