XBIB-U-DEV Reference Guide

20 Pin Header
Maps to standard through hole XBEE pins

Through Hole XBee Sockets

Indicator LEDs
DS5: ON/$\overline{\text{SLEEP}}$
DS2: DIO12
DS3: DIO11
DS4: DIO4

Programming Header
Header used to program XBee Programmable modules

SPI
Only used for SMT 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 Power
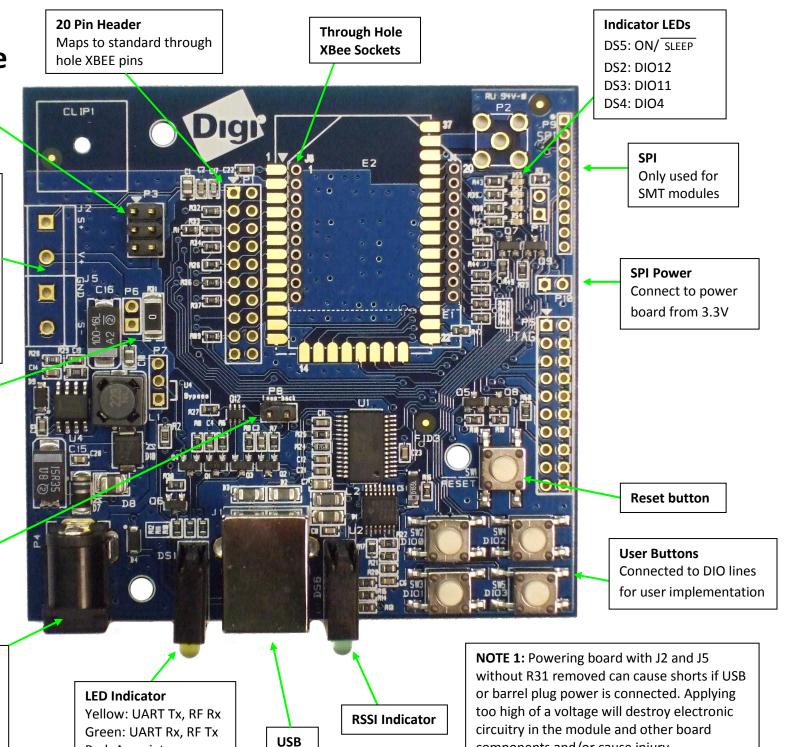Connect to power board from 3.3V

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

RSSI Indicator

USB

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.