

XBIB-U-DEV

Reference Guide

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 through
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.

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

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

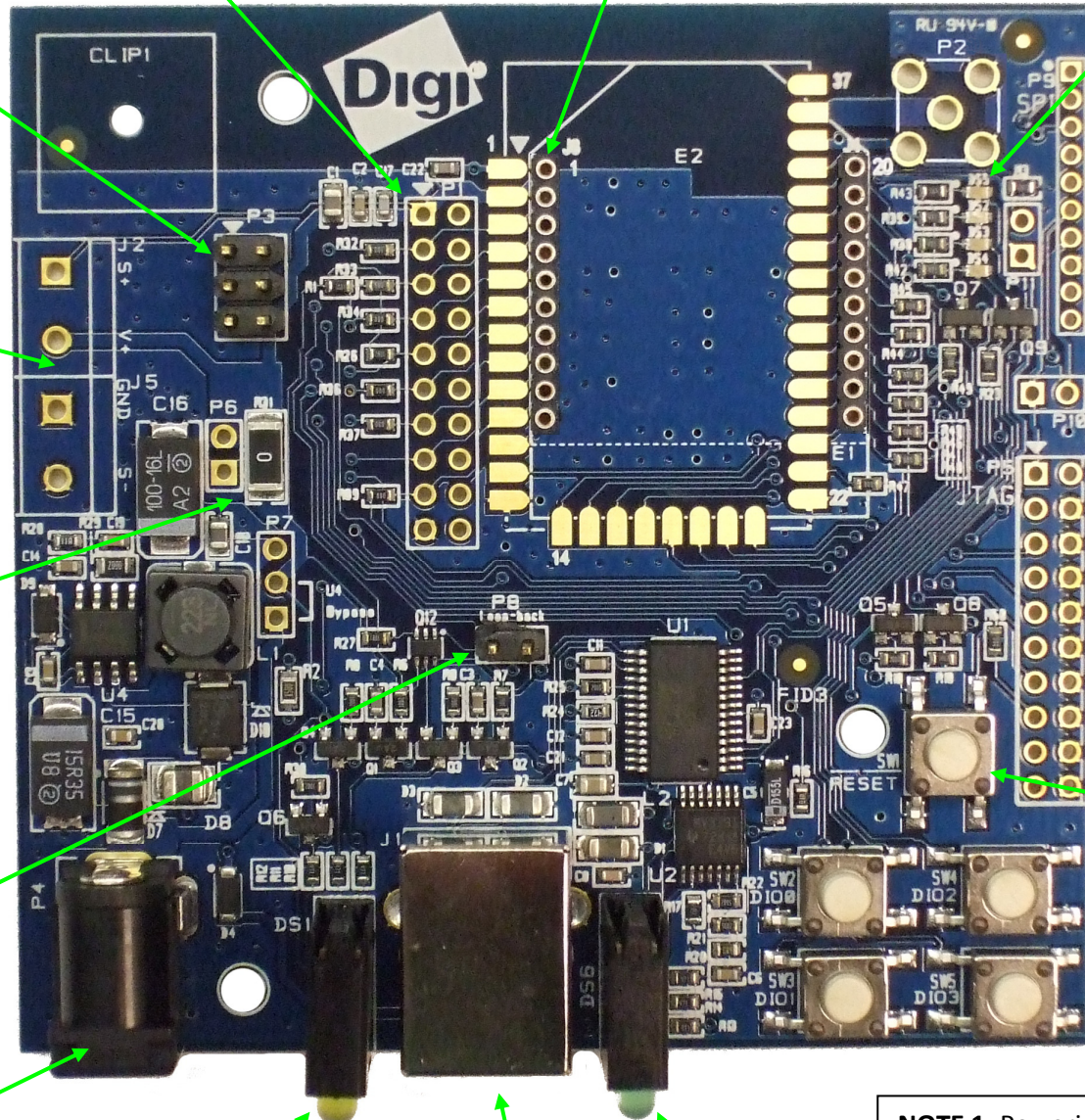
SPI
Only used for
SMT modules

SPI Power
Connect to power
board from 3.3V

Reset button

User Buttons
Connected to DIO lines
for user implementation

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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