System Service Information

Hot-Swap Power Supplies

Power Supply Indicators

AC DC ! Description and Action

On On Off The power supply is on and

operating correctly

system serviced.

Possible causes:

power supply. Actions: Verify that:

system serviced.

On The power supply has failed.

--- There is a DC power problem Possible causes

1) The power supply has failed. Action: Replace the power supply. If the problem persists, have the

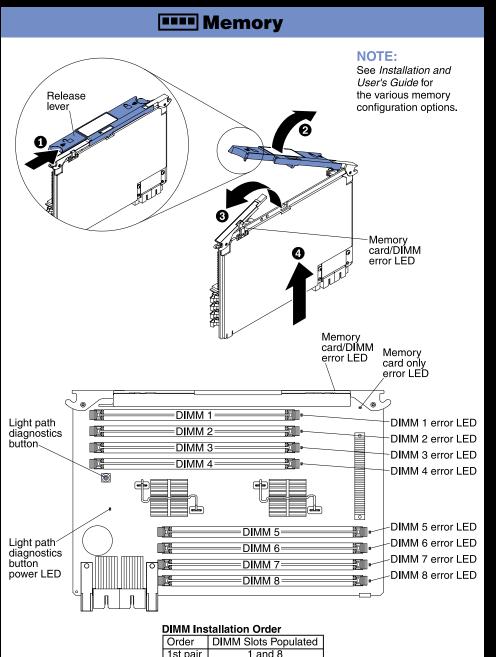
There is an AC power problem

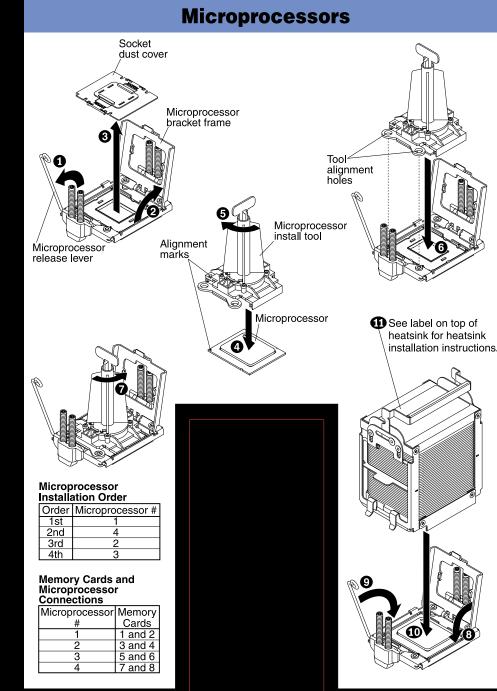
1) There is no AC power to the

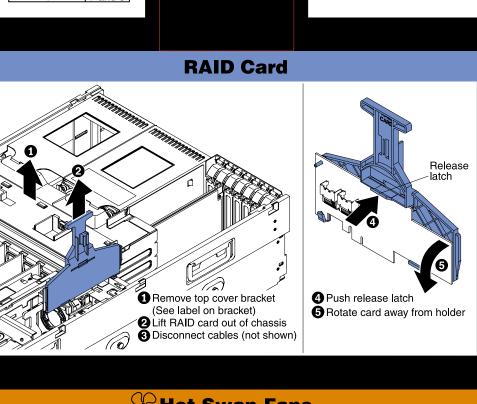
The power cord is properly

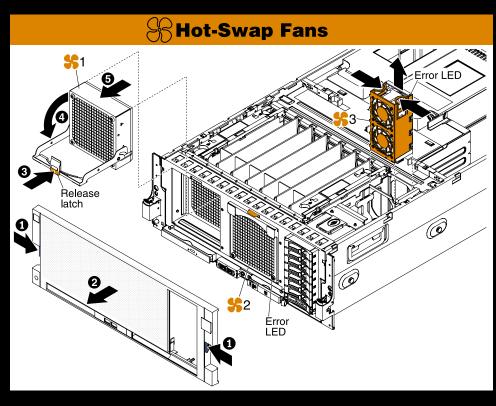
connected to the server. The power outlet functions properly 2) The power supply has failed. Action: Replace the power supply. If the problem persists, have the

Action: Replace the power supply

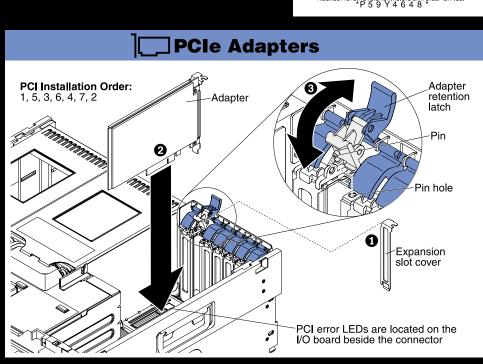


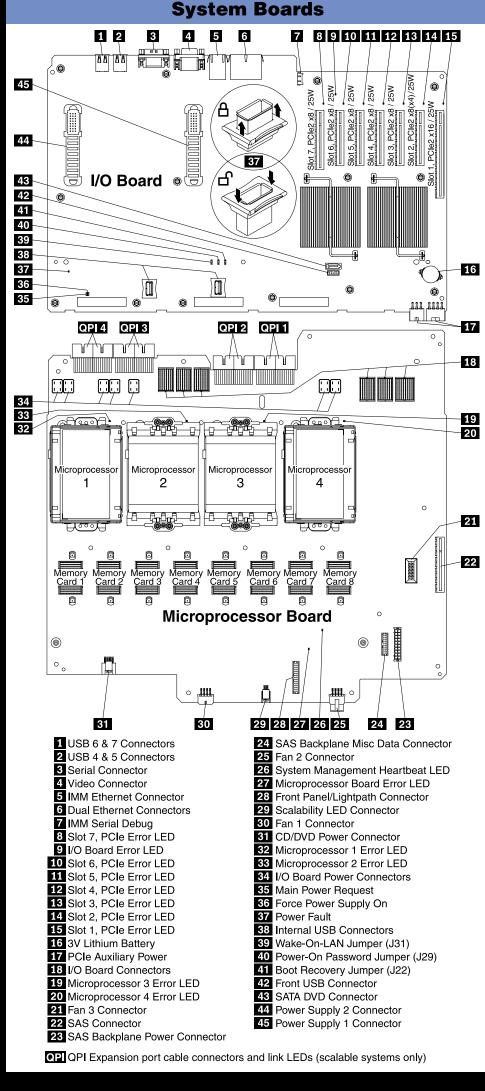


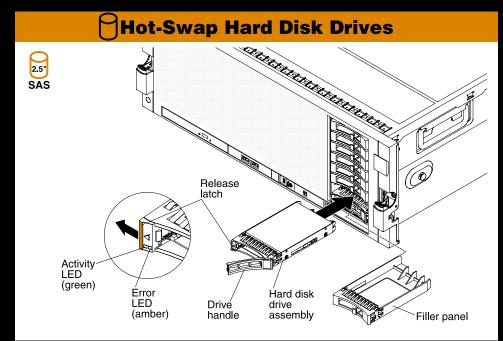




419.34 mm





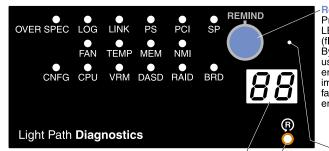


Light Path Diagnostics

3 and 6

2 and 7

4 and 5



2nd pair

Press to put the system error LED into the Remind mode lashes every 2 seconds). By pressing the button, the user acknowledges a system error but does not take immediate action. If a new failure occurs, the system error LED will turn on again.

Checkpoint code indicator

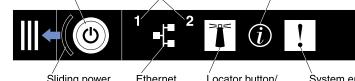
Reset button NMI button

LED	Description	Action
SPEC	Power supplies are over their max rating.	Add power supply option if only one is installed. Replace failed power supply. Use 220V AC input power. Remove optional devices.
LOG	Information is present in the System Event Log.	Read information in the System Event Log and take appropriate action. The Remind Button also turns off the System Information LED and the LOG LED.
LINK	QPI Expansion port or cable fault. (scaled systems only)	Check QPI Expansion port link LEDs to identify failed port or cable (LED above QPI port off = problem). Reseat cable. Replace cable.
PS	Power supply has failed.	Check power supply AC, DC, and Error LEDs. Reseat installed power supplies. Replace failed power supply.
PCI	Error on indicated PCI bus.	Check system error log and I/O board LEDs to identify failing bus. Replace failed card.
SP	Service processor error.	Update firmware on uEFI and IMM. Power down, disconnect AC power, then restart system.
FAN	Fan failure.	Check LEDs on hot swap fans. Ensure indicated fan is seated properly. Replace indicated fan. Ensure all fans are installed.
TEMP	Temperature threshold has been exceeded.	Ensure all fans are seated properly and replace any failed fans. Ensure that room temperature is not too high. Ensure that no air vents are blocked and system cover is installed. Have system serviced.
MEM	Memory error has occurred.	Remove memory card with lit error LED on top of card. Press Light Path button on memory card to identify failed card or DIMM. Reseat DIMM(s) in slots with lit error LEDs. Replace DIMM(s) and/or replace memory card as indicated.
NMI	Machine check error occurred.	Check system error log. Reboot system.
CNFG	Hardware configuration error occurred.	Check other LEDs on lightpath panel and subsystem LEDs on or next to the devices that are configured incorrectly. Check that the microprocessors installed match each other in clock speed, cache size and type, and have identical internal and external clock frequencies. Check that adapter cards are only installed in slots 5-7 if no CPUs are in socket 3 or 4. Check system error log. Check memory configuration.
CPU	Microprocessor has failed.	Check microprocessor board LEDs to identify failed CPU. Reseat CPU. Replace failed CPU.
VRM	Reserved.	Reserved.
DASD	Hard disk drive error.	Replace drive with lit error LED. Drive is missing and should be reinserted in the same location. Replace DASD backplane.
RAID	Reserved.	Reserved.
BRD	Indicated board error detected.	Check system error log. Reboot system. Check PCIe and CPU board error LEDs. Replace indicated board.
NOTE: Light Path buttons on the memory cards will light LEDs for failed components after card is removed from the system.		

Operator Information Panel



System information LED (amber)



Red Outline is for Die Cut ONLY!

Ethernet Locator button/ LED (green) locator LED (blue)

2. Ink colors to match PMS Black, PMS 2718C, and PMS 1525C. 3. Refer to label print part number 59Y4648 for manufacturing and

Must conform to Eng. Spec: 80X2324 Tolerances unless noted: Linear ± 0.3



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