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Macintosh LC II: Connecting a VGA Monitor

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TOPIC -----

What are the pinouts for connecting a VGA monitor to the Macintosh LC II computer?

DISCUSSION -----

To recognize a VGA monitor, you must wire pins 10 and 7 together. Since Macintosh LC II always grounds ID bit 2, this wire will cause ID3 to be grounded and will make the VGA ID appear.

Macintosh LC	VGA Connector
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2	----- Red Video	----- 1
1	----- Red Ground	----- 6
9	----- Blue Video	----- 3
13	----- Blue Ground	----- 8
5	----- Green Video	----- 2
6	----- Green Ground	----- 7
15	----- Hsync	----- 13
12	----- Vsync	----- 14
14	----- Sync Ground	----- 10
10	-----	
7	----- Connect 7 and 10 so the sense pin ID will equal VGA	

A few issues to keep in mind:

- VGA monitors may vary, depending on the vendor. Check with the vendor about Macintosh LC II compatibility before buying.

- Vendors have different image quality specifications. There may be significant differences between Apple monitors and VGA monitors. Do a side-by-side comparison of a VGA monitor with an Apple monitor before buying.
- When a VGA monitor is connected as described in the pinout above, the resolution is 640 x 480. The bit-depth supported depends on the amount of VRAM installed. For example, if a 256K VRAM SIMM is installed, 4-bit color (16 colors) is supported. If the 512K VRAM SIMM is installed, 8-bit (256 colors) is supported.

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