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ELEN 123

Prelab 1

**Table 1:** List of Electronic Components required for lab 1.

|  |  |
| --- | --- |
| **Component** | **Datasheet** |
| Arduino Mega 2560 | https://www.arduino.cc/en/Main/arduinoBoardMega2560 |
| LED (Red) | https://drive.google.com/drive/u/1/folders/0B9QoXLfIKGHVVFdzdGdQVnlkUm8 |
| 100 kOhm resistor | https://drive.google.com/drive/folders/0B9QoXLfIKGHVNHM3Q2JYRmRlRmM |
| 330 Ohm resistor | https://drive.google.com/drive/folders/0B9QoXLfIKGHVNHM3Q2JYRmRlRmM |
| X8 DIP switch | https://drive.google.com/drive/folders/0B9QoXLfIKGHVNHM3Q2JYRmRlRmM |

Digital Input/Output Pins

For digital input/output we can use any of the pins numbered between 22-49. Any 8 of these will work for digital input and we can choose any one of the remaining 20 for digital output.



**Figure 1:** photo of lab partners working on prelab 1.