

Serial Interfaces

J1, J3 *Top View*

1	+3.3V
2	Tx
3	Rx
4	GND

SPI Interfaces

J2, J4 *Top View*

1	MISO	+3.3V	2	<i>MISO is Master In, Slave Out</i>
3	SCK	MOSI	4	<i>MOSI is Master Out, Slave In</i>
5	RST#/CS#	GND	6	

This pinout is used by J2 and J4 in the laptop. J2 is a slave connector, allowing in-system programming (ISP) of the onboard SPI ROM. J4 is a master connector. This pinout is defined by Atmel App. Note AVR910.

LPC Debug

DL1 *Top View*

1	+3.3V
2	LPCD0
3	LPCD1
4	LPCD2
5	LPCD3
6	LPC_FRAME#
7	RESET#
8	GND
9	LPCCLK
10	GND

Use of both ground pins is recommended for proper operation.

Camera

CON1 *Top View*

1	Cam_PWRDN
2	PIXDATA7
3	PIXDATA6
4	PIXDATA5
5	PIXDATA4
6	GND
7	PIXDATA3
8	PIXDATA2
9	PIXDATA1
10	PIXDATA0
11	I2C_CLK
12	MCLK
13	I2C_DATA
14	+2.8V
15	+1.8V
16	PIXCLK
17	Cam_RESET
18	Cam_VSYNC
19	Cam_HSYNC
20	GND

Keyboard/Touchpad

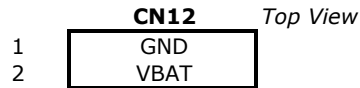
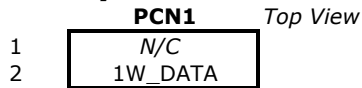
CN11 *Top View*

1	TP_DAT
2	TP_CLK
3	GND
4	KBD_DAT
5	KBD_CLK
6	+3.3V

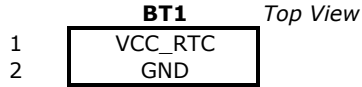
The keyboard and touchpad use PS/2 protocol interfaces

Connectors

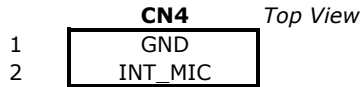
Main Battery



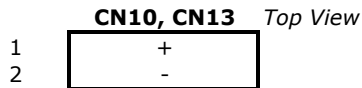
RTC Battery



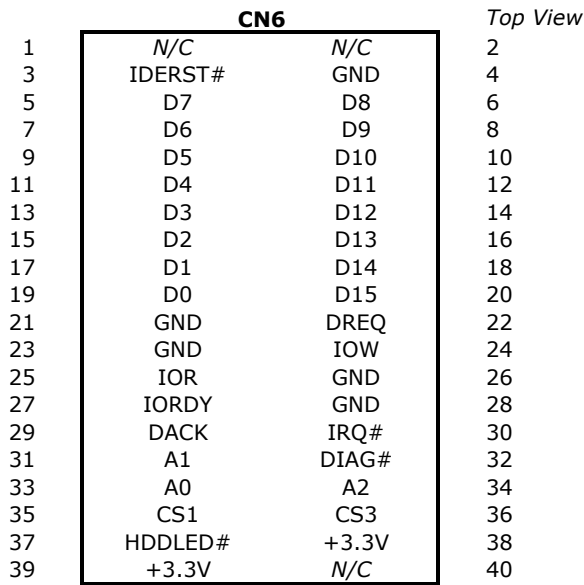
Internal Microphone



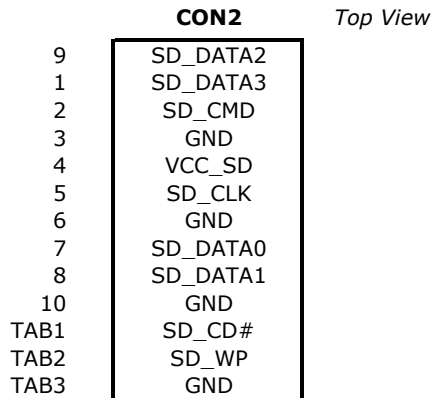
Speakers



IDE



SD/MMC



The SD connector pins are not numbered sequentially. In addition, two of the signal pins (TAB1/TAB2) appear to be mounting tabs along the edge.

Connectors

LCD

		CN7 <i>Top View</i>			CN7 (cont.)
1		VCOM	29		GMA8-1
2		VCOM	30		GMA6-1
3		-7V	31		GMA5-1
4		+9.6V	32		GMA3-1
5		GND	33		GMA1-1
6		GMA10-2	34		GND
7		GMA8-2	35		+1.8V
8		GMA6-2	36		FD00
9		GMA5-2	37		FD01
10		GMA3-2	38		FD10
11		GMA1-2	39		FCLK
12		GND	40		FREV
13		+1.8V	41		FD11
14		BD00	42		FD20
15		BD01	43		FD21
16		BD10	44		FSTH
17		BCLK	45		FTP1
18		BREV	46		FPOL
19		BD11	47		VCOM
20		BD20	48		XAO
21		BD21	49		OE
22		BSTH	50		CKV
23		BTP1	51		STV
24		BPOL	52		+1.8V
25		VCOM	53		-7V
26		+9.6V	54		+18V
27		GND	55		GND
28		GMA10-1			

Backlight

		CN3 <i>Top View</i>
1		+17V
2		LED1
3		LED2
4		LED3

VGA

		CN5 <i>Top View</i>	
5		GND	15
10		GND	4
14		EDID_CLK	9
Board		N/C	13
3		+5V	2
Edge		HSYNC	7
8		GREEN	11
12		GND	
		EDID_DATA	
1		RED	
6		N/C	
		GND	

WLAN JTAG

		CN15 <i>Top View</i>
1		TRST#

Connectors

2	TDI
3	TMS
4	TCK
5	
6	TDO
7	RESET#
8	GND
9	
10	+3.3V