SCIENTIFIC MICRO SYSTEMS
OMTI 5520A, OMTI 5527A
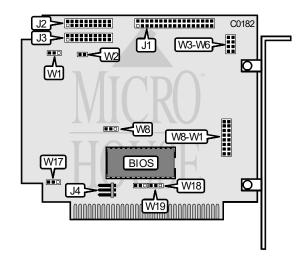
Data bus:	8-bit, ISA
Size:	Half-length, full-height card
Hard drives supported:	OMTI 5520A:Two MFM ST506/ST412 drives
	OMTI 5527A:Two RLL ST506/ST412 drives
Floppy drives supported	None
Maximum heads/cyl.:	16 heads and 2048 cylinders

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
6-pin DC power connector	J4

Continued on next page . . .

SCIENTIFIC MICRO SYSTEMS
OMTI 5520A, OMTI 5527A

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 Factory configured - do not alter	W9	N/A
í Factory configured - do not alter	W10	N/A
í Factory configured - do not alter	W11	N/A
í Drive 0 soft sectored	W11	open
Drive 0 hard sectored	W11	closed
í Factory configured - do not alter	W12	all
í Drive 1 soft sectored	W14	open
Drive 1 hard sectored	W14	closed
í Not documented	W17 to 19	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 configure the drive type. To support most of the drives on the market, there have been several different BIOS's offered. The different BIOS drive type tables are listed with the 5510; The jumper settings are the same for the 5520A and the 5527A.