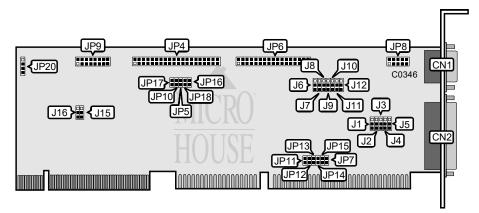# ORCHID TECHNOLOGY
SUPER IDE/VLB CONTROLLER

Q4/93

Data bus: 32-bit, VL-Bus
Size: Full-length, half-height card
Hard drive supported: Two IDE (AT) Interface drives
Floppy drives supported: Two 360KB, 720KB, 1.2MB, or 1.44MB drives

CONNECTIONS	
Function	Location
9-pin serial port (COM1/3) - external	CN1
25-pin parallel port (LPT1/2) - external	CN2
40-pin IDE(AT) Interface connector	JP4
34-pin control cable connector - floppy drive	JP6
10-pin serial port (COM2/4) - internal	JP8
15-pin game port - internal	JP9
4-pin connector - Drive active LED	JP20

PARALLEL PORT CONFIGURATION		
LPT	Jumper J6	Jumper J7
LPT2 (378-37Fh)	pins 1 & 2 closed	pins 1 & 2 closed
Disabled	pins 1 & 2 closed	pins 2 & 3 closed
LPT3 (278-27Fh)	pins 2 & 3 closed	pins 1 & 2 closed
í LPT1 (3BC-3BFh)	pins 2 & 3 closed	pins 2 & 3 closed

PARALLEL PORT INTERRUPT REQUEST		
IRQ	Jumper JP14	Jumepr JP15
í Parallel port interrupt is disabled	open	open
Parallel port interrupt is IRQ7	open	closed
Parallel port interrupt is IRQ5	closed	open

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ORCHID TECHNOLOGY
SUPER IDE/VLB CONTROLLER

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Floppy drive enabled	J1	Pins 2 & 3 closed
Floppy drive disabled	J1	Pins 1 & 2 closed
í Hard drive port address is 1F0-1F7h	J2	Pins 2 & 3 closed
Hard drive port address is 170-177h	J2	Pins 1 & 2 closed
í Floppy drive A:/B: order normal	J3	Pins 2 & 3 closed
Floppy drive A:/B: order changed	J3	Pins 1 & 2 closed
í Hard drive enabled	J4	Pins 2 & 3 closed
Hard drive disabled	J4	Pins 1 & 2 closed
í Hard drive I/O port address is 1F0-1F7, 3F0-3F7h	J5	Pins 2 & 3 closed
Hard drive I/O port address is 170-177, 370-377h	J5	Pins 1 & 2 closed
í Game port enabled	J12	pins 2 & 3 closed
Game port disabled	J12	pins 1 & 2 closed
í IDE Cycle is VESA	J15	pins 2 & 3 closed
	JP17	open
IDE Cycle is ISA	J15	pins 1 & 2 closed
	JP17	closed
í VL bus clock speed is 33MHz or 50MHz	J16	pins 2 & 3 closed
VL bus clock speed is 25MHz or 40MHz	J16	pins 1 & 2 closed
í One IDE(AT) hard drives supported	JP5	closed
Two IDE(AT) hard drives supported	JP5	open
í Parallel Port (CN2) is an I/O port	JP7	closed
Parallel Port (CN2) is an input port only	JP7	open
í Hard drive interrupt is IRQ14	JP10	closed
Hard drive interrupt is disabled	JP10	open
í Serial Port 2 interrupt is IRQ3	JP11	closed
Serial Port 2 interrupt is disabled	JP11	open
í Serial Port 1 interrupt is IRQ4	JP12	closed
Serial Port 1 interrupt is disabled	JP12	open
í Floppy drive interrupt is IRQ6	JP13	closed
Floppy drive interrupt is disabled	JP13	open
Factory Configured - do not alter	JP16	open
Factory Configured - do not alter	JP18	open

ORCHID TECHNOLOGY
SUPER IDE/VLB CONTROLLER

SERIAL PORT 1 CONFIGURATION		
COM	Jumper J8	Jumper J9
COM3	pins 1 & 2 closed	pins 1 & 2 closed
Disabled	pins 1 & 2 closed	pins 2 & 3 closed
COM4	pins 2 & 3 closed	pins 1 & 2 closed
í COM1	pins 2 & 3 closed	pins 2 & 3 closed

SERIAL PORT 2 CONFIGURATION		
COM	Jumper J10	Jumper J11
COM4	pins 1 & 2 closed	pins 1 & 2 closed
Disabled	pins 1 & 2 closed	pins 2 & 3 closed
COM4	pins 2 & 3 closed	pins 1 & 2 closed
í COM2	pins 2 & 3 closed	pins 2 & 3 closed