

SUPER[®]



Serial Attached SCSI 814 Backplane

USER'S GUIDE

Rev. 1.0a

Table of Contents

Safety Information and Technical Specifications	1-3
1. Safety Guidelines	1-3
2. Jumper Settings and Pin Definitions	1-4
A. Front Jumpers and Connectors	1-4
B. Rear Connectors and LED Indicators	1-6

Safety Information and Technical Specifications

1. Safety Guidelines



To avoid personal injury and property damage, please carefully follow all the safety steps listed below when accessing your system or handling the components:

ESD Safety Guidelines

Electric Static Discharge (ESD) can damage electronic components. To prevent damage to your system, it is important to handle it very carefully. The following measures are generally sufficient to protect your equipment from ESD.

- Use a grounded wrist strap designed to prevent static discharge.
- Touch a grounded metal object before removing a component from the antistatic bag.
- Handle the RAID card by its edges only; do not touch its components, peripheral chips, memory modules or gold contacts.
- When handling chips or modules, avoid touching their pins.
- Put the card and peripherals back into their antistatic bags when not in use.

General Safety Guidelines

- Always disconnect power cables before installing or removing any components from the computer, including the Serial Attached SCSI 814 Backplane.
- Disconnect the power cable before installing or removing any cable from the Serial Attached SCSI 814 Backplane.
- Make sure that the Serial Attached SCSI 814 Backplane is securely and properly installed on the motherboard to prevent damage to the system due to power shortage.

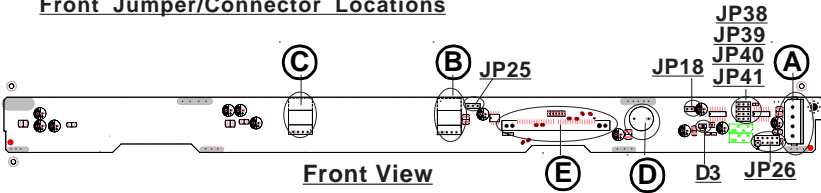
An Important Note to the User

- All images and layouts shown in this user's guide are based upon the latest PCB Revision available at the time of publishing. The card you've received may or may not look exactly the same as the images or the layouts shown in this manual.

2. Jumper Settings and Pin Definitions

A. Front Jumpers and Connectors

Front Jumper/Connector Locations



(*See below for front connector/jumper descriptions.)

Front Connectors and Pin Definitions

A (J10): Backplane Main Power

Backplane Main Power Connector Pin Definitions

You must use the 4-pin power connector (J10) to provide adequate power supply to the Backplane. See the table on the right for pin definitions.

Backplane Main PWR 4-pin Connector (J10)

Pins #	Definition
1	+12 V
2 & 3	Ground
4	+5V

B/C: CD-ROM/Floppy Drive Power Connectors

CD-ROM/FDD Power Connector Pin Definitions

You must use the 4-pin power connectors, marked "B" and "C" on the layout above, to provide power supply to the CD-ROM and Floppy Drives. See the table on the right for pin definitions.

CD-ROM/FDD PWR 4-pin Connectors

Pins #	Definition
1	+5 V
2 & 3	Ground
4	+12V

D: Buzzer

E: Serial Attached SCSI In (Connector)

Front Jumper Descriptions and Pin Definitions

Jumper	Description	Definition
JP18	Open	Buzzer Enable (*Default)
	Closed	Buzzer Disable
JP25	1-2	Overheat Temperature at 50 ⁰ C (*Default)
	2-3	Overheat Temperature at 55 ⁰ C
	Open	Overheat Temperature at 45 ⁰ C
JP26	Open	Common Act In and Act #1-4 In
JP38	1-2	Activity LED for HBA#1
	2-3	Activity LED for HDD#1 (*Default)
JP39	1-2	Activity LED for HBA#2
	2-3	Activity LED for HDD#2 (*Default)
JP40	1-2	Activity LED for HBA#3
	2-3	Activity LED for HDD#3 (*Default)
JP41	1-2	Activity LED for HBA#4
	2-3	Activity LED for HDD#4 (*Default)

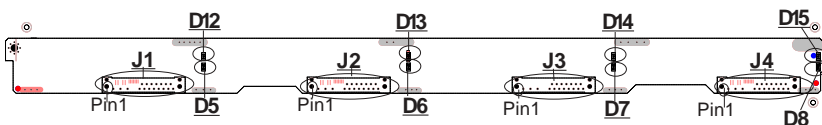
Front Overheat LED Indicator

Front LED Indicator	Specification
D3 (Front)	Overheat LED Indicator

B. Rear Connectors and LED Indicators

Rear Connector/LED Indicator Locations

Rear View



(*See below for rear connector/LED descriptions.)

Connector/LED Indicator Descriptions

Connectors

Rear Connector	Specification
J1 (Rear)	S-A SCSI#0 (connected to HDD)
J2 (Rear)	S-A SCSI #1 (connected to HDD)
J3 (Rear)	S-A SCSI #2 (connected to HDD)
J4 (Rear)	S-A SCSI #3 (connected to HDD)

Rear LED Indicators	Specification
D12 (Rear)	S-A SCSI #0 Activity LED
D13 (Rear)	S-A SCSI #1 Activity LED
D14 (Rear)	S-A SCSI #2 Activity LED
D15 (Rear)	S-A SCSI #3 Activity LED
D5 (Rear)	S-A SCSI #0 Fail LED
D6 (Rear)	S-A SCSI #1 Fail LED
D7 (Rear)	S-A SCSI #2 Fail LED
D8 (Rear)	S-A SCSI #3 Fail LED

(*Note: S-A SCSI indicates "Serial Attached SCSI".)