Table

Description automatically generated**Arduino Pin Map**

|  |  |  |
| --- | --- | --- |
| Pin | Connection | Voltage |
| 2 | Drill step |  |
| 3 | Mirage step |  |
| 5 | Pump relay |  |
| 6 | Heater relay |  |
| 7 | Limit Switch |  |
| 8 | Drill direction |  |
| 9 | Mirage Direction |  |
| 10 | Load cell data |  |
| 11 | Load cell clock |  |
| 13 | Drill relay pin |  |
| 18 | RPM sensor interrupt |  |
| 31 | Thermo couple Do |  |
| 33 | Thermocouple CS |  |
| 35 | Thermocouple Clk |  |
| A0 | Current Sensor |  |
| A1 | Heater module pin |  |
|  | Drill RPM In | 120 V AC |
|  | Drill RPM Out | N/A |
|  | Drill RPM Com | N/A |
|  | Drill RPM servo | 5V |

|  |  |
| --- | --- |
| 3 | pump |
| 14 | heater |
| 16 | relay |

**I/O Pins Relay pins**