





The PCB layout is shown from a top-down perspective. The components are arranged as follows:

- Top Edge:** A USB port is located at the top left. A 5V regulator (LM7805) is located at the top center. A 5V pin header is located at the top right.
- Left Edge:** A 5V pin header is located on the left edge. A 5V pin header is located on the left edge. A 5V pin header is located on the left edge.
- Right Edge:** A 5V pin header is located on the right edge. A 5V pin header is located on the right edge. A 5V pin header is located on the right edge.
- Bottom Edge:** A 5V pin header is located on the bottom edge. A 5V pin header is located on the bottom edge. A 5V pin header is located on the bottom edge.
- Internal Components:** The HMC5883L is located in the center. The MPU6050 is located at the bottom. Various resistors and capacitors are placed around the sensors.

The PCB is designed by Kevin Shen.

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