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Find the *Omni Vision LP0615E3Y* at our website: ***Click HERE***

The Display Specialists

2000 Bloomingdale Road
Units 245-250
Glendale Heights, IL 60139

Phone: (630) 893-1720
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6”
Monochrome CRT

Matsushita Replacement Monitor

Model - LP0615E3Y
Model - LP0619EVC



This Omni Vision replacement 6" monitor is offered in an open frame chassis as a direct drop-in for the Matsushita 6" monitor. This monitor requires analog video or separate TTL horizontal and vertical sync. The replacement 6” CRT provides great viewing of high brightness, sharply focused displayed data. The main circuit board is made of industrial grade epoxy/fiber glass reinforced material with an FR4 rating.

Detail Specification:

Omni Vision Model Number	**LP0615E3Y**	**LP0619EVC**
Agilent or HP (Hewlett-Packard) Part number	2090-0591-1	2090-0826
Phosphor	Green (P31)	Green (P31)
Horizontal frequency	15 kHz +/- 500 Hz	19 kHz +/- 500 Hz
Vertical frequency	60 Hz	60 Hz
Video bandwidth	to 20 MHz	To 20 MHz
Viewing Area	20 sq. in maximum	20 sq. in maximum
Scanning	Non-interlaced	Non-interlaced
Agency Approvals	UL, cUL, TUV	UL, cUL, TUV
Dimensions (HxWxD)	See mechanical drawing 94-007	See mechanical drawing 94-007
Weight	3.5 lbs.	3.5 lbs.

General Information:

- On board service controls Brightness, Contrast, Focus, Horizontal (Size, Centering, Hold), Vertical (Size, Centering, and Linearity)
- Input signal type standard - Analog Video - 0 to 0.7 volts
  Horizontal & Vertical Sync Signals - TTL level 0 to 5 volts
- Input Power - Standard +12 vdc @ 1.5 A (typical)
- Signal & Power Input Connector - Standard card edge connection or special interface headers
- Temperature - Operating from 0 to +55 degrees C
  Storage from -20 to +65 degrees C

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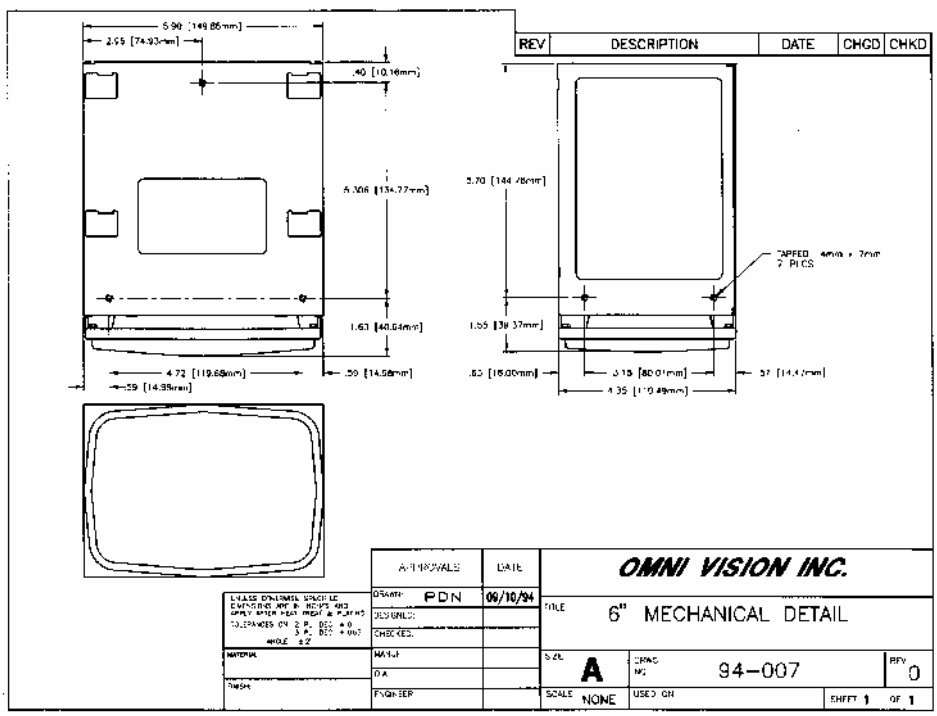
Features -

- All circuitry is on a single, double sided, plated through PCB.
- All controls are easily accessible from the top of monitor.
- The video display is stabilized through the use of a voltage controlled, temperature compensated feedback to synchronized free run oscillator.
- Electronic horizontal video centering.
- Geometric distortion - within 2 % EIS Standard Dot/Ball Chart or variation between adjacent characters not more than 10 % in alpha numeric display applications
  High Voltage - Over 8 kV at 50 microamperes of beam current with no more than 0.5 kV variation from zero beam to 100 microamperes beam current.

Additional detail specifications -

TTL signals		
Signal	Positive polarity	+ 2.5 v to 5.0 v
Video	Input Impedance Bandwidth	470 ohms Within 3 dB from 10 Hz to 26 kHz
Vertical	Input Impedance Typical Signal	Greater than 1k Ohms 180 micro seconds
Horizontal	Input Impedance Typical Signal	Greater than 6k Ohms 2.5 to 8 micro seconds
Composite video		
Signal	Positive video - negative sync	0.7 v to 1.8 v peak to peak composite
	Input Impedance Bandwidth	75 Ohms Within 3 dB from 10 Hz to 26 kHz

Drawing 94-007



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