

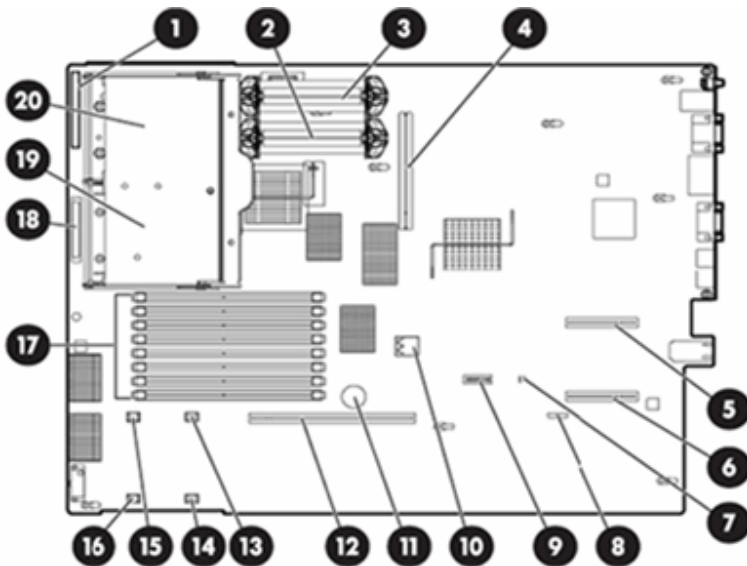
HP ProLiant DL380 G5 Server - Configuring System Board

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System Board Components

Figure 1: System Board Components:



Item	Description	Item	Description
1	Fan board connector	11	System battery
2	PPM 1	12	PCI riser cage connector
3	PPM 2	13	Fan 4 connector
4	Power supply backplane connector	14	Fan 2 connector
5	PCIe slot 1	15	Fan 3 connector
6	PCIe slot 2	16	Fan 1 connector
7	NMI jumper	17	FBDIMM slots (1-8)
8	iLO 2 diagnostic LEDs	18	Multibay interface connector
9	System maintenance switch	19	Processor socket 1

Item	Description	Item	Description
10	Internal USB connector*	20	Processor socket 2

* The lower USB connector is unavailable.

System Maintenance Switch

Position	Default	Function
S1	Off	Off = iLO 2 security is enabled. On = iLO 2 security is disabled.
S2	Off	Off = System configuration can be modified. On = System configuration is locked and cannot be modified.
S3	Off	Reserved
S4	Off	Reserved
S5	Off	Off = Power-on password is enabled. On = Power-on password is disabled.
S6	Off	Off = Normal On = ROM treats system configuration as invalid.
S7	Off	Reserved
S8	Off	Reserved

When the system maintenance switch position 6 is set to the On position, the system is prepared to erase all system configuration settings from both CMOS and NVRAM.

CAUTION: Clearing CMOS and/or NVRAM deletes configuration information. Be sure to properly configure the server or data loss could occur.

NMI Jumper

The NMI jumper allows administrators to perform a memory dump before performing a hard reset. Crash dump analysis is an essential part of eliminating reliability problems, such as hangs or crashes in OSs, device drivers, and applications. Many crashes can freeze a system, requiring a hard reset. Resetting the system erases any information that would support root cause analysis.

Systems running Microsoft Windows experience a blue-screen trap when the OS crashes. When this happens, Microsoft recommends that system administrators perform an NMI event by temporarily shorting the NMI header with a jumper. The NMI event enables a hung system to become responsive again.

Systems Insight Display LEDs and Internal Health LED Combinations

When the internal health LED on the front panel illuminates either amber or red, the server is experiencing a health event. Combinations of illuminated system LEDs and the internal health LED indicate system status.

Systems Insight Display LED and color	Internal health LED color	Status
Processor failure, socket X (amber)	Red	<p>One or more of the following conditions may exist:</p> <ul style="list-style-type: none"> Processor in socket X has failed. Processor X is not installed in the socket. Processor X is unsupported. ROM detects a failed processor during POST
	Amber	Processor in socket X is in a pre-failure condition.
PPM failure, slot X (amber)	Red	<p>One or more of the following conditions may exist:</p> <ul style="list-style-type: none"> PPM in slot X has failed. PPM is not installed in slot X, but the corresponding processor is installed.
FBDIMM failure, slot X (amber)	Red	FBDIMM in slot X has failed.
	Amber	FBDIMM in slot X is in a pre-failure condition.
FBDIMM failure, all slots in one bank (amber)	Red	No valid or usable memory in specified bank.
Online spare memory (amber)	Amber	Bank X failed over to the online spare memory bank.
Online spare memory (flashing amber)	Red	Invalid online spare memory configuration.
Online spare memory (green)	Green	Online spare memory enabled and not failed.

Systems Insight Display LED and color	Internal health LED color	Status
Mirrored memory (amber)	Amber	Bank(s) X failed over to the mirrored memory bank(s).
Mirrored memory (flashing amber)	Red	Invalid mirrored memory configuration.
Mirrored memory (green)	Green	Mirrored memory enabled and not failed.
Overtemperature (amber)	Amber	The Health Driver has detected a cautionary temperature level.
	Red	The server has detected a hardware critical temperature level.
Riser interlock (amber)	Red	PCI riser cage is not seated.
Fan (amber)	Amber	One fan is failed or removed.
	Red	Two or more fans have failed or are removed.

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