NEC TECHNOLOGIES, INC.
P O W E R M A T E   S X / 8 / 1 6   (G 8 C F W)

|	
Processor	80386SX (on external card)
Processor Speed	8/16MHz
Chip Set	Unidentified
Max. Onboard DRAM	14MB (on external cards)
Cache	None
BIOS	Unidentified
Dimensions	254mm x 218mm
I/O Options	External memory slot, CPU/NPU slot, parallel port, serial port
NPU Options	80387SX (on external card)
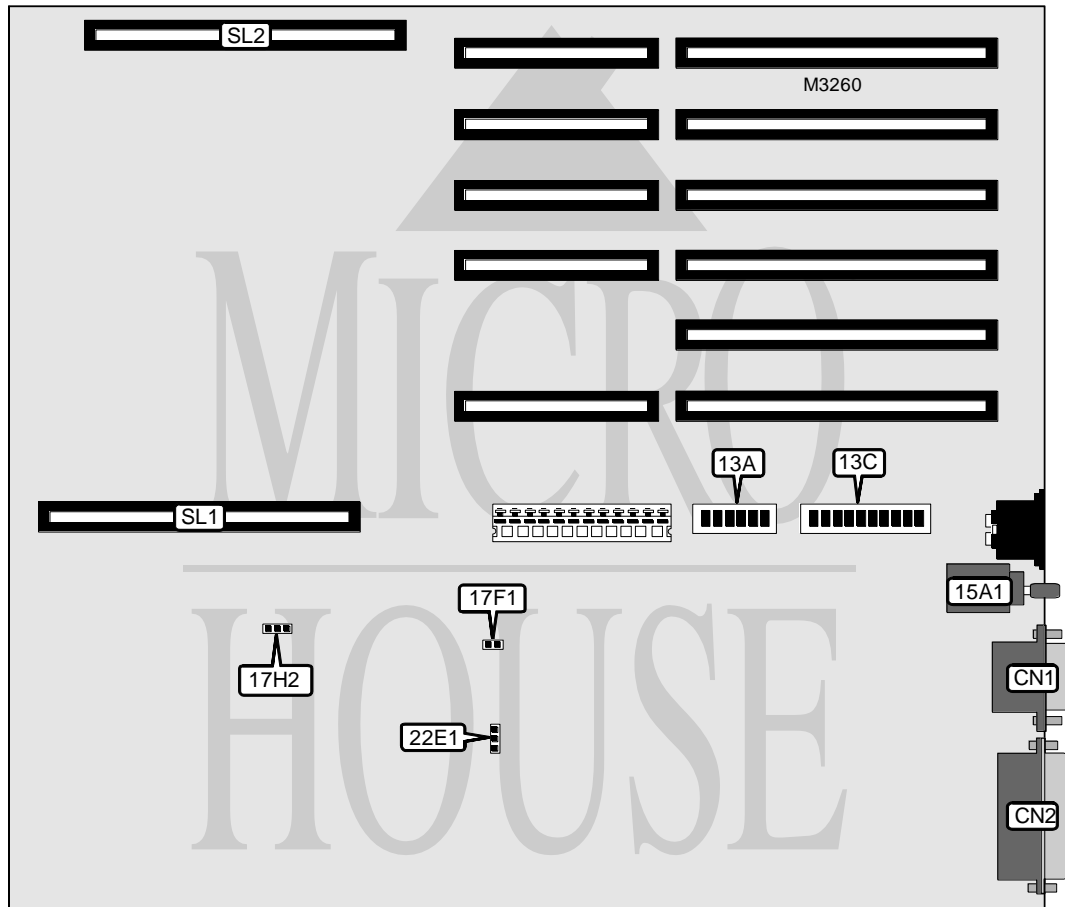
CONNECTIONS			
Purpose	Location	Purpose	Location
Serial port	CN1	CPU/NPU slot	SL1
Parallel port	CN2	External memory slot	SL2

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USER CONFIGURABLE SETTINGS		
Function	Jumper/Switch	Position
í Test mode disabled	15A1	Out
Test mode enabled	15A1	In
í Factory configured - do not alter	17F1	Open
í ATCLK clock mode select CLK2IN/2	17H2	Pins 1 & 2 closed
ATCLK clock mode select CLK2IN	17H2	Pins 2 & 3 closed
í Floppy drive transfer rate select 128/150/250/300/500Kbps	22E1	Pins 1 & 2 closed
Floppy drive transfer rate select 125/250/500Kbps	22E1	Pins 2 & 3 closed
í Monitor type select color	13A/1	On
Monitor type select monochrome	13A/1	Off
í Floppy drive channel select primary controller	13A/2	Off
Floppy drive channel select secondary controller	13A/2	On
í Floppy drive enabled	13A/3	On
Floppy drive disabled	13A/3	Off
í Serial port COM select COM1	13A/4	On
Serial port COM select COM2	13A/4	Off
í Serial port enabled	13A/5	On
Serial port disabled	13A/5	Off
í Parallel port enabled	13A/6	On
Parallel port disabled	13A/6	Off
í NPU enabled	13A/7	On
NPU disabled	13A/7	Off
í Factory configured - do not alter	13A/8	N/A
í Memory area select 0KB - 640KB	13A/9	Off
Memory area select 0KB - 512KB	13A/9	On
í Factory configured - do not alter	13A/10	N/A
í Factory configured - do not alter	13C/1	On
í Factory configured - do not alter	13C/2	Off
í Factory configured - do not alter	13C/3	Off
í Video BIOS shadow RAM enabled	13C/4	Off
Video BIOS shadow RAM disabled	13C/4	On
í Test mode disabled	13C/5	On
Test mode enabled	13C/5	Off
í System BIOS shadow RAM disabled	13C/6	On
System BIOS shadow RAM enabled	13C/6	Off

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APC-H450 MEMORY CARD

APC-H450E MEMORY CARD
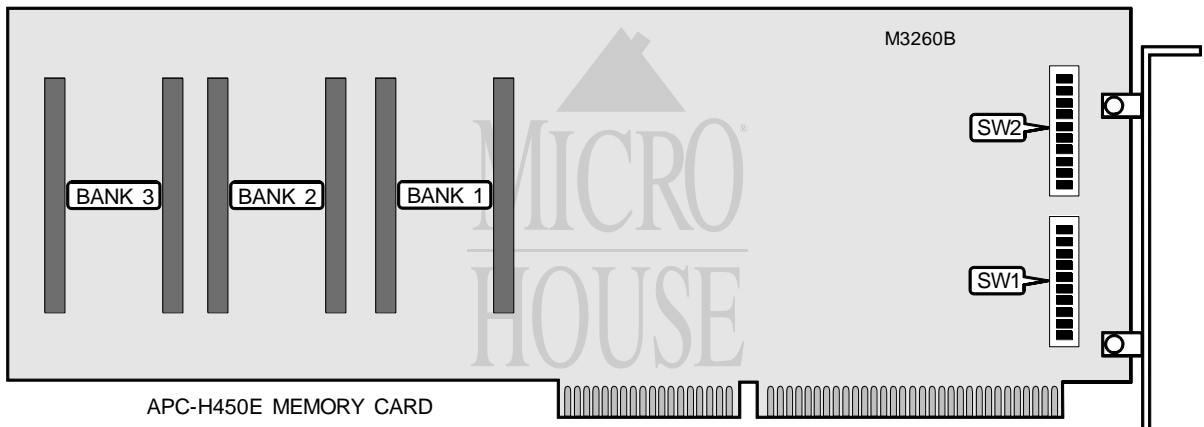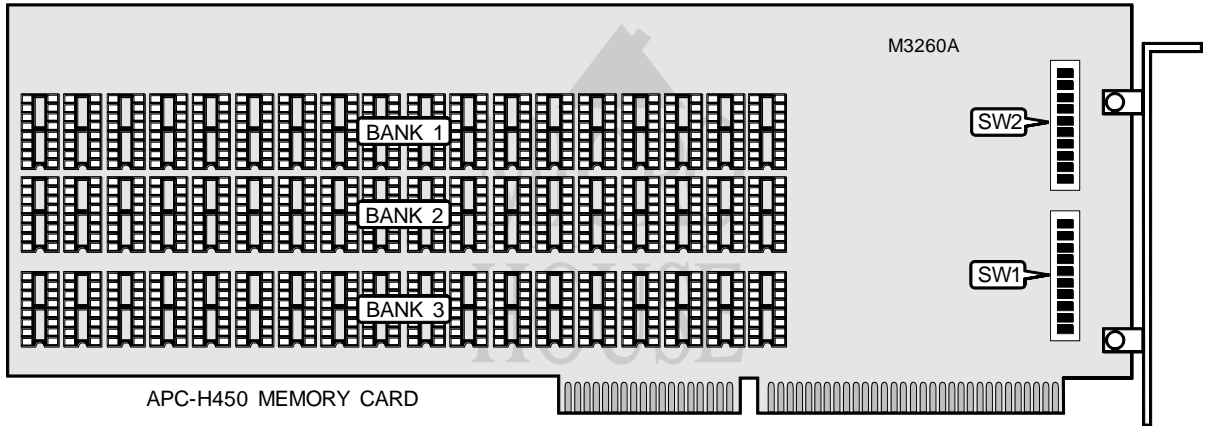
DRAM CONFIGURATION
Note: Chip sizes are unidentified.

DRAM SWITCH CONFIGURATION (APC-H450/450E MEMORY CARD)				
Size	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5
1MB	Off	Off	On	Off	Off
2MB	Off	Off	On	On	Off
3MB	Off	On	Off	Off	Off
4MB	Off	On	Off	On	Off
5MB	Off	On	On	Off	Off
6MB	Off	On	On	On	Off
7MB	On	Off	Off	Off	Off
8MB	On	Off	Off	On	Off
9MB	On	Off	On	Off	Off
10MB	On	Off	On	On	Off
11MB	On	On	Off	Off	Off
12MB	On	On	Off	On	Off
13MB	On	On	On	Off	Off
14MB	On	On	On	On	Off

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DRAM SWITCH CONFIGURATION (APC-H450/450E MEMORY CARD CON'T)					
Size	SW1/6	SW1/7	SW1/8	SW1/9	SW1/10
1MB	Off	Off	On	Off	On
2MB	Off	Off	On	On	On
3MB	Off	On	Off	Off	On
4MB	Off	On	Off	On	On
5MB	Off	On	On	Off	On
6MB	Off	On	On	On	On
7MB	On	Off	Off	Off	On
8MB	On	Off	Off	On	On
9MB	On	Off	On	Off	On
10MB	On	Off	On	On	On
11MB	On	On	Off	Off	On
12MB	On	On	Off	On	On
13MB	On	On	On	Off	On
14MB	On	On	On	On	On

DRAM SWITCH CONFIGURATION (APC-H450/450E MEMORY CARD)					
Size	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5
1MB	Off	Off	On	On	Off
2MB	Off	On	Off	Off	Off
3MB	Off	On	Off	On	Off
4MB	Off	On	On	Off	Off
5MB	Off	On	On	On	Off
6MB	On	Off	Off	Off	Off
7MB	On	Off	Off	On	Off
8MB	On	Off	On	Off	Off
9MB	On	Off	On	On	Off
10MB	On	On	Off	Off	Off
11MB	On	On	Off	On	Off
12MB	On	On	On	Off	Off
13MB	On	On	On	On	Off
14MB	On	On	On	On	On

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DRAM SWITCH CONFIGURATION (APC-H450/450E MEMORY CARD CON'T)					
Size	SW2/6	SW2/7	SW2/8	SW2/9	SW2/10
1MB	Off	Off	On	On	On
2MB	Off	On	Off	Off	On
3MB	Off	On	Off	On	On
4MB	Off	On	On	Off	On
5MB	Off	On	On	On	On
6MB	On	Off	Off	Off	On
7MB	On	Off	Off	On	On
8MB	On	Off	On	Off	On
9MB	On	Off	On	On	On
10MB	On	On	Off	Off	On
11MB	On	On	Off	On	On
12MB	On	On	On	Off	On
13MB	On	On	On	On	On
14MB	On	On	On	On	On
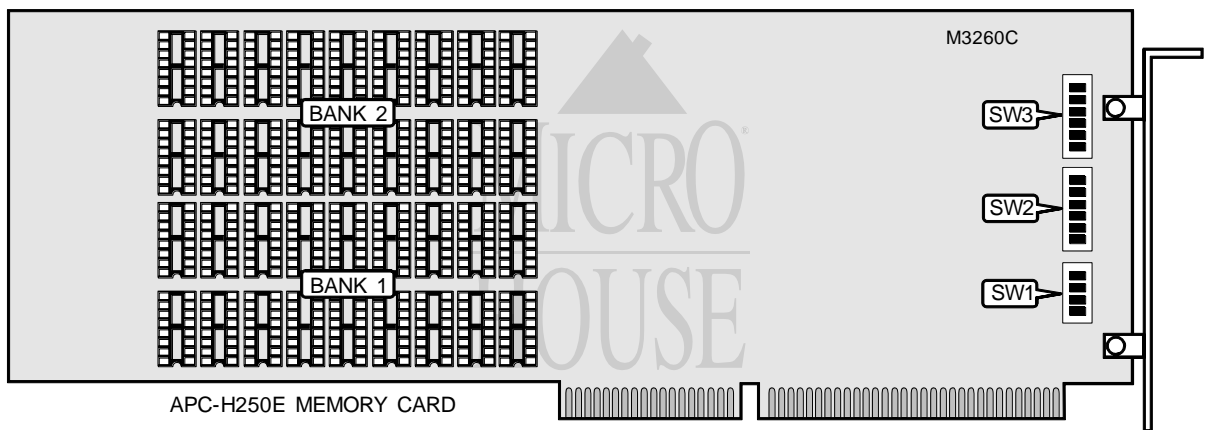
APC-H250E MEMORY CARD

DRAM CONFIGURATION
Note: Chip sizes are unidentified.

DRAM SWITCH CONFIGURATION (APC-H250E 2MB KIT INSTALLED)				
Size	SW1/1	SW1/2	SW1/3	SW1/4
1MB	On	On	On	On
2MB	On	On	On	On
3MB	On	On	On	On
4MB	On	On	On	On
5MB	On	On	On	On
6MB	On	On	On	On
7MB	On	On	On	On
8MB	On	On	On	On
9MB	On	On	On	On
10MB	On	On	On	On

NEC TECHNOLOGIES, INC.
POWERMATE SX/8/16 (G8CFW)

DRAM SWITCH CONFIGURATION (APC-H250E 2MB KIT INSTALLED CON'T)						
Size	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
1MB	Off	Off	On	Off	On	On
2MB	On	Off	Off	Off	On	On
3MB	Off	On	Off	On	Off	Off
4MB	On	Off	On	On	Off	Off
5MB	Off	On	On	On	Off	On
6MB	On	On	Off	On	Off	On
7MB	On	Off	Off	On	On	Off
8MB	On	On	On	On	On	Off
9MB	On	Off	On	On	On	On
10MB	On	On	On	On	On	On

DRAM SWITCH CONFIGURATION (APC-H250E 2MB KIT INSTALLED CON'T)						
Size	SW3/1	SW3/2	SW3/3	SW3/4	SW3/5	SW3/6
1MB	Off	On	Off	Off	Off	On
2MB	Off	On	Off	Off	Off	On
3MB	Off	On	On	Off	On	Off
4MB	Off	On	On	Off	On	Off
5MB	On	Off	Off	Off	On	On
6MB	On	Off	Off	Off	On	On
7MB	On	Off	On	On	Off	Off
8MB	On	Off	On	On	Off	Off
9MB	On	On	Off	On	Off	On
10MB	On	On	Off	On	Off	On

DRAM SWITCH CONFIGURATION (APC-H250E 2 - 2MB KITS INSTALLED)				
Size	SW1/1	SW1/2	SW1/3	SW1/4
1MB	On	Off	Off	On
2MB	On	On	Off	On
3MB	On	Off	On	Off
4MB	On	On	On	Off
5MB	On	Off	On	On
6MB	On	On	On	On
7MB	On	On	Off	Off
8MB	On	On	On	On

DRAM SWITCH CONFIGURATION (APC-H250E 2 - 2MB KITS INSTALLED CON'T)						
Size	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
1MB	On	Off	Off	Off	On	On
2MB	On	Off	Off	Off	On	On
3MB	On	Off	On	On	Off	Off
4MB	On	Off	On	On	Off	Off
5MB	On	On	Off	On	Off	On
6MB	On	On	Off	On	Off	On
7MB	On	On	On	On	On	Off
8MB	On	On	On	On	On	Off

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DRAM SWITCH CONFIGURATION (APC-H250E 2 - 2MB KITS INSTALLED CON'T)						
Size	SW3/1	SW3/2	SW3/3	SW3/4	SW3/5	SW3/6
1MB	Off	On	Off	Off	Off	On
2MB	Off	On	Off	Off	Off	On
3MB	Off	On	On	Off	On	Off
4MB	Off	On	On	Off	On	Off
5MB	On	Off	Off	Off	On	On
6MB	On	Off	Off	Off	On	On
7MB	On	Off	On	On	Off	Off
8MB	On	Off	On	On	Off	Off

DRAM SWITCH CONFIGURATION (APC-H250E NO KITS INSTALLED)				
Size	SW1/1	SW1/2	SW1/3	SW1/4
1MB	On	On	On	On
2MB	On	On	On	On
3MB	On	On	On	On
4MB	On	On	On	On
5MB	On	On	On	On
6MB	On	On	On	On
7MB	On	On	On	On
8MB	On	On	On	On
9MB	On	On	On	On
10MB	On	On	On	On
11MB	On	On	On	On
12MB	On	On	On	On
13MB	On	On	On	On
14MB	On	On	On	On

DRAM SWITCH CONFIGURATION (APC-H250E NO KITS INSTALLED CON'T)						
Size	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6
1MB	On	On	On	Off	Off	On
2MB	On	On	On	Off	On	On
3MB	On	On	On	Off	On	Off
4MB	On	On	On	On	Off	Off
5MB	On	On	On	Off	On	On
6MB	On	On	On	On	Off	On
7MB	On	On	On	On	On	On
8MB	On	On	On	On	On	Off
9MB	On	On	On	On	On	On
10MB	On	On	On	On	On	On
11MB	On	On	On	On	On	Off
12MB	On	On	On	On	On	On
13MB	On	On	On	On	On	On
14MB	On	On	On	On	On	On

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DRAM SWITCH CONFIGURATION (APC-H250E NO KITS INSTALLED CON'T)						
Size	SW3/1	SW3/2	SW3/3	SW3/4	SW3/5	SW3/6
1MB	Off	On	Off	Off	Off	On
2MB	Off	On	Off	Off	Off	On
3MB	Off	On	On	Off	On	Off
4MB	Off	On	On	Off	On	Off
5MB	On	Off	Off	Off	On	On
6MB	On	Off	Off	Off	On	On
7MB	On	On	Off	On	Off	On
8MB	On	On	On	On	On	Off
9MB	On	On	On	On	On	Off
10MB	On	On	Off	On	Off	On
11MB	On	On	On	On	On	Off
12MB	On	On	On	On	On	Off
13MB	On	On	On	On	On	On
14MB	On	On	On	On	On	On