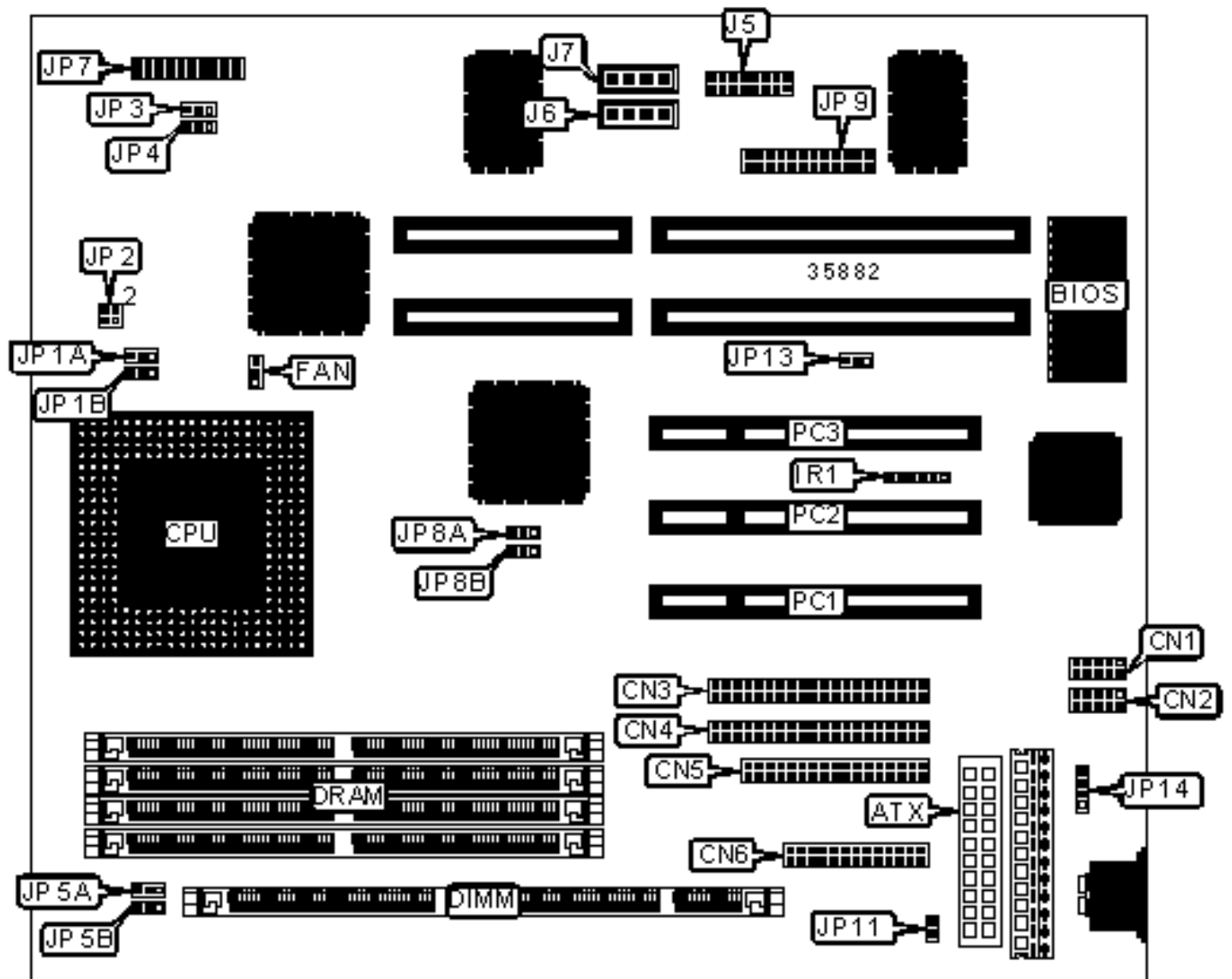


DATAEXPERT CORPORATION

GCT-MGX

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
ATX power connector	ATX	IR connector	IR1
Serial port 2	CN1	Speaker	JP7/pins 1/3/5/7
Serial port 1	CN2	Power LED & keylock	JP7/pins 2/4/6/8/10
IDE interface 1	CN3	Reset switch	JP7/pins 13 & 14
IDE interface 2	CN4	IDE interface LED	JP7/pins 15 & 16
Floppy drive interface	CN5	Green PC connector	JP7/pins 17 & 18
Parallel port	CN6	Green PC LED	JP7/pins 19 & 20
CPU fan power	FAN	MIDI board connector	JP9
Game interface	J5	Soft off power supply	JP11
Audio in – CD-ROM	J6	PS/2 mouse interface	JP14
Audio in – CD-ROM	J7	32-bit PCI slots	PC1 – PC3

USER CONFIGURABLE SETTINGS

Function		Label	Position
»	CMOS memory normal operation	JP13	Pins 1 & 2 closed
	CMOS memory clear	JP13	Pins 2 & 3 closed

SIMM CONFIGURATION

Size	Bank 0	Bank 1
8MB	(2) 1M x 36	None
16MB	(2) 2M x 36	None
16MB	(2) 1M x 36	(2) 1M x 36
24MB	(2) 2M x 36	(2) 1M x 36
32MB	(2) 4M x 36	None

32MB	(2) 2M x 36	(2) 2M x 36
40MB	(2) 4M x 36	(2) 1M x 36
48MB	(2) 4M x 36	(2) 2M x 36
64MB	(2) 8M x 36	None
64MB	(2) 4M x 36	(2) 4M x 36
72MB	(2) 8M x 36	(2) 1M x 36
80MB	(2) 8M x 36	(2) 2M x 36
96MB	(2) 8M x 36	(2) 4M x 36
128MB	(2) 8M x 36	(2) 8M x 36

DIMM CONFIGURATION	
Size	Bank 2
8MB	(1) 1M x 64
16MB	(1) 2M x 64
32MB	(1) 4M x 64
64MB	(1) 8M x 64
128MB	(1) 16M x 64

DIMM VOLTAGE CONFIGURATION		
Voltage	JP5A	JP5B
3.3v	Pins 2 & 3 closed	Pins 2 & 3 closed
5v	Pins 1 & 2 closed	Pins 1 & 2 closed

CPU SPEED SELECTION		
Speed	JP8A	JP8B
30MHz	Pins 2 & 3 closed	Pins 1 & 2 closed

33MHz	Pins 1 & 2 closed	Pins 2 & 3 closed
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CPU MULTIPLIER SELECTION		
Multiplier	JP1A	JP1B
4x	Pins 1 & 2 closed	Pins 1 & 2 closed
5x	Pins 2 & 3 closed	Pins 1 & 2 closed
6x	Pins 1 & 2 closed	Pins 2 & 3 closed

CPU VOLTAGE SELECTION (SINGLE)	
Voltage	JP2
2.9v	Pins 3 & 4 closed
3.6v	Pins 1 & 2 closed

CPU VOLTAGE SELECTION (DUAL)			
Voltage	V core	JP3	JP4
3.3v	2.9v	Pins 1 & 2 closed	Pins 1 & 2 closed
3.3v	3.6v	Pins 1 & 2 closed	Pins 1 & 2 closed
2.9v	2.9v	Pins 2 & 3 closed	Pins 2 & 3 closed
3.6v	3.6v	Pins 2 & 3 closed	Pins 2 & 3 closed