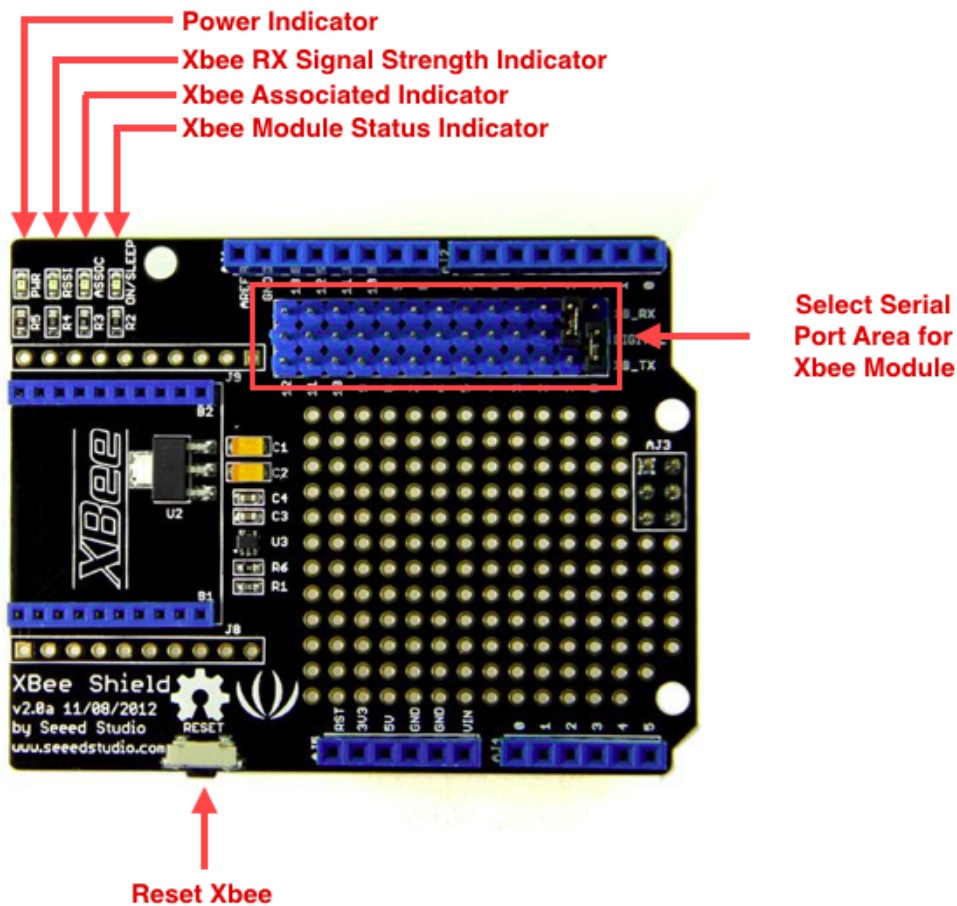# 30430-MP

Plug RF Bee into Xbee Shield NOT SUPPLIED
Plug Shield onto the Arduino

Use a jumper cap to connect XB_TX and Digital 4. Also, Use a jumper cap to connect XB_RX and Digital 5. Of course you can change the digital port as you like. But don't forget to change the port number in the definition of the demo code at the same time.

Note
The followings are its known limitations:
1. If you are using multiple software serial ports, only one can receive data at a time.
2. Not all pins on the Mega and Mega 2560 support change interrupts, so only the following can be used for RX: 10, 11, 12, 13, 50, 51, 52, 53, 62, 63, 64, 65, 66, 67, 68, 69
3. Not all pins on the Leonardo support change interrupts, so only the following can be used for RX: 8, 9, 10, 11, 14 (MISO), 15 (SCK), 16 (MOSI).

30430 MP

TITLE: XBee Shield v2

SeeedStudio

Design: Check:

Date: 2014/12/23 Vision: Sheet: 1/1

U2 CJT1117-3.3

C1 10uF-16U C2 10uF-16U

5U IN GND OUT 3V3

U3 SN74LVC1G125DCKR

C4 100nF

R6 1k

R1 33

ON/SLEEP R2 1k ON GREEN
ASSOC R3 1k ASSOC GREEN
RSSI R4 1k RSSI RED
X_3V3 R5 1k PWR GREEN

GND

XBEE / XBEEEXT

3V3 1	VCC
RST 5	RESET
ON/SLEEP 13	ON/SLEEP
RSSI 6	PWM0/RSSI
X_RX 3	DIN/CONFIG
X_TXD 2	DOUT
XB4 4	CD/DOUT_EN/DO8
XBEE_DTR 9	DTR/SLEEP_RQ/DI8
X_CTS 12	CTS/DIO7
X_RTS 16	RTS/AD6/DIO6
ASSOC 15	ASSOC/AD5/DIO5
XB11 11	RF_TX/AD4/DIO4
XB17 17	COORD_SEL/AD3/DIO3
XB18 18	AD2/DIO2
XB19 19	AD1/DIO1
XB20 20	AD0/DIO0
XB14 14	VREF
GND 10	GND

C3 100nF

J8

X_3V3, X_TXD, X_RX, XB4, RST, RSSI, N$9, N$10, XBEE_DTR, GND

J9

XB11, X_CTS, ON/SLEEP, XB14, ASSOC, X_RTS, XB17, XB18, XB19, XB20

RST / RESET / GND

XB_TX DIGITAL XB_RX