Macintosh LC III and Performa 450: External Pinouts (5/93)

Article Created: 21 May 1993

TOPIC --

This article gives the pin assignments and functions for the external
connectors on the Macintosh LC III and Performa 405, 430, and 450:

DISCUSSION ---

Apple Desktop Bus (ADB)

Pin number Signal name   Signal description

1   ADB   Bidirectional data bus used for input and output.
                          An open-collector signal pulled up to +5 volts
                          through a 470 ohm resistor on the main logic
                          board.

2   PSW   Power-on signal.

3   +5V   +5 volts from the computer. Maximum current draw
                          is 200 mA. A 1-amp fuse at the output satisfies
                          safety requirements.

4   GND   Ground from the computer.

Modem and Printer Ports

Pin number   Signal name   Signal description

1   HSKo   Handshake output

2   HSKi   Handshake input

3   TxD-   Transmit data -

4   SG   Signal ground

5   RxD-   Receive data -

6   TxD+   Transmit data +

```
7               GPi                 General-purpose input

8               RxD+                Receive data +


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 6 m (20 ft.)

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 computer.

External Video Connector Pinout

Pin	Signal name	Description
1	RED.GND	Red video ground
2	RED.VID	Red video signal
3	/CSYNC	Composite synchronization signal
4	SENSE0	Monitor sense signal 0
5	GRN.VID	Green video signal
6	GRN.GND	Green video ground
7	SENSE1	Monitor sense signal 1
8	n.c.	Not connected
9	BLU.VID	Blue video signal
10	SENSE2	Monitor sense signal 2
11	GND	CSYNC and VSYNC ground
12	/VSYNC	Vertical synchronization signal
13	BLU.GND	Blue video ground
14	HSYNC.GND	HSYNC ground
15	/HSYNC	Horizontal synchronization signal
Shell	SGND	Shield ground

Keywords: CABINFO

==

This information is from the Apple Technical Information Library.

19960215 11:05:19.00

Tech Info Library Article Number: 12938