|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| GPIO-1 | | | | | | | |
| OliExt | Fex | Signal | Pin | Pin | Signal | Fex | OliExt |
|  |  | **+5V** | 1 | 2 | **GND** |  |  |
|  |  | **+3.3V** | 3 | 4 | **GND** |  |  |
| PG0 | PG00 | PG0 | 5 | 6 | VOL+ |  |  |
| PG1 | PG01 | PG1 | 7 | 8 | VOL- |  |  |
| PG2 | PG02 | PG2 | 9 | 10 | Menu |  |  |
| PG3 | PG03 | PG3 | 11 | 12 | Search |  |  |
| PG4 | PG04 | PG4 | 13 | 14 | Home |  |  |
| PG5 | PG05 | PG5 | 15 | 16 | Esc |  |  |
| TX3 | PG06 | PG6 | 17 | 18 | Enter |  |  |
| RX3 | PG07 | PG7 | 19 | 20 | TV Out3 |  |  |
| RTS3 | PG08 | PG8 | 21 | 22 | TV In0 |  |  |
| CTS3 | PG09 | PG9 | 23 | 24 | TV In1 |  |  |
| TX4 | PG10 | PG10 | 25 | 26 | TV In2 |  |  |
| RX4 | PG11 | PG11 | 27 | 28 | TV In3 |  |  |
|  |  | VGA HSync | 29 | 30 | Line In R |  |  |
|  |  | VGA VSync | 31 | 32 | Line In L |  |  |
|  |  | VGA G | 33 | 34 | FM In R |  |  |
|  |  | VGA B | 35 | 36 | FM In L |  |  |
|  |  | VGA R | 37 | 38 | Mic1 P |  |  |
|  |  | LRADC1 | 39 | 40 | Mic1 N |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| GPIO-2 | | | | | | | |
| OliExt | Fex | Signal | Pin | Pin | Signal | Fex | OliExt |
|  |  | **+5V** | 1 | 2 | **GND** |  |  |
|  |  | **+3.3V** | 3 | 4 | **GND** |  |  |
| SCK0 | PB00 | TWI0 SCK | 5 | 6 | PE0 | PE00 |  |
| SDA0 | PB01 | TWI0 SDA | 7 | 8 | PE1 | PE01 |  |
|  | PI00 | PI0 | 9 | 10 | PE2 | PE02 |  |
|  | PI01 | PI1 | 11 | 12 | PE3 | PE03 |  |
|  | PI02 | PI2 | 13 | 14 | PE4 | PE04 |  |
|  | PI03 | PI3 | 15 | 16 | PE5 | PE05 |  |
|  | PI10 | PI10 | 17 | 18 | PE6 | PE06 |  |
|  | PI11 | PI11 | 19 | 20 | PE7 | Pe07 |  |
|  | PC03 | PC3 | 21 | 22 | PE8 | Pe08 |  |
|  | PC07 | PC7 | 23 | 24 | PE9 | PE09 |  |
|  | PC16 | PC16 | 25 | 26 | PE10 | PE10 |  |
|  | PC17 | PC17 | 27 | 28 | PE11 | PE11 |  |
|  | PC18 | PC18 | 29 | 30 | PI14 | PI14 |  |
|  | PC23 | PC23 | 31 | 32 | PI15 | PI15 |  |
|  | PC24 | PC24 | 33 | 34 | UART0 RX | PB23 | RX0 |
|  |  | GPIO1 | 35 | 36 | UART0 TX | PB22 | TX0 |
|  |  | GPIO2 | 37 | 38 | NMI |  |  |
|  |  | GPIO3 | 39 | 40 | Reset |  |  |

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| GPIO-3 | | | | | | | |
| OliExt | Fex | Signal | Pin | Pin | Signal | Fex | OliExt |
|  |  | **+5V** | 1 | 2 | **GND** |  |  |
|  |  | **+3.3V** | 3 | 4 | **GND** |  |  |
|  | PH00 | PH0 | 5 | 6 | PB3 | PB03 |  |
|  | PH02 | PH2/LED | 7 | 8 | PB4 | PB04 |  |
|  | PH07 | PH7 | 9 | 10 | PB5 | PB05 |  |
|  | PH09 | PH9 | 11 | 12 | PB6 | PB06 |  |
|  | PH10 | PH10 | 13 | 14 | PB7 | PB07 |  |
|  | PH11 | PH11 | 15 | 16 | PB8 | PB08 |  |
|  | PH12 | PH12 | 17 | 18 | PB10 | PB10 |  |
|  | PH13 | PH13 | 19 | 20 | PB11 | PB11 |  |
|  | PH14 | PH14 | 21 | 22 | PB12 | PB12 |  |
|  | PH15 | PH15 | 23 | 24 | PB13 | PB13 |  |
|  | PH16 | PH16 | 25 | 26 | PB14 | PB14 |  |
|  | PH17 | PH17 | 27 | 28 | PB15 | PB15 |  |
|  | PH18 | PH18 | 29 | 30 | PB16 | PB16 |  |
|  | PH19 | PH19 | 31 | 32 | PB17 | PB17 |  |
|  | PH20 | PH20 | 33 | 34 | PB24 | PB24 |  |
|  | PH21 | PH21 | 35 | 36 | PB25 | PB25 |  |
|  | PH22 | PH22 | 37 | 38 | PB26 | PB26 |  |
|  | PH23 | PH23 | 39 | 40 | PB27 | PB27 |  |

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| UEXT1 | | | | | | | |
| OliExt | Fex | Signal | Pin | Pin | Signal | Fex | OliExt |
|  |  | **+3.3V** | 1 | 2 | **GND** |  |  |
| TX6 | PI12 | UART6\_TX | 3 | 4 | UART6\_RX | PI13 | RX6 |
| SCK2 | PB20 | TWI2\_SCK | 5 | 6 | TWI2\_SDA | PB21 | SDA2 |
| MISO2 | PC22 | SPI2\_MISO | 7 | 8 | SPI2\_MOSI | PC21 | MOSI2 |
| CLK2 | PC20 | SPI2\_CLK | 9 | 10 | SPI2\_CS0 | PC19 | CS02 |

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| UEXT2 | | | | | | | |
| OliExt | Fex | Signal | Pin | Pin | Signal | Fex | OliExt |
|  |  | **+3.3V** | 1 | 2 | **GND** |  |  |
| TX7 | PI20 | UART7\_TX | 3 | 4 | UART7\_RX | PI21 | RX7 |
| SCK1 | PB18 | TWI1\_SCK | 5 | 6 | TWI1\_SDA | PB19 | SDA1 |
| RX2 | PI19 | SPI1\_MISO | 7 | 8 | SPI1\_MOSI | PI18 | TX2 |
| CTS2 | PI17 | SPI1\_CLK | 9 | 10 | SPI1\_CS0 | PI16 | RTS2 |