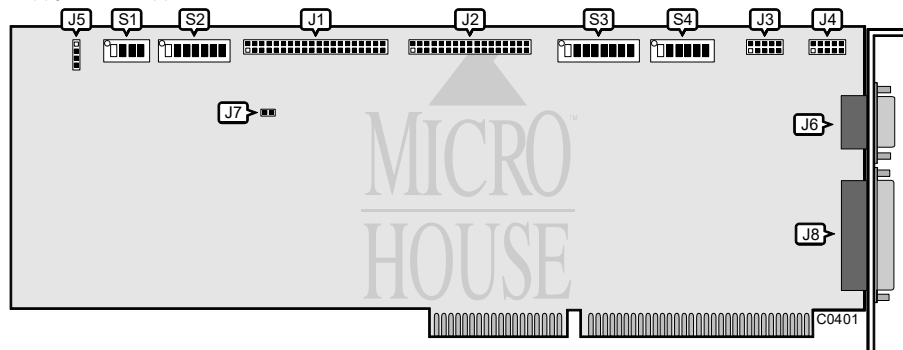


## MONOLITHIC SYSTEMS, INC. (COLORADO MSI) MICROPAQ 451

Q1/94

Data bus: 16-bit, ISA  
 Size: Full-length, full-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
40-pin IDE(AT) Interface connector	J1
34-pin control cable connector - floppy drive	J2
10-pin serial port (COM1/3) - internal	J3
10-pin serial port (COM2/4) - internal	J4
4-pin connector - Drive active LED	J5
15-pin VGA port - external	J6
25-pin parallel port (LPT1/2/3) - external	J8

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
i Floppy drive enabled	S1/switch 1	on
Floppy drive disabled	S1/switch 1	off
i Floppy drive change signal sense enabled	S1/switch 2	on
Floppy drive change signal sense disabled	S1/switch 2	off
i Single speed floppy drives supported	S1/switch 3	off
Dual speed floppy drives supported	S1/switch 3	on
i Floppy drive precompensation is 125ns	S1/switch 4	off
Floppy drive precompensation is 187ns	S1/switch 4	on
i VGA port enabled	S2/switch 1	on
VGA port disabled	S2/switch 1	off
i 16-bit video bus enabled	S2/switch 2	off
8-bit video bus enabled	S2/switch 2	on

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Hard drive enabled	S2/switch 4	on
Hard drive disabled	S2/switch 4	off
í Pin 34 on IDE interface not grounded	S2/switch 7	on
Pin 34 on IDE interface grounded	S2/switch 7	off

SERIAL PORT 1 (J3) CONFIGURATION - S3				
Function	Switch 1	Switch 2	Switch 3	Switch 4
COM1, IRQ4	on	off	off	on
COM1, IRQ3	on	off	on	off
COM3, IRQ4	off	on	off	on
COM3, IRQ3	off	on	on	off
Disabled	off	off	off	off

SERIAL PORT 2 (J4) CONFIGURATION - S3				
Function	Switch 5	Switch 6	Switch 7	Switch 8
COM2, IRQ4	on	off	off	on
COM2, IRQ3	on	off	on	off
COM4, IRQ4	off	on	off	on
COM4, IRQ3	off	on	on	off
Disabled	off	off	off	off

PARALLEL PORT (J8) CONFIGURATION - S4			
LPT	Switch 1	Switch 2	Switch 3
í LPT1	off	off	off
LPT2	off	off	on
LPT3	off	on	off
Disabled	off	on	on

PARALLEL PORT (J8) INTERRUPT REQUEST - S4		
IRQ	Switch 5	Switch 6
í IRQ7	off	on
IRQ5	on	off
Disabled	off	off

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IDE IOCHRDY PIN SELECTION		
Function	S2/switch 5	S2/switch 6
i IDE IOCHRDY from IDE pin 21 enabled	on	off
IDE IOCHRDY from IDE pin 27 enabled	off	on
Pin 21 setting is for Seagate, CDC, Imprimis, and Miniscribe hard drives. Pin 27 setting is for Quantum hard drives. Conner and WD hard drives ignore the setting of these switches.		

MISCELLANEOUS TECHNICAL NOTES
All other switches and jumpers are factory configured - do not alter.