# Pin Mapping

All switches to use interrupts to deal with switch changes immediately(Especially the emergency brake).

There are 6 hardware interrupts.

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| **Pin** | **Function** | **Note** |
| D22 | Engine |  |
| D23 | Auto Drive |  |
| D24 | Right Door |  |
| D25 | Left Door |  |
| D26 | Interior Light |  |
| D27 | Exterior Light |  |
| D28 | Emergency Brake |  |
| D29 | Service Brake |  |
| D30 |  |  |
| D31 |  |  |
| A0 | Accelerate |  |
| A1 | Service Brake |  |

# PID loop in arduino