

MB-PAM-0061I
 PENTIUM MOTHERBOARD LAYOUT AND CONFIGURATION

S=SHORTED O=OPEN
 1-2 = PINS 1 AND 2 SHORTED

CONNECTORS AND JUMPERS:

<p>POWER SUPPLY CONNECTOR (J21)</p> <ul style="list-style-type: none"> 1 = POWER GOOD (ORANGE) 2 = +5 VDC (RED) 3 = +12 VDC (YELLOW) 4 = -12 VDC (BLUE) <p>INHIBITOR</p> <ul style="list-style-type: none"> 5 = GROUND (BLACK) 6 = GROUND (BLACK) 7 = GROUND (BLACK) 8 = GROUND (BLACK) 9 = -5 VDC (WHITE) 10 = +5 VDC (RED) 11 = +5 VDC (RED) 12 = +5 VDC (RED) <p>RESET SWITCH CONNECTOR (J5)</p> <ul style="list-style-type: none"> S = RESET 0 = NORMAL (DEFAULT) <p>PS/2 KEYBOARD CONNECTOR (J18)</p> <p>SERIAL PORT 1 (J20)</p> <p>PARALLEL PORT (J11)</p> <p>(J15) PRIMARY IDE CONNECTOR (J20)</p> <p>(J19) VGA CONNECTOR (J10)</p> <p>CPU CLOCK SELECTION WITH IMI498 (JP7, JP9)</p> <table border="0" style="margin-left: 40px;"> <tr> <td></td> <td style="text-align: center;">75MHZ</td> <td style="text-align: center;">90MHZ</td> <td style="text-align: center;">100MHZ</td> <td style="text-align: center;">120MHZ</td> <td style="text-align: center;">133MHZ</td> </tr> <tr> <td>JP7</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2-4</td> <td style="text-align: center;">1-3</td> <td style="text-align: center;">2-4</td> <td style="text-align: center;">1-3</td> </tr> <tr> <td>JP9</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">S</td> <td style="text-align: center;">S</td> </tr> </table> <p>CPU CLOCK SELECTION WITH W48C60 (JP7, JP9)</p> <table border="0" style="margin-left: 40px;"> <tr> <td></td> <td style="text-align: center;">75MHZ</td> <td style="text-align: center;">90MHZ</td> <td style="text-align: center;">100MHZ</td> <td style="text-align: center;">120MHZ</td> <td style="text-align: center;">133MHZ</td> </tr> <tr> <td>JP7</td> <td style="text-align: center;">4-6, 3-5</td> <td style="text-align: center;">3-5</td> <td style="text-align: center;">4-6</td> <td style="text-align: center;">3-5</td> <td style="text-align: center;">4-6</td> </tr> <tr> <td>JP9</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">S</td> <td style="text-align: center;">S</td> </tr> </table>		75MHZ	90MHZ	100MHZ	120MHZ	133MHZ	JP7	0	2-4	1-3	2-4	1-3	JP9	0	0	0	S	S		75MHZ	90MHZ	100MHZ	120MHZ	133MHZ	JP7	4-6, 3-5	3-5	4-6	3-5	4-6	JP9	0	0	0	S	S	<p>KEYLOCK CONNECTOR (J1)</p> <ul style="list-style-type: none"> 1 = LED POWER 2 = NOT USED 3 = GROUND 4 = KEYBOARD <p>5 = GROUND</p> <p>TURBO LED CONNECTOR (J4)</p> <ul style="list-style-type: none"> 1 = +ANODE 2 = -CATHODE <p>SPEAKER CONNECTOR (J2)</p> <ul style="list-style-type: none"> 1 = DATA OUT 2 = VCC 3 = DATA OUT 4 = VCC <p>PS/2 MOUSE CONNECTOR (J16)</p> <p>HARD DISK LED (J6)</p> <p>SERIAL PORT 2 (J19)</p> <p>FLOPPY DRIVE CONTROLLER</p> <p>SECONDARY IDE CONNECTOR</p> <p>SVGA FEATURE CONNECTOR (J9)</p>
	75MHZ	90MHZ	100MHZ	120MHZ	133MHZ																																
JP7	0	2-4	1-3	2-4	1-3																																
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JP7	4-6, 3-5	3-5	4-6	3-5	4-6																																
JP9	0	0	0	S	S																																

DISCHARGE CMOS SETUP (JP21)
0 = NORMAL
S = DISCHARGE BATTERY

FLASH ROM PROGRAM (JP20)
1-3, 2-4 = NORMAL
3-5, 4-6 = ENABLE

FLASH

ROM PROGRAM

SRAM TYPE SELECTION (JP15)
1-2 = BURST MODE SRAM
2-3 = STANDARD SRAM

VRM SELECTION (JP28)
1-2, 3-4, 5-6 = NO

VRM

OPEN

= VRM

SRAM SIZE SELECTION (JP13, 14, 16)

	JP13	JP14	JP16
OK	1-2	1-2	0
256K	1-2	2-3	2-3
512K	2-3	1-2	1-2

ON BOARD VGA SELECT (JP27)
1-2 = DISABLE
2-3 = ENABLE

MEMORY INSTALLATION:

THIS MOTHERBOARD HAS 4 SIMM SOCKETS. THE USER CAN INSTALL EITHER 4/8/16/32MB 72PIN SIMMS. MAXIMUM 128MB. FOR OPTIMAL PERFORMANCE, USE 70ns SIMMS.