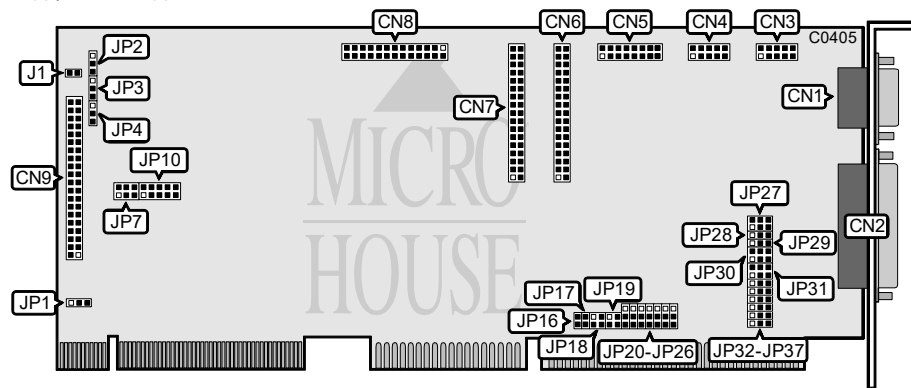# WESTERN DIGITAL CORPORATION
PARADISE ACCELERATOR/PORTS O' CALL

Q1/94

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

CONNECTIONS	
Function	Location
15-pin VGA analog video port - external	CN1
25-pin parallel port (LPT1/2/3) - external	CN2
10-pin serial port 1 (COM1/2/3) - internal	CN3
10-pin serial port 2 (COM1/2/4) - internal	CN4
15-pin game port - internal	CN5
34-pin control cable connector - floppy drive 0	CN6
34-pin control cable connector - floppy drive 1	CN7
26-pin VESA feature connector - internal	CN8
40-pin IDE(AT) Interface connector	CN9
2-pin connector - Drive active LED	J1

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í VL-bus IDE enabled	JP1	pins 1 & 2 closed
VL-bus IDE disabled	JP1	pins 2 & 3 closed
í 60Hz refresh rate in mode 3, 12, 5E, 5F	JP7/jumper 1	open
72Hz refresh rate in mode 3, 12, 5E, 5F	JP7/jumper 1	closed
í 0 wait state enabled	JP7/jumper 2	closed
1 wait state enabled	JP7/jumper 2	open
í Hardware configuration by JP10 enabled	JP7/jumper 3	open
EEPROM configuration enabled	JP7/jumper 3	closed

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USER CONFIGURABLE SETTINGS		
Function	Location	Setting
í Standard fonts enabled	JP10/jumper 5	open
TUV fonts enabled (German standard)	JP10/jumper 5	closed
í Serial Port Interrupt Request IRQ3 enabled	JP19/jumper 1 or 2	closed
Serial Port Interrupt Request disabled	JP19/jumper 1 and 2	open
í Parallel Port Interrupt Request IRQ7 enabled	JP21	pins 1 & 2 closed
Parallel Port Interrupt Request IRQ5 enabled	JP21	pins 2 & 3 closed
í Printer Data Request is DREQ3	JP24	pins 1 & 2 closed
Printer Data Request is DREQ3	JP24	pins 2 & 3 closed
í Printer Data Acknowledge Is DACK3	JP26	pins 1 & 2 closed
Printer Data Acknowledge is DACK4	JP26	pins 2 & 3 closed
í Floppy drive enabled	JP28	pins 1 & 2 closed
Floppy drive disabled	JP28	pins 2 & 3 closed
í Hard drive enabled	JP29	pins 1 & 2 closed
Hard drive disabled	JP29	pins 2 & 3 closed
í Game Port (CN5) enabled	JP32	pins 1 & 2 closed
Game Port (CN5) disabled	JP32	open
í Hard drive port address is 1F0-1F7h	JP34	pins 1 & 2 closed
Hard drive port address is 170-177h	JP34	pins 2 & 3 closed
í Floppy drive port address is 3F0-3F7h	JP35	pins 1 & 2 closed
Floppy drive port address is 370-377h	JP35	pins 2 & 3 closed

800 X 600 X 16 MODE/256 COLOR MODE REFRESH RATE		
Function	JP10/jumper 1	JP10/jumper 2
í 56Hz vertical/<=35.3KHz horizontal/non-interlaced	open	open
56Hz vertical/<=35.3KHz horizontal/non-interlaced	closed	closed
72Hz vertical/>=48.2KHz horizontal/non-interlaced	closed	open
60Hz vertical/>=38.0KHz horizontal/non-interlaced	open	closed

1024 X 768 MODE REFRESH RATE		
Function	JP10/jumper 3	JP10/jumper 4
í 86.7Hz vertical/>=35.4KHz horizontal/interlaced	open	open
72Hz vertical/<=59.7KHz horizontal/non-interlaced	closed	closed
70Hz vertical/<=56.6KHz horizontal/non-interlaced	closed	open
60Hz vertical/<=48.5KHz horizontal/non-interlaced	open	closed

WESTERN DIGITAL CORPORATION
PARADISE ACCELERATOR/PORTS O' CALL

SERIAL PORT 1 (CN3) CONFIGURATION		
COM	JP27/jumper 1	JP27/jumper 2
í COM1	pins 1 & 2 closed	pins 1 & 2 closed
COM2	pins 1 & 2 closed	pins 2 & 3 closed
COM3	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	pins 2 & 3 closed	pins 2 & 3 closed

SERIAL PORT 2 (CN4) CONFIGURATION		
COM	JP30/jumper 1	JP30/jumper 2
COM1	pins 1 & 2 closed	pins 2 & 3 closed
í COM2	pins 1 & 2 closed	pins 1 & 2 closed
COM4	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	pins 2 & 3 closed	pins 2 & 3 closed

PARALLEL PORT (CN2) CONFIGURATION		
LPT	JP31/jumper 1	JP31/j umper 2
í LPT1	pins 1 & 2 closed	pins 2 & 3 closed
LPT2	pins 1 & 2 closed	pins 1 & 2 closed
LPT3	pins 2 & 3 closed	pins 1 & 2 closed
Disabled	pins 2 & 3 closed	pins 2 & 3 closed

MISCELLANEOUS TECHNICAL NOTES
Jumpers JP2, JP3, JP5, JP6, JP8, JP9, JP11, JP12, JP13, JP14, JP15, JP16, JP17, JP18, JP20, JP22, JP23, and JP25 are factory configured - do not alter.
Jumper JP4 is factory configured to pins 2 & 3 closed - do not alter.