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Power Macintosh AV Card Pinouts (7/94)

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Security: Everyone

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TOPIC -----

This article describes the pinouts for the Power Macintosh AV card.

DISCUSSION -----

The AV card is an Apple expansion card that plugs into the PDS connector of any Power Macintosh computer. It contains an I/O system that handles video input and output signals, mixes video with 16-bit graphics, and supports a wide variety of Apple and third-party monitors. The AV I/O system also lets the user connect a television set as a monitor, using either NTSC or PAL format.

The AV card contains a DB-15 monitor connector output.

Here is a diagram of the pin configuration for the DB-15 monitor connector and the signals:

8 7 6 5 4 3 2 1
15 14 13 12 11 10 9

Pin	Description	Pin	Description
1	Red ground	9	Blue video signal
2	Red video signal	10	Monitor sense 2
3	Composite synchronization	11	Synchronization ground
4	Monitor sense 0	12	Vertical synchronization
5	Green video signal	13	Blue ground
6	Green ground	14	Horizontal synchronization
7	Monitor sense 1	15	Horizontal synchronization ground
8	No connection		

The AV card also contains two identical connectors for S-Video input and

output, with adapter cables for composite video devices that have RCA connectors, like television equipment.

Here is a diagram of the pin configuration for the S-Video port and the signals:

4 7 3
2 6 5 1

Pin	Input connector	Output connector
1	AGND	AGND
2	AGND	AGND
3	Video Y (luminance)	Video Y (luminance)
4	Video C (chroma)	Video C (chroma)
5	I ² C clock (I-squared)*	Composite video
6	+12 V at 250 mA maximum**	No connection
7	I ² C data*	No connection

* Philips serial bus

** Fused at 1.1 A

Article Change History:

06 Jul 1994 - Added diagram of pin configuration for S-Video and DB-15 ports.

24 Mar 1994 - Corrected wording.

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