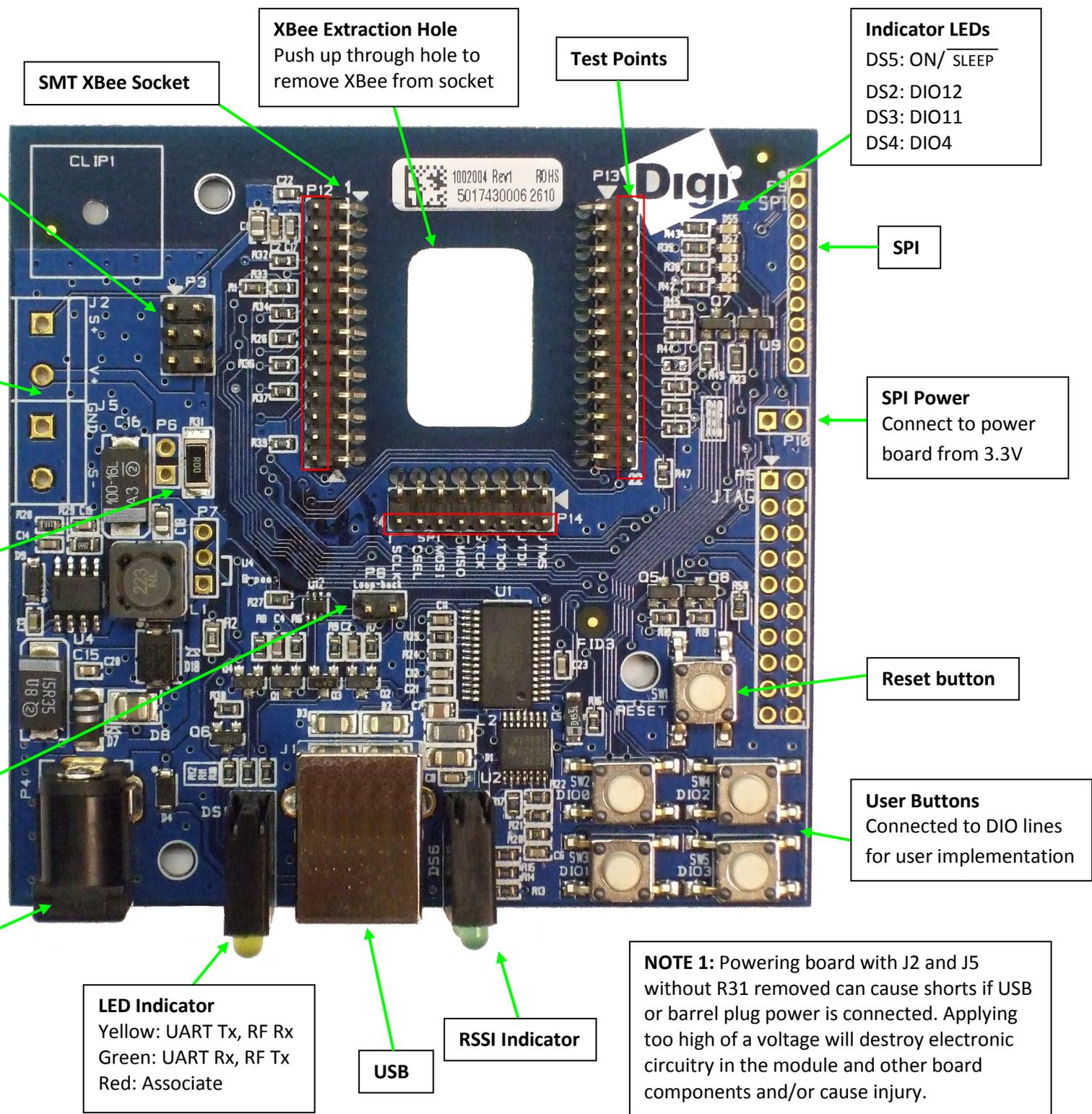


XBIB-U-SS

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.

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.

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.

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.

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