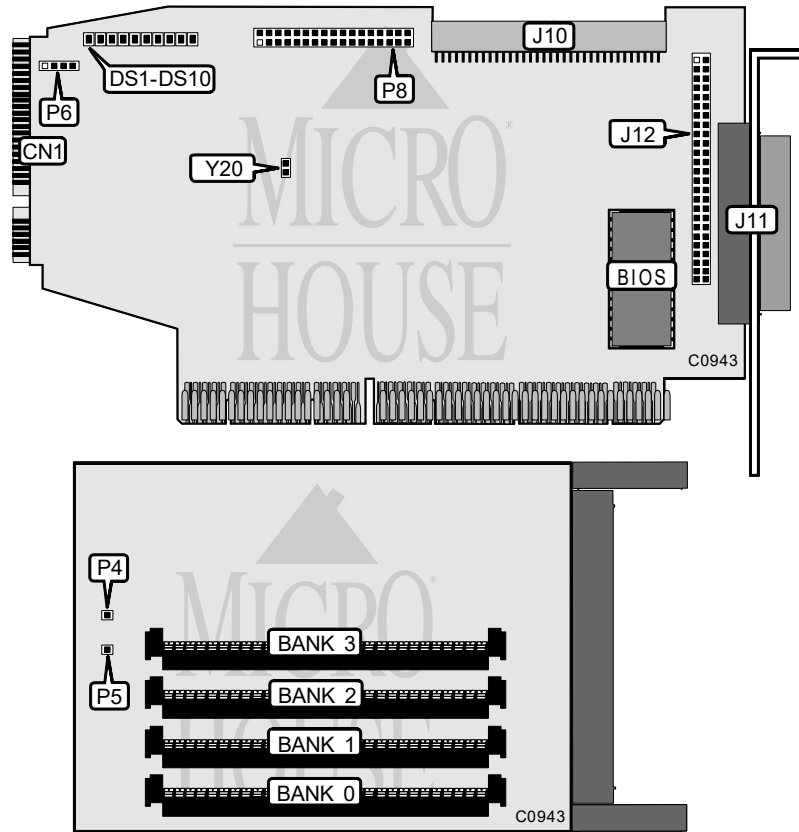


## DISTRIBUTED PROCESSING TECHNOLOGY PM2042W/PM2042FW/PM2142W/PM2142FW

Q2/96

|                          |                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Data bus:                | 32-bit EISA                                                                                                           |
| Size:                    | Half length, full-height card                                                                                         |
| Hard drive supported:    | Fifteen SCSI-Wide, or eight SCSI-Wide with seven SCSI-2 Narrow                                                        |
| Floppy drives supported: | SCSI-3 and Fast SCSI devices also supported<br>Two 360KB, 720KB, 1.2MB, or 1.44MB drives (PM2042FW and PM2142FW only) |



RC4040 - Optional RAID & Caching Module

*Continued on next page. . .*

# DISTRIBUTED PROCESSING TECHNOLOGY

## PM2042W/PM2042FW/PM2142W/PM2142FW

...continued from previous page

| CONNECTIONS                                                        |          |
|--------------------------------------------------------------------|----------|
| Function                                                           | Location |
| RC4040 connector                                                   | CN1      |
| 68-pin SCSI connector - internal                                   | J10      |
| 68-pin SCSI connector - external                                   | J11      |
| 50-pin SCSI connector - internal                                   | J12      |
| LED - ECC enabled (green)                                          | P4       |
| LED - memory fault (red)                                           | P5       |
| 4-pin connector - drive active LED                                 | P6       |
| 34-pin cable connector - floppy drive (PM2042FW and PM2142FW only) | P8       |
| LED - adapter busy                                                 | DS1      |
| LED - computer bus transfer to adapter                             | DS2      |
| LED - computer bus transfer from adapter                           | DS3      |
| LED - cache hit                                                    | DS4      |
| LED - disk read/ahead active                                       | DS5      |
| LED - disk read                                                    | DS6      |
| LED - disk write                                                   | DS7      |
| LED - adapter reset                                                | DS8      |
| LED - interrupt to computer pending                                | DS9      |
| LED - DRQ to computer asserted                                     | DS10     |

| USER CONFIGURABLE SETTINGS                                |          |         |
|-----------------------------------------------------------|----------|---------|
| Function                                                  | Location | Setting |
| Floppy drive interface enabled                            | Y20      | Closed  |
| Floppy drive interface disabled                           | Y20      | Open    |
| Note: Floppy drives only on models PM2042FW and PM2142FW. |          |         |

| DRAM CONFIGURATION |               |               |               |               |
|--------------------|---------------|---------------|---------------|---------------|
| Size               | Bank 0        | Bank 1        | Bank 2        | Bank 3        |
| 1MB                | (1) 256K x 36 | None          | None          | None          |
| 1MB                | None          | (1) 256K x 36 | None          | None          |
| 1MB                | None          | None          | (1) 256K x 36 | None          |
| 1MB                | None          | None          | None          | (1) 256K x 36 |
| 2MB                | (1) 256K x 36 | (1) 256K x 36 | None          | None          |
| 2MB                | None          | (1) 256K x 36 | (1) 256K x 36 | None          |
| 2MB                | None          | None          | (1) 256K x 36 | (1) 256K x 36 |
| 3MB                | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 | None          |
| 3MB                | None          | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 |
| 3MB                | (1) 256K x 36 | None          | (1) 256K x 36 | (1) 256K x 36 |
| 3MB                | (1) 256K x 36 | (1) 256K x 36 | None          | (1) 256K x 36 |
| 4MB                | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 | (1) 256K x 36 |

Continued on next page. . .

# DISTRIBUTED PROCESSING TECHNOLOGY

## PM2042W/PM2042FW/PM2142W/PM2142FW

...continued from previous page

| DRAM CONFIGURATION CONTINUED                                                                                                                                                                                                                        |             |             |             |             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|
| Size                                                                                                                                                                                                                                                | Bank 0      | Bank 1      | Bank 2      | Bank 3      |
| 4MB                                                                                                                                                                                                                                                 | (1) 1M x 36 | None        | None        | None        |
| 4MB                                                                                                                                                                                                                                                 | None        | (1) 1M x 36 | None        | None        |
| 4MB                                                                                                                                                                                                                                                 | None        | None        | (1) 1M x 36 | None        |
| 4MB                                                                                                                                                                                                                                                 | None        | None        | None        | (1) 1M x 36 |
| 8MB                                                                                                                                                                                                                                                 | (1) 1M x 36 | (1) 1M x 36 | None        | None        |
| 8MB                                                                                                                                                                                                                                                 | None        | (1) 1M x 36 | (1) 1M x 36 | None        |
| 8MB                                                                                                                                                                                                                                                 | None        | None        | (1) 1M x 36 | (1) 1M x 36 |
| 12MB                                                                                                                                                                                                                                                | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 | None        |
| 12MB                                                                                                                                                                                                                                                | None        | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 |
| 12MB                                                                                                                                                                                                                                                | (1) 1M x 36 | None        | (1) 1M x 36 | (1) 1M x 36 |
| 12MB                                                                                                                                                                                                                                                | (1) 1M x 36 | (1) 1M x 36 | None        | (1) 1M x 36 |
| 16MB                                                                                                                                                                                                                                                | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 | (1) 1M x 36 |
| 16MB                                                                                                                                                                                                                                                | (1) 4M x 36 | None        | None        | None        |
| 16MB                                                                                                                                                                                                                                                | None        | (1) 4M x 36 | None        | None        |
| 16MB                                                                                                                                                                                                                                                | None        | None        | (1) 4M x 36 | None        |
| 16MB                                                                                                                                                                                                                                                | None        | None        | None        | (1) 4M x 36 |
| 32MB                                                                                                                                                                                                                                                | (1) 4M x 36 | (1) 4M x 36 | None        | None        |
| 32MB                                                                                                                                                                                                                                                | None        | (1) 4M x 36 | (1) 4M x 36 | None        |
| 32MB                                                                                                                                                                                                                                                | None        | None        | (1) 4M x 36 | (1) 4M x 36 |
| 48MB                                                                                                                                                                                                                                                | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 | None        |
| 48MB                                                                                                                                                                                                                                                | None        | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 |
| 48MB                                                                                                                                                                                                                                                | (1) 4M x 36 | None        | (1) 4M x 36 | (1) 4M x 36 |
| 48MB                                                                                                                                                                                                                                                | (1) 4M x 36 | (1) 4M x 36 | None        | (1) 4M x 36 |
| 64MB                                                                                                                                                                                                                                                | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 | (1) 4M x 36 |
| Notes: Although not shown above, 1MB, 4MB and 16MB SIMMs can be combined and DPT ECC<br>SiMMs<br>can replace parity SIMMs of 4MB or 16MB.<br>Single sided SIMMs are preferred, but low-profile double sided 2M and 8MB increments are<br>supported. |             |             |             |             |