

# intel® Technical Advisory

TA-569-1

5200 NE Elam Young Parkway  
Hillsboro, OR 97124

August 8, 2002

## Main Power connector latch on SE7500CW2 not long enough for all power supplies

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### Products Affected

PBA	TA	MM#	Prod Code
A87967-502	A88031-502	845413	BCWBB (rev 01)
A87967-502	A88029-001	845398	SE7500CW2
A87967-503	A88031-503	845413	BCWBB (rev 01)
A87967-503	A88029-002	845398	SE7500CW2
A87967-503	A88030-001	845399	SE7500CW2SCSI
A87967-504	A88031-504	849413	BCWBB (rev 01)
A87967-504	A88029-003	845398	SE7500CW2
A87967-504	A88030-002	845399	SE7500CW2SCSI
A87967-505	A88031-505	849161	BCWBB (rev 01)
A87967-505	A88029-004	845398	SE7500CW2
A87967-505	A88030-003	845399	SE7500CW2SCSI

### Description

The SE7500CW2 server board is currently shipping with an incorrect version of main 24-pin SSI power supply connector and 8-pin +12V connector on the board. The version that is on these boards has a shorter retention latch and may not allow ATX style power supplies to lock securely into place when installed. Since ATX power supplies use only a 20-pin power connector, the latch for this connector is off center and may not engage when inserted into a 24-pin SSI power connector found on most Intel server boards. This could cause the power supply connector to become unseated when the system is shipped or when it is handled extensively.

### Root Cause

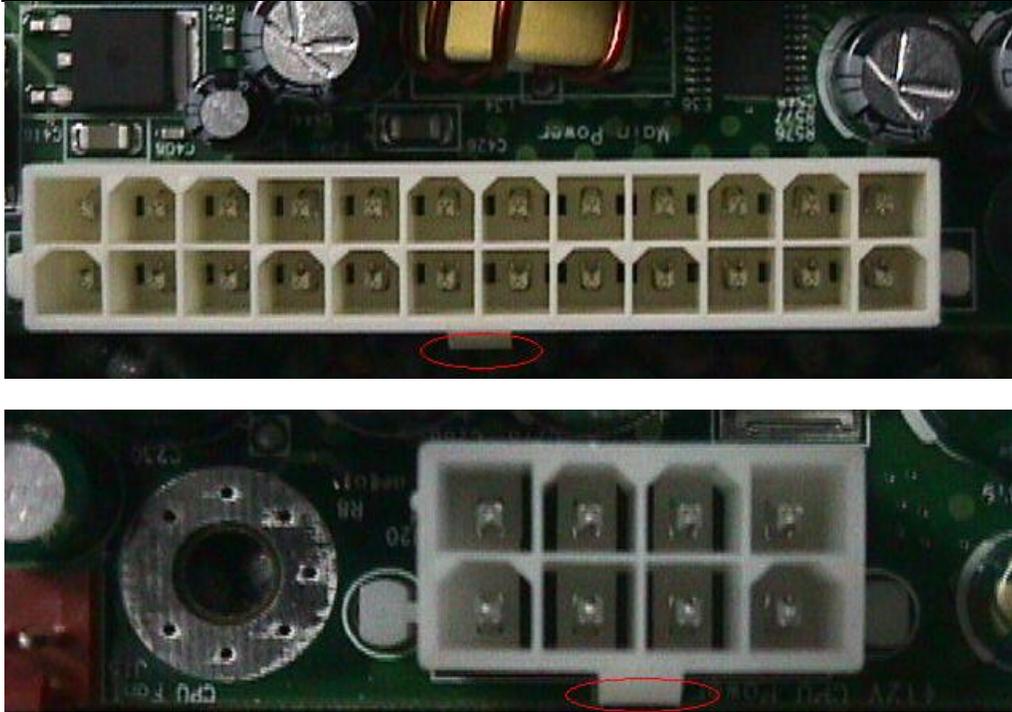
The shortened latch is in the wrong location for a 20-pin ATX power plug. On a power supply connector, the power plug latch is usually centered on the connector. Intel uses a 24-pin main power connector with the latch centered between pins 12 and 13. If a customer were to plug a 20-pin ATX power supply into this connector, the latch on that connector is centered between pins 10 and 11. This is off center enough that it won't engage the latch on the 24-pin connector. To resolve this, Intel uses a 24-pin power connector with an extended latch that would accommodate either a 24-pin or 20-pin power plug. This connector is not on the current boards mentioned above.

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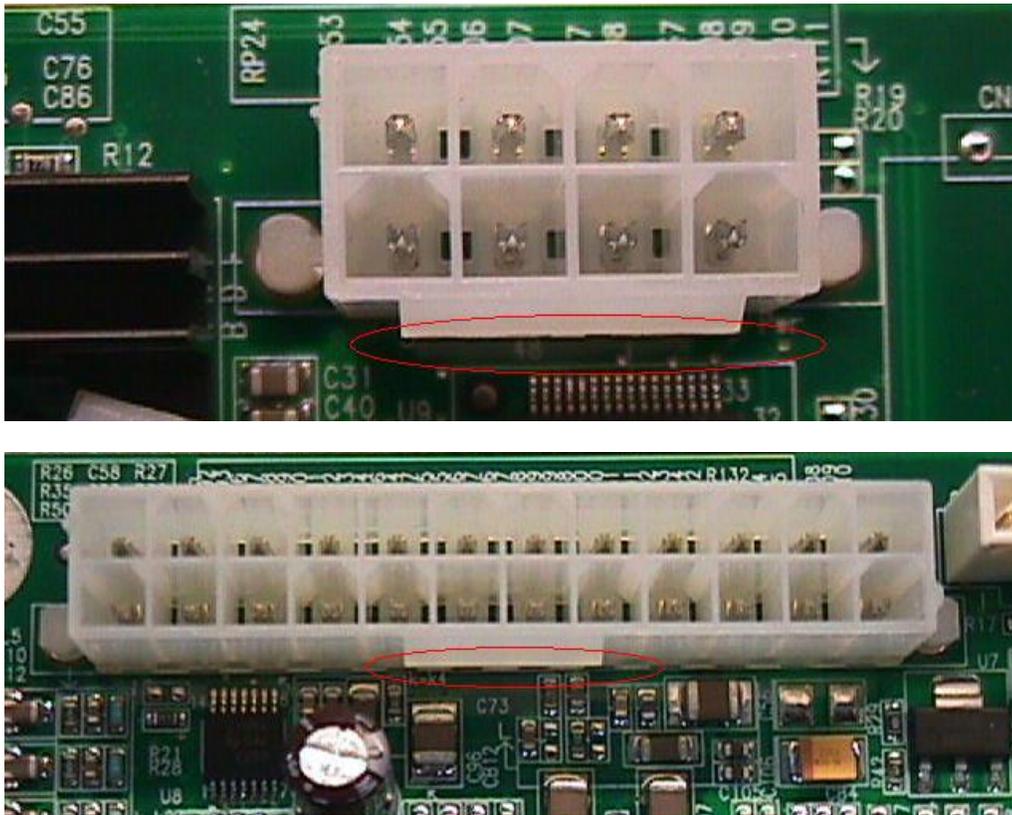
**Figure 1:** Pictures of the current 24-pin and 8-pin connectors on the SE7500CW2 board.

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**Figure 2:** Sample of what the power-supply connectors will look like on the A87967-506 and above baseboards. Notice the latch is much wider than what is currently on the SE7500CW2 server board.

## Corrective Action / Resolution

Intel will be putting the correct power supply connector on boards starting on the -506 board PBA revision. This change will likely take place in October, 2002. Please refer to this Technical Advisory for any updates to this implementation date.

PBA	TA	MM#	Prod Code
A87967-506	A88031-506	TBD	BCWBB (rev 01)
A87967-506	A88029-005	845398	SE7500CW2
A87967-506	A88030-004	845399	SE7500CW2SCSI

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## **Workaround**

When using –502/503/504/505 boards and ATX power supplies, ensure the power plug is fully seated when the system arrives at its final destination.

Please contact your Intel Sales Representative if you require more specific information about this issue.

Enterprise Platforms & Services Division  
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