



# Tech Info Library

## Macintosh II, IIx, IIfx: External Pinouts (5/93)

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TOPIC -----

This article gives the pin assignments and functions for the connectors on the Macintosh II, IIfx, and IIx computers.

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 16 feet (5 meters)

### Modem and Printer Ports

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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                    GPi                    General purpose input\*

8                    RXD+                    Receive data +

\*Modem port only. Can be set in software to be a second external clock.

- Connector type: 8-pin minicircular

#### SCSI Port (25-pin)

Pin	Signal name	Signal description
1	REQ/	Request
2	MSG/	Message
3	I/O/	Input/Output
4	RST/	SCSI bus reset
5	ACK/	Acknowledge
6	BSY/	Busy
7	GND	Signal ground
8	DB0/	Data bit 0
9	GND	Signal ground
10	DB3/	Data bit 3
11	DB5/	Data bit 5
12	DB6/	Data bit 6
13	DB7/	Data bit 7
14	GND	Signal ground
15	C/D/	Common/Data
16	GND	Signal ground
17	ATN/	Attention
18	GND	Signal ground
19	SEL/	Select
20	DBP/	Data parity

21	DB1/	Data bit 1
22	DB2/	Data bit 2
23	DB4/	Data bit 4
24	GND	Signal ground
25	TPWR	Terminator power

- Connector type: DB-25

- Total length of all cables not to exceed 20 feet (6 meters)

WARNING: The SCSI port uses the same type of connector as a standard RS-232, DB-25 serial interface, but it is different electrically. Do not connect any RS-232 device to this connector. Doing so can result in damage to both the device and the Macintosh LC.

#### Audio Jack

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Pin	Signal name	Signal description
(Sleeve)	GND	Signal ground
(Ring)	RIGHT	1.5 volt peak-to-peak audio signal, right channel
(Tip)	LEFT	1.5 volt peak-to-peak audio signal, left channel

- Connector type: Stereo miniature phone plug

- The internal speaker is disabled when this port is in use.

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