

PROCESSOR TECHNOLOGY CORPORATION

VDM-1 VIDEO DISPLAY MODULE

SECTION II

Table 2-1. VDM-1 Video Display Module Parts List.

<u>INTEGRATED CIRCUITS</u>			
1 4001 (IC30)	1 7406 (IC1)	4 74LS163 (IC2,20,21,22)	
2 4029 (IC26,27)	2 74LS08 (IC33,34)	1 74166 (IC3)	
2 4042 (IC31,32)	2 74LS10 (IC9,40)	3 74LS175 (IC5,6,17)	
1 4049 (IC25)	1 74LS20 (IC7)	2 8097 or 8T97 (IC38,39)	
1 MCM6574,6575 or 6576 (IC4)	1 74LS86 (IC12)	1 8131 (IC29)	
2 74LS00 (IC15,35)	3 74LS109 (IC10,13,16)	1 8836 or 8T380 (IC37)	
1 74LS02 (IC14)	1 74LS132 (IC18)	8 91L02 or 21L02 (IC41 through IC48)	
2 74LS04 (IC19,36)	1 74LS138 (IC11)	1 93L16 (IC8)	
3 74LS157 (IC23,24,28)			
<u>REGULATORS</u>	<u>TRANSISTORS</u>	<u>DIODES</u>	<u>CRYSTALS</u>
1 340T-5.0V or 7805UC (IC49)	1 2N2907 (Q1)	1 1N5225B (D1)	1 HC-18/U (Y1), 14.318 MHz
1 78L12A (IC50)		2 1N4148 (D2,3)	
<u>RESISTORS</u>		<u>CAPACITORS</u>	
1 75 ohm, $\frac{1}{4}$ watt, 5%		1 10 pfd, disc	
2 100 ohm, $\frac{1}{4}$ watt, 5%		1 680 pfd, disc	
1 200 ohm, $\frac{1}{4}$ watt, 5%		3 .001 ufd, disc	
2 330 ohm, $\frac{1}{4}$ watt, 5%		1 .001 ufd, mylar	
1 680 ohm, $\frac{1}{2}$ watt, 5%		1 .01 ufd, mylar	
5 8.2K ohm, $\frac{1}{4}$ watt, 5%		1 .1 ufd, mylar	
3 39 K ohm, $\frac{1}{4}$ watt, 5%		31 .1 ufd, disc	
2 50 K ohm potentiometers		4 1 ufd, tantalum	
1 100 K ohm, $\frac{1}{4}$ watt, 5%		1 15 ufd, tantalum	
30 1.5K ohm, $\frac{1}{4}$ watt, 5%		1 100 ufd, 15V, electrolytic	
2 3.3M ohm, $\frac{1}{4}$ watt, 5%			
<u>MISCELLANEOUS</u>			
1 VDM-1 PC Board		1 Tie Wrap	
1 Heat Sink		1 Length Spaghetti	
48 DIP Sockets		3 6-32 Screws	
1 DIP Switch, 6 or 7 position		3 6-32 Lockwashers	
1 Length #24 Bare Wire		3 6-32 Nuts	
9" 8-conductor Ribbon Cable		1 Length Solder	
1 Length 72-ohm Coaxial Cable		1 Manual	