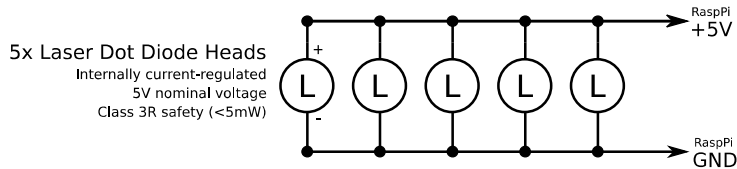


# Circuits and Connections for the Five-String Laser Harp

Diagrams created by Scott Feister on March 7, 2018 for the middle school Laser Harp project.

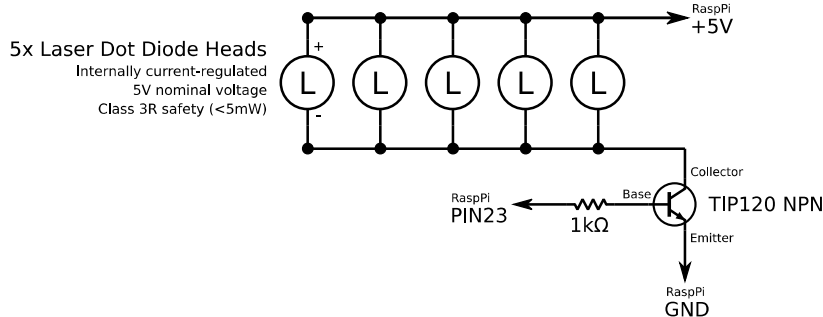
## Laser Fast-Check Circuit

This circuit is for testing that your lasers work properly, before building the Laser Control Circuit.



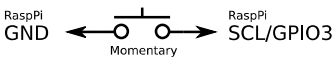
## Laser Control Circuit

This circuit lets the Pi control whether the lasers are on or off.



## Power Button Circuit

This circuit connects the power pushbutton to the Pi.



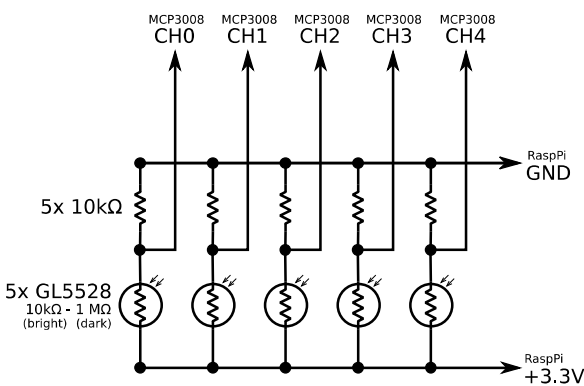
## Calibration Button Circuit

This circuit connects the calibration pushbutton to the Pi.



## Photoresistor Circuit

This circuit converts photoresistor resistance into measurable voltage.  
Photoresistor resistance changes depending on incident light.



## MCP3008 Connections Diagram

Enables Pi to take voltage measurements.  
MCP3008 is an analog-to-digital converter (ADC).

