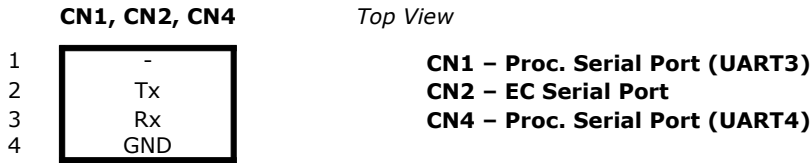


Serial Interfaces



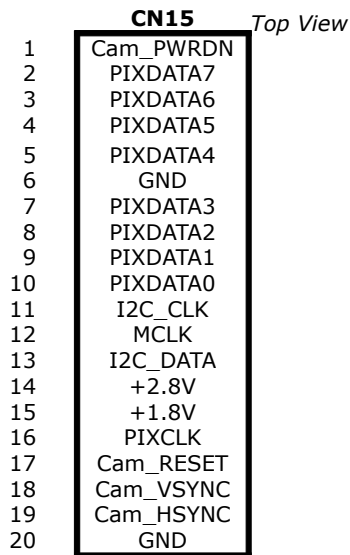
SPI Interfaces

J1 – OFW SPI Flash Prog. Port !! +1.8V !!
J2 – EC SPI Flash Prog. Port (+3.3V)



This pinout is used by J1 and J2. These are slave connectors, allowing in-system programming (ISP) of the onboard SPI Flash ROMs. This pinout is defined by Atmel App. Note AVR910.

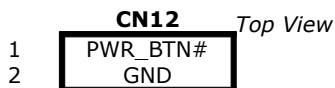
Camera



Main Battery



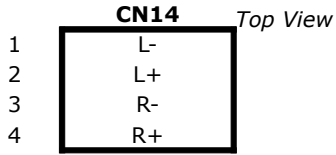
Power Button



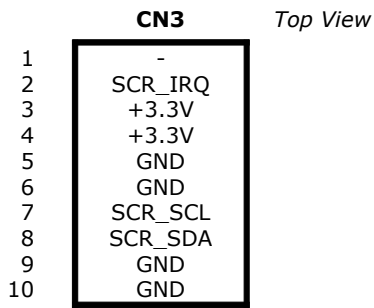
Internal Microphone



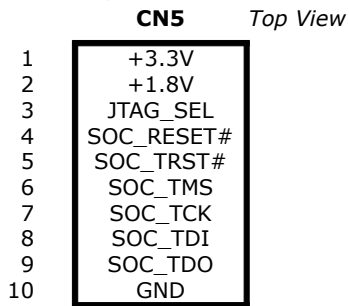
Speakers



Touchscreen



JTAG Debug Port



Connectors

LCD

| CN6 Top View | | | CN6 (cont.) | | |
|--------------|-----------|--|-------------|------------|--|
| 1 | VCOM | | 21 | - | |
| 2 | +3.3V | | 22 | GND | |
| 3 | +3.3V | | 23 | - | |
| 4 | - | | 24 | - | |
| 5 | LCD_RST# | | 25 | GND | |
| 6 | STBYB# | | 26 | - | |
| 7 | GND | | 27 | DIM0 | |
| 8 | LVDS_D0- | | 28 | SELB | |
| 9 | LVDS_D0+ | | 29 | +11.5V | |
| 10 | GND | | 30 | GND | |
| 11 | LVDS_D1- | | 31 | BACKLIGHT- | |
| 12 | LVDS_D1+ | | 32 | BACKLIGHT- | |
| 13 | GND | | 33 | L/R | |
| 14 | LVDS_D2- | | 34 | U/D | |
| 15 | LVDS_D2+ | | 35 | -7V | |
| 16 | GND | | 36 | CABCEN1 | |
| 17 | LVDS_CLK- | | 37 | CABCEN0 | |
| 18 | LVDS_CLK+ | | 38 | +22V | |
| 19 | GND | | 39 | BACKLIGHT+ | |
| 20 | - | | 40 | BACKLIGHT+ | |

WLAN Card

| CN13 Top View | | | |
|---------------|-------------|-----------|----|
| 1 | GPIO4 | +3.3V | 2 |
| 3 | BT_PRIORITY | GND | 4 |
| 5 | WL_ACTIVE | +1.8V | 6 |
| 7 | BT_STATE | TRST# | 8 |
| 9 | GND | TMS_CPU | 10 |
| 11 | - | TCK | 12 |
| 13 | - | TDO | 14 |
| 15 | GND | TDI | 16 |
| 17 | SD_CD | GND | 18 |
| 19 | GND | PD# | 20 |
| 21 | SD_CLK | RESET# | 22 |
| 23 | GND | +1.8V | 24 |
| 25 | SD_CMD | GND | 26 |
| 27 | SD_DAT0 | +1.8V | 28 |
| 29 | SD_DAT1 | - | 30 |
| 31 | SD_DAT2 | - | 32 |
| 33 | SD_DAT3 | GND | 34 |
| 35 | GND | - | 36 |
| 37 | GND | - | 38 |
| 39 | +3.3V | GND | 40 |
| 41 | SD_VCC | - | 42 |
| 43 | GND | LED_WLAN# | 44 |
| 45 | GPIO2 | - | 46 |
| 47 | ECS# | SLEEP_CLK | 48 |
| 49 | TR3# | GND | 50 |
| 51 | ANT_SEL_N | +3.3V | 52 |

SD_VCC is +1.8V on XO-3