DISTRIBUTED PROCESSING TECHNOLOGY
PM2011/95 - EISA

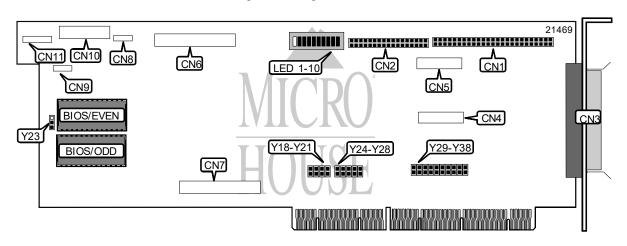|	
Card Type	Hard drive controller
Maximum Onboard Memory	16.5MB
Hard Drives supported	Up to 7 SCSI devices
Floppy drives supported	Two 360KB, 720KB, 1.2MB, or 1.44MB drives
Data Bus	EISA
Card Size	Full-length, full-height

CONNECTIONS			
Function	Location	Function	Location
50-pin SCSI connector - internal	CN1	Memory module connector	CN7
34-pin cable connector - floppy drive	CN2	Disk mirroring module connector	CN8
50-pin SCSI connector - external	CN3	Disk mirroring module connector	CN9
Cache module connector	CN4	Memory expansion board cable connector	CN10
Cache module connector	CN5	Drive active LED	CN11
Memory module connector	CN6		
Note: Exact size and orientation of CN4-CN11 is unidentified.			

USER CONFIGURABLE SETTINGS		
Function	Label	Position
í Address lines LA17-19 and SA17-19 are driven	Y19	Closed
Only address lines LA17-19 are driven	Y19	Open
í Floppy drive interface enabled	Y20	Open
Floppy drive interface disabled	Y20	Closed
í EPROM size 256KB enabled	Y23	Pins 2 & 3 closed
EPROM size 512KB enabled	Y23	Pins 1 & 2 closed
í Bus mastering enabled	Y24	Open
Bus mastering disabled	Y24	Closed
í Bus master DMA speed 4MB/sec enabled	Y27	Closed
Bus master DMA speed 5MB/sec enabled	Y27	Open
í Floppy drive interface 3F0h address enabled	Y34	Open
Floppy drive interface 370h address enabled	Y34	Closed
í Factory configured - do not alter	Y38	Unidentified

DISTRIBUTED PROCESSING TECHNOLOGY
PM2011/95 - EISA

SCSI ID SELECTION			
SCSI ID	Y18	Y25	Y26
0	Closed	Closed	Closed
1	Closed	Open	Closed
2	Open	Closed	Closed
3	Open	Open	Closed
4	Closed	Closed	Open
5	Closed	Open	Open
6	Open	Closed	Open
í 7	Open	Open	Open

DMA CHANNEL SELECTION		
Channel	Y31	Y32
0	Open	Open
í 5	Closed	Closed
6	Closed	Open
7	Open	Closed

BIOS ADDRESS SELECTION		
Address	Y36	Y37
í C8000h	Closed	Closed
D8000h	Closed	Open
DC000h	Open	Closed
Disabled	Open	Open

BASE I/O ADDRESS SELECTION		
Address	Y33	Y35
í 1F0h	Closed	Closed
170h	Open	Closed
230h	Open	Open
330h	Closed	Open

INTERRUPT SELECTION		
IRQ	Y29	Y30
IRQ12	Open	Closed
IRQ14	Closed	Closed
IRQ15	Closed	Open
Disabled	Open	Open

MEMCS16 ISA BUS SIGNAL SELECTION		
Setting	Y21	Y28
Ignore signal	Open	Closed
Decode signal	Closed	Open

DISTRIBUTED PROCESSING TECHNOLOGY
PM2011/95 - EISA

DIAGNOSTIC LED(S)			
LED	Color	Status	Condition
1 - 8	Unidentified	Rotate in bit pattern	Controller in Idle state
			Controller in Active state:
1	Unidentified	On	Busy
2	Unidentified	On	Computer bus transfer to controller
3	Unidentified	On	Computer bus transfer from controller
4	Unidentified	On	Cache hit
5	Unidentified	On	Disk read-ahead active
6	Unidentified	On	Disk read
7	Unidentified	On	Disk write
8	Unidentified	On	Controller reset
9	Unidentified	On	Controller interrupt pending to computer
10	Unidentified	On	DRQ asserted to computer
1 - 4, 5 - 8	Unidentified	Blinking together alternately	Controller in Fatal Trap state (will not let computer boot)
			Controller in power up state (3 stages):
1 - 10	Unidentified	On	(1) Display amount of cache in a binary pattern, with LED 1 as the least significant binary digit.
1, 2, 5, 6	Unidentified	Blinking together alternately	(2) Waiting period
2, 3, 6, 7	Unidentified	Blinking together alternately	(2) Waiting period
1, 3, 5, 7	Unidentified	Blinking together alternately	(3) Contact is being established with SCSI drives
2, 4, 6	Unidentified	Blinking together alternately	(3) Contact is being established with SCSI drives

MISCELLANEOUS TECHNICAL NOTES
The controller cannot use caching without the CM401X caching module. The MM401X memory modules cannot operate without the caching module.
The memory modules come in 2MB and 4MB size but can only be installed one at the time unless the MX401X expansion card is connected to the controller.
DM401X is the disk mirroring module which provide RAID 1 disk mirroring capability.