MSP430 Pinouts

**Master (1 of these)**

/\* Pin 1.0 SS1 (Active high)

\* pin 1.1 UART RX

\* Pin 1.2 UART TX

\* Pin 1.3 SS2 (Active high)

\* Pin 1.4

\* Pin 1.5 SPI Clock

\* Pin 1.6 SPI SOMI

\* Pin 1.7 SPI SIMO

\* Pin 2.0 Relay1

\* Pin 2.1 Relay2

\* Pin 2.2 Relay3

\* Pin 2.3 Relay4

\* Pin 2.4

**Slaves (2 of these)**

/\* Pin 1.0 A0

\* pin 1.1 A1

\* Pin 1.2 A2

\* Pin 1.3 A3

\* Pin 1.4 SS

\* Pin 1.5 SPI Clock

\* Pin 1.6 SPI SOMI

\* Pin 1.7 SPI SIMO

\* Pin 2.0

\* Pin 2.1

\* Pin 2.2

\* Pin 2.3

\* Pin 2.4

* SPI clocks connect to each other, SPI SOMI connect to each other, SPI SIMO connect to each other
* All MSP’s must be common grounded
* All slaves must common ground with what it’s measuring
* Master must common ground with XBEE module
* SS is SS1 for one slave and SS2 for the other slave
* A0 – A3 measure the sensors (like to have voltage and current from same location right after each other on same MSP if possible)