# Tech Info Library

## PowerBook 100 : External Pinouts (5/93)

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TOPIC -----------------------------------------------------------

This article gives the pin assignments and functions for the external
connectors on the PowerBook 100.

DISCUSSION ------------------------------------------------------

Apple Desktop Bus (ADB)
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| 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.)


Printer Port
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| 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
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| 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 |

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                                    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


HDI-20 Floppy Drive Connector
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Pin        Signal Name    Signal Description

1          GND            Signal ground

2          GND            Signal ground

3          GND            Signal ground

4          GND            Signal ground

5          NC             No connection

6          +5V            +5 volts DC

7          +5V            +5 volts DC

8          +5V            +5 volts DC

9          +5V            +5 volts DC

10         NC             No connection

11         PH0            Phase 0

12         PH1            Phase 1

13         PH2            Phase 2

14         PH3            Phase 3

15         WREQ/          Write request

16         HDSEL          Head select

17         ENBL2/         External drive select

18         RD             Read data

19         WD             Write data
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20        NC              No connection
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Audio Output Connector
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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
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Connector type: Stereo miniature phone plug (3.6 mm)

Note: The PowerBook 100 outputs a monaural signal on both channels.
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