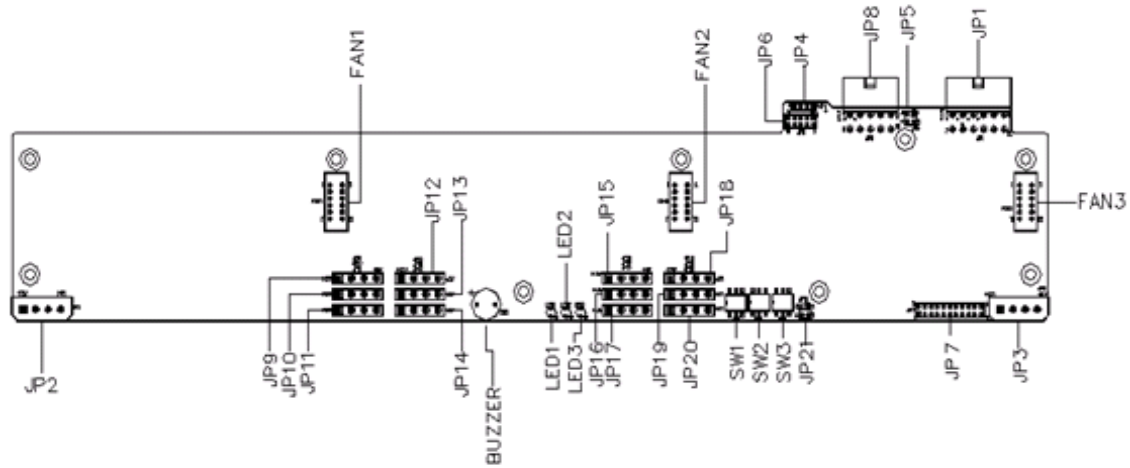


Fan Power Board



	Function	Setting
JP1	12 volt power connector	Connected to power supply
JP2, JP3	4 pin DC power connector	Power for peripheral devices
JP4	I ² C header	Not used in SR316
JP5	Power input header	See Section 1.1
JP6	Motherboard connector header	See Section 1.2
JP7	Front panel connector header	See Section 1.3
JP8	5 volt power connector	Connected to power supply
JP9 to JP20	4 pin DC power connector	Power for backplanes
JP21	Thermocouple header	See Section 1.4
SW1	Hot swap fan switch	See Section 1.5
SW2, SW3	Thermocouple threshold switch	See Section 1.6 for setting
LED1, LED2, LED3	Fan status LEDs	None
FAN1, FAN2, FAN3	Hot swap fan header	Connected to hot swap fans

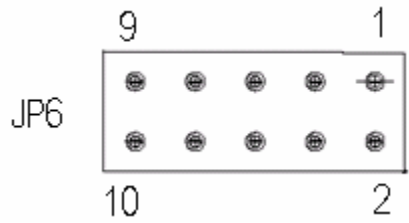
*This diagram is representative of the latest board revision available at the time of publishing.

1.1 Power Input Header (JP5)



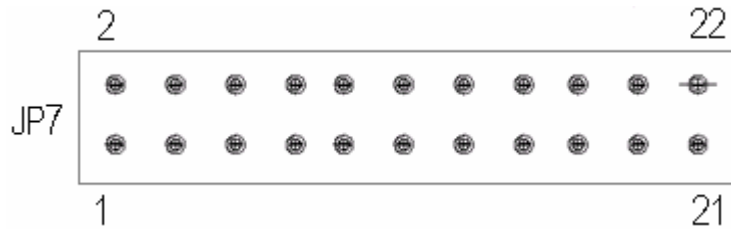
JP5	Power Input Header
1, 2	Power Supply Reset Input
3	Power Fail (TTL)
4	Ground

1.2 Motherboard Connector Header (JP6)



JP6 Motherboard connector header			
1, 2		System Power Switch	
3, 4		System Reset Switch	
5	Access LED+	6	Access LED-
7	LAN1 LED+	8	LAN1 LED-
9	LAN2 LED+	10	LAN2 LED-

1.3 Front Panel Connector Header (JP7)



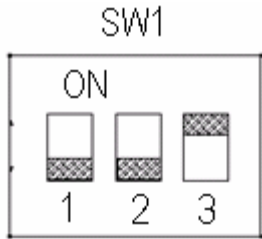
JP7 Front panel connector header			
1, 2		System Power Switch	
3, 4		System Reset Switch	
5, 6		Buzzer Alarm Reset Switch	
7	Power LED+	8	Power LED-
9	Access LED+	10	Access LED-
11	LAN1 LED+	12	LAN1 LED-
13	LAN2 LED+	14	LAN2 LED-
15	Temperature Green LED	16	Temperature Red LED
17	Fan Green LED	18	Fan Red LED
19	Power Fail Green LED	20	Power Fail Red LED
21, 22		Ground	

1.4 Thermocouple Header (JP21)



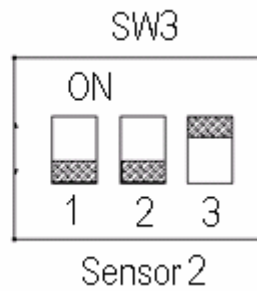
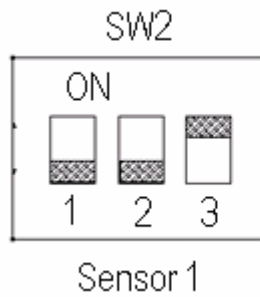
JP21 Thermocouple header		
1, 2		Sensor 1
3, 4		Sensor 2

1.5 Hot Swap Fan Switch (SW1)



Hot swap fan switch	
Piano Switch Setting	FAN detection control
Number 1 up "ON" 2 and 3 down "OFF"	FAN 1 detect enabled
Number 2 up "ON" 1 and 3 down "OFF"	FAN 2 detect enabled
Number 3 up "ON" 1 and 2 down "OFF"	FAN 3 detect enabled
All down "OFF"	Fan detection disabled

1.6 Thermocouple Threshold Switch (SW2, SW3)



Thermocouple threshold switch	
Piano Switch Setting	Threshold Result
Number 1 up "ON" 2 and 3 down "OFF"	Threshold at 45°C
Number 2 up "ON" 1 and 3 down "OFF"	Threshold at 55°C
Number 3 up "ON" 1 and 2 down "OFF"	Threshold at 65°C
All down "OFF"	Disable Feedback from Thermocouple