| CON1 - M0 Driver Header | | | |
|---|---|---|---|
| **Header Pin** | **Zynq Pin** | **Swarmbot Net** | **Remark** |
| 1 | - | GND | |
| 2 | - | ENC0A | |
| 3 | - | ENC0B | |
| 4 | - | VCCIO | 3.3V |
| 5 | - | M0_OUT1 | |
| 6 | - | M0_OUT2 | |
| **CON2 - M1 Driver Header** | | | |
| **Header Pin** | **Zynq Pin** | **Swarmbot Net** | **Remark** |
| 1 | - | GND | |
| 2 | - | ENC1A | |
| 3 | - | ENC1B | |
| 4 | - | VCCIO | 3.3V |
| 5 | - | M1_OUT1 | |
| 6 | - | M1_OUT2 | |
| **CON3 - Microphone Header** | | | |
| **Header Pin** | **Zynq Pin** | **Swarmbot Net** | **Remark** |
| 1 | - | MIC_DATA3 | |
| 2 | - | MIC_DATA2 | |
| 3 | - | MIC_DATA1 | |
| 4 | - | MIC_DATA0 | |
| 5 | - | GND | |
| 6 | - | VCCIO | 3.3V |
| 7 | - | MIC_CM_CLK | |
| 8 | - | MIC_SDA | |
| 9 | - | MIC_SCL | |
| 10 | - | N/C | |
| 11 | - | GND | |
| 12 | - | VCCIO | 3.3V |
| **CON4 - ADC Header** | | | |
| **Header Pin** | **Zynq Pin** | **Swarmbot Net** | **Remark** |
| 1 | K9 | VAUX_P0 | |
| 2 | L10 | VAUX_N0 | |
| 3 | K16 | VAUX_P3 | |
| 4 | J16 | VAUX_N3 | Connected through anti-aliasing filter |
| 5 | L14 | VAUX_P2 | |
| 6 | L15 | VAUX_N2 | |
| 7 | H15 | VAUX_P1 | |
| 8 | G15 | VAUX_N1 | |
| **P1 - Power Header** | | | |
| **Header Pin** | **Zynq Pin** | **Swarmbot Net** | **Remark** |
| 1 | - | VBATT | Battery voltage |
| 2 | - | VCC | 5V |
| 3 | - | VCCIO | 3.3V |
| 4 | - | 2V5REF | 2.5V reference |
| 5 | - | GND | |
| **P2 - Test Header** | | | |
| **Header Pin** | **Zynq Pin** | **Swarmbot Net** | **Remark** |
| 1 | V11 | JX1_TP00 | |

| | | | |
|---|---|---|---|
| 2 | Y13 | JX1_TP01 | |
| 3 | W8 | JX2_TP00 | |
| 4 | U5 | JX2_TP01 | |
| **P4 - Audio Header** | | | |
| **Header Pin** | **Zynq Pin** | **Swarmbot Net** | **Remark** |
| 1 | - | VBATT | Battery voltage |
| 2 | B19 | BUZ_PWM1 | |
| 3 | J15 | BUZ_PWM0 | |
| 4 | - | GND | |