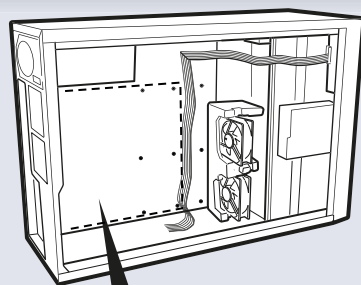
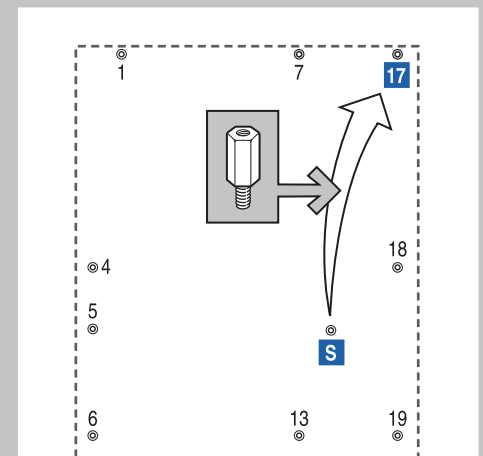


## 6 Configuring Chassis Standoffs

Continue from front side

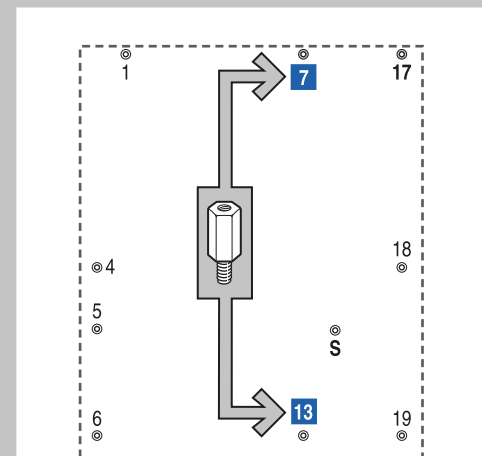


### A Move Existing Standoff



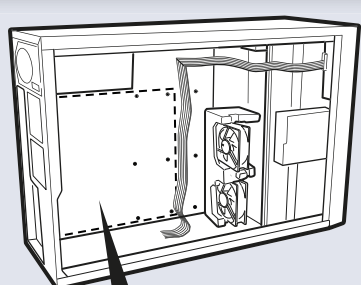
**Instructions:**  
For the Intel SC5100 chassis: Remove the standoff from position S and move it to position 17. Standoff numbering in other chassis may be different.

### B Install New Standoffs



**Instructions:**  
For the Intel SC5100 chassis: Install standoffs in positions 7 and 13. Standoffs are included with your chassis. Standoff numbering in other chassis may be different.

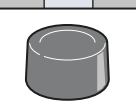
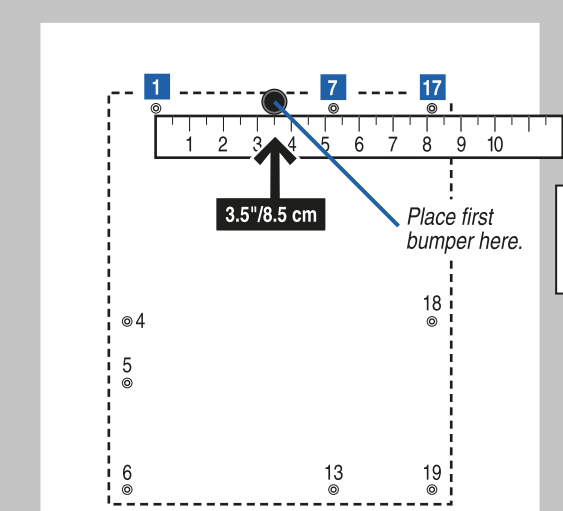
## 7 Installing Rubber Bumpers



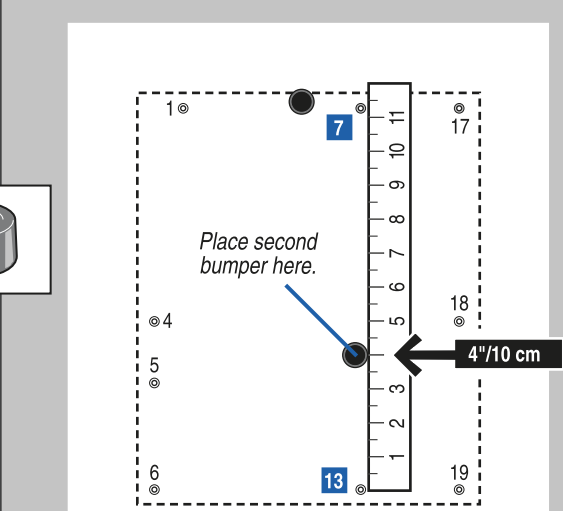
For the Intel SC5100 chassis:

1. Measure and mark the bumper placement locations in your chassis by placing your ruler against the standoffs as shown in each step.
2. Remove the backing from the bumpers and press firmly into position. Rubber Bumpers are included with your chassis.

### A Measure and Install Step #1



### B Measure and Install Step #2

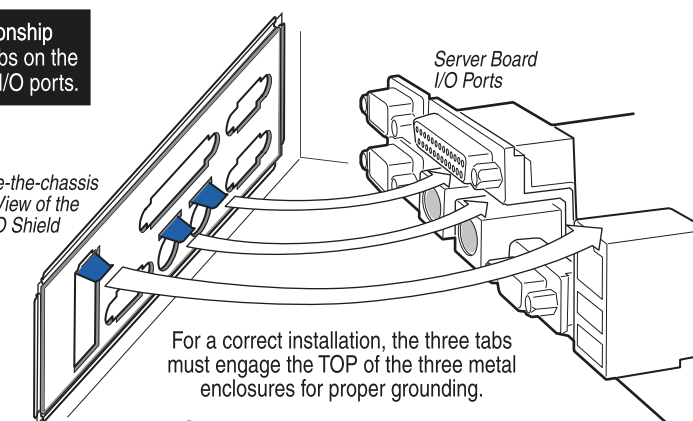


## 8 Installing the Server Board

### Engaging the Grounding Tabs

This illustration shows the relationship between the metal grounding tabs on the I/O shield and the server board I/O ports.

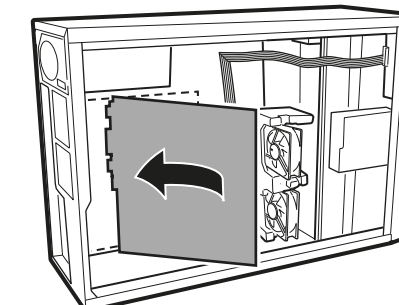
Inside-the-chassis View of the I/O Shield



For a correct installation, the three tabs must engage the TOP of the three metal enclosures for proper grounding.

**Caution:** Be careful not to bend the metal tabs on the I/O shield.

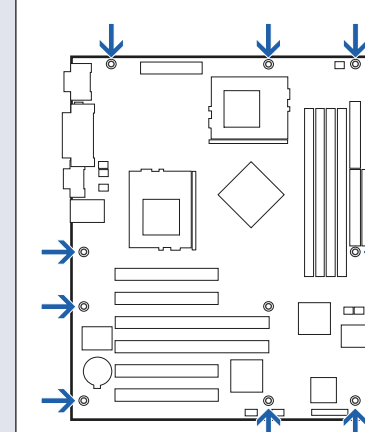
### A Placing the Board into the Chassis



While placing the board into the chassis, carefully position the Board's I/O connectors into the openings in the I/O shield on the back of the chassis.

**Caution:** Be careful not to bend the metal tabs on the I/O shield.

### B Attaching the Server Board

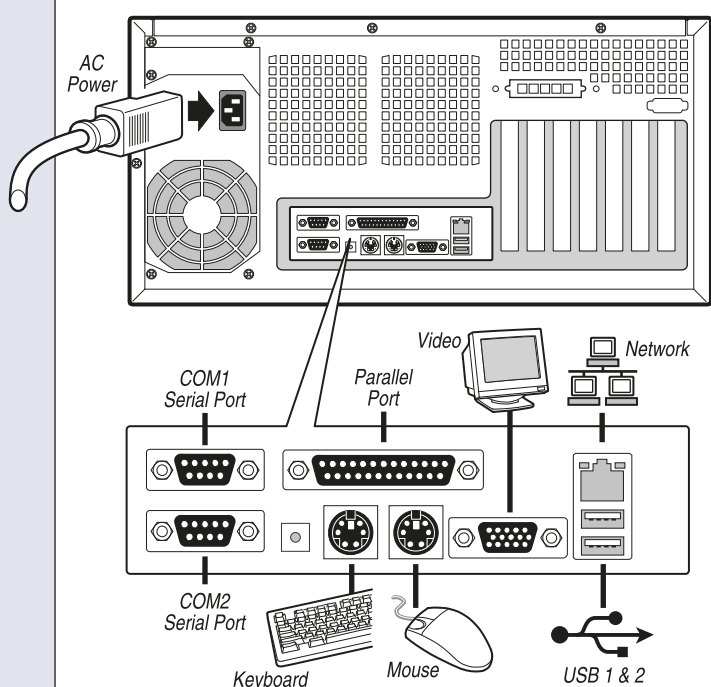


1. Position the board to align the mounting holes with the standoffs.
2. Using the screws that came with your chassis, mount the board to the chassis as shown.

## 12 Finishing Up

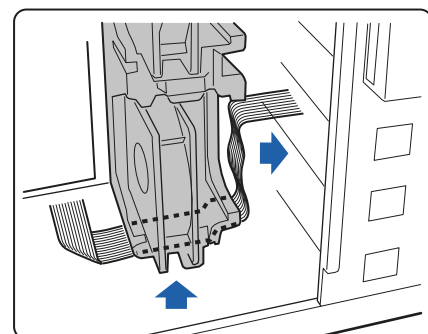
Before installing your operating system, you must finish your chassis installation and connect I/O connectors and AC power.

1. Replace the chassis cover.
2. See your chassis documentation to complete rack or pedestal installation.
3. Connect your keyboard, mouse, video and other I/O cables as shown. Then connect the AC Power cable.



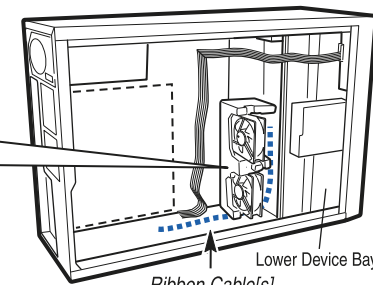
## 11 Cable Routing

### A IDE Cables



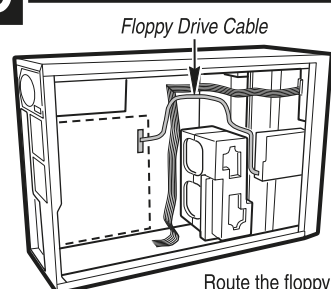
IDE cables that connect to devices in the lower device bays should be routed around the epac as shown.

#### Cabling to Lower Device Bay



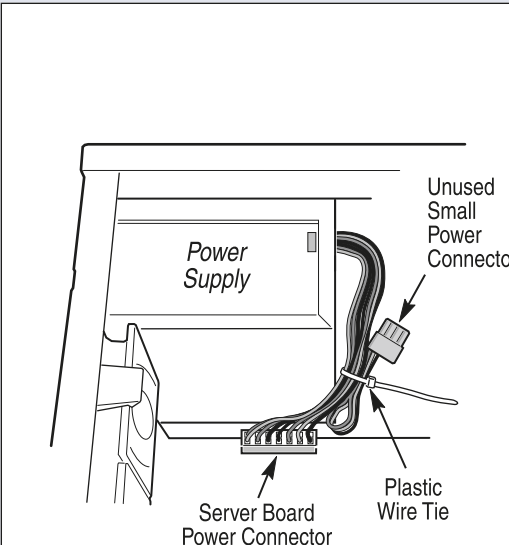
1. Remove the top half of the epac.
2. Route cable[s] as shown.
3. Replace the top half of the epac.

### B Floppy Drive Cable



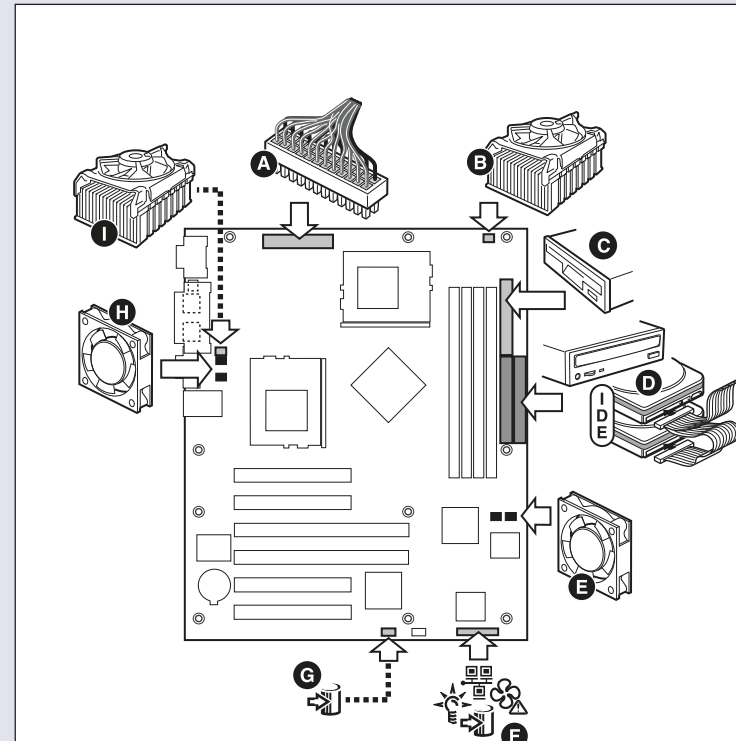
Route the floppy drive cable as shown.

## 10 Securing the Power Connector



The SC5100 chassis comes with an Aux. Power Connector that is not used with this server board. Using the cable-tie provided with the chassis, secure the connector as shown.

## 9 Making Connections to the Server Board



### Server Board Connection Quick Reference:

- A. Primary Power
- B. CPU2 Fan
- C. Floppy Drive
- D. IDE Primary/Secondary
- E. Chassis Fans[2]
- F. Front Panel
- G. HDD LED
- H. Chassis Fans[2]
- I. CPU1 Fan

## Reference

### Common Problems and Solutions

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 250 W power supply.

The system does not boot or show video at power on.

- If configuring with only one processor, verify that the processor is in the Primary Processor socket.
- Beep code 1-3-3-1 means you have unrecognized or bad memory. Remove and replace DIMMs one at a time to isolate which one is causing problems.
- Remember, all DIMMs must be:
  - Registered PC133 compliant
  - The same speed
  - From the same manufacturer
  - Installed beginning with DIMM 1
  - Installed with no empty sockets in between
- Your power supply must provide 0.8 A of +5 V Standby current to support WOL. If the standby current is not present, your board will not boot.

### Accessories and Order Codes

Item	Product Code
Intel® Server Board SAI2	SAI2
Intel® Server Chassis SC5100 Base Chassis	KHD2BASE300
Intel® Server Chassis SC5100 Rack Conversion Kit	KHD2RACK
Intel® Server Chassis SC5100 Chassis Spares Kit	FHD2SPRS
Intel® RAID Controller SRCU31	BOXSRCU31
Intel® RAID Controller SRCU31-L	SRCU31-L
Intel® RAID Controller SRCU32	SRCU32

### Component Descriptions

- A 33 MHz/32-bit PCI connectors[4]
- B 66 MHz/64-bit PCI connectors[2]
- C Primary processor connector (CPU1)
- D Back panel connectors
- E Primary processor heatsink fan connector (J10)
- F Fan 5 connector (J7)
- G Fan 6 connector (J14)
- H Main power connector (Main Power)
- I Secondary processor connector (CPU2)
- J CNB30LE (North Bridge)
- K DIMM slots (DIMM1 - DIMM4)
- L Secondary processor heatsink fan connector (J9)
- M Floppy drive connector (FDD)
- N Primary IDE connector (PRI\_IDE)
- O Secondary IDE connector (SEC\_IDE)
- P Fan 3 connector (J11)
- Q Fan 4 connector (J8)
- R CSB5 (South Bridge)
- S Front panel connector (FRONT\_PANEL\_HDR)
- T Configuration jumper block (JP5)
- U HDD LED (J12)
- V Battery

