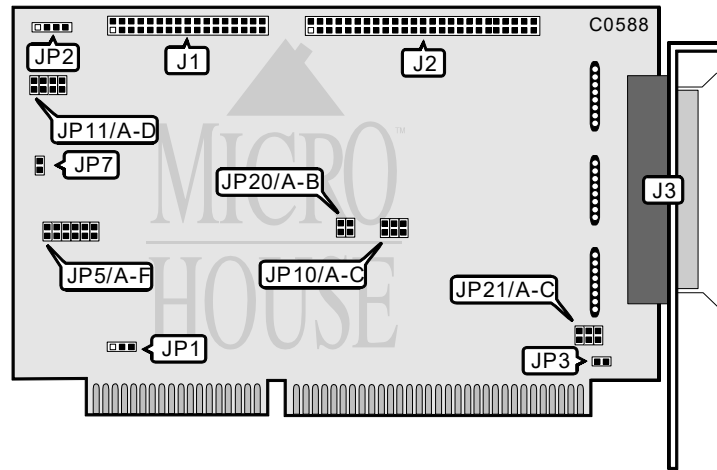


ULTRASTOR CORPORATION

ULTRA 14N

Q4/94

Data bus: 16-bit, ISA
 Size: Three/quarter-length, full-height card
 Hard drive supported: Up to seven SCSI devices
 Floppy drives supported: Two 360KB, 720KB, 1.2MB or 1.44MB drives



CONNECTIONS	
Function	Location
34-pin control cable connector - floppy drive	J1
50-pin SCSI connector - internal	J2
50-pin SCSI connector - external	J3
4-pin connector - drive active LED	JP2

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
i 128KB EPROM enabled	JP1	pins 2 & 3 closed
256KB EPROM enabled	JP1	pins 1 & 2 closed
i Card is ground to chassis	JP3	closed
Not grounded	JP3	open
i BIOS supports up to 2 SCSI hard drives	JP5/jumper E	open
BIOS supports up to 7 SCSI hard drives	JP5/jumper E	closed
i Ultra 14N synchronous negotiation enabled	JP5/jumper F	open
Target initiated synchronous negotiation enabled	JP5/jumper F	closed
i Floppy controller enabled	JP7	closed
Floppy controller disabled	JP7	open

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ULTRA 14N

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Double twisted cable selected for floppy connector	JP11/jumper A	open
Single twisted cable selected for floppy connector	JP11/jumper A	closed
í Floppy drive base address = 3F0h	JP11/jumper B	open
Floppy drive base address = 370h	JP11/jumper B	closed
í AT type floppy drive selected	JP11/jumper C	open
PS/2 type floppy drive selected	JP11/jumper C	closed
í Floppy drive precompensation is always 125ns	JP11/jumper D	open
Floppy drive precompensation adjusts to data rates.	JP11/jumper D	closed
í BIOS supports removable drive	JP21/jumper A	open
External drive supports removable drive	JP21/jumper A	closed
í Synchronous negotiation for removable drives starts at 10MB/s	JP21/jumper B	open
Synchronous negotiation for removable drives starts at 5MB/s	JP21/jumper B	closed
í Factory configured - do not alter	JP21/jumper C	open

HARD DRIVE HEAD MAPPING		
Setting	JP5/Jumper A	JP5/Jumper B
í 64 heads/32 sectors	closed	open
16 heads/63 sectors	open	open
64 heads/63 sectors	open	closed
64 heads/32 sectors	closed	closed

INTERRUPT SELECT		
IRQ	JP5/Jumper C	JP5/Jumper D
í IRQ14	open	closed
IRQ10	open	open
IRQ11	closed	open
IRQ15	closed	closed

BIOS ADDRESS			
Address	JP10/Jumper A	JP10/Jumper B	JP10/Jumper C
í C8000h	open	closed	open
CC000h	closed	closed	open
D0000h	open	open	closed
D4000h	closed	open	closed
D8000h	open	closed	closed
DC000h	closed	closed	closed
Disabled	open	open	open

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ULTRA 14N

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I/O ADDRESS		
Address	JP20/Jumper A	JP20/Jumper B
240h	closed	open
140h	open	open
220h	open	closed
340h	closed	closed