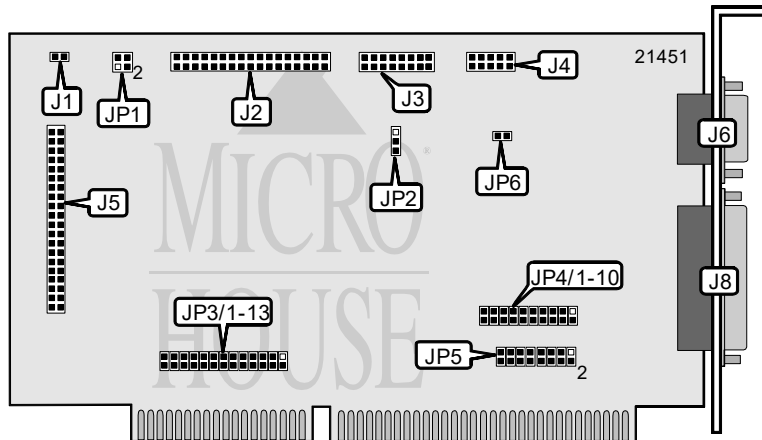


DIAMOND FLOWER, INC.

MIO-550 (REV.C/D)

Card Type	Hard drive controller
Hard Drives supported	Two IDE (AT) drives
Floppy drives supported	Two 360KB, 720KB, 1.2MB, or 1.44MB drives
Data Bus	16-bit ISA
Card Size	Half-length, full-height



CONNECTIONS			
Function	Location	Function	Location
2-pin connector - drive active LED	J1	40-pin IDE(AT) connector	J5
34-pin cable connector - floppy drive	J2	9-pin serial port 1 - external	J6
16-pin game port	J3	25-pin parallel port - external	J8
10-pin serial port 2 - internal	J4		

USER CONFIGURABLE SETTINGS			
Function	Label	Position	
Serial port 1 DMA enabled	JP1/pins 1 & 3	Closed	
Serial port 1 DMA disabled	JP1/pins 1 & 3	Open	
Serial port 2 DMA enabled	JP1/pins 2 & 4	Closed	
Serial port 2 DMA disabled	JP1/pins 2 & 4	Open	
1.8432MHz input clock of UART enabled	JP2	Pins 2 & 3 closed	
7.3728MHz input clock of UART enabled	JP2	Pins 1 & 2 closed	
Game port enabled	JP3/11	Closed	
Game port disabled	JP3/11	Open	
Floppy drive interface enabled	JP3/12	Closed	
Floppy drive interface disabled	JP3/12	Open	
IDE(AT) interface enabled	JP3/13	Closed	
IDE(AT) interface disabled	JP3/13	Open	
Parallel port is uni-directional	JP6	Closed	
Parallel port is bi-directional	JP6	Open	
Note: When the 1.8432MHz is selected, the MIO-550 supports up to 56K bps. When the 7.3728MHz clock is selected, the MIO-550 supports up to 448K bps.			

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SERIAL PORT 1 DMA CHANNEL SELECTION				
Channel	JP5/pins 1 & 2	JP5/pins 3 & 4	JP5/pins 5 & 6	JP5/pins 7 & 8
í 1 (receive)	Open	Closed	Open	Closed
1 (transmit)	Pins 1 & 3 closed		Open	Closed
3 (receive)	Pins 2 & 4 closed		Closed	Open
3 (transmit)	Closed	Open	Closed	Open
Note: When selecting DMA, make sure JP1/pins 1 & 3 are closed.				

SERIAL PORT 2 DMA CHANNEL SELECTION				
Channel	JP5/pins 9 & 10	JP5/pins 11 & 12	JP5/pins 13 & 14	JP5/pins 15 & 16
1 (receive)	Open	Closed	Open	Closed
1 (transmit)	Pins 9 & 11 closed		Open	Closed
í 3 (receive)	Pins 10 & 12 closed		Closed	Open
3 (transmit)	Closed	Open	Closed	Open
Note: When selecting DMA, make sure JP1/pins 2 & 4 are closed.				

PARALLEL PORT ADDRESS SELECTION		
Setting	JP3/9	JP3/10
í LPT1 (378h)	Open	Closed
LPT2 (278h)	Closed	Open
Disabled	Open	Open

SERIAL PORT 1 ADDRESS SELECTION				
Setting	JP3/1	JP3/2	JP3/3	JP3/4
í COM1 (3F8h)	Open	Open	Open	Closed
COM2 (2F8h)	Open	Closed	Open	Open
COM3 (3E8h)	Open	Open	Closed	Open
COM4 (2E8h)	Closed	Open	Open	Open
Disabled	Open	Open	Open	Open

SERIAL PORT 2 ADDRESS SELECTION				
Setting	JP3/5	JP3/6	JP3/7	JP3/8
COM1 (3F8h)	Open	Open	Open	Closed
í COM2 (2F8h)	Open	Closed	Open	Open
COM3 (3E8h)	Open	Open	Closed	Open
COM4 (2E8h)	Closed	Open	Open	Open
Disabled	Open	Open	Open	Open

SERIAL PORT 1 INTERRUPT SELECTION				
IRQ	JP4/1	JP4/2	JP4/3	JP4/4
IRQ2	Closed	Open	Open	Open
IRQ3	Open	Open	Open	Closed
í IRQ4	Open	Open	Closed	Open
IRQ5	Open	Closed	Open	Open

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SERIAL PORT 2 INTERRUPT SELECTION				
IRQ	JP4/5	JP4/6	JP4/7	JP4/8
IRQ2	Closed	Open	Open	Open
í IRQ3	Open	Open	Open	Closed
IRQ4	Open	Open	Closed	Open
IRQ5	Open	Closed	Open	Open

PARALLEL PORT INTERRUPT SELECTION		
IRQ	JP4/9	JP4/10
IRQ5	Closed	Open
í IRQ7	Open	Closed