XBIB-R-DEV Reference Guide

20 Pin Header
Maps to standard through hole XBEE pins

Through Hole XBee Headers

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.
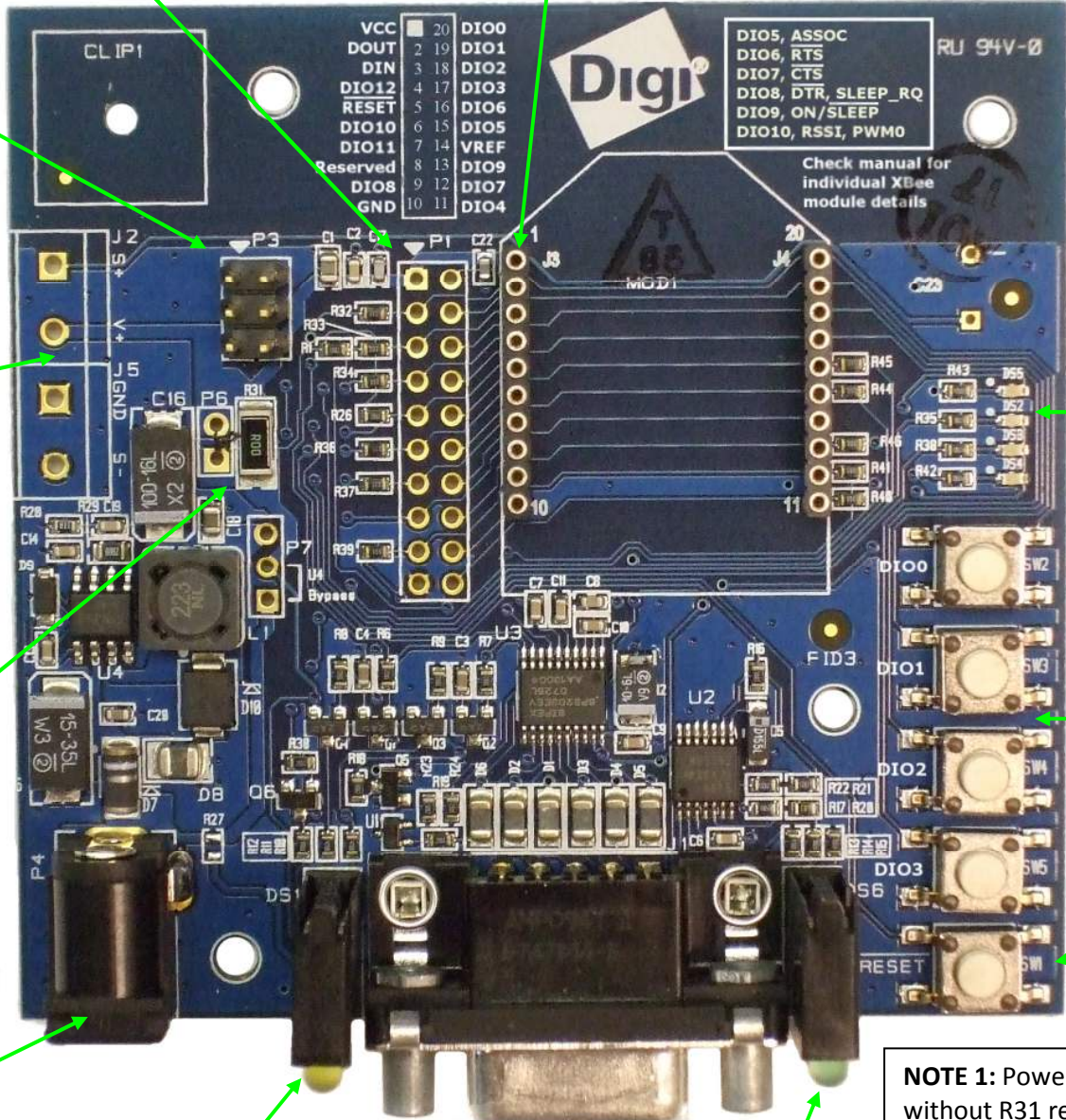
DC barrel plug: 6-20V

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

RS232

RSSI Indicator

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

User Buttons
Connected to DIO lines for user implementation

Reset button

NOTE 1: Powering board with J2 and J5 without R31 removed can cause shorts if 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.

On-board silkscreen pin map:

VCC	20	DIO0	
DOUT	2	19	DIO1
DIN	3	18	DIO2
DIO12	4	17	DIO3
RESET	5	16	DIO6
DIO10	6	15	DIO5
DIO11	7	14	VREF
Reserved	8	13	DIO9
DIO8	9	12	DIO7
GND	10	11	DIO4

DIO5, ASSOC
DIO6, RTS
DIO7, CTS
DIO8, DTR, SLEEP_RQ
DIO9, ON/SLEEP
DIO10, RSSI, PWM0

Check manual for individual XBee module details