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E G A   W O N D E R   (V E R .   2)

Card Type	Video card
Video Chip Set	Unidentified
Highest Resolution Supported	800 x 600
Maximum Video Memory	256KB
Data Bus	8-bit ISA
Video Types Supported	Monochrome, CGA, EGA
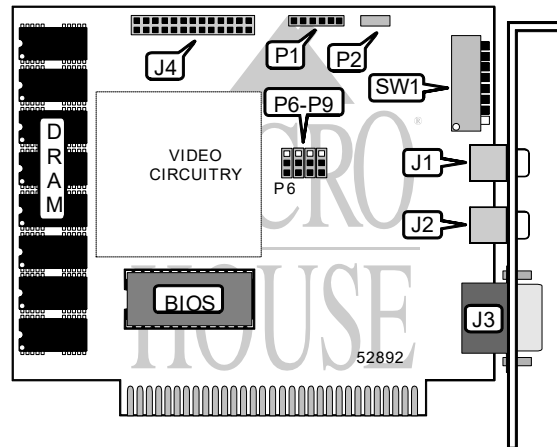
CONNECTIONS			
Function	Label	Function	Label
Composite video/Pin 4 Feature Connector	J1	Feature Connector	J4
Pin 5 Feature Connector	J2	Light pen	P1
9-pin digital video port	J3	Composite video output	P2

USER CONFIGURABLE SETTINGS		
Function	Label	Position
Enhanced features, enable	SW1/8	On
Enhanced features, disabled	SW1/8	Off
í Port address 3xx	P6	Pins 2 & 3 closed
Port address 2xx	P6	Pins 1 & 2 closed
í Video Clock- on board oscillator	P7	Pins 1 & 2 closed
Feature Connector 'EXTOSC' signal	P7	Pins 2 & 3 closed
í Sync selection- horizontal	P8	Pins 1 & 2 closed
Sync selection- composite	P8	Pins 2 & 3 closed
í J1 connected to composite sync	P9	Pins 2 & 3 closed
J1 connected with J4 pin4	P9	Pins 1 & 2 closed

DISPLAY CONFIGURATION				
Type	SW1/1	SW1/2	SW1/3	SW1/4
MDA	Off	Off	On	Off
CGA (40x25)	On	Off	Off	On
CGA (80x25)	Off	Off	Off	On
í EGA (normal)	On	On	On	Off
EGA (enhanced)	Off	On	On	Off

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MONITOR SELECTION			
Type	SW1/5	SW1/6	SW1/7
Multisync	On	Off	On
Enhanced graphics	On	Off	Off
RGB Color	On	On	Off
Monochrome	Off	On	Off
25KHz (color 1)	Off	Off	On
Composite	On	On	Off
Not used	Off	Off	Off

DISPLAY MODE SELECTION (EGA WONDER PRIMARY)						
Primary	Secondary	Monitor	SW1/1	SW1/2	SW1/3	SW1/4
MDA	CGA, 80x25	MD	Off	Off	On	Off
EGA, 80x25	MDA	ECD	Off	On	On	Off
CGA, 80x25	MDA	CD	On	On	On	Off
CGA, 80x25	MDA	CD	Off	Off	Off	On
CGA, 40x25	MDA	CD	On	Off	Off	On

DISPLAY MODE SELECTION (EGA WONDER SECONDARY)						
Primary	Secondary	Monitor	SW1/1	SW1/2	SW1/3	SW1/4
CGA, 80x25	MDA	MD	Off	On	Off	On
CGA, 40x25	MDA	MD	On	On	Off	On
MDA	EGA, 80x25	ECD	Off	Off	On	On
MDA	CGA, 80x25	CD	On	Off	On	On
MDA	CGA, 80x25	CD	Off	On	On	On
MDA	CGA, 40x25	CD	On	On	On	On

MISCELLANEOUS TECHNICAL NOTES
Note: DRAM bank identified for location only. Chip size is unidentified.