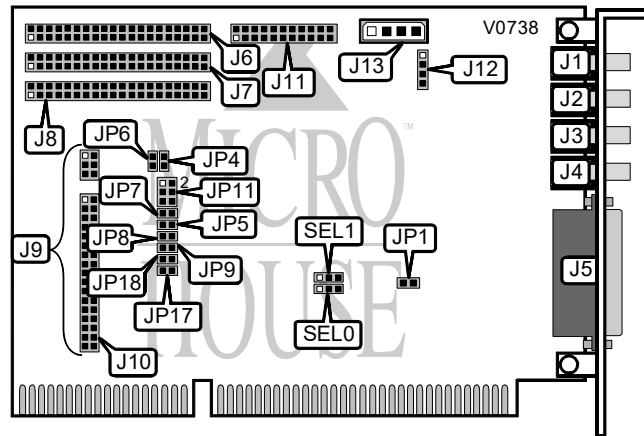# ACS COMPUTER GROUP
LASERWAVE NUCLEUS 16

Card Type   Sound card
Chipset Controller   ESS Technology, Inc. ES688
I/O Options   Game port, MIDI port, line in, mic in, line out, speaker, volume control, CD-ROM interface (4), SCSI interface, SCSI-2 interface
Maximum Dram   N/A

CONNECTIONS			
Purpose	**Location**	**Purpose**	**Location**
Speaker	J1	Header for SCSI-2 daughterboard	J8
Line out	J2	Headers for SCSI daughterboard	J9
Line in	J3	Sony CD-ROM interface	J10
Mic in	J4	Header for wave-table daughterboard	J11
Game/MIDI port	J5	Sony CD audio in	J12
Panasonic CD-ROM interface	J6	Panasonic Molex-D 4 CD audio in	J13
Mitsumi CD-ROM interface	J7		
Note: If your CD's audio cable ends in a Molex-D 3 plug, connect it to the first three pins of J13.			

GAME PORT CONFIGURATION	
Port	**JP1**
í Enabled	Closed
Disabled	Open

CD-ROM CONFIGURATION	
Setting	**JP6**
í Enabled	Closed
Disabled	Open

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SCSI CONFIGURATION	
Setting	**JP5**
í Disabled	Open
Enabled	Closed

CD-ROM CONFIGURATION	
Setting	**JP7**
í Disabled	Open
Enabled	Closed

SOUND CARD MEMORY BASE ADDRESS SELECTION		
Address	SEL0	SEL1
í 220h	Pins 1 & 2 closed	Pins 1 & 2 closed
230h	Pins 2 & 3 closed	Pins 1 & 2 closed
240h	Pins 1 & 2 closed	Pins 2 & 3 closed
250h	Pins 2 & 3 closed	Pins 2 & 3 closed

CD-ROM MEMORY BASE ADDRESS SELECTION		
Address	JP18	JP17
í 340h	Closed	Open
320h	Open	Closed

SCSI MEMORY BASE ADDRESS SELECTION		
Address	JP8	JP9
í 280h	Closed	Open
2B0h	Open	Closed

SCSI INTERRUPT SELECTION	
IRQ	JP11
5	Pins 1 & 2 closed
12	Pins 3 & 4 closed
15	Pins 5 & 6 closed

CD-ROM TYPE SELECTION	
Type	**JP6**
Panasonic	Closed
Sony/Mitsumi/SCSI	Open

SCSI-2 SELECTION	
Setting	**JP4**
í SCSI-2 daughterboard not installed	Open
SCSI-2 daughterboard installed	Closed

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