

WESTERN DIGITAL CORPORATION

WDXT-GEN2, WDXT-GEN2 PLUS, WDXT-GEN2R

Data bus: 8-bit, PC/XT

Size: Half-length, full-height card

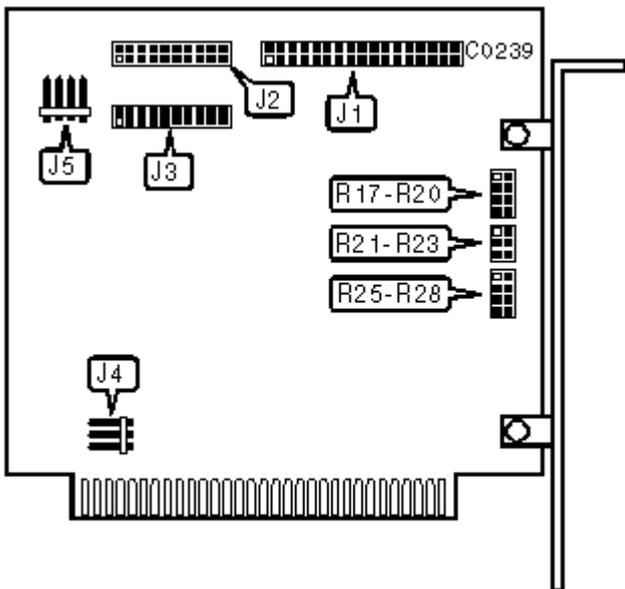
Hard drives supported: Two MFM ST506/412 drives (WDXT-GEN2/GEN2 PLUS)

Two RLL ST506/412 drives (WDXT-GEN2R)

Floppy drives supported: None

Maximum heads/cyl.: Maximum 8 heads and 1024 cylinders (WDXT-GEN2/GEN2 PLUS)

Maximum 15 heads and 1024 cylinders (WDXT-GEN2R)



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
5-pin connector-DC power (optional)	J4
4-pin connector-drive active LED	J5

SECTORS AND CONFIGURATION OPTIONS FOR RLL TABLE (WDXT-GEN2R)				
Sectors	Translation	Dynamic	R25	R26

»	17	yes	no	closed	open
»	26	no	yes	open	closed

USER CONFIGURABLE SETTINGS					
Function			Location	Setting	
»	Internal BIOS selected			R23	open
»	External BIOS selected			R23	closed
»	Factory configured - do not alter (WDXT-GEN2/GEN2 PLUS)			R25	open
»	Factory configured - do not alter (WDXT-GEN2/GEN2 PLUS)			R26	open
»	IRQ5 select			R27	open
»	IRQ2 select			R27	closed
»	XT mode enabled			R28	open
»	XT mode disabled			R28	closed

DRIVE TYPE CONFIGURATION (WDXT-GEN2/GEN2 PLUS)								
		Drive 0	Drive 1					
	Table #	R17	R18	R19	R20	Capacity	Heads	Cyls.
»	3	open	open	open	open	21MB	4	615
	0	closed	closed	closed	closed	21MB	4	612
	1	open	closed	open	closed	10MB	4	306
	2	closed	open	closed	open	10MB	2	615

DRIVE TYPE CONFIGURATION (WDXT-GEN2R)								
		Drive 0	Drive 1					
	Table #	R17	R18	R19	R20	Capacity	Heads	Cyls.
»	3	open	open	open	open	32MB	4	615

	0	closed	closed	closed	closed	65MB	6	820
	1	open	closed	open	closed	42MB	4	782
	2	closed	open	closed	open	21MB	2	782

ADDRESS SELECTION				
Controller Address		BIOS Address	R21	R22
»	320-323h	C8000-C9FFFh	open	open
	324-327h	CA000-CBFFFh	closed	open
	328-32Bh	CC000-CDFFFh	open	closed
	32C-32Fh	CE000-CFFFFh	closed	closed

MISCELLANEOUS TECHNICAL NOTES	
<p>The controller has a built-in low level format. To enter the program run the DEBUG utility supplied with DOS and at the prompt enter: G=C800:5</p>	