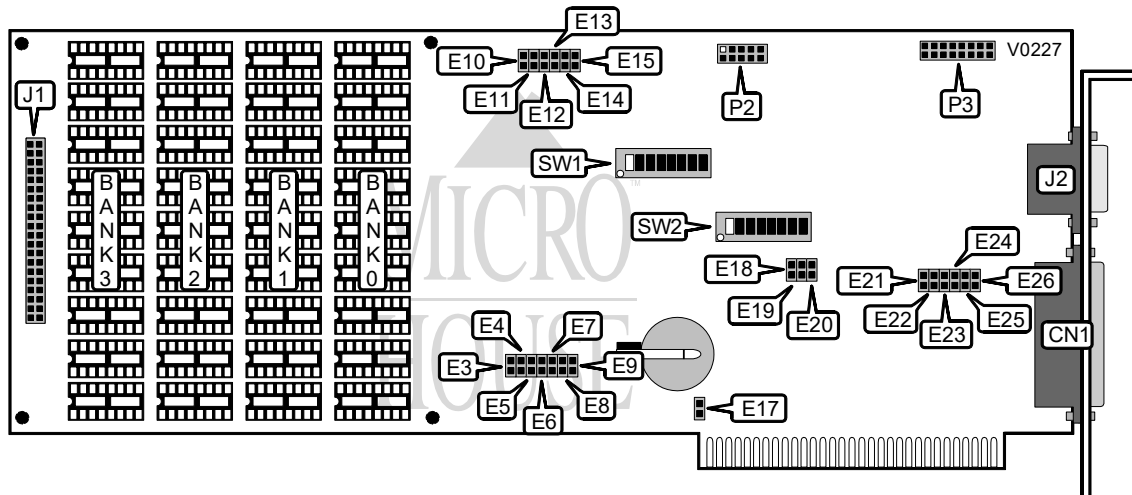# AST RESEARCH, INC.
SIXPACK PREMIUM

Card Type   Memory/Multi I/O
Chipset/Controller Western Digital
I/O Options   Game port, parallel port, serial ports (2)
Maximum DRAM   1024KB

CONNECTIONS			
Purpose	Location	Purpose	Location
Parallel port	CN1	Serial port 2	P2
Premium Pak connector	J1	Game port	P3
Serial port 1	J2		

FACTORY CONFIGURED SETTINGS	
Switch	Setting
SW1/switch 5	N/A
SW1/switch 6	N/A
SW2/switch 5	N/A
SW2/switch 6	N/A

SERIAL PORT CONFIGURATION				
Port 1 (J2)	Port 2 (P2)	E3	E4	E5
í COM1	í COM2	Closed	Open	Closed
COM2	Disabled	Open	Closed	Open
Disabled	COM2	Open	Open	Closed
Disabled	Disabled	Open	Open	Open

SERIAL PORT INTERRUPT SELECTION				
Port 1 (J2)	Port 2 (P2)	E18	E19	E20
í IRQ4	í IRQ3	Closed	Open	Closed
IRQ3	N/A	Open	Closed	Open

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SERIAL PORT NORMAL/FORCED TRUE CONFIGURATION						
Port 1	E21	E22	E23	E24	E25	E26
í Normal	Open	Closed	Open	Closed	Open	Closed
Forced True	Closed	Open	Closed	Open	Closed	Open

SERIAL PORT NORMAL/FORCED TRUE CONFIGURATION						
Port 2	E10	E11	E12	E13	E14	E15
í Normal	Open	Closed	Open	Closed	Open	Closed
Forced True	Closed	Open	Closed	Open	Closed	Open

PARALLEL PORT SETTINGS		
LPT	E6	E7
í 1	Closed	Open
2	Open	Closed
Disabled	Open	Open

PARALLEL PORT INTERRUPTS	
IRQ7	E17
í Enabled	Closed
Disabled	Open

GAME PORT CONFIGURATION	
Game Port	E8
í Enabled	Closed
Disabled	Open

CLOCK/CALENDAR CONFIGURATION	
Clock/Calendar	E9
í Enabled	On
Disabled	Off

DUAL PAGE MODE SELECTION	
Dual Page Mode	SW1/switch 7
í Enabled	On
Disabled	Off

BASE I/O ADDRESS SETTINGS				
Address	SW2/1	SW2/2	SW2/3	SW2/4
í 0218h	On	On	On	Off
0208h	On	On	On	On
0258h	On	Off	On	Off
0268h	On	Off	Off	On
02A8h	Off	On	Off	On
02B8h	Off	On	Off	Off
02E8h	Off	Off	Off	On

STARTING MEMORY ADDRESS SETTING				
Starting Memory (Mainboard)	SW1/1	SW1/2	SW1/3	SW1/4
í 640KB	Off	On	Off	On
576KB	On	Off	Off	On
512KB	Off	Off	Off	On
448KB	On	On	On	Off
384KB	Off	On	On	Off
320KB	On	Off	On	Off
256KB	Off	Off	On	Off
192KB	On	On	Off	Off
128KB	Off	On	Off	Off
64KB	On	Off	Off	Off
0KB	Off	Off	Off	Off
Note: Setting the starting address to 256KB allocates all SixPak Premium memory as expanded memory.				

SIXPAK PREMIUM MEMORY SIZE SELECTION		
Size	SW2/switch 7	SW2/switch 8
í Up to 512KB	On	Off
Up to 640KB	Off	Off
Up to 256KB	Off	On
0KB	On	On

DRAM CONFIGURATION				
Size	Bank 0	Bank 1	Bank 2	Bank 3
256KB	(9) 41256	None	None	None
512KB	(9) 41256	(9) 41256	None	None
768KB	(9) 41256	(9) 41256	(9) 41256	None
1MB	(9) 41256	(9) 41256	(9) 41256	(9) 41256

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PARITY CONFIGURATION	
Parity	SW1/switch 8
í Enabled	On
Disabled	Off
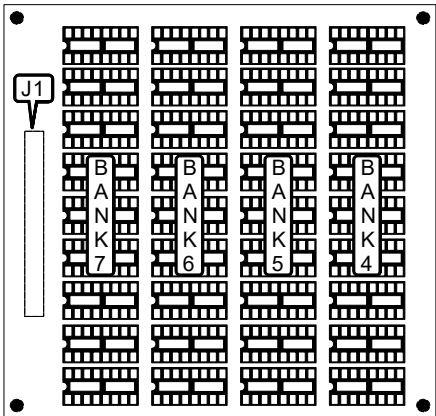
PREMIUM PAK

CONNECTIONS	
Purpose	Location
Premium Pak connector	J1

PREMIUM PAK MEMORY CONFIGURATION				
Size	Bank 4	Bank 5	Bank 6	Bank 7
1.25MB	(9) 41256	None	None	None
1.5MB	(9) 41256	(9) 41256	None	None
1.75MB	(9) 41256	(9) 41256	(9) 41256	None
2MB	(9) 41256	(9) 41256	(9) 41256	(9) 41256