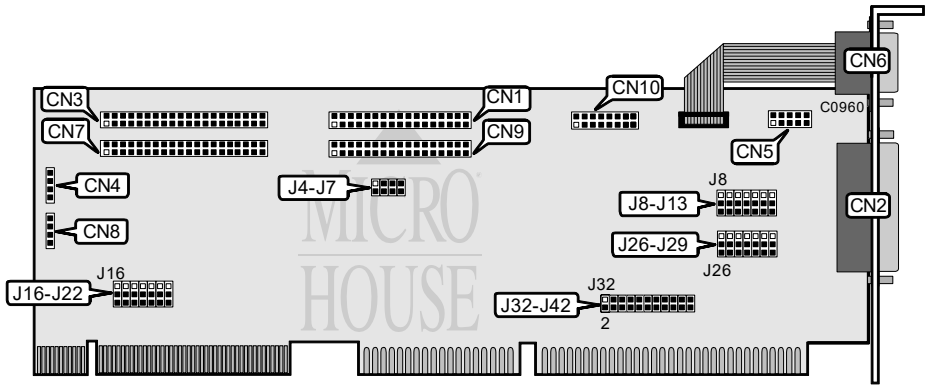
MODULAR CIRCUIT TECHNOLOGY
MCT-VIO+

Q3/96

Data bus:	32-bit VL-bus
Size:	Three-quarter length, half-height card
Hard drive supported:	Four IDE(AT) drives
Floppy drives supported:	Four 360KB, 720KB, 1.2MB, 1.44MB, or 2.88MB drives



CONNECTIONS	
Function	Location
34-pin control cable connector - primary floppy drive	CN1
25-pin parallel port - external	CN2
40-pin IDE(AT) Interface connector - primary drive	CN3
4-pin connector - primary IDE drive active LED	CN4
10-pin serial port 2 - internal	CN5
9-pin serial port 1 - external/10-pin serial port 1 internal	CN6
40-pin IDE (AT) Interface connector - secondary drive	CN7
4-pin connector - secondary drive active LED	CN8
34-pin control cable connector - secondary floppy drive	CN9
16-pin game port - internal	CN10

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í IOCHRDY signal disabled	J7	Open
IOCHRDY signal enabled	J7	Closed
í Floppy drive enable	J8	Pins 2 & 3 closed
Floppy drive disable	J8	Pins 1 & 2 closed
í Floppy drive normal compatible mode enabled	J16	Pins 2 & 3 closed
Floppy drive enhanced mode enabled	J16	Pins 1 & 2 closed
í IDE(AT) interface enabled	J17	Pins 2 & 3 closed
IDE(AT) interface disabled	J17	Pins 1 & 2 closed
í Floppy drive I/O address is 3F0h	J26	Pins 2 & 3 closed
Floppy drive I/O address is 370h	J26	pins 1 & 2 closed
í Game port enable	J37	Closed
Game port disable	J37	Open

IDE CHANNEL AND ADDRESS CONFIGURATION		
Setting	J18	J19
Primary and secondary channels enabled	Pins 1 & 2 closed	Pins 2 & 3 closed
Primary channel only enabled (170h)	Pins 2 & 3 closed	Pins 1 & 2 closed
í Primary channel only enabled (1F0h)	Pins 2 & 3 closed	Pins 2 & 3 closed

IDE WAIT STATE FOR VL-BUS CLOCK			
Setting	J20	J21	J22
í General setting for all VL bus clocks	Pins 2 & 3 closed	Pins 2 & 3 closed	Pins 2 & 3 closed
<= 33 MHz VL bus clock	Pins 1 & 2 closed	Pins 2 & 3 closed	Pins 1 & 2 closed
> 33 MHz VL bus clock	Pins 2 & 3 closed	Pins 1 & 2 closed	Pins 2 & 3 closed

FLOPPY CHANNEL CONFIGURATION			
Setting	J4	J5	J6
Primary and secondary channels enabled	Closed	Closed	Closed
í Primary channel enabled	Open	Open	Open
Note: The primary and secondary option is invalid with ECP mode.			

PARALLEL PORT CONFIGURATION		
LPT	J9	J27
í LPT1 (378h)	Pins 2 & 3 closed	Pins 2 & 3 closed
LPT2 (278h)	Pins 2 & 3 closed	Pins 1 & 2 closed
LPT3 (3BCh)	Pins 1 & 2 closed	Pins 1 & 2 closed
Disabled	Pins 1 & 2 closed	Pins 2 & 3 closed

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SERIAL PORT 1 CONFIGURATION		
COM	J10	J11
í COM1 (3F8h)	Pins 2 & 3 closed	Pins 2 & 3 closed
COM2 (2F8h)	Pins 2 & 3 closed	Pins 1 & 2 closed
COM3 (3E8h)	Pins 1 & 2 closed	Pins 2 & 3 closed
Disabled	Pins 1 & 2 closed	Pins 1 & 2 closed

SERIAL PORT 2 CONFIGURATION		
COM	J12	J13
í COM2 (2F8h)	Pins 2 & 3 closed	Pins 2 & 3 closed
COM1 (3F8h)	Pins 1 & 2 closed	Pins 2 & 3 closed
COM4 (2E8h)	Pins 2 & 3 closed	Pins 1 & 2 closed
Disable	Pins 1 & 2 closed	Pins 1 & 2 closed

PARALLEL PORT MODE CONFIGURATION		
Mode	J28	J29
í Printer	Pins 2 & 3 closed	Pins 2 & 3 closed
EPP & Printer	Pins 1 & 2 closed	Pins 2 & 3 closed
ECP	Pins 2 & 3 closed	Pins 1 & 2 closed
EPP & ECP	Pins 1 & 2 closed	Pins 1 & 2 closed

ECP DMA SELECTION					
Channel	J38	J39	J40	J41	J42
DMA 1	Closed	Open	Open	Closed	Closed
DMA 3	Closed	Closed	Closed	Open	Open
Disabled	Open	Open	Open	Open	Open

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SERIAL PORT INTERRUPT SELECTION					
Serial Port 1	Serial Port 2	J32	J33	J34	J35
No Interrupt	No Interrupt	Open	Open	Open	Open
No Interrupt	IRQ 3	Open	Closed	Open	Open
No Interrupt	IRQ 4	Open	J33/pin 1 to J34/pin 1		Open
No Interrupt	IRQ 5	J32/pin 1 to J33/pin 1		Open	Open
IRQ 3	No Interrupt	Open	J33/pin 2 to J34/pin 2		Open
í IRQ3	IRQ 4	Open	J33/pin 1 to J34/pin 1 J33/pin 2 to J34/pin 2		Open
IRQ3	IRQ5	J32/pin 1 to J33/pin1 J33/pin 2 to J34/pin 2			Open
IRQ4	No Interrupt	Open	Open	Closed	Open
IRQ4	IRQ3	Open	Closed	Closed	Open
IRQ4	IRQ5	J32/pin 1 to J33/pin 1		Closed	Open
IRQ5	No Interrupt	Open	Open	J34/pin 2 to J35/pin 2	
IRQ5	IRQ3	Open	Closed	J34/pin 2 to J35/pin 2	
IRQ5	IRQ4	Open	J33/pin 1 to J34/pin 1 J34/pin 2 to P35/pin 2		

PARALLEL PORT INTERRUPT SELECTION		
IRQ	J35	J36
IRQ5	Closed	Open
í IRQ7	Open	Closed
No Interrupt	Open	Open

MISCELLANEOUS TECHNICAL NOTES
Jumper J35 serves multiple functions so it appears in both serial port and parallel port interrupt selection tables.