Prelab:

Do a very quick read of the gryoscope sensor datasheet (MPU-6050-Datasheet.pdf) as posted on MyCourses. Spend 10-15 minutes focusing on sections 3, 4, 5, the block diagram of section 7.5, sections 7.7, 7.10, and 9.1-9.4. In this lab we will only be using the Main I2C serial data bus.

Solder the header pins onto your gyro sensor (MPU-6050).

How to Succeed With This Prelab:

Follow the wiring color code exactly as shown in the pictures. Your lab instructor will want you to re-wire anything that doesn’t match the color code.

**SECTION 1 – Solder header pins onto the gyroscope printed circuit board**

Solder header pins on the gyro chip in your lab kit, as shown in the figure below.

