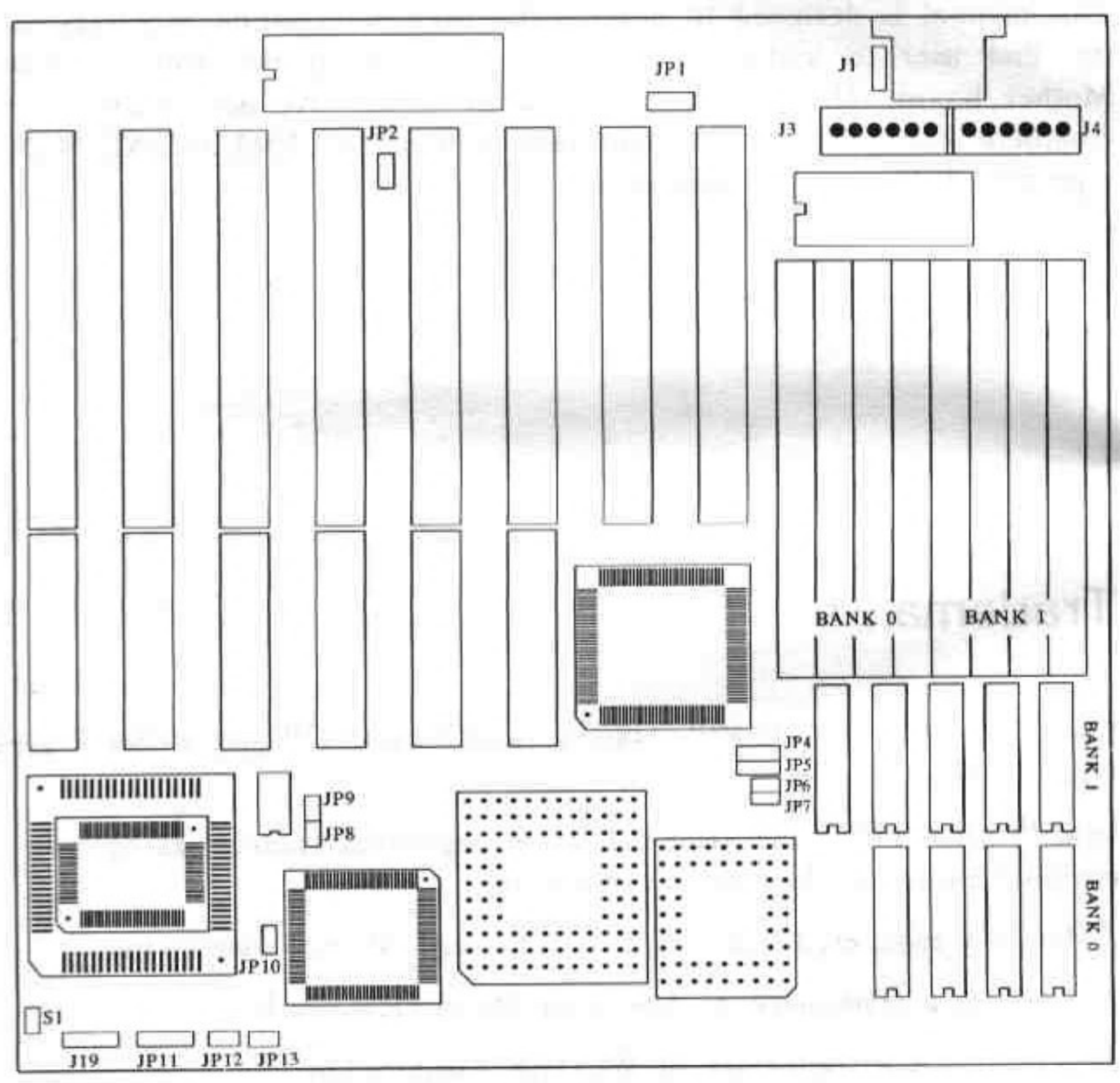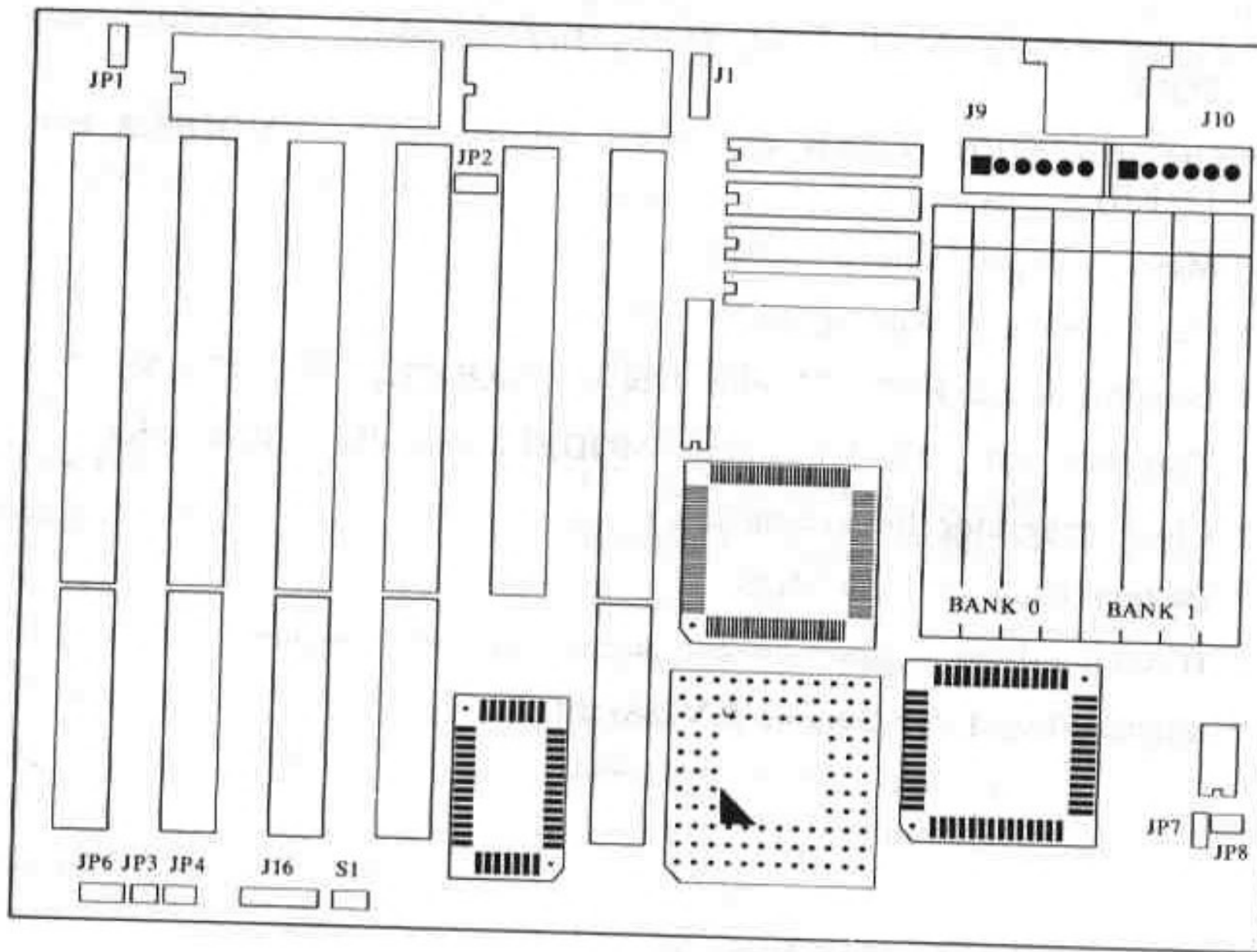# 1 Introduction

Component Layout

MODEL 1 (MA014)

Introduction

MODEL 2 (MA013)

Mother Board Features

* 495SLC 160 Pin Chipset

* Support 80386-33/40 MHz PGA or PQFP CPU (**MODEL2
  PQFP**)

* Optional 64KB ,128KB or 256KB external cache (**MODEL2
  128KB**)

* Memory expandable to 32MB on board

* Co-processor socket option

* Dimension :22 x 22 CM with 4 layer (**MODEL2** 22 x 17 CM

* Two 8bit slot , Six 16bit slots (**MODEL2** One 8bit , Five 16bit

* Clock generator for system clock

* Battery back-up for CMOS

* Hidden refresh support to enhance system performance

* Shadow RAM for System / Video BIOS

MODEL1 JP1 (MODEL2 JP2)   Reset / Charge CMOS

CMOS Reset/Charge is used to reset and charge CMOS. If you re...
e CMOS all datas in the CMOS will be erase. To reset CMO...
ace a jumper cap in pin 1 & 2 then turn on the power supply...
to 2 seconds then turn off the power supply. In this procedure...
MOS is reset, all the datas in the CMOS is erase. Place the jum...
p in pin 2 & 3 for CMOS charge, then run setup.

1 (JP2)	1-2	Reset CMOS
1 (JP2)	2-3	Charge CMOS

MODEL1 JP2 (MODEL2 JP1)   Mono / Color Monitor selector

ono / Color Monitor selector is used to select the type of vid...
play you are using. The choice is between CGA and MONO. C...
only for CGA display. MONO is for all other display includi...
A, VGA and MONO. The default is MONO.

2 (JP1)	OPEN	MONO
2 (JP1)	CLOSE	COLOR

4,JP5,JP6,JP7 Cache Option (MODEL1 only)

ZE	JP4	JP5	JP6	JP7	BANK 0 (U43-U46)	BANK 1 (U34-U37)	TAG RAM U33
K	2-3	2-3	OPEN	OPEN	8K * 8	8K * 8	8K * 8
K	1-2	1-2	CLOSE	OPEN	32K * 8		8K * 8
K	2-3	2-3	CLOSE	CLOSE	32K * 8	32K * 8	32K * 8

1 JP8, JP9 (**MODEL2** JP7,JP8) Clock Generator Frequency

enerator Frequency selector is used to select diferent frequen-
e clock generator. The frequency is depend of the MHz of
you are using.

NCY	JP8 (JP7)	JP9 (JP8)
	CLOSE	OPEN
	OPEN	CLOSE
	OPEN	OPEN

Enable/Disable PQFP CPU (MODEL1 only)

nount a 80386 PQFP CPU in your main board, this function is
disable the 80386 PQFP CPU with out pulling out from the
ard. If you are not using the 80386 PQFP CPU leave this
P10 OPEN.

OPEN	ENABLE	80386 PQFP CPU
CLOSE	DISABLE	80386 PQFP CPU

ectors

her board have eight connectors.Six of them resemble jumper
ithout caps. The seventh is a large double connector for the
apply and the last is for the keyboard connector.

Turbo LED connector will be connected to the turbo LED o
your computer case. The LED will light up when the system
is running in high processing speed. (Note the positive and
negative of the LED)

Keylock and Power LED connector will be connected to you
computer case. Keylock is used to lock the keyboard. Powe
LED will light up when you turn on your power supply.

Speaker connector will be connected to the speaker of you
computer case.

Power Supply connector is connected from the output of the
power supply.Most of the power supply has two connector
which will be connected to the main board. Each connecto
has six wires, two of the wires are black. To connect to the
main board, make sure that the black wires is in the middle
Wrong connection will cause damage of the main board.

Keyboard connector. This is used for inputting signal from
the keyboard.

mory Configuration

system board Memory can be expanded from 1MB to 32MB
nory can be installed by using 256K, 1M and 4M SIMM RAM
ule.

MORY SIZE	BANK 0	BANK 1
	256K	
	256K	256K
	1M	
	1M	1M
	4M	