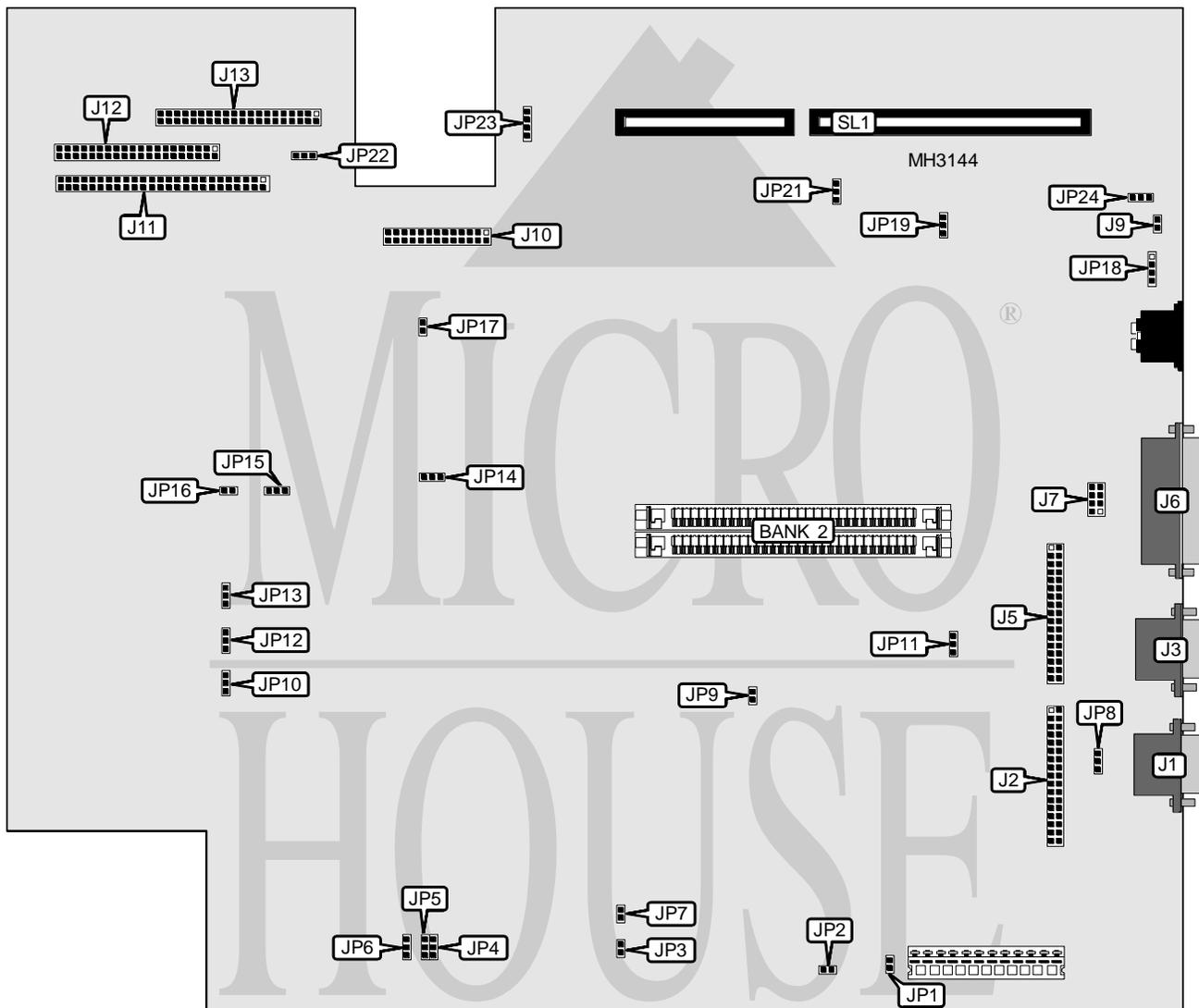


# IPC CORPORATION, LTD.

## IPC MBMPS328#11

<b>Processor</b>	80386SX (exact location unidentified)
<b>Processor Speed</b>	25/33MHz
<b>Chip Set</b>	Unidentified
<b>Max. Onboard DRAM</b>	9MB
<b>Cache</b>	8/32KB
<b>BIOS</b>	Unidentified
<b>Dimensions</b>	355mm x 305mm
<b>I/O Options</b>	Scanner port, IFM328PNL connectors (2), serial ports (2), floppy drive interface, IDE interfaces (2), SCSI connector, parallel port, customer display connector, printer power supply connector, drawer connector, hard drive power connector, riser slot
<b>NPU Options</b>	None



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CONNECTIONS			
Purpose	Location	Purpose	Location
Scanner port	J1	SCSI connector	J11
IFM328PNL connector	J2	2.5" IDE interface	J12
Serial port 1	J3	3.5 " IDE interface	J13
IFM328PNL connector	J5	Printer power supply connector	JP2
Serial port 2/external floppy	J6	Reset switch	JP1
Customer display connector	J7	Drawer connector	JP18
Speaker	J9	Hard drive power connector	JP23
Parallel port	J10	Riser slot	SL1

USER CONFIGURABLE SETTINGS		
Function	Jumper	Position
í Read ROM scan code enabled	J4-1	Open
Read program scan mode enabled	J4-1	Closed
í MCR mode select independent	J4-2	Open
MCR mode select simultaneous	J4-2	Closed
í Reset disabled	JP1	Open
Reset enabled	JP1	Closed
í Keyboard buzzer enabled	JP3	Closed
Keyboard buzzer disabled	JP3	Open
í Operator display address select 100H	JP4	pins 1 & 2 closed
Operator display address select 10CH	JP4	pins 2 & 3 closed
í Floppy drive set as A drive	JP7	Closed
Floppy drive set as B drive	JP7	Open
í COM1 signal select RI signal	JP8	pins 1 & 2 closed
COM1 signal select +5v	JP8	pins 2 & 3 closed
í ROM type select external	JP9	Closed
ROM type select internal	JP9	Open
í Keylock #5 to control read NVR disabled	JP10	pins 1 & 2 closed
Keylock #5 to control read NVR enabled	JP10	pins 2 & 3 closed
í SRAM for keyboard controller size select 2KB	JP11	pins 1 & 2 closed
SRAM for keyboard controller size select 8KB	JP11	pins 2 & 3 closed
í NVR type select 128KB	JP12	Open
NVR type select 256KB	JP12	pins 1 & 2 closed
NVR type select 8/32KB	JP12	pins 2 & 3 closed
í Keylock #1 to control write NVR disabled	JP13	pins 1 & 2 closed
Keylock #1 to control write NVR enabled	JP13	pins 2 & 3 closed
í CMOS memory clear 1287A only	JP15	pins 1 & 2 closed
CMOS memory clear 1287 only	JP15	pins 2 & 3 closed
í Monitor type select monochrome	JP16	Open
Monitor type select CGA/EGA/VGA	JP16	Closed
í IDE interface disabled	JP17	Open
IDE interface enabled	JP17	Closed
í Serial port select COM1 & COM2	JP19	pins 1 & 2 closed
Serial port select COM3 & COM4	JP19	pins 2 & 3 closed

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USER CONFIGURABLE SETTINGS (CON'T)		
Function	Jumper	Position
í Keylock #1 control of floppy access disabled	JP21	pins 1 & 2 closed
Keylock #1 control of floppy access enabled	JP21	pins 2 & 3 closed
í Hard drive type select 3.5"	JP22	pins 1 & 2 closed
Hard drive type select 2.5"	JP22	pins 2 & 3 closed
í Buzzer enabled	JP24	pins 2 & 3 closed
Speaker enabled	JP24	pins 1 & 2 closed

Note: The location of J4 is unidentified.

DRAM CONFIGURATION			
Size	Bank 0	Bank 1	Bank 2
512KB	512KB	NONE	NONE
1MB	512KB	(1) 256K x 16	NONE
1.5MB	512KB	(1) 256K x 16	(2) 256K x 9
3MB	512KB	(1) 256K x 16	(2) 1M x 9
9MB	512KB	(1) 256K x 16	(2) 4M x 9

Note: Bank 0 is factory installed and is not configurable. The location of Banks 0 & 1 are unidentified. Bank 1 uses a proprietary SIMM module.

CACHE CONFIGURATION
Note: The location and the cache chip sizes are unidentified. Cache installed will either be 8KB or 32KB.

CACHE JUMPER CONFIGURATION		
Size	JP5	JP6
8KB	pins 2 & 3 closed	pins 1 & 2 closed
32KB	pins 1 & 2 closed	pins 2 & 3 closed

CPU SPEED CONFIGURATION	
Speed	JP14
25MHz	pins 1 & 2 closed
33MHz	pins 2 & 3 closed

MAGNETIC CARD READER CONFIGURATION		
MCR	J4-3	J4-4
í Single track	Closed	Closed
Dual track	Open	Closed
Triple track	Closed	Open

Note: The location of J4 is unidentified.

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CCD SCANNER BAUD RATE CONFIGURATION			
Baud rate	J4-5	J4-6	J4-7
1200 BPS	Closed	Closed	Closed
2400 BPS	Open	Closed	Closed
4800 BPS	Closed	Open	Closed
9600 BPS	Closed	Closed	Open

Note: The location of J4 is unidentified.