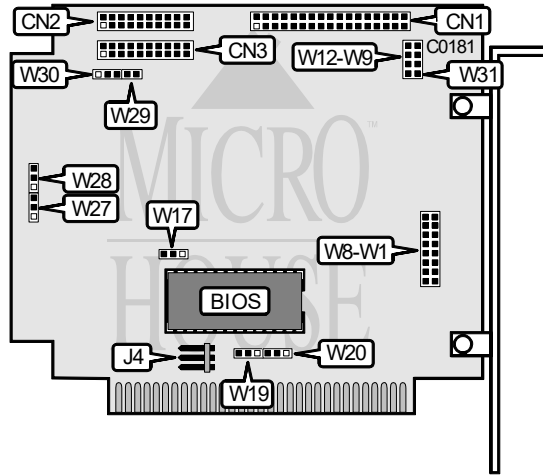


## SCIENTIFIC MICRO SYSTEMS OMTI 5520, OMTI 5527

Data bus: 8-bit, ISA  
 Size: Half-length, full height card  
 Hard drives supported: OMTI 5520: Two MFM ST506/ST412 drives  
 OMTI 5527: 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	CN1
20-pin data cable connector-drive 0	CN2
20-pin data cable connector-drive 1	CN3
6-pin DC power connector	J4

*Continued on next page . . .*

# SCIENTIFIC MICRO SYSTEMS

## OMTI 5520, OMTI 5527

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í BIOS enabled	W7	open
BIOS disabled	W7	closed
í BIOS base address is C8000h	W8	open
BIOS base address is CA000h	W8	closed
í Drive 0 soft sector	W11	open
Drive 0 hard sector	W11	closed
í Drive 1 soft sector	W14	open
Drive 1 hard sector	W14	closed
Not used	WP9	
Drive 0 is a removable drive ;drive 1 is a fixed drive (OMTI 5527 only,JP10-11 are not used on the 5520)	W10	closed
	W11	open
Drive 0 & 1 are both hard sector (OMTI 5527 only, JP10-11 are not used on the OMTI 5520.)	W10	open
	W11	closed
í Factory configured - do not alter	W12	N/A
í Not documented	W17,19,20, 27,28,29,30	N/A

I/O PORT ADDRESS		
Address	Jumper W5	Jumper W6
í 320h	open	open
324h	closed	open
328h	open	closed
32Ch	closed	closed

MISCELLANEOUS TECHNICAL NOTES
W1 through W4 are used to configured the drive type as supported by the BIOS. To support most of the drives on the market, there are several different BIOS's offered. The different BIOS drive type tables are listed with the OMTI 5510; The settings are the same for the 5520 and the 5527