DATAEXPERT CORPORATION

MGX7520 (SLIM)

Configuration

JP 4 2

JP 7

35843

JP 1 2

FAN

JP 14

BIOS

CN1

CPU

IR1

CN5

CN3

CN4

AMP

BANK 0

BANK 1

JP13

ATXP

JP 2

CN9

CN8 CN6

J1

CN7

CN2

ATX

J9

J8
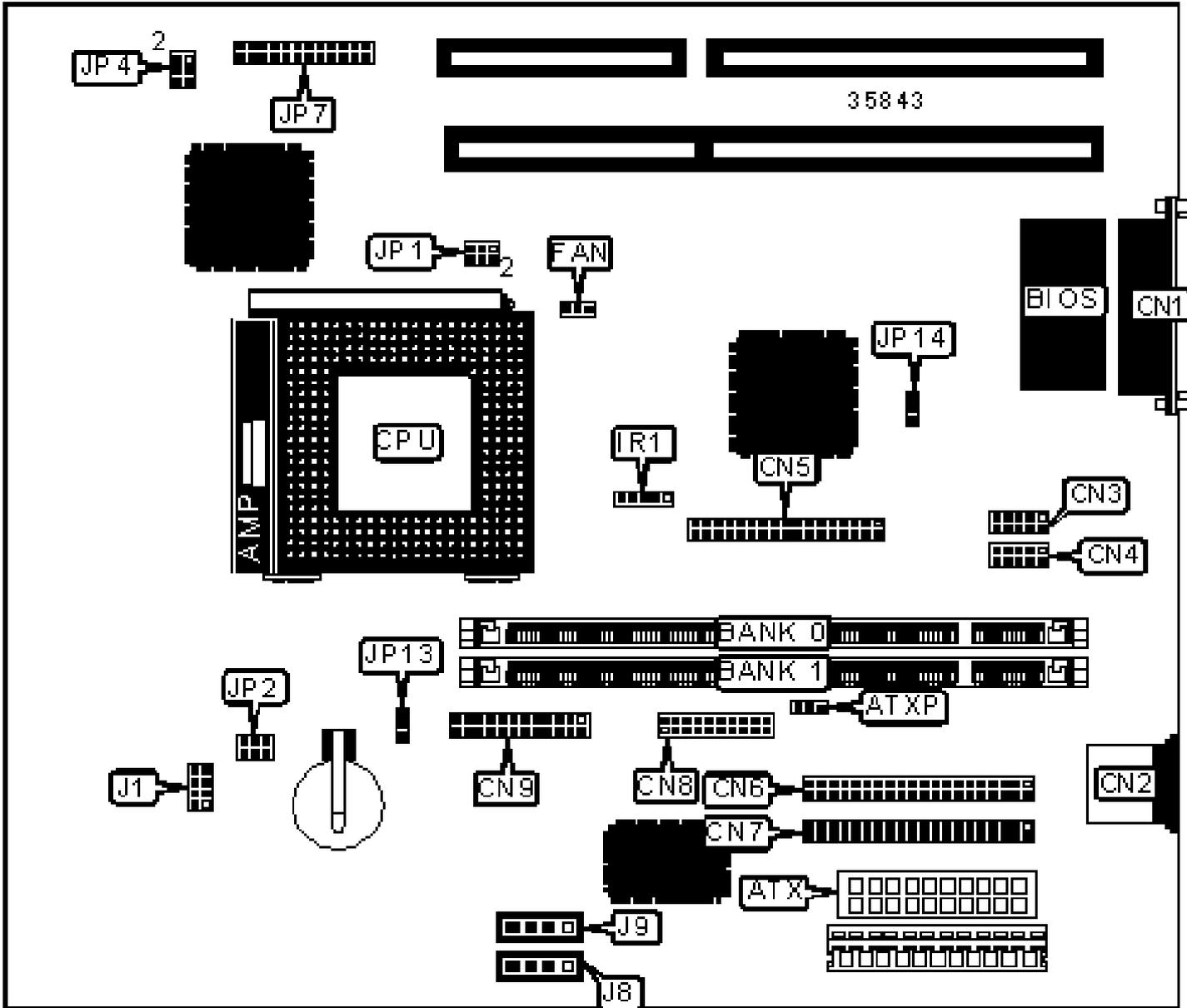
CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	Chassis fan power	FAN
ATX-P connector	ATXP	IR connector	IR1
Parallel port	CN1	Audio in - CD-ROM	J8
PS/2 mouse port	CN2	Audio in - CD-ROM	J9
Serial port 2	CN3	Power LED & keylock	JP7/pins 1 - 5
Serial port 1	CN4	Green PC LED	JP7/pins 8 & 9
Floppy drive interface	CN5	Soft off power supply	JP7/pins 10 & 11
IDE interface 2	CN6	Reset switch	JP7/pins 12 & 24
IDE interface 1	CN7	Speaker	JP7/pins 13 - 16
Game interface	CN8	IDE interface LED	JP7/pins 20 & 21
MIDI/TV out connector	CN9	Green PC connector	JP7/pins 22 & 23

USER CONFIGURABLE SETTINGS

	Function	Label	Position
»	Factory configured - do not alter	J1	Unidentified
»	CMOS memory normal operation	JP13	Pins 1 & 2 closed
	CMOS memory clear	JP13	Pins 2 & 3 closed
»	Factory configured - do not alter	JP14	Unidentified

DIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(1) 1M x 64	None
16MB	(1) 2M x 64	None
16MB	(1) 1M x 64	(1) 1M x 64

24MB	(1) 2M x 64	(1) 1M x 64
32MB	(1) 4M x 64	None
32MB	(1) 2M x 64	(1) 2M x 64
40MB	(1) 4M x 64	(1) 1M x 64
48MB	(1) 4M x 64	(1) 2M x 64
64MB	(1) 8M x 64	None
64MB	(1) 4M x 64	(1) 4M x 64
72MB	(1) 8M x 64	(1) 1M x 64
80MB	(1) 8M x 64	(1) 2M x 64
96MB	(1) 8M x 64	(1) 4M x 64

DIMM CONFIGURATION (CON'T)		
Size	Bank 0	Bank 1
128MB	(1) 16M x 64	None
128MB	(1) 8M x 64	(1) 8M x 64
136MB	(1) 16M x 64	(1) 1M x 64
144MB	(1) 16M x 64	(1) 2M x 64
160MB	(1) 16M x 64	(1) 4M x 64
192MB	(1) 16M x 64	(1) 8M x 64
256MB	(1) 16M x 64	(1) 16M x 64
Note: Board accepts SDRAM memory.		

VIDEO MEMORY CONFIGURATION

Note: the size & location of the video memory is unidentified.

CPU INTERNAL CLOCK SPEED SELECTION

Speed	JP1
6x	Pins 1 & 3, 4 & 6 closed
7x	Pins 2 & 4, 3 & 5 closed

CPU SPEED SELECTION	
Speed	JP4
30MHz	Pins 3 & 5, 4 & 6 closed
33MHz	Pins 1 & 3, 4 & 6 closed

CPU VOLTAGE SELECTION		
Voltage	V core	JP2
3.3v	2.9v/3.6v	Pins 1 & 2, 4 & 5 closed
2.9v/3.6v	2.9v/3.6v	Pins 2 & 3, 5 & 6 closed