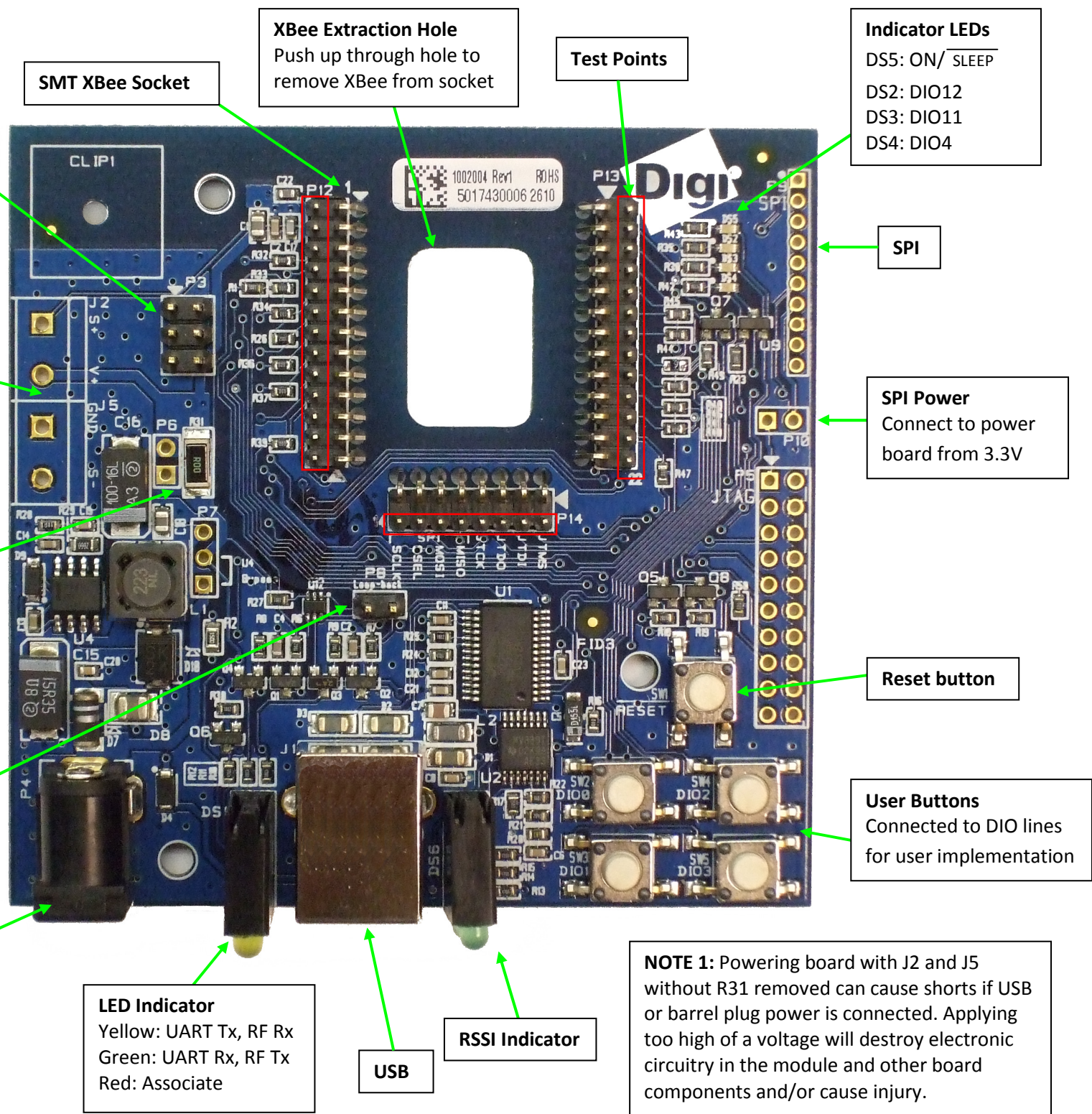


# XBIB-U-SS

## 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.

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