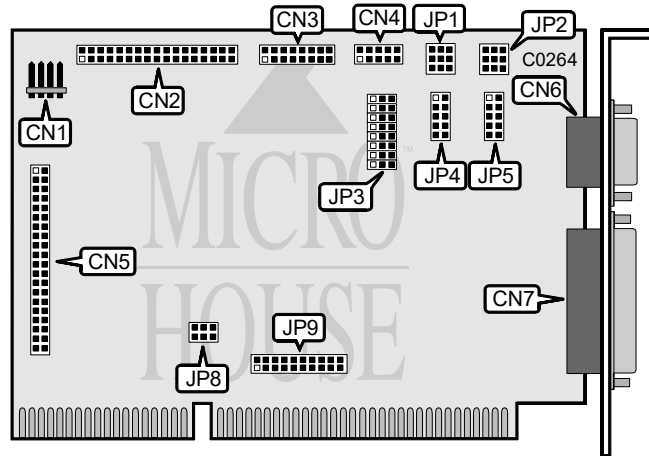# DIAMOND FLOWER INC.
MIO-400KF REV. F

Q1/93

Data bus: 16-bit, ISA
Size: Half-length, full-height card
Hard drives supported: Two IDE (AT) Interface drives
Floppy drives supported: Two 360KB, 720KB, 1.2MB, or 1.44MB drives

CABLE CONNECTIONS	
4-pin connector-drive active LED	CN1
34-pin data cable connector-floppy drive	CN2
16-pin connector-game port	CN3
10-pin connector-serial port 2	CN4
40-pin AT Interface (IDE) connector-internal	CN5
DB-9 male connector-serial port 1	CN6
DB-25 female connector-parallel port	CN7

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Hard drive enabled	JP3/jumper 8	pins 2 & 3 closed
Hard drive disabled	JP3/jumper 8	pins 1 & 2 closed
í Game port enabled	JP3/jumper 9	pins 2 & 3 closed
Game port disabled	JP3/jumper 9	pins 1 & 2 closed

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SERIAL PORT SIGNAL STATUS JP1 - Serial Port 1 - JP2 - Serial Port 2		
Function	Location	Setting
í DCD (Data Carrier Detect) - NORMAL	Jumper 1	pins 1 & 2 closed
DCD (Data Carrier Detect) - FORCED TRUE	Jumper 1	pins 2 & 3 closed
í DSR (Data Set Ready) - NORMAL	Jumper 2	pins 1 & 2 closed
DSR (Data Set Ready) - FORCED TRUE	Jumper 2	pins 2 & 3 closed
í CTS (Clear To Send) - NORMAL	Jumper 3	pins 1 & 2 closed
CTS (Clear To Send) - FORCED TRUE	Jumper 3	pins 2 & 3 closed

PARALLEL PORT CONFIGURATION		
LPT	JP3/jumper 1	JP3/jumper 2
Disabled	pins 1 & 2 closed	pins 1 & 2 closed
LPT1 on 3BC	pins 1 & 2 closed	pins 2 & 3 closed
LPT3 on 278	pins 2 & 3 closed	pins 1 & 2 closed
í LPT2 on 378	pins 2 & 3 closed	pins 2 & 3 closed

SERIAL PORT CONFIGURATION						
CN6	CN4	JP3/3	JP3/4	JP3/5	JP8/1	JP8/2
í COM1	COM2	pins 2 & 3	pins 2 & 3	pins 2 & 3	pins 1 & 2	pins 1 & 2
COM2	COM3	pins 2 & 3	pins 2 & 3	pins 1 & 2	pins 2 & 3	pins 2 & 3
COM1	COM4	pins 2 & 3	pins 2 & 3	pins 2 & 3	pins 1 & 2	pins 2 & 3
COM3	COM4	pins 2 & 3	pins 2 & 3	pins 2 & 3	pins 2 & 3	pins 1 & 2
COM1	Disabled	pins 2 & 3	pins 1 & 2	pins 2 & 3	pins 1 & 2	pins 1 & 2
Disabled	COM2	pins 1 & 2	pins 2 & 3	pins 2 & 3	pins 1 & 2	pins 1 & 2
Disabled	Disabled	pins 1 & 2	pins 1 & 2	pins 1 & 2	pins 1 & 2	pins 1 & 2
Note: Pins designated should be in the closed position.						

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FLOPPY DRIVE CONFIGURATION		
Drive	JP3/jumper 6	JP3/jumper 7
í Floppy drive enabled	pins 2 & 3 closed	pins 2 & 3 closed
Floppy drive disabled	pins 1 & 2 closed	pins 2 & 3 closed

SERIAL PORT CONFIGURATION JUMPERS JP4 - Serial Port 2 - JP5 - Serial Port 1	
í Port is DTE (Data Terminal Equipment)	pins 1 & 2, 3 & 4, 5 & 6, 7 & 8, 9 & 10 closed
Port is DCE (Data Comm. Equipment)	pins 1 & 3, 2 & 4, 5 & 7, 6 & 8, 9 & 10 closed

SERIAL PORT IRQ JUMPERS - JP9 Jumpers 1-4 - Serial port 2 (Default setting = íí) Jumpers 5-8 - Serial port 1 (Default setting = í)				
IRQ	Jumper 1/5	Jumper 2/6	Jumper 3/7	Jumper 4/8
IRQ2	closed	open	open	open
IRQ5	open	closed	open	open
í IRQ4	open	open	closed	open
íí IRQ3	open	open	open	closed

PARALLEL PORT IRQ		
IRQ	JP9/jumper 11	JP9/jumper 12
í IRQ5 (For LPT3)	closed	open
IRQ7 (For LPT1 or LPT2)	open	closed