

intel® Technical Advisory

TA-547-1

5200 NE Elam Young Parkway
Hillsboro, OR 97124

April 26, 1999

TSRLT2 & TSRMT2 Excessive Stress on the CD-ROM/Floppy Flex Cable during Integration or Service may cause an "Open" (Break) in the Cable.

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Products Affected

TLA0100,	TLD0100,	TMA0100,	TMD0100
TLA0101,	TLD0101,	TMA0101,	TMD0101

Description

On the TSRLT2 & TSRMT2 systems, acute or excessive bending of the flex cable during integration or service can cause an "open" (break) in the cable. An "open" in the flex cable will cause either one or both of the supported peripherals (CD-ROM, floppy drive) to lose functionality.

Root Cause

During integration or service of the system, two areas of the flex cable are more prone to break: the solder pads around the CD-ROM connector, and the fingers that plug into the zero insertion force (ZIF) socket on the floppy drive. Excessive or extreme bending of the flex cable, especially in the area above the CD-ROM connector can lead to an open. Also bending the metal fingers that plug into the ZIF socket on the floppy drive can cause one or more of the fingers to crack.

Corrective Action / Resolution

The design of the cable has been enhanced to make it more rugged. Epoxy has been added along the top and bottom edges of the CD-ROM connector to minimize the possibility of stressing the solder pad connection(s) to the circuit. The Mylar has been extended approximately 0.05" further down the FDD connection fingers. The metal used in the FDD connection fingers has been changed from nickel-gold to tin-lead. Pre-bend "hinges" have been added to the CD-ROM & FDD connector finger bend line locations. Bend instructions have been silk-screened onto the cable to reinforce correct handling during integration and service operations.

To identify a flex cable, refer to the Intel P/N A69258-00x printed on the cable. The original flex cable is labeled Intel P/N A69258-001, and the new flex cable is labeled Intel P/N A69258-002. Original flex cables (Intel P/N A69258-001) that are installed and functional may remain in service providing connectivity indefinitely. If additional integration or handling of the flex cable is required then it is recommended to replace the original cable (Intel P/N A69258-001) with the new cable (Intel P/N A69258-002).

Refer to the documents Intel P/N A95658-00x and P/N A87353-00x for detailed information on proper cable handling and installation. These documents are an attachment to this TA, packaged with the replacement cables, and packaged with the single server SKUs.

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To obtain a replacement cable(s), use your normal warranty support process. Please reference this document (TA-547-1); specify the quantity of cable(s) needed, part number (A69258-002) and corresponding system serial numbers. The replacement cable(s) are provided at no charge, cable installation is the customer's responsibility.

Cable(s) will be shipped "next business day" in the USA. Please return old cables per the normal process within 30 days.

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

Enterprise Platforms & Services Division
Intel Corporation