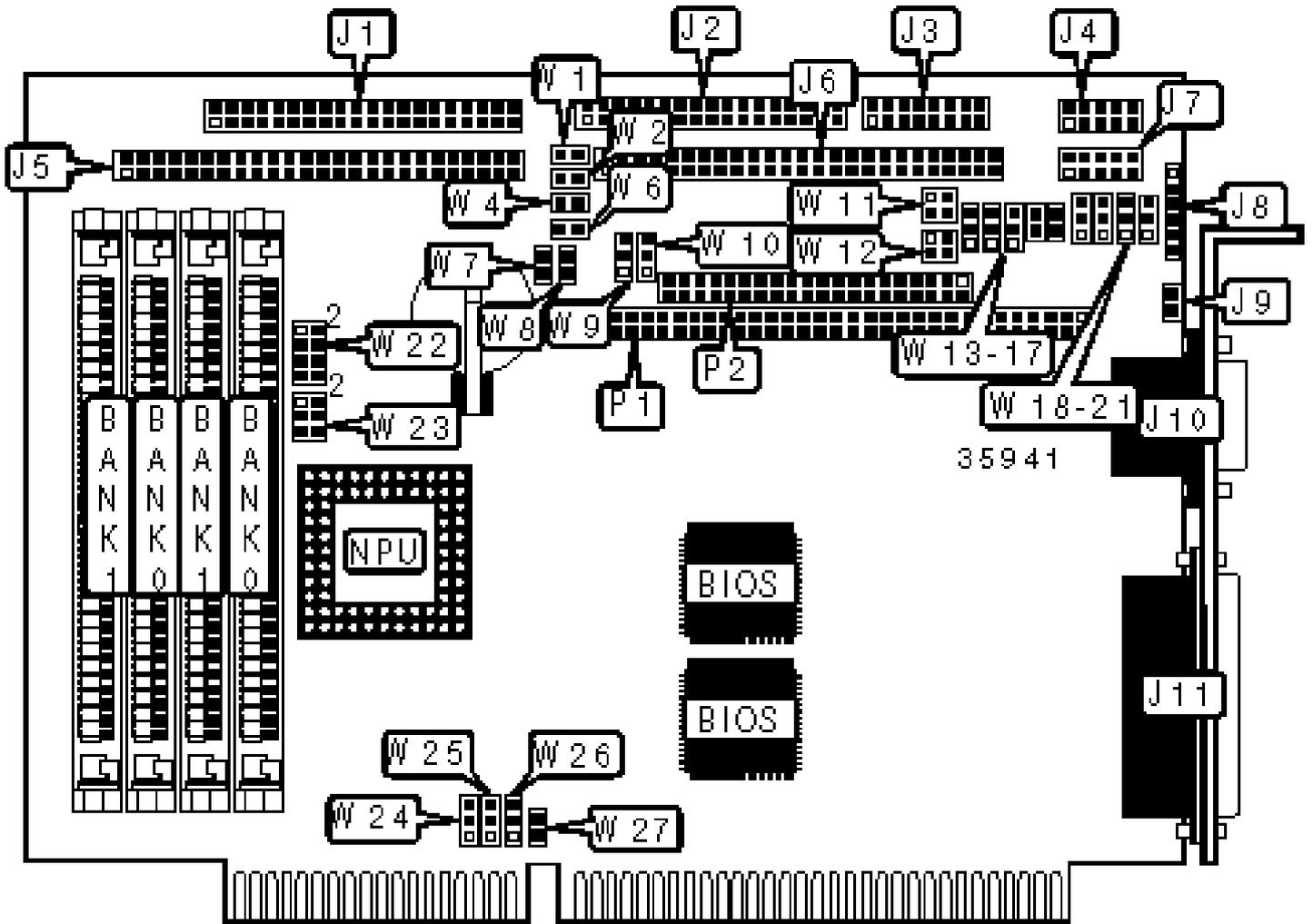


TEKNOR INDUSTRIAL COMPUTERS, INC.

VIPER801

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
IDE interface	J1	Serial port 1	J7
Floppy drive interface	J2	Power connector	J8
Multifunction connector	J3	VGA port	J10
Serial port 2	J4	Parallel port	J11
SCSI interface	J5	PC/104 connector	P1
Flat panel connector	J6	PC/104 connector	P2

USER CONFIGURABLE SETTINGS

Function	Label	Position
» Normal boot from flash BIOS	J9	Open
Emergency boot from ROM BIOS	J9	Closed
» Watchdog timer enabled	W1	Closed
Watchdog timer disabled	W1	Open
» Flash disk write enabled	W2	Closed
Flash disk write disabled	W2	Open
» Flash BIOS write enabled	W4	Closed
Flash BIOS write disabled	W4	Open
» IOCHRDY signal to IDE interface disabled	W6	Open
IOCHRDY signal to IDE interface enabled	W6	Closed
» Power fail monitoring disabled	W7	Open
Power fail monitoring enabled	W7	Closed
» SCSI address select 340H	W8	Open
SCSI address select 140H	W8	Closed
» Battery type select internal	W9	Pins 1 & 2 closed

	Battery type select external	W9	Pins 2 & 3 closed
»	Power failure select external power fail input to pin 6 on J8	W10	Pins 1 & 2 closed
	Power failure select internal/external battery < 3v	W10	Pins 2 & 3 closed
»	On board video enabled	W22/pins 1 & 2	Open
	On board video disabled	W22/pins 1 & 2	Closed
»	Factory configured – do not alter	W22/pins 3 & 4	Unidentified
»	Standard mode enabled	W22/pins 5 & 6	Open
	VT100 mode enabled	W22/pins 5 & 6	Closed
»	Serial normal mode enabled	W22/pins 7 & 8	Open
	Serial download mode enabled	W22/pins 7 & 8	Closed
»	SYSCLK select asynchronous	W27	Closed
	SYSCLK select synchronous	W27	Open

SIMM CONFIGURATION

Size	Bank 0	Bank 1
512KB	(2) 256K x 9	None
1MB	(2) 256K x 9	(2) 256K x 9
2MB	(2) 1M x 9	None
4MB	(2) 1M x 9	(2) 1M x 9
8MB	(2) 4M x 9	None
10MB	(2) 4M x 9	(2) 1M x 9
16MB	(2) 4M x 9	(2) 4M x 9

VIDEO MEMORY CONFIGURATION

Note: The location of the video memory is unidentified.

DMA CHANNEL SELECTION			
Channel		W24	W26
»	None	Open	Open
	1	Pins 1 & 2 closed	Pins 1 & 2 closed
	3	Pins 2 & 3 closed	Pins 2 & 3 closed

PARALLEL PORT INTERRUPT SELECTION			
IRQ		W25	
	None	Open	
	IRQ5	Pins 1 & 2 closed	
»	IRQ7	Pins 2 & 3 closed	

SERIAL PORT 2 SELECTION					
Setting		W18	W19	W20	W21
»	RS-232	Pins 1 & 2 closed			
	RS-422	Pins 2 & 3 closed			
	RS-485	Pins 2 & 3 closed			

SERIAL PORT LOOPBACK SELECTION			
Setting		W16	W17
»	Normal	Open	Open
	Loopback	Closed	Closed

I/O ADDRESS SELECTION			
Address		W23	
»	190H	Pins 1 & 2, 3 & 4 closed	

	290H	Pins 1 & 2 closed
	390H	Pins 3 & 4 closed
	390H	Open

SCSI DMA CHANNEL SELECTION		
Channel	W13	W14
» None	Open	Open
0	Pins 1 & 2 closed	Pins 2 & 3 closed
5	Pins 2 & 3 closed	Pins 1 & 2 closed

SCSI INTERRUPT SELECTION		
IRQ	W15	
IRQ10	Pins 1 & 2 closed	
IRQ11	Pins 2 & 3 closed	
» None	Open	

EDOUT SELECTION	
Setting	W11
EDOUT left to software	Open
EDOUT to pin 29 & ground to pin 17	Pins 1 & 3, 2 & 4 closed
EDOUT to pin 17 & ground to pin 29	Pins 1 & 2, 3 & 4 closed
Note: The above listed pins are located on J2.	

HDOUT SELECTION	
Setting	W12
HDOUT left to software	Open

HDOUT to pin 33 & ground to pin 27	Pins 1 & 3, 2 & 4 closed
HDOUT to pin 27 & ground to pin 33	Pins 1 & 2, 3 & 4 closed
Note: The above listed pins are located on J2.	