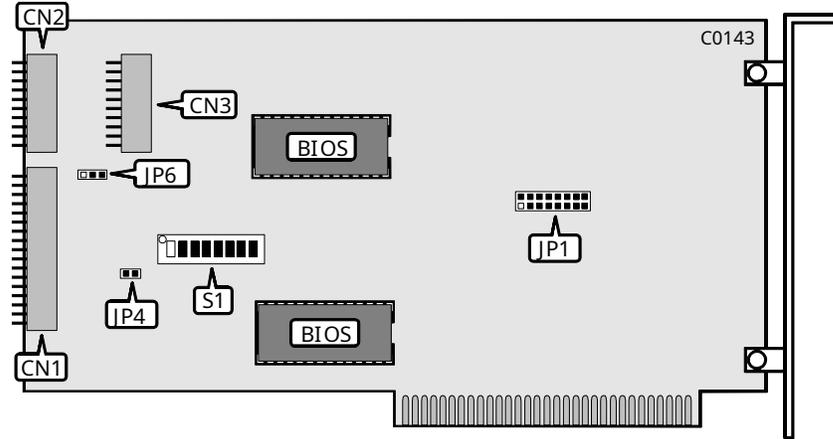


NCL AMERICA  
NCL 5027

Data bus: 8-bit, ISA  
 Size: Full-length, full-height card  
 Hard drives supported: Two ST506/412 MFM drives  
 Floppy drives supported: None  
 Sector Interleave: 6:1



CONNECTIONS	
Function	Location
34-pin control cable connector	CN1
20-pin data cable connector-drive 0	CN2
20-pin data cable connector-drive 1	CN3

USER CONFIGURABLE SETTINGS		
Function	Location	Setting
f BIOS enabled	JP1/all	closed
BIOS disabled	JP1/all	open
f Speed Recalibration set to slow	JP4	closed
Speed Recalibration set to fast or normal	JP4	open
f Head select set up to 8 heads	JP6	pins 1 & 2 closed
Head select set up to 16 heads	JP6	pins 2 & 3 closed

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NCL AMERICA  
NCL 5027

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BIOS Drive Type Table for the NCL5027									
Hd/Cyl	#	S1/1	S1/2	S1/3	S1/4	S1/5	S1/6	S1/7	S1/8
7/699	1	on	on	on	off	N/A	N/A	N/A	on
6/612	1	on	on	off	off	N/A	N/A	N/A	off
	2	N/A	N/A	N/A	off	on	on	off	off
4/640	1	on	off	on	off	N/A	N/A	N/A	off
	2	N/A	N/A	N/A	off	on	off	on	off
4/612	1	on	off	on	off	N/A	N/A	N/A	off
	2	N/A	N/A	N/A	off	on	off	on	off
2/612	1	off	on	on	off	N/A	N/A	N/A	off
	2	N/A	N/A	N/A	off	off	on	on	off
2/306	1	off	on	off	off	N/A	N/A	N/A	off
	2	N/A	N/A	N/A	off	off	on	off	off
4/320	1	off	off	on	off	N/A	N/A	N/A	off
	2	N/A	N/A	N/A	off	off	off	on	off
4/306	1	off	off	off	off	N/A	N/A	N/A	off
	2	N/A	N/A	N/A	off	off	off	off	off
6/640	1	on	on	on	on	N/A	N/A	N/A	off
	2	N/A	N/A	N/A	on	on	on	on	off
5/733	1	on	on	off	on	N/A	N/A	N/A	off
	2	N/A	N/A	N/A	on	on	on	off	off
7/733	1	on	off	on	on	N/A	N/A	N/A	on
5/830	1	on	off	off	on	N/A	N/A	N/A	on
7/830	1	off	on	on	on	N/A	N/A	N/A	on
10/830	1	off	on	off	on	N/A	N/A	N/A	on
15/918	1	off	off	on	on	N/A	N/A	N/A	on
5/977	1	off	off	off	on	N/A	N/A	N/A	on

Note: SW1/switch 8 must be "on" before power-up to enable the drive splitting feature.

MISCELLANEOUS TECHNICAL NOTES
Jumper JP2 is the port address jumper and is hard soldered at the factory to 320h. Jumpers JP3, 5, 7, 8, and 9 are Not used and their exact location is unknown.