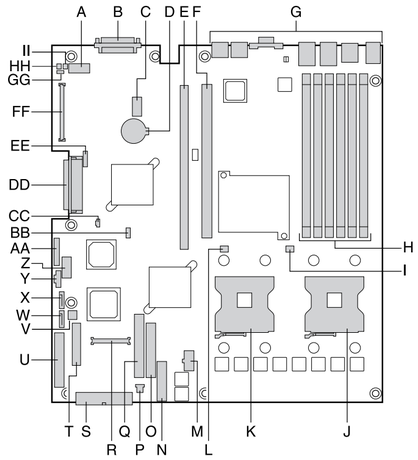
Side 2

Reference

Server Board Component Layout

A: Serial Port A
B: SCSI LVD Channel B
C: OEM RMC Connector
D: Battery
E: FL Connector
F: LP Connector
G: Backpanel I/O Connectors
H: DIMM Sockets[six]
I: CPU 1 Fan Connector
J: CPU 1
K: CPU 2
L: CPU 2 Fan Connector
M: CPU Power Connector
N: Fan Connector
O: Floppy Drive Connector
P: PCI Fan Connector
Q: IDE Connector
R: 100 Pin Floppy/FP/ATA Connector

S: Main Power
T: Front Panel Connector
U: Front Panel Connector
V: Configuration Jumpers
W: SATA A1
X: SATA A0
Y: Auxiliary Power Connector
Z: USB 4/5 Connector
AA: Front Panel USB
BB: IPMB Connector
CC: IDE Power Connector
DD: SCSI LVD Channel A
EE: ICMB Connector
FF: IMM Connector
GG: BIOS Select Jumper
HH: Chassis Intrusion Header
II: HDD LED



Making Connections to the Server Board ... *Quick Reference*

Required Connections for Selected Chassis

	SR1400	SR2400
E. +12V CPU Power Connector	■	■
J. Main Power Connector	■	■
K. Front Panel Connector	■	■
M. Auxiliary Power Connector	■	■

■ = Make this connection

CPU/System Fan Connections for Selected Chassis

	SR1400	SR2400
C. CPU1 Fan Header [right]	⃠	⃠
D. CPU2 Fan Header [left]	⃠	⃠
F. System Fan Module Header	■	■
H. PCI Fan Connector	*optional*	*optional*

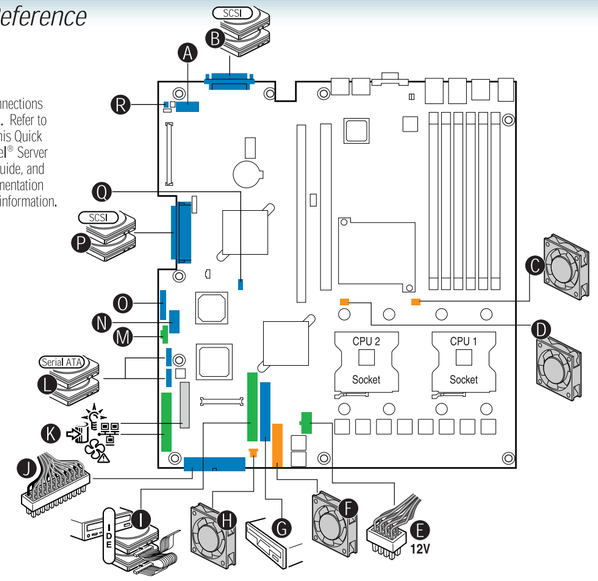
⃠ = Do not connect
■ = Make this connection

Optional Connections for Selected Chassis

	SR1400	SR2400
A. Serial Port A	■	■
B. SCSI Connector	■	■
G. Floppy Drive	■	■
I. Primary IDE Connector	■	■
L. Serial ATA Connectors	■	■
N. USB 4/5 Connector	■	■
O. Front USB Header	■	■
P. SCSI LVD Channel A	■	■
Q. IPMB Connector	■	■
R. Chassis Intrusion	■	■

■ = Make this connection

Note: Not all optional connections are shown in this diagram. Refer to the Reference section of this Quick Start User Guide, your Intel® Server Board SE7520JR2 User Guide, and your server chassis documentation for additional connection information.



Common Problems and Solutions

For a list of hardware components that have been tested with this system, see: http://support.intel.com/support/motherboards/server/se7520jr2/

The system does not boot or show video at power-on.
- Check that +12V CPU power connector is plugged in. Without this cable the processors will not have any power.
- If configuring with only one processor verify that the processor is in the Primary Processor socket (CPU 1).
- Remove and replace DIMMs one bank at a time to isolate which one is causing problems.
- Remember, all DIMMs must be:
  - DDR-2 400-compliant registered SDRAM 184-pin gold DIMMs for SKUs SE7520JR2SCSID2 or SE7520JR2SATAD2
  - DDR266/333-compliant registered SDRAM 184-pin gold DIMMs for SKUs SE7520JR2SCSID1 or SE7520JR2SATAD1
  - The same speed.
  - From the same manufacturer.
  - Installed in pairs, beginning with DIMM 1A and DIMM1B.
  - Installed with no empty sockets in between filled sockets.
- Your power supply must provide a minimum of 450W with 2A standby current, which complies with the SSI EPS 12V specification.

The system sometimes works, but is exhibiting erratic behavior.
- This is typically the result of using an under-rated power supply. Make sure you are using at least a 450W power supply.

Accessories and Order Codes	
Intel Server Chassis SR2400	SR2400
2U SCSI Backplane	A2400SCSIKIT
2U SATA Backplane	A2400SATAKIT
2U PCI-Express Riser	ADRPCIEXPR
2U PCI-X Riser	ADRPCIXRIS
2U PCI-X Active Riser	ADRACTRIS
SR2400 Redundant Cooling Kit	ADRREDFANS
Intel Server Chassis SR1400	SR1400
1U SCSI Backplane	A1400SCSIKIT
1U SATA Backplane	A1400SATAKIT
1U PCI-Express Riser	ADWPCIEXPR
1U PCI-X Riser	ADWPCIXR
Fixed Drive Kit	AFIXDRVKIT
SR1400/SR2400 Standard Local Control Panel	AXXRACKFP
Bezel for SR1400/SR2400 Standard Local Control Panel	ADWBEZBLACK
SR1400/SR2400 Intel Local Control Panel	AXXLCPRACK
Bezel for SR1400/SR2400 Intel Local Control Panel	ADWLCDBEZEL
SR1400/SR2400 Tool-less Rail Kit	AXXHERAIL
SR1400/SR2400 Cable Management Arm	AXXRACKCARM
Fixed Rack Brackets	FXXBRACKETS

A complete list of accessories and spares can be found at: www.intel.com/go/serverbuilder