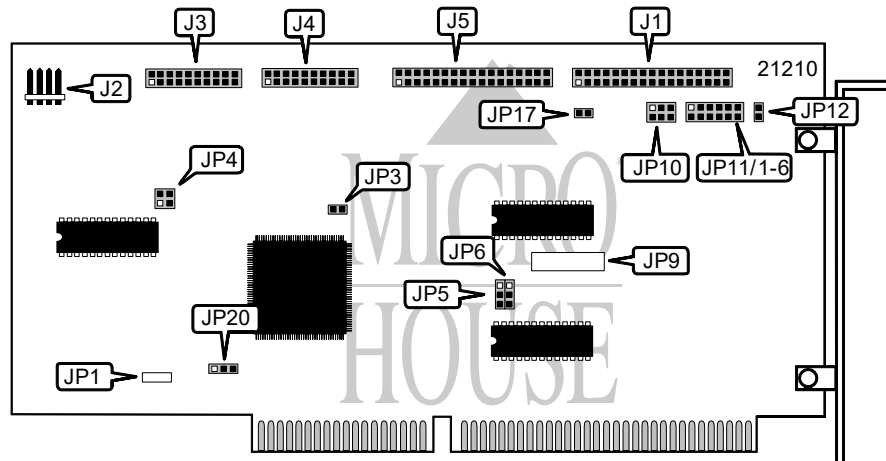


# ULTRASTOR CORPORATION

## 12F/12

Data Bus	16-bit ISA
Card Size	Three-quarter length, half-height card
Hard Drives supported	Two ESDI drives
Floppy drives supported	Two 360KB, 720KB, 1.2MB, or 1.44MB drives



### CONNECTIONS

Function	Location	Function	Location
34-pin cable connector - floppy drive	J1	20-pin cable connector - drive 0	J4
4-pin connector - drive active LED	J2	34-pin control cable connector - hard drive	J5
20-pin cable connector - drive 1	J3		

### USER CONFIGURABLE SETTINGS

Function	Label	Position
í Factory configured - do not alter	JP1	Unidentified
í Factory configured - do not alter	JP3	Closed
í On-board cache enabled	JP4	Open
On-board cache disabled	JP4	Pins 3 & 4 closed
í Factory configured - do not alter	JP9	Open
í Third floppy drive with twisted cable - jumper drive as DS2	JP11/1	Open
Third floppy drive with straight cable - jumper drive as DS4	JP11/1	Closed
í Drive 1 AT configured	JP11/2	Open
Drive 1 3.5 inch PS/2 configured (different pin 2 polarity)	JP11/2	Closed
í Drive 0 AT configured	JP11/3	Open
Drive 0 3.5 inch PS/2 configured (different pin 2 polarity)	JP11/3	Closed
í Floppy drive primary address is 3F0h	JP11/4	Open
Floppy drive secondary address is 370h	JP11/4	Closed
í Single speed floppy drive enabled	JP11/5	Open
Dual speed floppy drive enabled	JP11/5	Closed
í Precomp varies according to floppy data rate	JP11/6	Open
Precomp is 125 ns	JP11/6	Closed
í Hard drive primary address select (1F0-1F7h)	JP12	Open
Hard drive secondary address select (170-177h)	JP12	Closed

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USER CONFIGURABLE SETTINGS (CONTINUED)		
Function	Label	Position
í Chassis ground not connected to logic ground	JP16	Open
Chassis ground connected to logic ground	JP16	Closed
Floppy interface disabled	JP17	Open
Floppy interface enabled	JP17	Closed
í IRQ 14 select	JP20	Pins 2 & 3 closed
IRQ 15 select	JP20	Pins 1 & 2 closed
Note: Jumpers JP1 and JP9 are removed on revision B00. Location of jumper JP16 is unidentified.		

CACHE CONFIGURATION		
Data buffer	JP5	JP6
í 8KB	Pins 2 & 3 closed	Pins 1 & 2 closed
32KB	Pins 1 & 2 closed	Pins 1 & 2 closed

BIOS ADDRESS SELECTION			
Address	JP10/pins 1 & 2	JP10/pins 3 & 4	JP10/pins 5 & 6
í C8000h	Open	Open	Closed
CC000h	Open	Closed	Open
D0000h	Open	Closed	Closed
D4000h	Closed	Open	Open
D8000h	Closed	Open	Closed
DC000h	Closed	Closed	Open
Disabled	Open	Open	Open