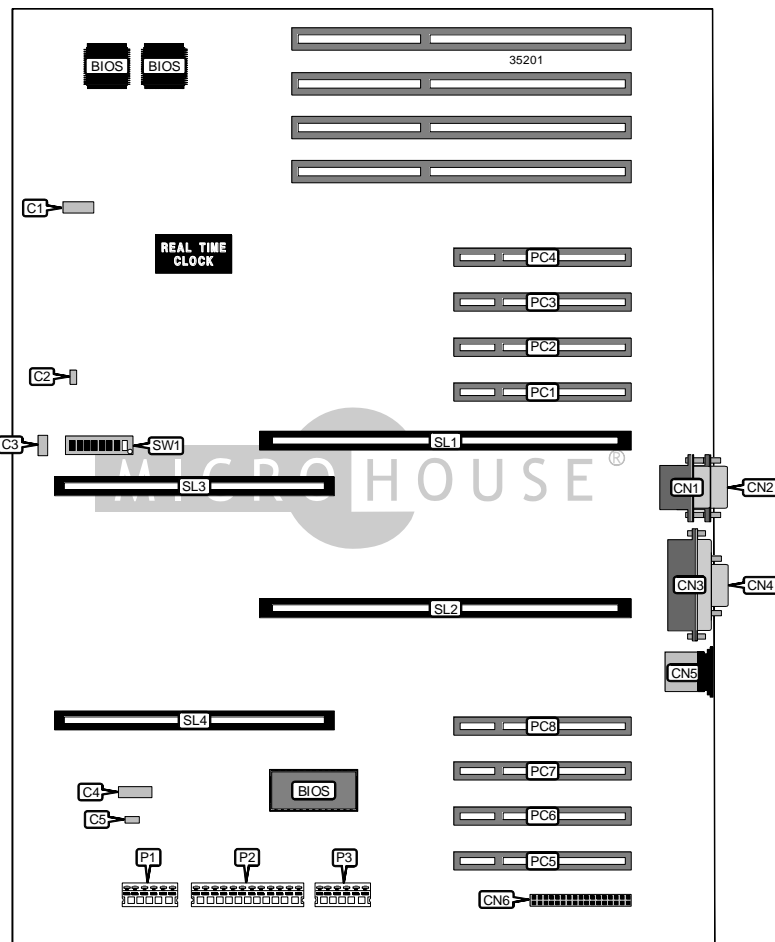


# DIGITAL EQUIPMENT CORPORATION DIGITAL SERVER 7100R

|                               |  |
|-------------------------------|--|
| <b>Device Type</b>            | Mainboard  |
| <b>Processor</b>              | Pentium Pro  |
| <b>Processor Speed</b>        | 120/133/150/166/180/200/210/233/240/266/270/300/330/333366MHz                                  |
| <b>Chip Set</b>               | Unidentified   |
| <b>Video Chip Set</b>         | None   |
| <b>Maximum Onboard Memory</b> | 4GB  |
| <b>Maximum Video Memory</b>   | None   |
| <b>Cache</b>                  | 256/512KB (located on Pentium Pro CPU)   |
| <b>BIOS</b>                   | Unidentified   |
| <b>Dimensions</b>             | 305mm x 244mm  |
| <b>I/O Options</b>            | 32-bit PCI slots (8), floppy drive interface, parallel port, PS/2 mouse port, serial ports (2) |
| <b>NPU Options</b>            | None   |



*Continued on next page . . .*

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| CONNECTIONS                   |          |                         |           |
|-------------------------------|----------|-------------------------|-----------|
| Purpose                       | Location | Purpose                 | Location  |
| RSM connector                 | C1       | PS/2 mouse port         | CN5       |
| Speaker                       | C2       | Floppy drive interface  | CN6       |
| Chassis fan power 1 - 4       | C3       | Power control connector | P1        |
| OCP connector                 | C4       | 5v power                | P2        |
| Top cover interlock connector | C5       | 3.3v power              | P3        |
| Serial port                   | CN1      | 32-bit PCI slots        | PC1 – PC8 |
| Serial port                   | CN2      | Memory slots            | SL1 & SL2 |
| Parallel port                 | CN3      | CPU slots               | SL3 & SL4 |
| VGA port                      | CN4      |                         |           |

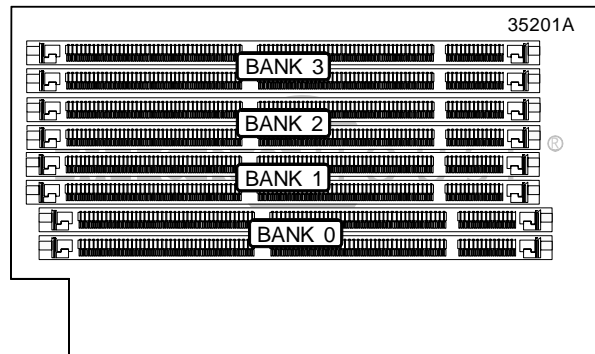
| USER CONFIGURABLE SETTINGS          |       |          |
|-------------------------------------|-------|----------|
| Function                            | Label | Position |
| í BIOS upgrade enabled              | SW1/1 | On       |
| BIOS upgrade disabled               | SW1/1 | Off      |
| í BIOS normal operation             | SW1/2 | Off      |
| BIOS recovery mode                  | SW1/2 | On       |
| í Boot block update disabled        | SW1/3 | Off      |
| Boot block update enabled           | SW1/3 | On       |
| í Password normal operation         | SW1/4 | Off      |
| Password clear                      | SW1/4 | On       |
| í RSM not installed                 | SW1/5 | On       |
| RSM installed                       | SW1/5 | Off      |
| í CMOS memory normal operation      | SW1/6 | Off      |
| CMOS memory clear                   | SW1/6 | On       |
| í Factory configured - do not alter | SW1/8 | Off      |

| CPU BUS SPEED SELECTION |       |
|-------------------------|-------|
| Bus speed               | SW1/7 |
| 60MHz                   | Off   |
| 66MHz                   | On    |

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MEMORY CARDS

| DIMM CONFIGURATION |              |              |             |             |
|--------------------|--------------|--------------|-------------|-------------|
| Size               | Bank 0's     | Bank 1's     | Bank 2's    | Bank 3's    |
| 128MB              | (4) 4M x 64  | None         | None        | None        |
| 256MB              | (4) 4M x 64  | (4) 4M x 64  | None        | None        |
| 256MB              | (4) 8M x 64  | None         | None        | None        |
| 384MB              | (4) 4M x 64  | (4) 4M x 64  | (4) 4M x 64 | None        |
| 384MB              | (4) 8M x 64  | (4) 4M x 64  | None        | None        |
| 512MB              | (4) 4M x 64  | (4) 4M x 64  | (4) 4M x 64 | (4) 4M x 64 |
| 512MB              | (4) 8M x 64  | (4) 4M x 64  | (4) 4M x 64 | None        |
| 512MB              | (4) 8M x 64  | (4) 8M x 64  | None        | None        |
| 512MB              | (4) 16M x 64 | None         | None        | None        |
| 640MB              | (4) 8M x 64  | (4) 4M x 64  | (4) 4M x 64 | (4) 4M x 64 |
| 640MB              | (4) 8M x 64  | (4) 8M x 64  | (4) 4M x 64 | None        |
| 640MB              | (4) 16M x 64 | (4) 4M x 64  | None        | None        |
| 768MB              | (4) 8M x 64  | (4) 8M x 64  | (4) 4M x 64 | (4) 4M x 64 |
| 768MB              | (4) 8M x 64  | (4) 8M x 64  | (4) 8M x 64 | None        |
| 768MB              | (4) 16M x 64 | (4) 8M x 64  | None        | None        |
| 768MB              | (4) 16M x 64 | (4) 4M x 64  | (4) 4M x 64 | None        |
| 896MB              | (4) 8M x 64  | (4) 8M x 64  | (4) 8M x 64 | (4) 4M x 64 |
| 896MB              | (4) 16M x 64 | (4) 8M x 64  | (4) 4M x 64 | None        |
| 896MB              | (4) 16M x 64 | (4) 4M x 64  | (4) 4M x 64 | (4) 4M x 64 |
| 1024MB             | (4) 8M x 64  | (4) 8M x 64  | (4) 8M x 64 | (4) 8M x 64 |
| 1024MB             | (4) 16M x 64 | (4) 8M x 64  | (4) 8M x 64 | None        |
| 1024MB             | (4) 16M x 64 | (4) 16M x 64 | None        | None        |
| 1024MB             | (4) 32M x 64 | None         | None        | None        |

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DIGITAL SERVER 7100R

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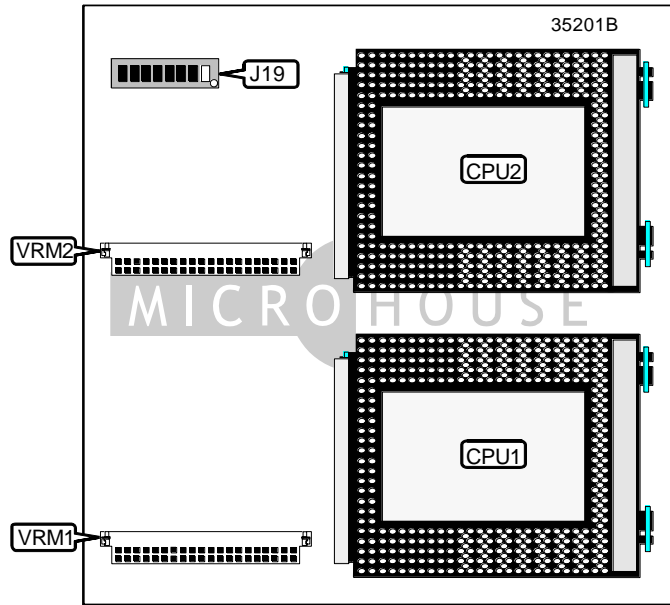
| DIMM CONFIGURATION (CON'T) |              |              |              |              |
|----------------------------|--------------|--------------|--------------|--------------|
| Size                       | Bank 0's     | Bank 1's     | Bank 2's     | Bank 3's'    |
| 1152MB                     | (4) 16M x 64 | (4) 8M x 64  | (4) 8M x 64  | (4) 4M x 64  |
| 1152MB                     | (4) 16M x 64 | (4) 16M x 64 | (4) 4M x 64  | None         |
| 1152MB                     | (4) 32M x 64 | (4) 4M x 64  | None         | None         |
| 1280MB                     | (4) 16M x 64 | (4) 8M x 64  | (4) 8M x 64  | (4) 8M x 64  |
| 1280MB                     | (4) 16M x 64 | (4) 16M x 64 | (4) 8M x 64  | None         |
| 1280MB                     | (4) 16M x 64 | (4) 16M x 64 | (4) 4M x 64  | (4) 4M x 64  |
| 1280MB                     | (4) 32M x 64 | (4) 8M x 64  | None         | None         |
| 1280MB                     | (4) 32M x 64 | (4) 4M x 64  | (4) 4M x 64  | None         |
| 1408MB                     | (4) 16M x 64 | (4) 16M x 64 | (4) 8M x 64  | (4) 4M x 64  |
| 1408MB                     | (4) 32M x 64 | (4) 8M x 64  | (4) 4M x 64  | None         |
| 1536MB                     | (4) 16M x 64 | (4) 16M x 64 | (4) 8M x 64  | (4) 8M x 64  |
| 1536MB                     | (4) 16M x 64 | (4) 16M x 64 | (4) 16M x 64 | None         |
| 1536MB                     | (4) 32M x 64 | (4) 16M x 64 | None         | None         |
| 1536MB                     | (4) 32M x 64 | (4) 8M x 64  | (4) 8M x 64  | None         |
| 1664MB                     | (4) 16M x 64 | (4) 16M x 64 | (4) 16M x 64 | (4) 4M x 64  |
| 1664MB                     | (4) 32M x 64 | (4) 16M x 64 | (4) 4M x 64  | None         |
| 1792MB                     | (4) 16M x 64 | (4) 16M x 64 | (4) 16M x 64 | (4) 8M x 64  |
| 1792MB                     | (4) 32M x 64 | (4) 16M x 64 | (4) 8M x 64  | None         |
| 2048MB                     | (4) 16M x 64 | (4) 16M x 64 | (4) 16M x 64 | (4) 16M x 64 |
| 2048MB                     | (4) 32M x 64 | (4) 32M x 64 | None         | None         |
| 2048MB                     | (4) 32M x 64 | (4) 16M x 64 | (4) 16M x 64 | None         |
| 2176MB                     | (4) 32M x 64 | (4) 32M x 64 | (4) 4M x 64  | None         |
| 2304MB                     | (4) 32M x 64 | (4) 32M x 64 | (4) 8M x 64  | None         |
| 2560MB                     | (4) 32M x 64 | (4) 32M x 64 | (4) 16M x 64 | None         |
| 3072MB                     | (4) 32M x 64 | (4) 32M x 64 | (4) 32M x 64 | None         |
| 3200MB                     | (4) 32M x 64 | (4) 32M x 64 | (4) 32M x 64 | (4) 4M x 64  |
| 3328MB                     | (4) 32M x 64 | (4) 32M x 64 | (4) 32M x 64 | (4) 8M x 64  |
| 3584MB                     | (4) 32M x 64 | (4) 32M x 64 | (4) 32M x 64 | (4) 16M x 64 |
| 4096MB                     | (4) 32M x 64 | (4) 32M x 64 | (4) 32M x 64 | (4) 32M x 64 |

Note: The above memory configuration requires the use of 2 DIMMs per card and 2 memory cards. Both bank 0's must be filled before filling the bank 1's.

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 DIGITAL SERVER 7100R

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PENTIUM PRO CPU CARD

| CONNECTIONS   |          |               |          |
|---------------|----------|---------------|----------|
| Purpose       | Location | Purpose       | Location |
| VRM connector | VRM1     | VRM connector | VRM2     |

| CACHE CONFIGURATION  |
|--|
| Note: 256KB/512KB cache is located on the Pentium Pro CPU. |

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 DIGITAL SERVER 7100R

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| CPU SPEED SELECTION |             |            |       |       |       |       |
|---------------------|-------------|------------|-------|-------|-------|-------|
| CPU speed           | Clock speed | Multiplier | J19/1 | J19/2 | J19/3 | J19/4 |
| 120MHz              | 60MHz       | 2x         | Off   | Off   | Off   | On    |
| 133MHz              | 66MHz       | 2x         | Off   | Off   | Off   | On    |
| 150MHz              | 60MHz       | 2.5x       | Off   | Off   | On    | On    |
| 166MHz              | 66MHz       | 2.5x       | Off   | Off   | On    | On    |
| 180MHz              | 60MHz       | 3x         | On    | Off   | Off   | On    |
| 200MHz              | 66MHz       | 3x         | On    | Off   | Off   | On    |
| 210MHz              | 66MHz       | 3.5x       | On    | Off   | On    | On    |
| 233MHz              | 66MHz       | 3.5x       | On    | Off   | On    | On    |
| 240MHz              | 66MHz       | 4x         | Off   | On    | Off   | On    |
| 266MHz              | 66MHz       | 4x         | Off   | On    | Off   | On    |
| 270MHz              | 66MHz       | 4.5x       | Off   | On    | On    | On    |
| 300MHz              | 66MHz       | 4.5x       | Off   | On    | On    | On    |
| 300MHz              | 66MHz       | 5x         | On    | On    | Off   | On    |
| 330MHz              | 66MHz       | 5.5x       | On    | On    | On    | On    |
| 333MHz              | 66MHz       | 5x         | On    | On    | Off   | On    |
| 366MHz              | 66MHz       | 5.5x       | On    | On    | On    | On    |

| CPU SPEED SELECTION (CON'T) |             |            |       |       |       |       |
|-----------------------------|-------------|------------|-------|-------|-------|-------|
| CPU speed                   | Clock speed | Multiplier | J19/5 | J19/6 | J19/7 | J19/8 |
| 120MHz                      | 60MHz       | 2x         | Off   | Off   | Off   | On    |
| 133MHz                      | 66MHz       | 2x         | Off   | Off   | Off   | On    |
| 150MHz                      | 60MHz       | 2.5x       | Off   | Off   | On    | On    |
| 166MHz                      | 66MHz       | 2.5x       | Off   | Off   | On    | On    |
| 180MHz                      | 60MHz       | 3x         | On    | Off   | Off   | On    |
| 200MHz                      | 66MHz       | 3x         | On    | Off   | Off   | On    |
| 210MHz                      | 66MHz       | 3.5x       | On    | Off   | On    | On    |
| 233MHz                      | 66MHz       | 3.5x       | On    | Off   | On    | On    |
| 240MHz                      | 66MHz       | 4x         | Off   | On    | Off   | On    |
| 266MHz                      | 66MHz       | 4x         | Off   | On    | Off   | On    |
| 270MHz                      | 66MHz       | 4.5x       | Off   | On    | On    | On    |
| 300MHz                      | 66MHz       | 4.5x       | Off   | On    | On    | On    |
| 300MHz                      | 66MHz       | 5x         | On    | On    | Off   | On    |
| 330MHz                      | 66MHz       | 5.5x       | On    | On    | On    | On    |
| 333MHz                      | 66MHz       | 5x         | On    | On    | Off   | On    |
| 366MHz                      | 66MHz       | 5.5x       | On    | On    | On    | On    |