Power Supply
Input: 4.5V to 24V
Output: 3.3V

USB-to-serial converter

Prototyping Area / Breadboard

USB Connector

Potentiometer

LED Bar Graph

XBee Wi-Fi
XBee ZB

Disconnect switches

Buzzer (2kHz)

PWM-to-frequency converter circuit

USB-to-serial converter

Bar Graph Driver

Vibration Motor

Buttons/Switches/LEDs

Barrel Jack

PWM-to-frequency converter circuit

Potentiometer

Bulk誓ated Through-hole Variant

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XBeek Wi-Fi Dev Kit
Block Diagram

Rev. A
Rev No.
55001789-02

DESIGNED: white
DRAWN: white
CHECKED: white
ENGINEER: white

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DO NOT SCALE DRAWING

Pages 1 of 6
Loop-back Jumper: Allows loop-back testing of the XBee module while monitoring the communications over the serial port.

These transistors make the UART connection open-collector preventing contention with the FT232R USB chip.

XBee Signal Disconnects
All switches ON by default.
Potentiometer Scaling 16.2k ohm, 1.25V (nom), 1.20V (min)
16.2k || 3.4k ohm, 2.58V (nom), 2.50V (min)

R56 is currently unused.