chipKIT™ Max32™ Jumper Settings
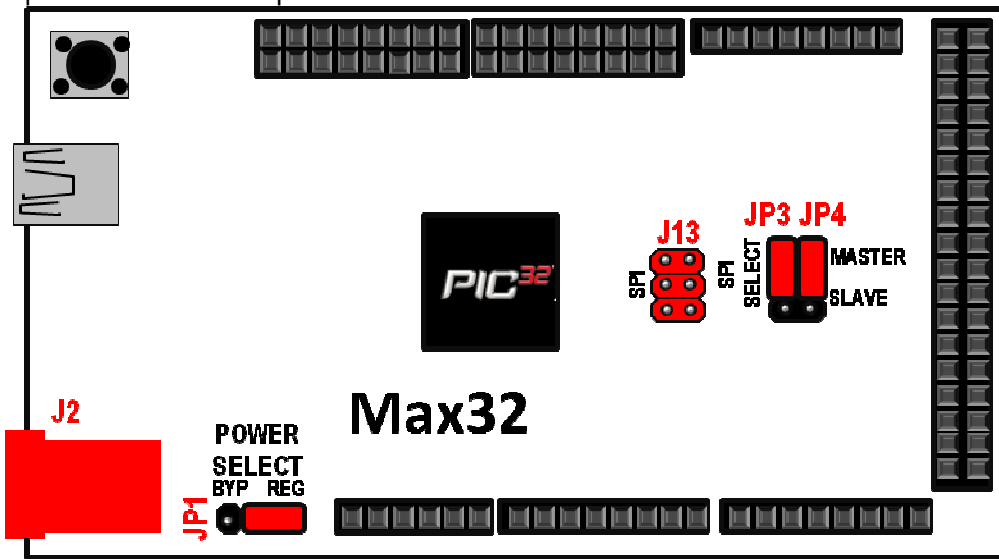
The chipKIT™ Development Platforms are based off the PIC32 Microcontroller. These are 32-bit products that bring unprecedented features to the Arduino™ community. In order to maintain compatibility with existing hardware/software while maintaining user accessibility to these advanced features, additional jumpers and row headers are provided. This document describes the functionality of the jumpers listed in figure 1.

Figure 1: chipKIT™ Max32 Jumpers

Jumper	Function
JP1	**POWER SELECT: Used to connect/bypass on-board 5V regulator when using a power supply connected to J2**

J4 supply is regulated (i.e. 5V will be present on 5V pin)

J4 supply bypasses regulator (i.e. Supply voltage will be present on 5V pin)

Note: A 3.3V on-board regulator will always be enabled regardless of JP1 settings to protect the PIC32 MCU

Not sure what this does? Play it safe and keep JP1 on the two right-most pins. (i.e. J2 supply is regulated)

JP3/JP4   **SPI SELECT: Used to configure the chipKIT™ as either a Master or Slave when using the SPI (Serial Peripheral Interface). The chipKIT™ board can be connected to another device or even another chipKIT™ through the SPI connector (J13).**

chipKIT™ configured as a SPI Master

chipKIT™ configured as a SPI Slave

For more information on SPI, please visit Wikipedia's SPI page at:
http://en.wikipedia.org/wiki/Serial_Peripheral_Interface_Bus#Mode_Numbers