



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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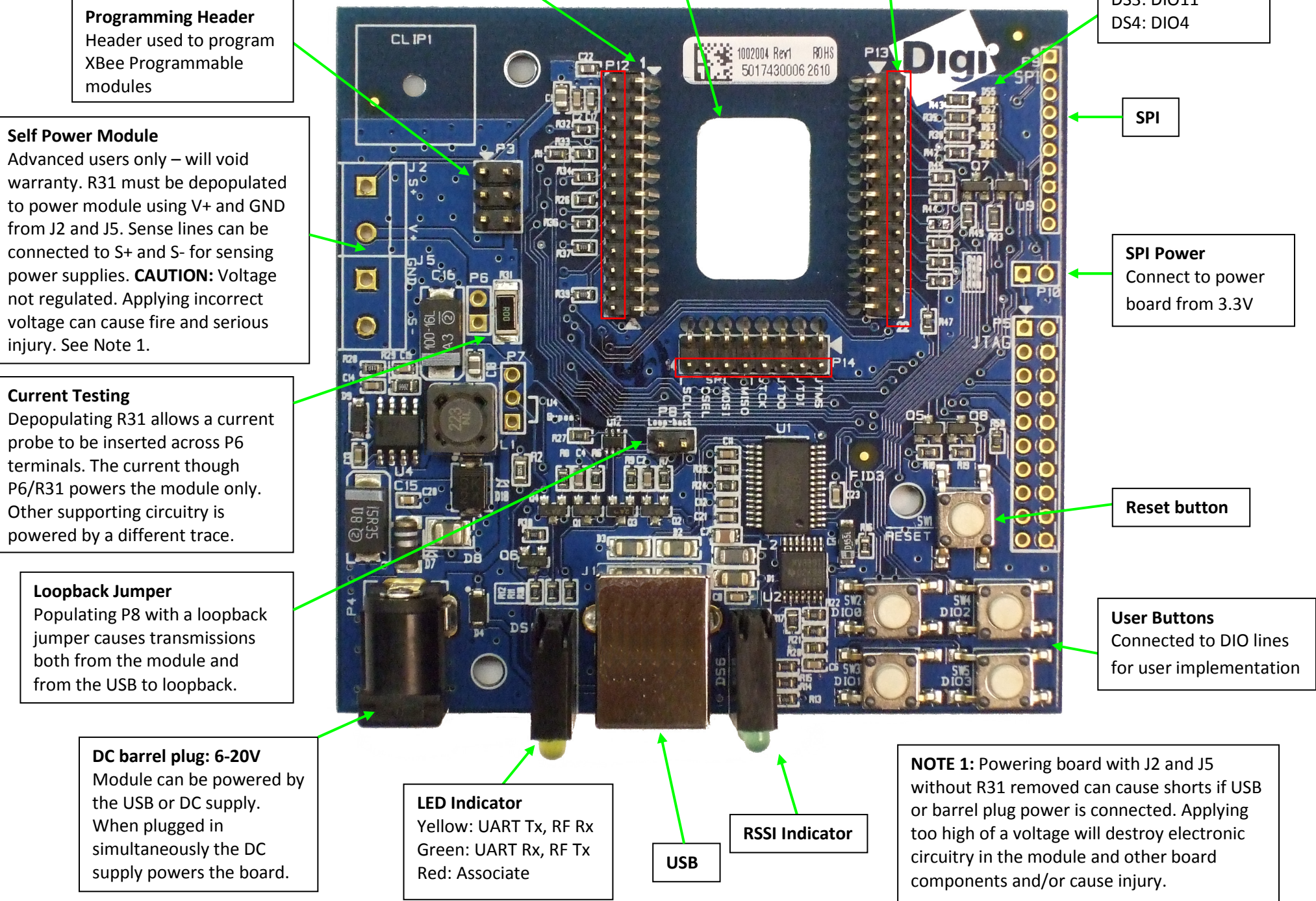
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# XBIB-U-SS

## 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 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.

**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**

**SMT XBee Socket**

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

**Test Points**

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

**SPI**

**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.