SCIENTIFIC MICRO SYSTEMS
OMTI 8120, OMTI 8127
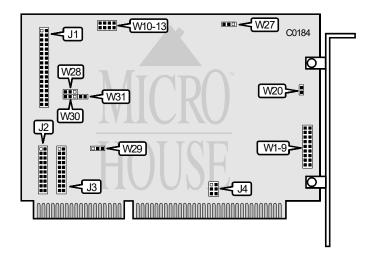
Data bus:	16-bit, ISA
Size:	Half-length, full-height card
Hard drives supported:	OMTI 8120:Two MFM ST506/ST412 drives
	OMTI 8127:Two RLL ST506/ST412 drives
Floppy drives supported:	None
Maximum heads/cyl.:	16 heads and 2048 cylinders

CONNECTIONS	
Function	Location
34-pin control cable connector-hard drive	J1
20-pin data cable connector-drive 0	J2
20-pin data cable connector-drive 1	J3
5-pin connector-DC power	J4

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Factory configured - do not alter	W1	closed
If BIOS is #1002661, then drive 0 parameters are set to 4 hds. and 612 cyl. If BIOS is #1002662, then drive 0 parameter are set to 4 hds. and 615 cyl.	W1	open
If BIOS is #1002661, then drive 1 parameters are set to 4 hds. and 612 cyl. If BIOS is #1002662, then drive 1 parameter are set to 4 hds. and 615 cyl.	W2	open
í Factory configured - do not alter	W2	closed
í I/O speed set to high performance string mode	W3	open
I/O speed set to loop	W3	closed
í Factory configured - do not alter	W4	N/A
í BIOS base address is C8000h	W9	open
BIOS base address is CA000h	W9	closed

I/O PORT ADDRESS			
Address	Jumper W5	Jumper W6	Jumper W7
í 320h	open	open	open
324h	closed	open	open
328h	open	closed	open
32Ch	closed	closed	open
1A0h	open	open	closed
1A4h	closed	open	closed
1A8h	open	closed	closed
1ACh	closed	closed	closed

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DRIVE CONFIGURATION					
DRIVE 1		DRIVE 0		BIOS #1002579	
Jumper W1	Jumper W2	Jumper W3	Jumper W4	Cyl.	Hds.
closed	closed	closed	closed	-	-
open	closed	open	closed	987	7
closed	open	closed	open	918	15
open	open	open	open	612	4

DRIVE CONFIGURATION					
DRIVE 1		DRIVE 0		BIOS #1002579	
Jumper W1	Jumper W2	Jumper W3	Jumper W4	Cyl.	Hds.
closed	closed	closed	closed	-	-
open	closed	open	closed	820	6
closed	open	closed	open	1024	9
open	open	open	open	615	4