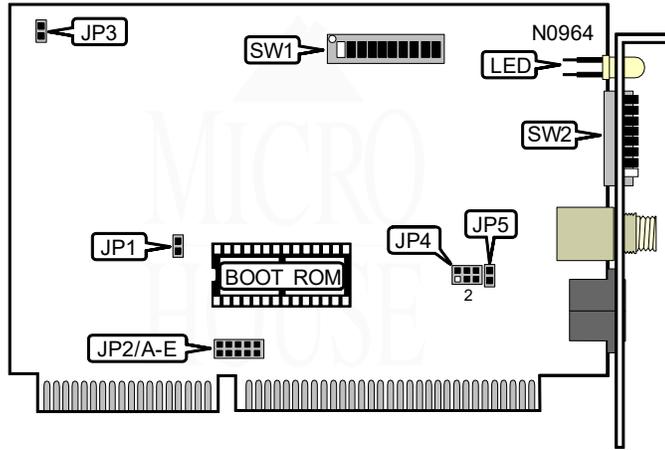


Chapter 5: Jumper Settings
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FD0464 ARCBARD16

NIC Type Arcnet
Transfer Rate 2.5Mbps
Data Bus 16-bit ISA
Topology Linear Bus
 Star
Wiring Type RG-62A/U 93ohm coaxial
 Unshielded twisted pair
Boot ROM Available



NODE ADDRESS SELECTION								
Address	SW2/1	SW2/2	SW2/3	SW2/4	SW2/5	SW2/6	SW2/7	SW2/8
1	Off	On						
2	On	Off	On	On	On	On	On	On
3	Off	Off	On	On	On	On	On	On
4	On	On	Off	On	On	On	On	On
5	Off	On	Off	On	On	On	On	On
251	Off	Off	On	Off	Off	Off	Off	Off
252	On	On	Off	Off	Off	Off	Off	Off
253	Off	On	Off	Off	Off	Off	Off	Off
254	On	Off						
255	Off							

Note: A total of 255 node address settings are available. The switches are a binary representation of the decimal node addresses. Switch SW2/1 is the Least Significant Bit and switch SW2/8 is the Most Significant Bit. The switches have the following decimal values: switch SW2/1=1, SW2/2=2, SW2/3=4, SW2/4=8, SW2/5=16, SW2/6=32, SW2/7=64, SW2/8=128. Turn off the switches and add the values of the off switches to obtain the correct node address. (on=0, off=1)

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CABLE TYPE SELECTION	
Cable Type	JP4
RG62A/U 93ohm coaxial	Pins 2 & 3, 5 & 6 Closed
Unshielded twisted pair	Pins 1 & 2, 4 & 5 Closed

TOPOLOGY TYPE SELECTION	
Topology Type	JP5
Linear Bus	Open
Star	Closed

Note: For Linear Bus, use 105 Ω terminator in lower RJ11 connector of last station.

BASE I/O ADDRESS SELECTION		
Address	SW1/9	SW1/10
í 2E0-2EFh	Off	On
2D0-2DFh	On	On
2F0-2FFh	On	Off
300-30Fh	Off	Off

SHARED RAM ADDRESS						
Address	SW1/1	SW1/2	SW1/3	SW1/4	SW1/5	SW1/6
C000-C3FFh	On	On	On	On	Off	Off
C400-C7FFh	Off	On	On	On	Off	Off
C800-CBFFh	On	Off	On	On	Off	Off
CC00-CFFFh	Off	Off	On	On	Off	Off
í D000-D3FFh	On	On	Off	On	Off	Off
D400-D7FFh	Off	On	Off	On	Off	Off
D899-DBFFh	On	Off	Off	On	Off	Off
DC00-DFFFh	Off	Off	Off	On	Off	Off
E000-E0FFh	On	On	On	Off	Off	Off

INTERRUPT SELECTION					
IRQ	JP2/A	JP2/B	JP2/C	JP2/D	JP2/E
í 2	Closed	Open	Open	Open	Open
3	Open	Closed	Open	Open	Open
10	Open	Open	Closed	Open	Open
11	Open	Open	Open	Closed	Open
12	Open	Open	Open	Open	Closed

BOOT ROM CONFIGURATION	
Setting	JP1
í Enabled	Open
Disabled	Closed

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CONNECTIONS	
Purpose	Position
Diagnostic LED	JP3

DIAGNOSTIC LED	
Status	Condition
On	Network connection is good
Off	Network connection is broken
Dim	Heavy traffic
Blinking	Temporarily unable to connect with some other nodes

FACTORY CONFIGURED SETTINGS	
SW1/7	SW1/8
On	On