Serial Expansion Connector

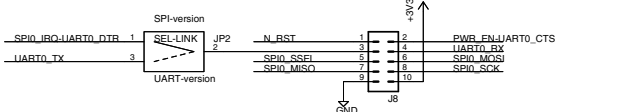|	
1: GND	2: VCC (3.3V, max 250mA)
3: SPI-SCK (output)	4: SPI-MOSI (output)
5: SPI-MISO (input)	6: SPI-SSEL (output)
7: UART-RX (input)	8: UART-TX (output)
9: I2C-SCL (output)	10: I2C-SDA (bidirectional)
11: GPIO (bidirectional)	12: GPIO (bidirectional)
13: AIN0/GPIO (input)	14: AIN3/AOUT/GPIO (input)

SPI0_SCK
SPI0_MISO
UART0_TX
PWR_EN-UART0_CTS
SPI0_IRQ-UART0_DTR
J3

SPI0_MOSI
SPI0_SSEL
UART0_RX
N_RST
UART0_RTS

+3V3

J4
2X07, 50mil
GND
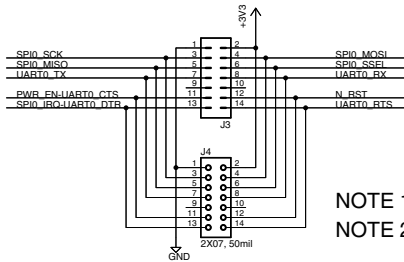
NOTE 1: Only one RF-module monted at a time.
NOTE 2: RF-modules must be bought separately.

Digi XBee(R) RF-module

+3V3
C1
47U/10V
GND

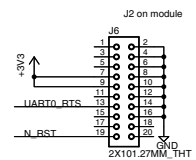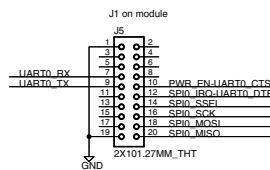XBee-Pro

VCC   AD0
DOUT   AD1
DIN/CFG#   AD2
CD   COORD_S
RESET#   RTS#
PWM0/RSSI   ASSO/AD5
NC   VREF
NC   ON/SLEEP#
DTR#   CTS#
GND   RF_TX/AD4

J1
J2

UART0_TX
UART0_RX
N_RST

GND

JP1
2X03

SPI0_IRQ-UART0_DTR
UART0_RTS
PWR_EN-UART0_CTS

Default: not inserted

R2
3K
GND

R1
3K
GND

R3
1K
LED1
GREEN
GND

RedPine

SPI-version

SPI0_IRQ-UART0_DTR
UART0_TX

SEL-LINK   JP2

UART-version

N_RST
SPI0_SSEL
SPI0_MISO

+3V3
PWR_EN-UART0_CTS
SPI0_MOSI
SPI0_SCK

J8
GND

1: RESET_n	2: POWER_EN
3: SPI_INTR/ UART_IN (inp)	4: Reserved/UART_OUT (outp)
5: SPI_CS	6: SPI_MOSI
7: SPI_MISO	8: SPI_CLK
9: GND	10: VCC

LS Research TIWI-SL EM board / Anaren EM boards (TI RF board pinning)

J1 on module
J5

UART0_RX
UART0_TX

PWR_EN-UART0_CTS
SPI0_IRQ-UART0_DTR
SPI0_SSEL
SPI0_SCK
SPI0_MOSI
SPI0_MISO

GND
2X101.27MM_THT

J2 on module
J6

+3V3

UART0_RTS
N_RST

GND
2X101.27MM_THT

(C) Embedded Artists AB

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