

# XBIB-U-DEV Reference Guide

**20 Pin Header**  
Maps to standard through hole XBEE pins

**Through Hole XBee Sockets**

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

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

**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.

**SPI**  
Only used for SMT modules

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

**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.

**Reset button**

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

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

**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.

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

**USB**

**RSSI Indicator**

**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.

