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# maintenance & service guide

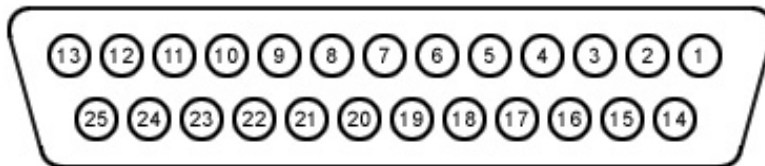
## Presario 1800/1800T Series Models: XL280, XL380, XL381, and XL390

### Pin Assignments

This chapter provides the pin assignments for Presario 1800XL Series Notebook connectors. For additional information about connectors or external ports, refer to [Rear Connectors](#) and [QuikDock Connectors](#).

**Note:** The signals in all tables of this appendix are considered active high unless otherwise indicated by an asterisk (\*).

#### *Parallel Connector*



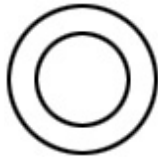
Pin	Signal	Pin	Signal
1	Strobe*	10	Acknowledge*
2	Data Bit 0	11	Busy
3	Data Bit 1	12	Paper Out
4	Data Bit 2	13	Select
5	Data Bit 3	14	Auto Line Feed*
6	Data Bit 4	15	Error*
7	Data Bit 5	16	Initialize Printer*
8	Data Bit 6	17	Select In*
9	Data Bit 7	18-25	Signal Ground

\*Signal is active low.

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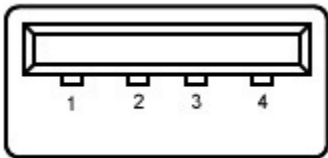
**Presario 1800/1800T Series**  
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and XL390

## *TV-Out (Composite Video) Connector*



Pin	Signal
1	Ground
2	Composite
3	Ground

## *Universal Serial Bus (USB) Connector*



Pin	Signal	Pin	Signal
1	+5V	3	Data +
2	Data -	4	Ground

## *Keyboard/Mouse Connector*

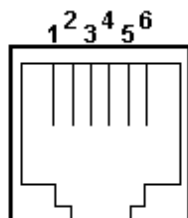


Pin	Signal	Pin	Signal
1	Data 1	4	+5 V
2	Data 2	5	Clock 1
3	Ground	6	Clock 2

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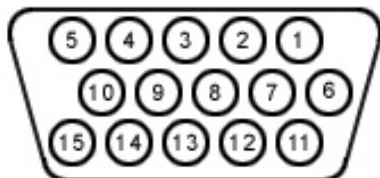
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### *Modem Connector*



Pin	Signal	Pin	Signal
1	Unused	4	Unused
2	Tip	5	Unused
3	Ring	6	Unused

### *External VGA Monitor Connector*



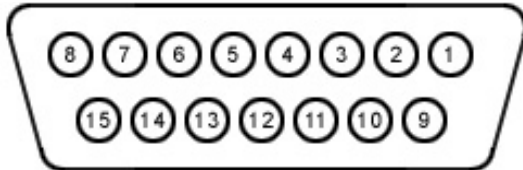
Pin	Signal	Pin	Signal
1	Red Analog	9	+5V
2	Green Analog	10	Ground
3	Blue Analog	11	Monitor Detect
4	Not connected	12	DDC2B Data
5	Ground	13	Horizontal Sync
6	Ground Analog	14	Vertical Sync
7	Ground Analog	15	DDC2B Clock
8	Ground Analog		

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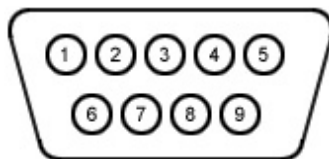
## Game Port Connector

**Note:** the game port connector is available only on the optional QuikDock device.



Pin	Signal	Pin	Signal
1	+5V	9	+5V
2	SWA	10	SWC
3	RBTA	11	RBTC
4	GND	12	RMSO
5	GND	13	RBTD
6	RBTB	14	SWD
7	SWB	15	RMSI
8	+5V		

## Serial Connector

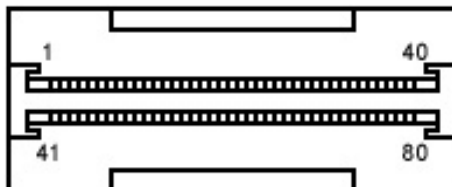


Pin	Signal	Pin	Signal
1	Carrier Detect	6	Data Set Ready
2	Receive Data	7	Ready to Send
3	Transmit Data	8	Clear to Send
4	Data Terminal Ready	9	Ring Indicator
5	Signal Ground	5	Signal Ground

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## QuikDock Connector



Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
1	Adapter Power	22	Serial Port DCD	43	Keyboard Clock	64	Reserved
2	Adapter Power	23	Serial Port DSR	44	Keyboard Data	65	Head-phone Sense
3	Adapter Power	24	Serial Port TXD	45	Mouse Clock	66	USB Power
4	Adapter Power	25	Serial Port RTS	46	Mouse Data	67	USB Power
5	Adapter Power	26	Monitor DDC	47	Lp Indicator	68	USB Power
6	Adapter Power	27	Monitor DDC	48	Lp Paper End	69	USB Power
7	Not Connected	28	Monitor Indicator	49	Lp Init	70	USB A-
8	Printer Data 0	29	V. SYNC	50	Lp Busy	71	USB A+
9	Printer Data 1	30	Ground	51	Lp Error	72	USB B-
10	Printer Data 2	31	H. SYNC	52	Lp Acknowledge	73	USB B+
11	Printer Data 3	32	Ground	53	Lp AutoFeed	74	5V
12	Printer Data 4	33	Blue	54	Lp Strobe	75	5V
13	Printer Data 5	34	Ground	55	Joystick Data A	76	Line-Out Left
14	Printer Data 6	35	Green	56	Joystick Data B	77	S-Video SYR
15	Printer Data 7	36	Ground	57	Joystick Data C	78	Ground
16	Lp Select	37	Red	58	Joystick Data D	79	S-Video SCG
17	QuikDock Indicator	38	Ground	59	Switch A	80	Ground
18	Serial Port RXD	39	Composite TV-Out	60	Switch B		
19	Serial Port RI	40	Line-Out Right	61	Switch C		
20	Serial Port DTR	41	Line-Out Present	62	Switch D		
21	Serial Port CTS	42	Reserved	63	Reserved		