DISTRIBUTED PROCESSING TECHNOLOGY
PM2021A/90, PM2021A/95

Q4/93

Data bus:	16-bit, ISA (PM2021A/9x)
Size:	Half-length, full-height card
Hard drive supported:	Up to seven SCSI drives
Floppy drives supported:	Two 360KB, 720KB, 1.2MB, or 1.44MB drives (PM2x2x/95 only)
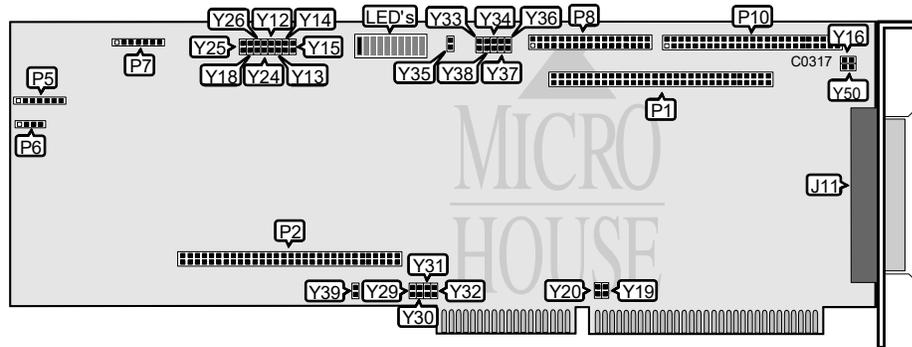
CONNECTIONS	
Function	Location
CM4000 Cache Module Connector	P1
CM4000 Cache Module Connector	P2
DM4000 Disk Array Module Connector	P5
4-pin connector-Drive active LED	P6
DM400 Disk Array Module Connector	P7
34-pin control cable connector-floppy drive	P8
50-pin SCSI connector - internal	P10
50-pin SCSI connector - external	J11

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DMA TRANSFER RATE			
Speed	Jumper Y12	Jumper Y13	Jumper Y14
10MB/sec	open	open	open
8MB/sec	closed	open	open
6.667MB/sec	open	closed	open
5.7MB/sec	closed	closed	open
í 5.0MB/sec	open	open	closed
4.4MB/sec	closed	open	closed
4.0MB/sec	open	closed	closed
3.0MB/sec	closed	closed	closed

SCSI ADDRESS			
SCSI I.D.	Jumper Y18	Jumper Y25	Jumper Y26
0	open	open	open
1	open	closed	open
2	closed	open	open
3	closed	closed	open
4	open	open	closed
5	open	closed	closed
6	closed	open	closed
í 7	closed	closed	closed

INTERRUPT REQUEST		
IRQ	Y29	Y30
Disabled	open	open
IRQ12	open	closed
í IRQ15	closed	open
IRQ14	closed	closed

DMA CHANNEL		
DRQ	Y31	Y32
DRQ0	open	open
DRQ7	open	closed
DRQ6	closed	open
í DRQ5	closed	closed

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I/O PORT ADDRESS		
Address	Y33	Y35
230h	open	open
í 170h	open	closed
330h	closed	open
1F0h	closed	closed

BIOS ADDRESS		
Address	Y36	Y37
Disabled	open	open
DC00h	open	closed
D800h	closed	open
í C800h	closed	closed

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í DMA duty cycle is fast	Y15	open
DMA duty cycle is slow	Y15	closed
í SCSI termination enabled	Y16	closed
SCSI termination disabled	Y16	open
í Address LInes SA17-19 and LA17-19 driven	Y19	closed
Only Address LInes LA17-19 driven	Y19	open
í Floppy drive enabled	Y20	closed
Floppy drive disabled	Y20	open
í Bus Mastering enabled	Y24	closed
Bus Mastering disabled	Y24	open
í BIOS ROM size is 8K	Y38	open
BIOS ROM size is 16K	Y38	closed
í External SCSI cable detection disabled	Y39	open
External SCSI cable detection enabled*	Y39	closed
í Controller supplies TERMPWR to SCSI interface 26	Y50	closed
TERMPWR not supplied to SCSI Interface 26	Y50	open

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STATUS LED'S	
LED	Definition
LED 1	Busy
LED 2	Computer Bus Transfer to Adapter
LED 3	Computer Bus Transfer from Adapter
LED 4	Cache Hit
LED 5	Disk Read-Ahead Active
LED 6	Disk Read
LED 7	Disk Write
LED 8	Adapter Reset
LED 9	Interrupt Pending to Computer
LED 10	DRQ Asserted to Computer

MISCELLANEOUS TECHNICAL NOTES
Detection of an external SCSI cable limits the maximum SCSI bus transfer rate to 5MB/sec. The function of Jumper Y34 is unknown.