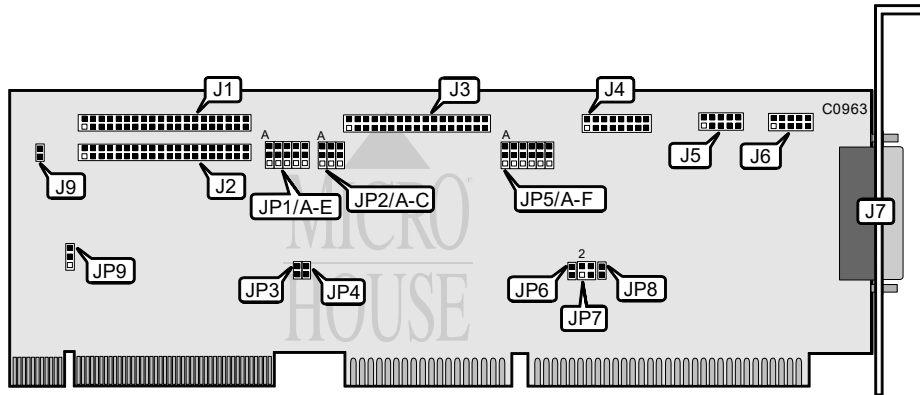


DIAMOND FLOWER, INC. MIO-2050

Q3/96

Data bus: 32-bit VL-bus
 Size: Three-quarter length, half-height card
 Hard drive supported: Four IDE(AT) drives
 Floppy drives supported: Two 360KB, 720KB, 1.2MB, or 1.44MB drives



CONNECTIONS	
Function	Location
40-pin primary IDE(AT) connector	J1
40-pin secondary IDE(AT) connector	J2
34-pin cable connector - floppy drive	J3
16-pin game port	J4
10-pin serial port 1 - internal	J5
10-pin serial port 2 - internal	J6
25-pin parallel port - external	J7
2-pin connector - drive active LED	J9

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
IDE(AT) interface enabled	JP1/A	Pins 2 & 3 closed
IDE(AT) interface disabled	JP1/A	Pins 1 & 2 closed
VLB speed is 50 MHz	JP1/C	Pins 2 & 3 closed
VLB speed is 33 MHz	JP1/C	Pins 1 & 2 closed
Floppy drive order is normal (A:, B)	JP2/A	Pins 2 & 3 closed
Floppy drive order is reversed (B:, A)	JP2/A	Pins 1 & 2 closed
Floppy I/O address is 3F0-3F7h	JP2/B	Pins 2 & 3 closed
Floppy I/O address is 370-377h	JP2/B	Pins 1 & 2 closed

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USER CONFIGURABLE SETTINGS (CONTINUED)		
Function	Location	Setting
í Floppy drive interface enabled	JP2/C	Pins 2 & 3 closed
Floppy drive interface disabled	JP2/C	Pins 1 & 2 closed
í Secondary IDE IOCHRDY signal disabled	JP3	Open
Secondary IDE IOCHRDY signal enabled	JP3	Closed
í Primary IDE IOCHRDY signal enabled	JP4	Closed
Primary IDE IOCHRDY signal disabled	JP4	Open
í Parallel port is uni-directional	JP6	Closed
Parallel port is bi-directional	JP6	Open
í Parallel port IRQ 7 select	JP7	Pins 1 & 2 closed
Parallel port IRQ 5 select	JP7	Pins 3 & 4 closed
í Game port enabled	JP8	Closed
Game port disabled	JP8	Open

IDE MODE SELECTION		
Setting	JP1/D	JP1/E
í Mode 0 / cycle 600ns	Pins 2 & 3 closed	Pins 2 & 3 closed
Mode 1 / cycle 500ns	Pins 1 & 2 closed	Pins 2 & 3 closed
Mode 2 / cycle 400ns	Pins 2 & 3 closed	Pins 1 & 2 closed
Mode 3 / cycle 240ns	Pins 1 & 2 closed	Pins 1 & 2 closed

IDE I/O ADDRESS SELECTION		
Setting	JP1/B	JP9
í IDE I/O address is 170h or 1F0h	Pins 2 & 3 closed	Pins 1 & 2 closed
IDE I/O address is 1F0h only	Pins 1 & 2 closed	Pins 2 & 3 closed

PARALLEL PORT ADDRESS SELECTION		
LPT	JP5/E	JP5/F
í LPT1 (378h)	Pins 2 & 3 closed	Pins 2 & 3 closed
LPT2 (278h)	Pins 1 & 2 closed	Pins 1 & 2 closed
LPT3 (3BCh)	Pins 1 & 2 closed	Pins 2 & 3 closed
Disabled	Pins 2 & 3 closed	Pins 1 & 2 closed

SERIAL PORT 1 ADDRESS SELECTION		
COM	JP5/A	JP5/B
í COM1 (3F8h)	Pins 2 & 3 closed	Pins 2 & 3 closed
COM3 (3E8h)	Pins 1 & 2 closed	Pins 1 & 2 closed
Disabled	Pins 1 & 2 closed	Pins 2 & 3 closed

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SERIAL PORT 2 ADDRESS SELECTION		
COM	JP5/C	JP5/D
COM2 (2F8h)	Pins 2 & 3 closed	Pins 2 & 3 closed
COM4 (2E8h)	Pins 1 & 2 closed	Pins 1 & 2 closed
Disabled	Pins 1 & 2 closed	Pins 2 & 3 closed

PARALLEL PORT IRQ SELECTION		
Setting	JP7/pins 1 & 2	JP7/pins 3 & 4
IRQ 7	Pins 2 & 3 closed	Pins 1 & 2 closed
IRQ 5	Pins 1 & 2 closed	Pins 2 & 3 closed