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## Apple Macintosh 12-inch RGB Display: Specs and Pin Assignments

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Security: Everyone

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TOPIC -----

This article gives the specifications for the U.S. Apple Macintosh 12-inch RGB Display, introduced 15 October 1990, along with the pin assignments for the input signal jack.

DISCUSSION -----

Picture Tube	12-inch (30.5 cm) diagonal Phosphor EIA Type P22 (aluminized) High-contrast antiglare (international versions only) Shadow mask
Input Signal	Video: RS-343 standard Sync: Separate sync, negative going, TTL
User Controls	Power Switch (back panel) Brightness, with detent reference (right side) Contrast (right side)
Scanning Frequencies	Horizontal 24.48 kHz Vertical 60.15 Hz Dot Clock 30.24 MHz
Resolution	512 (H) dots by 384 (V) lines - Macintosh II 560 (H) dots by 384 (V) lines - Mac LC w/ Apple IIe Card
Active Video	Adjusted at the factory to produce an

Display Area	active video area of 8.08-inch (205 mm) horizontal by 6.02-inch (153 mm) vertical. The remainder of the screen is used for the dark border around the display.	
Size	Height:	12.2 inches (31.0 cm)
	Width:	14.4 inches (36.5 cm)
	Depth:	10.2 inches (25.9 cm)
Weight	24 lbs (10.8 kg)	
Power Requirements	90 watts maximum	
Input Voltage	Operating range	100 to 120 volts
	Frequency	50-60 Hz
Operating Ambient Temperature	50 degrees F to 104 degrees F (10 degrees C to 40 degrees C)	
Operating Humidity	95% maximum, non-condensing	
Operating Altitude	10,000 feet (3,000 m) maximum	
Fuse Protection	The monitor contains internal power line fuse protection. This fuse should be replaced with the same type by a qualified service technician.	

DB-15 style connector

Pin	Function
1	Red video return
2	Red video
3	Composite H and V TTL sync
4	Sense ID #1 - Grounded
5	Green video
6	Green video return
7	Sense ID #2 - Open
8	(not used)
9	Blue video
10	Sense ID #3 - Grounded
11	Csync return
12	(not used)
13	Blue video return
14	(not used)
15	(not used)
Shell	Shield ground

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