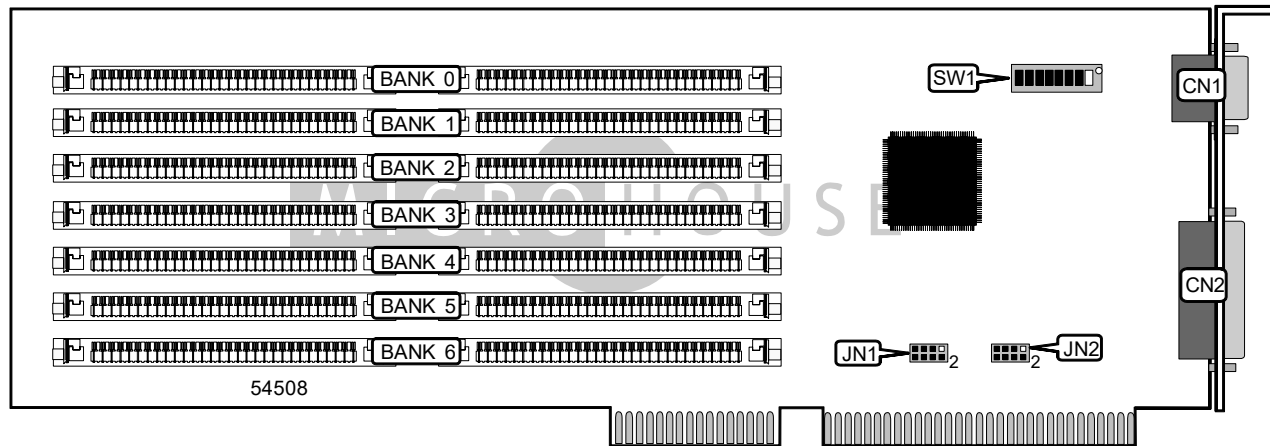


IBM CORPORATION ENHANCED MEMORY EXPANSION ADAPTER

Card Type	Multi I/O card
Maximum Onboard Memory	15.5MB DRAM
I/O Options	Serial port, parallel port, 32-pin SIMM memory slots (12)
Data Bus	16-bit ISA



CONNECTIONS			
Function	Location	Function	Location
Serial port	CN1	Parallel port	CN2

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
512KB	(2) 256KB x 9	None	None
1MB	(2) 256KB x 9	(2) 256KB x 9	None
1MB	(2) 512KB x 9	None	None
1.5MB	(2) 256KB x 9	(2) 256KB x 9	(2) 256KB x 9
2MB	(2) 256KB x 9	(2) 256KB x 9	(2) 256KB x 9
2MB	(2) 512KB x 9	(2) 512KB x 9	None
2MB	(2) 1MB x 9	None	None
2.5MB	(2) 256KB x 9	(2) 512KB x 9	(2) 512KB x 9
3MB	(2) 256KB x 9	(2) 256KB x 9	(2) 256KB x 9
3MB	(2) 512KB x 9	(2) 512KB x 9	(2) 512KB x 9
3.5MB	(2) 256KB x 9	(2) 512KB x 9	(2) 512KB x 9
4MB	(2) 256KB x 9	(2) 256KB x 9	(2) 256KB x 9
4MB	(2) 1MB x 9	(2) 1MB x 9	None
4.5MB	(2) 256KB x 9	(2) 512KB x 9	(2) 512KB x 9
6MB	(2) 256KB x 9	(2) 256KB x 9	(2) 512KB x 9
6.5MB	(2) 256KB x 9	(2) 512KB x 9	(2) 512KB x 9
7MB	(2) 512KB x 9	(2) 512KB x 9	(2) 512KB x 9
14MB	(2) 1MB x 9	(2) 1MB x 9	(2) 1MB x 9

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DRAM CONFIGURATION (cont'd)				
Size	Bank 3	Bank 4	Bank 5	Bank 6
512KB	None	None	None	None
1MB	None	None	None	None
1MB	None	None	None	None
1.5MB	None	None	None	None
2MB	(2) 256KBx9	None	None	None
2MB	None	None	None	None
2MB	None	None	None	None
2.5MB	None	None	None	None
3MB	(2) 256KB x 9	256KB x 9	256KB x 9	None
3MB	None	None	None	None
3.5MB	(2) 512KB x 9	None	None	None
4MB	(2) 256KB x 9	(2) 256KB x 9	(2) 256KB x 9	(2) 512KB x 9
4MB	None	None	None	None
4.5MB	(2) 512KB x 9	(2) 512KB x 9	None	None
6MB	(2) 512KB x 9	(2) 512KB x 9	(2) 512KB x 9	(2) 512KB x 9
6.5MB	(2) 512KB x 9	(2) 512KB x 9	(2) 512KB x 9	(2) 512KB x 9
7MB	(2) 512KB x 9	(2) 512KB x 9	(2) 512KB x 9	(2) 512KB x 9
14MB	(2) 1MB x 9	(2) 1MB x 9	(2) 1MB x 9	(2) 1MB x 9
Note: If you are installing a mix of 256KB and 512KB SIMM's, then you must install the 256KB SIMM's first, starting at BANK 0. When you install 1MB SIMM modules on the board, you must only use 1MB SIMM modules throughout the board.				

EXPANSION MEMORY CONFIGURATION					
Size	SW 1	SW 2	SW 3	SW 4	SW 5
1MB	Off	Off	Off	On	Off
1.5MB	Off	Off	Off	On	On
2MB	Off	Off	On	Off	Off
2.5MB	Off	Off	On	Off	On
3MB	Off	Off	On	On	Off
3.5MB	Off	Off	On	On	On
4MB	Off	On	Off	Off	Off
4.5MB	Off	On	Off	Off	On
5MB	Off	On	Off	On	Off
5.5MB	Off	On	Off	On	On
6MB	Off	On	On	Off	Off
6.5MB	Off	On	On	Off	On
7MB	Off	On	On	On	Off
7.5MB	Off	On	On	On	On
8MB	On	Off	Off	Off	Off
8.5MB	On	Off	Off	Off	On
9MB	On	Off	Off	On	Off
9.5MB	On	Off	Off	On	On

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ENHANCED MEMORY EXPANSION ADAPTER

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EXPANSION MEMORY CONFIGURATION (cont'd)					
Size	SW1	SW2	SW3	SW4	SW5
10MB	On	Off	On	Off	Off
10.5MB	On	Off	On	Off	On
11MB	On	Off	On	On	Off
11.5MB	On	Off	On	On	On
12MB	On	On	Off	Off	Off
12.5MB	On	On	Off	Off	On
13MB	On	On	Off	On	Off
13.5MB	On	On	Off	On	On
14MB	On	On	On	Off	Off
14.5MB	On	On	On	Off	On
15MB	On	On	On	On	Off
15.5MB	On	On	On	On	On
Note: If you are adding base memory, then switches 1-5 should specify a 1MB starting address. If there is already expansion memory installed, the starting address of the adapter must follow the last address of the existing memory.					

BASE MEMORY CONFIGURATION		
Function	SW 1/6	SW 1/7
Base memory address selection (256KB)	On	Off
Base memory address selection (512KB)	Off	On
Base memory address selection (640KB)	Off	Off
Note: If you have 640KB of base memory, the switch settings depend on the amount of expansion memory you have installed.		

PARALLEL PORT ADDRESS SELECTION		
Setting	Label	Position
LPT1 (378h)	JN2	Pins 1 & 2, 3 & 4 closed
LPT2 (278h)	JN2	Pins 5 & 6, 7 & 8 closed
Note: 4-pin jumper module needs to be rotated 180 degrees to set either LPT1 or LPT2.		

SERIAL PORT 1 ADDRESS SELECTION		
Setting	Label	Position
COM1 (3F8h)	JN1	Pins 1 & 2, 3 & 4 closed
COM2 (2F8h)	JN1	Pins 5 & 6, 7 & 8 closed
Note: 4-pin jumper module needs to be rotated 180 degrees to set either COM1 or COM2.		