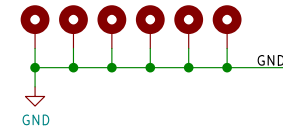


| J1                    |    |           |    | J2                    |    |           |    |
|-----------------------|----|-----------|----|-----------------------|----|-----------|----|
| xconch_pinheader_2x40 |    |           |    | xconch_pinsocket_2x40 |    |           |    |
| BAT+                  | 1  | BAT+      | 2  | BAT+                  | 1  | BAT+      | 2  |
| VCC_5V                | 3  | VCC_5V    | 4  | VCC_5V                | 3  | VCC_5V    | 4  |
| VCC_3V3               | 5  | VCC_3V3   | 6  | VCC_3V3               | 5  | VCC_3V3   | 6  |
| VCC_1V8               | 7  | VCC_1V8   | 8  | VCC_1V8               | 7  | VCC_1V8   | 8  |
| VCC_IO                | 9  | VCC_IO    | 10 | VCC_IO                | 9  | VCC_IO    | 10 |
| GND                   | 11 | GND       | 12 | GND                   | 11 | GND       | 12 |
| UART_TX               | 13 | UART_TX   | 14 | UART_RX               | 13 | UART_RX   | 14 |
| I2C_SDA               | 15 | I2C_SCL   | 16 | I2C_SDA               | 15 | I2C_SDA   | 16 |
| SPI_MOSI              | 17 | SPI_CLK   | 18 | SPI_MOSI              | 17 | SPI_MOSI  | 18 |
| SPI_MISO              | 19 | SPI_CS    | 20 | SPI_MISO              | 19 | SPI_MISO  | 20 |
| SDIO_D0               | 21 | SDIO_D1   | 22 | SDIO_D0               | 21 | SDIO_D0   | 22 |
| SDIO_D2               | 23 | SDIO_D3   | 24 | SDIO_D2               | 23 | SDIO_D2   | 24 |
| SDIO_CMD              | 25 | SDIO_CLK  | 26 | SDIO_CMD              | 25 | SDIO_CMD  | 26 |
| I2S_DI                | 27 | I2S_LRCLK | 28 | I2S_DI                | 27 | I2S_LRCLK | 28 |
| I2S_D0                | 29 | I2S_CLK   | 30 | I2S_D0                | 29 | I2S_CLK   | 30 |
| CAH_H                 | 31 | CAN_L     | 32 | CAH_H                 | 31 | CAN_L     | 32 |
| USB_D+                | 33 | USB_D-    | 34 | USB_D+                | 33 | USB_D-    | 34 |
| PWM0                  | 35 | PWM1      | 36 | PWM0                  | 35 | PWM1      | 36 |
| ADC0                  | 37 | ADC1      | 38 | ADC0                  | 37 | ADC1      | 38 |
| DAC0                  | 39 | DAC1      | 40 | DAC0                  | 39 | DAC1      | 40 |
| GPI00                 | 41 | GPI01     | 42 | GPI00                 | 41 | GPI01     | 42 |
| GPI02                 | 43 | GPI03     | 44 | GPI02                 | 43 | GPI03     | 44 |
| GPI04                 | 45 | GPI05     | 46 | GPI04                 | 45 | GPI05     | 46 |
| GPI06                 | 47 | GPI07     | 48 | GPI06                 | 47 | GPI07     | 48 |
| GPI08                 | 49 | GPI09     | 50 | GPI08                 | 49 | GPI09     | 50 |
| NC0                   | 51 | NC1       | 52 | NC0                   | 51 | NC1       | 52 |
| NC2                   | 53 | NC3       | 54 | NC2                   | 53 | NC3       | 54 |
| NC4                   | 55 | NC5       | 56 | NC4                   | 55 | NC5       | 56 |
| NC6                   | 57 | NC7       | 58 | NC6                   | 57 | NC7       | 58 |
| NC8                   | 59 | NC9       | 60 | NC8                   | 59 | NC9       | 60 |
| NC10                  | 61 | NC11      | 62 | NC10                  | 61 | NC11      | 62 |
| NC12                  | 63 | NC13      | 64 | NC12                  | 63 | NC13      | 64 |
| NC14                  | 65 | NC15      | 66 | NC14                  | 65 | NC15      | 66 |
| NC16                  | 67 | NC17      | 68 | NC16                  | 67 | NC17      | 68 |
| NC18                  | 69 | NC19      | 70 | NC18                  | 69 | NC19      | 70 |
| NC20                  | 71 | NC21      | 72 | NC20                  | 71 | NC21      | 72 |
| NC22                  | 73 | NC23      | 74 | NC22                  | 73 | NC23      | 74 |
| NC24                  | 75 | NC25      | 76 | NC24                  | 75 | NC25      | 76 |
| NC26                  | 77 | NC27      | 78 | NC26                  | 77 | NC27      | 78 |
| NC28                  | 79 | NC29      | 80 | NC28                  | 79 | NC29      | 80 |



| J3          | J4         |
|-------------|------------|
| VCC_5V 1    | 20 VCC_5V  |
| VCC_3V3 2   | 19 VCC_3V3 |
| VCC_1V8 3   | 18 VCC_1V8 |
| GND 4       | 17 GND     |
| UART_TX 5   | 16 PWM0    |
| UART_RX 6   | 15 PWM1    |
| I2C_SDA 7   | 14 ADC0    |
| I2C_SCL 8   | 13 ADC1    |
| SPI_MOSI 9  | 12 DAC0    |
| SPI_MISO 10 | 11 DAC1    |
| SPI_CLK 11  | 10 GPI00   |
| SPI_CS 12   | 9 GPI01    |
| SDIO_D0 13  | 8 GPI02    |
| SDIO_D1 14  | 7 GPI03    |
| SDIO_D2 15  | 6 GPI04    |
| SDIO_D3 16  | 5 GPI05    |
| SDIO_CMD 17 | 4 GPI06    |
| SDIO_CLK 18 | 3 GPI07    |
| CAH_H 19    | 2 GPI08    |
| CAN_L 20    | 1 GPI09    |

Conn\_01x20

## BASIC EXTENDED BOX

Sheet: /  
File: ebox-basic.sch

**Title:**

Size: A4  
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**Rev:**

Id: 1/1