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PowerBook 140, 145, and 170: External Pinouts (5/93)

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Security: Everyone

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TOPIC -----

This article gives the pin assignments and functions for the external connectors on the PowerBook 140, 145, and 170.

DISCUSSION -----

Apple Desktop Bus (ADB)

Pin	Signal name	Signal description
1	ADB	Data
2	PWRON	Power on
3	+5v	+5 volts DC
4	GND	Signal ground

- Connector type: 4-pin minicircular

- Total length of all cables not to exceed 5 m (16 ft.)

Modem and Printer Ports

Pin	Signal name	Signal description
1	HSKo	Handshake out
2	HSKi	Handshake in/external clock
3	TXD-	Transmit data -

4	GND	Signal ground
5	RXD-	Receive data -
6	TXD+	Transmit data +
7	NC	General purpose input*
8	RXD+	Receive data +

- Connector type: 8-pin minicircular

HDI-30 SCSI Connector

Pin number	Signal name	Description
1	nc	Reserved for SCSI disk mode.
2	/DB0	Bit 0 of SCSI data bus
3, 8, 10, 12, 13, 15, 17, 20, 22, 24	GND	Ground
4	/DB1	Bit 1 of SCSI data bus
5	TPWR	Termination power
6	/DB2	Bit 2 of SCSI data bus
7	/DB3	Bit 3 of SCSI data bus
9	/ACKS	Handshake signal. When low acknowledges a request for data transfer
11	/DB4	Bit 4 of SCSI data bus
14	/DB5	Bit 5 of SCSI data bus
16	/DB6	Bit 6 of SCSI data bus
18	/DB7	Bit 7 of SCSI data bus
19	/DBP	SCSI data bus parity bit
21	/REQ	Request for a data transfer
23	/BSY	When active (low) indicates that the SCSI data bus is busy

25	/ATN	When active (low) indicates an attention condition
26	/C/D	When active (low) indicates that data is on the SCSI bus. When high, indicates that control signals are on the bus
27	/RST	SCSI bus reset
28	/MSG	Indicates the message phase
29	/SEL	SCSI select
30	/I/O	Controls the direction of data output. When high, data is input

Audio Output Connector

Pin	Signal name	Signal description
(Sleeve)	GND	Signal ground
(Tip)	Left	0.75-volt peak-to-peak audio signal with an impedance of 47 Ohms; left channel
(Ring)	Right	0.75-volt peak-to-peak audio signal with an impedance of 47 Ohms; right channel

Connector type: Stereo miniature phone plug (3.6 mm)

Audio Input Connector (Stereo)

Pin	Signal name	Signal description
(Tip)	+8V	+8 volts for powering electret microphone
(Ring)	Right	Audio input with a maximum amplitude of 20 mV at 600 ohms impedance
(Sleeve)	GND	Signal ground

Connector type: Stereo miniature phone plug (3.6 mm)

Warning: Don't connect any device other than the Macintosh microphone. Doing so could damage the device or the computer.

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