



# Tech Info Library

## Apple Macintosh Portrait Monitor: Specs and Pin Assignments

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Security: Everyone

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This article gives the specifications for the Apple Macintosh Portrait Monitor along with Pin assignments for input signal jack.

Picture Tube	15-inch (38.1 cm) diagonal Phosphor EIA Type B4 (White) High-contrast antiglare
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 68.85 kHz Vertical 75.0 Hz Dot Clock 57.2832 MHz
Resolution	640 (H) dots by 870 (V) lines
Active Video Display Area	Adjusted at the factory to produce an active video area of 8.0-inch (203.2 mm) horizontal by 10.8-inch (276.1 mm) vertical. The remainder of the screen is used for the dark border around the display.
Weight	35 lbs (16 kg), approximately
Power Requirements	75 watts maximum, all line conditions
Input Voltage	Operating range 85-270 Vrms, self-configuring

	Frequency	50-60 Hz
Operating Ambient Temperature	10 degrees C to 35 degrees C (50 degrees F to 95 degrees F)	
Operating Humidity	90% 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 be a qualified service technician.	
Warm-up Time	20 minutes to meet all specifications	

Pin Assignments For Input Signal Jack (D-25 Shell Style)

Pin	Function
A1	Monochrome video
A2	75 Ohms #1
A3	75 Ohms #2
1	Hsync return
2	Vsync
3	Sense #3
4	Sense return
5	Csync
6	Hsync
7	Vsync return
8	Sense #2
9	Sense #1
10	Csync return
Shell	Shell ground

