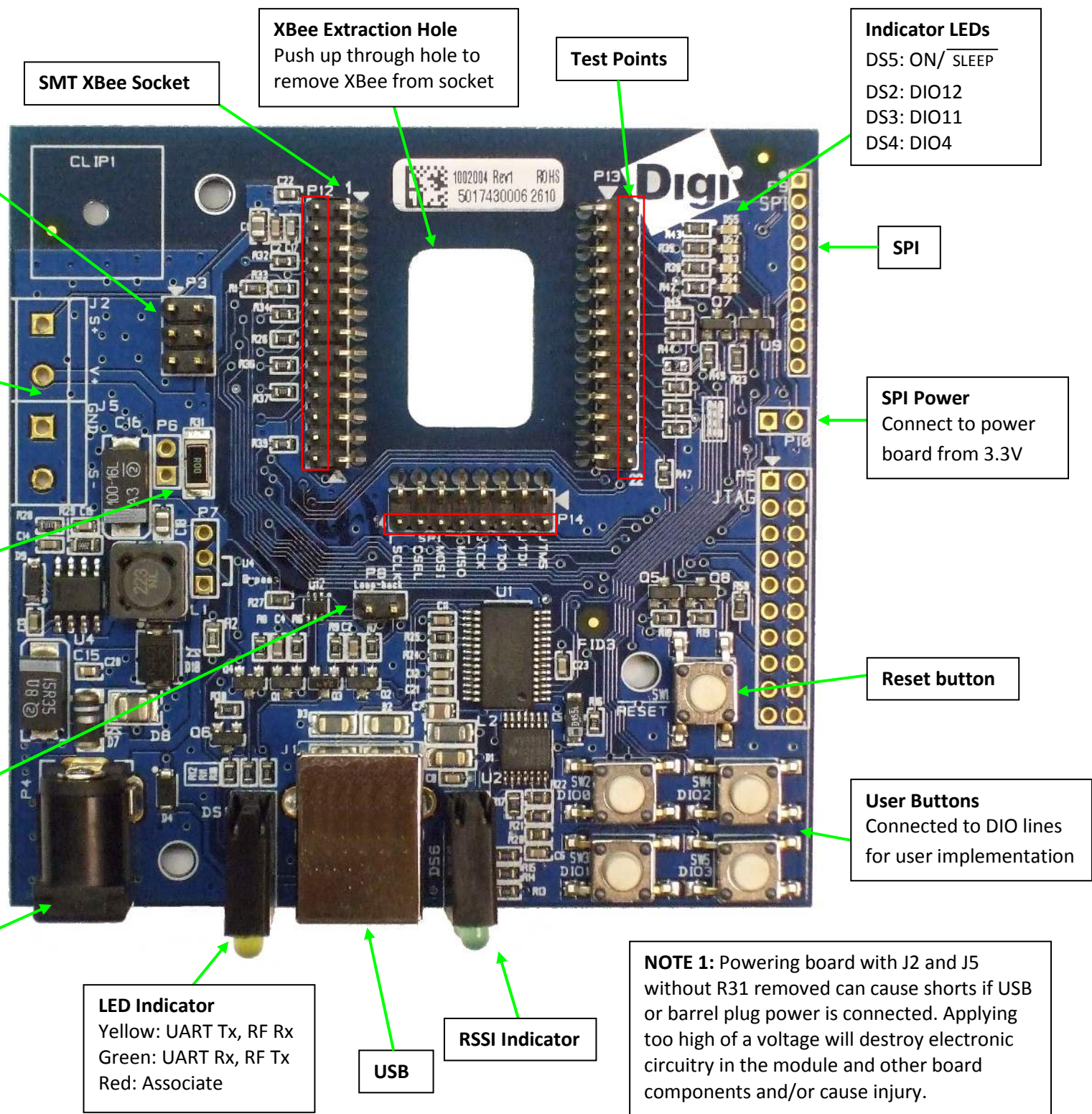


XBIB-U-SS

Reference Guide



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

Test Points

XBee Extraction Hole
 Push up through hole to remove XBee from socket

SMT XBee Socket

SPI

SPI Power
 Connect to power board from 3.3V

Reset button

User Buttons
 Connected to DIO lines for user implementation

RSSI Indicator

USB

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

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.

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

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.

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.

Programming Header
 Header used to program XBee Programmable modules

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.