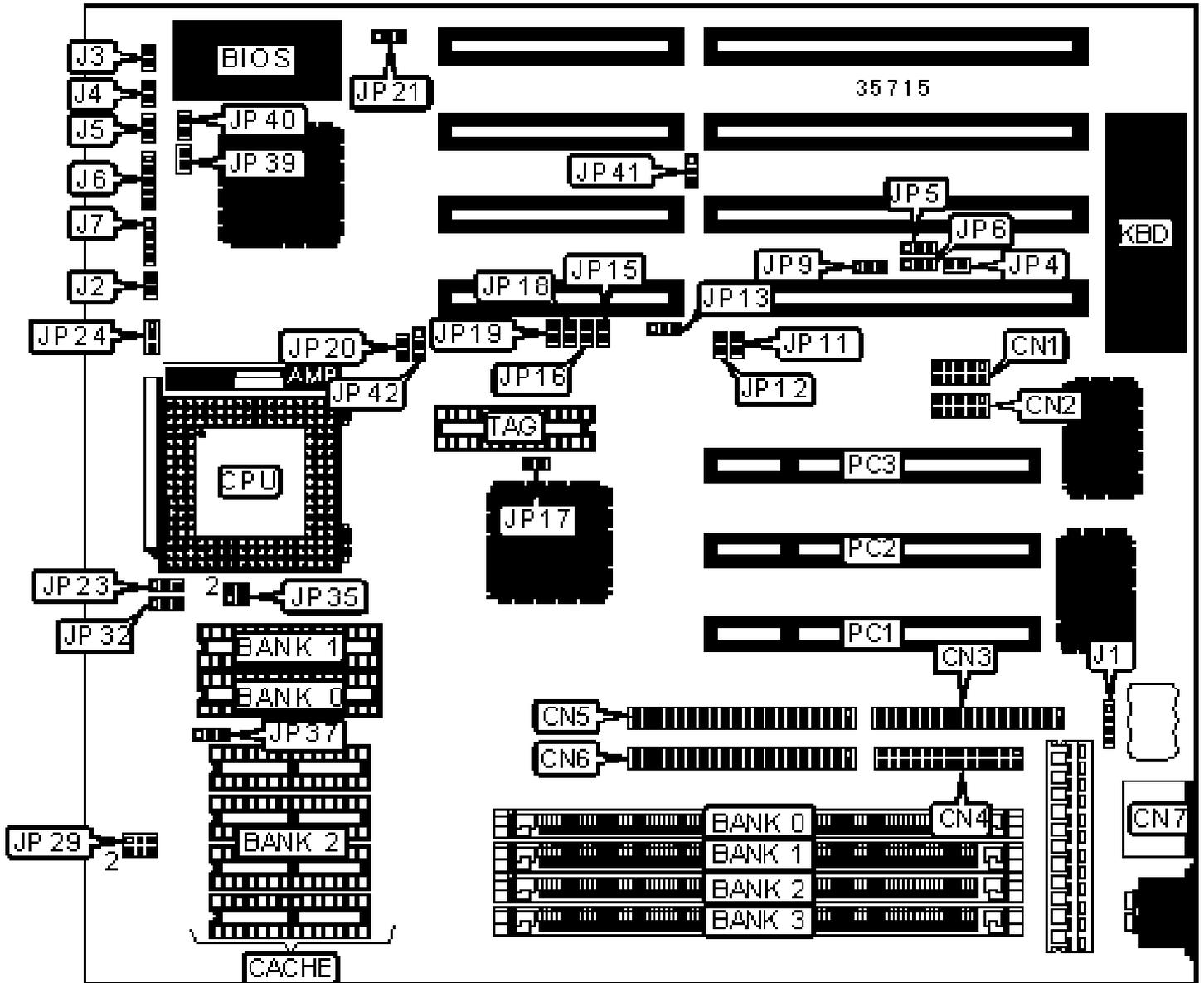


DATAEXPERT CORPORATION

EXP8C49

Configuration



CONNECTIONS

Purpose	Location	Purpose	Location
Serial port 2	CN1	IDE interface LED	J2
Serial port 1	CN2	Reset switch	J3
Floppy drive interface	CN3	Turbo switch	J4
Parallel port	CN4	Turbo LED	J5
IDE interface 1	CN5	Power LED & keylock	J6
IDE interface 2	CN6	Speaker	J7
PS/2 mouse port	CN7	Green PC connector	JP15
External battery	J1	32-bit PCI slots	PC1 – PC3

USER CONFIGURABLE SETTINGS

Function	Label	Position
Battery type select external	J1	Closed
CMOS memory clear	J1	Pins 1 & 2 closed
» Factory configured - do not alter	JP4	Unidentified
Parallel port IRQ select IRQ7	JP9	Pins 2 & 3 closed
Parallel port IRQ select IRQ5	JP9	Pins 1 & 2 closed
» Factory configured - do not alter	JP14	Unidentified
» Factory configured - do not alter	JP18	Unidentified
Flash BIOS voltage select 12v	JP21	Pins 2 & 3 closed
Flash BIOS voltage select 5v	JP21	Pins 1 & 2 closed
» Factory configured - do not alter	JP24	Unidentified
» Factory configured - do not alter	JP41	Unidentified

SIMM CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	Bank 3
4MB	(1) 1M x 36	None	None	None
8MB	(1) 2M x 36	None	None	None
8MB	(1) 1M x 36	(1) 1M x 36	None	None
12MB	(1) 2M x 36	(1) 1M x 36	None	None
12MB	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36	None
12MB	(1) 1M x 36	(1) 2M x 36	None	None
16MB	(1) 4M x 36	None	None	None
16MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	None
16MB	(1) 2M x 36	(1) 2M x 36	None	None

SIMM CONFIGURATION (CON'T)

Size	Bank 0	Bank 1	Bank 2	Bank 3
16MB	(1) 1M x 36			
20MB	(1) 4M x 36	(1) 1M x 36	None	None
20MB	(1) 2M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
20MB	(1) 1M x 36	(1) 2M x 36	(1) 2M x 36	None
24MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	None
24MB	(1) 4M x 36	(1) 2M x 36	None	None
24MB	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36	None
28MB	(1) 4M x 36	(1) 1M x 36	(1) 1M x 36	(1) 1M x 36
32MB	(1) 8M x 36	None	None	None
32MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	None
32MB	(1) 4M x 36	(1) 4M x 36	None	None
32MB	(1) 2M x 36			
36MB	(1) 8M x 36	(1) 1M x 36	None	None

40MB	(1) 8M x 36	(1) 1M x 36	(1) 1M x 36	None
40MB	(1) 8M x 36	(1) 2M x 36	None	None
40MB	(1) 4M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
48MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	None
48MB	(1) 8M x 36	(1) 4M x 36	None	None
48MB	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36	None
56MB	(1) 8M x 36	(1) 2M x 36	(1) 2M x 36	(1) 2M x 36
56MB	(1) 2M x 36	(1) 4M x 36	(1) 4M x 36	(1) 4M x 36
64MB	(1) 8M x 36	(1) 4M x 36	(1) 4M x 36	None
64MB	(1) 8M x 36	(1) 8M x 36	None	None
64MB	(1) 4M x 36			

CACHE CONFIGURATION

Size	Bank 0	Bank 1	Bank 2	TAG
128KB (A)	None	None	(4) 32K x 8	(1) 8K x 8
128KB (B)	(1) 32K x 32	None	None	(1) 8K x 8
256KB (A)	None	None	(4) 64K x 8	(1) 16K/32K x 8
256KB (B)	(1) 32K x 32	None	(4) 32K x 8	(1) 16K/32K x 8
256KB (C)	(1) 32K x 32	(1) 32K x 32	None	(1) 16K/32K x 8
512KB	None	None	(4) 128K x 8	(1) 32K x 8

CACHE JUMPER CONFIGURATION

Size	JP17	JP20	JP37	JP42
128KB (A)	Open	Open	Pins 1 & 2 closed	Pins 1 & 2 closed
128KB (B)	Open	Open	Pins 1 & 2 closed	Pins 1 & 2 closed
256KB (A)	Open	Closed	Pins 1 & 2 closed	Pins 2 & 3 closed

256KB (B)	Open	Closed	Pins 2 & 3 closed	Pins 2 & 3 closed
256KB (C)	Open	Closed	Pins 2 & 3 closed	Pins 2 & 3 closed
512KB	Closed	Closed	Pins 1 & 2 closed	Pins 2 & 3 closed

CPU SPEED SELECTION

Speed	JP11	JP12	JP13	JP16
40MHz	Open	Closed	Pins 2 & 3 closed	Open
40MHz	Open	Closed	Pins 1 & 2 closed	Closed
50iMHz	Open	Open	Pins 2 & 3 closed	Open
66iMHz	Closed	Closed	Pins 2 & 3 closed	Open
75iMHz	Open	Open	Pins 2 & 3 closed	Open
100iMHz	Closed	Closed	Pins 2 & 3 closed	Open

Note: Either setting may be used for 40MHz.

CPU TYPE SELECTION

Type	JP23	JP32	JP35
CX486DX2	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
CX486DX4	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
CX 5X86	Pins 1 & 2 closed	Pins 1 & 2 closed	Pins 2 & 4 closed

CPU VOLTAGE SELECTION

Voltage		JP29
	3.3v	Pins 1 & 2 closed
»	3.45v	Pins 3 & 4 closed
	3.6v	Pins 5 & 6 closed

DMA CHANNEL SELECTION

Channel	JP5	JP6
1	Pins 1 & 2 closed	Pins 1 & 2 closed
3	Pins 2 & 3 closed	Pins 2 & 3 closed

INTERNAL KEYBOARD SELECTION

Setting	JP19	JP39	JP40
» Enabled	Open	Closed	Closed
Disabled	Closed	Open	Open