**DC barrel plug: 6-20V**
Module can be powered by the USB or DC supply. When plugged in simultaneously the DC supply powers the board.

**Self Power Module**
Advanced users only – will void warranty. R31 must be depopulated to power module using V+ and GND from J2 and J5. Sense lines can be connected to S+ and S- for sensing power supplies. **CAUTION:** Voltage not regulated. Applying incorrect voltage can cause fire and serious injury. See Note 1.

**Current Testing**
Depopulating R31 allows a current probe to be inserted across P6 terminals. The current though P6/R31 powers the module only. Other supporting circuitry is powered by a different trace.

**Loopback Jumper**
Populating P8 with a loopback jumper causes transmissions both from the module and from the USB to loopback.

**Programming Header**
Header used to program XBee Programmable modules.

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**LED Indicator**
Yellow: UART Tx, RF Rx 
Green: UART Rx, RF Tx 
Red: Associate

**RSSI Indicator**

**Indicator LEDs**
DS5: ON/SLEEP 
DS2: DIO12 
DS3: DIO11 
DS4: DIO4

**SPI Power**
Connect to power board from 3.3V

**SPI**
Only used for SMT modules

**User Buttons**
Connected to DIO lines for user implementation

**NOTE 1:** Powering board with J2 and J5 without R31 removed can cause shorts if USB or barrel plug power is connected. Applying too high of a voltage will destroy electronic circuitry in the module and other board components and/or cause injury.