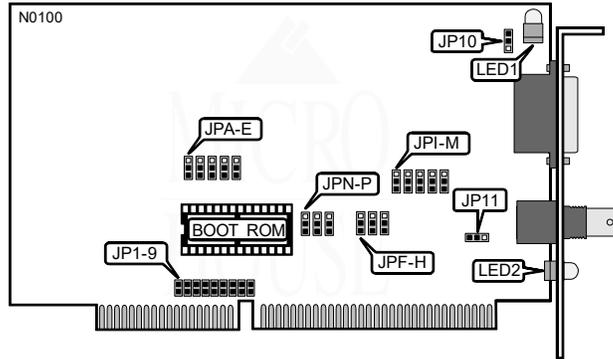


THE NETWORK INTERFACE CARD TECHNICAL GUIDE

TIARA COMPUTER SYSTEMS, INC.

LanCard/E * AT

NIC Type Ethernet
Transfer Rate 10Mbps
Data Bus 16-bit ISA
Topology Linear Bus
Wiring Type RG58A/U 50ohm coaxial
 AUI transceiver via DB-15 port
Boot ROM Available



INTERRUPT REQUEST									
IRQ	JP1	JP2	JP3	JP4	JP5	JP6	JP7	JP8	JP9
i3	Open	Closed	Open						
2/9	Open	Closed							
4	Open	Open	Open	Open	Open	Open	Closed	Open	Open
5	Open	Open	Open	Open	Open	Closed	Open	Open	Open
7	Open	Open	Open	Open	Closed	Open	Open	Open	Open
10	Open	Open	Open	Closed	Open	Open	Open	Open	Open
11	Open	Open	Closed	Open	Open	Open	Open	Open	Open
12	Open	Closed	Open						
15	Closed	Open							

CABLE TYPE	
Type	JP10
RG58A/U 50ohm coaxial	Pins 1 & 2 closed
AUI transceiver via DB-15 port	Pins 2 & 3 closed

CABLE MODE CONFIGURATION	
Cable mode	JP11
Long cable segment mode (100 nodes on a single 984 foot cable)	Pins 2 & 3 closed
Short cable segment mode (30 nodes on a single 607 foot cable)	Pins 1 & 2 closed

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I/O BASE ADDRESS					
Address	JPA	JPB	JPC	JPD	JPE
i300h	Pins 2 & 3	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2
000h	Pins 2 & 3				
020h	Pins 1 & 2	Pins 2 & 3			
040h	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3	Pins 2 & 3
060h	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3	Pins 2 & 3
080h	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3
0A0h	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3
0C0h	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3
0E0h	Pins 1 & 2	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3
100h	Pins 2 & 3	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3
120h	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3
140h	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3
160h	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3
180h	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3
1A0h	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3
1C0h	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3
1E0h	Pins 1 & 2	Pins 2 & 3			
200h	Pins 2 & 3	Pins 1 & 2			
220h	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2
240h	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2
260h	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2
280h	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2
2A0h	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2
2C0h	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2
2E0h	Pins 1 & 2	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2
320h	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2
340h	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2
360h	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2
380h	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2	Pins 1 & 2
3A0h	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2	Pins 1 & 2

Note: Pins designated should be in the closed position.

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BOOT ROM SIZE			
Size	JPF	JPG	JPH
i2764 (8KB)	Pins 2 & 3 Closed	Pins 2 & 3 Closed	Pins 2 & 3 Closed
27128 (16KB)	Pins 2 & 3 Closed	Pins 2 & 3 Closed	Pins 1 & 2 Closed
27256 (32KB)	Pins 2 & 3 Closed	Pins 1 & 2 Closed	Pins 1 & 2 Closed
27512 (64KB)	Pins 1 & 2 Closed	Pins 1 & 2 Closed	Pins 1 & 2 Closed

BASE MEMORY ADDRESS					
Base Address	ROM Size	JPI	JPJ	JPK	JPL
C000h	8KB	Pins 2 & 3			
C200h	8KB	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3	Pins 2 & 3
C400h	8KB	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3
C600h	8KB	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3
C800h	8KB	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3
CA00h	8KB	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3
CC00h	8KB	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3
CE00h	8KB	Pins 1 & 2	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3
D000h	8KB	Pins 2 & 3	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2
D200h	8KB	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2
D400h	8KB	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2
D600h	8KB	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2
D800h	8KB	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2
DA00h	8KB	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2
DC00h	8KB	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2	Pins 1 & 2
DE00h	8KB	Pins 1 & 2			
C000h	16KB	N/A	Pins 2 & 3	Pins 2 & 3	Pins 2 & 3
C400h	16KB	N/A	Pins 1 & 2	Pins 2 & 3	Pins 2 & 3
C800h	16KB	N/A	Pins 2 & 3	Pins 1 & 2	Pins 2 & 3
CC00h	16KB	N/A	Pins 1 & 2	Pins 1 & 2	Pins 2 & 3
D000h	16KB	N/A	Pins 2 & 3	Pins 2 & 3	Pins 1 & 2
D400h	16KB	N/A	Pins 1 & 2	Pins 2 & 3	Pins 1 & 2
D800h	16KB	N/A	Pins 2 & 3	Pins 1 & 2	Pins 1 & 2
DC00h	16KB	N/A	Pins 1 & 2	Pins 1 & 2	Pins 1 & 2
C000h	32KB	N/A	N/A	Pins 2 & 3	Pins 2 & 3
C800h	32KB	N/A	N/A	Pins 1 & 2	Pins 2 & 3
D000h	32KB	N/A	N/A	Pins 2 & 3	Pins 1 & 2
D800h	32KB	N/A	N/A	Pins 1 & 2	Pins 1 & 2
C000h	64KB	N/A	N/A	N/A	Pins 2 & 3
D000h	64KB	N/A	N/A	N/A	Pins 1 & 2

Note: Pins designated should be in the closed position.

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BOOT ROM	
Setting	JPM
Disabled	Pins 2 & 3 closed
Enabled	Pins 1 & 2 closed

DIAGNOSTIC LED(S)		
LED	Status	Condition
LED1	On	Card is receiving power and the fuse is good.
LED2	Green	Data is being received.
LED2	Red	Collision detected on network.
LED2	Orange	Data is being transmitted.

FACTORY CONFIGURED SETTINGS	
Jumper	Setting
JPN - JPP	Pins 1 & 2 closed