## Logic Level Converter

**J7**
5V_Level Converter

| 1 | | 6 |
| 2 | | 5 |
| 3 | GND | |
| 4 | 5V | |
| 5 | RX | |
| 6 | TX | |

| | GND | 4 |
| | 5V | 3 |
| | RX | 2 |
| | TX | 1 |

5V_Level Converter_Empty
**J8**

**J6**
3.3V_Level Converter

| 1 | | 6 |
| 2 | | 5 |
| 3 | GND | |
| 4 | 3.3V_SW | |
| 5 | DOUT | |
| 6 | DIN | |

| | GND | 4 |
| | 3.3V_SW | 3 |
| | DOUT | 2 |
| | DIN | 1 |

3.3V_Level Converter_Empty
**J5**

## XBee

**J3**
Left_XBee_Empty

| 1 | 3.3V_SW |
| 2 | DOUT |
| 3 | DIN |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | GND |

**J2**
Left_XBee

| 3.3V_SW | 10 |
| DOUT | 9 |
| DIN | 8 |
| | 7 |
| | 6 |
| | 5 |
| | 4 |
| | 3 |
| | 2 |
| GND | 1 |

**J1**
Right_XBee

| 1 | | 10 |
| 2 | | 9 |
| 3 | | 8 |
| 4 | | 7 |
| 5 | | 6 |
| 6 | | 5 |
| 7 | | 4 |
| 8 | | 3 |
| 9 | | 2 |
| 10 | | 1 |

**J4**
Right_XBee_Empty

## Mounting Holes

**H1** MountingHole
**H2** MountingHole
**H3** MountingHole
**H4** MountingHole

## Input Ports

**J11**
InputConnections_Empty

| 1 | GND |
| 2 | 3.3V |
| 3 | 5V |
| 4 | RX |
| 5 | TX |

**J10**
InputConnections

| 1 | GND |
| 2 | 3.3V |
| 3 | 5V |
| 4 | RX |
| 5 | TX |

## Switch

3.3V
3.3V_SW
1 2 3
**J9**
Switch

3.3V_SW
LED

GND
R