



Title: DCX-PCI300H high density connector usage

Products(s): DCX-PCI300H, MC300H, MC320H, MC360H, MC400H, MC500H

Keywords: High density **ID#:** TN1038

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Summary

The DCX-PCI300H motherboard uses two high-density connector assemblies to interface the motion controller to the 'outside world'. It is very important that proper strain relief techniques are used to route the high-density cables.

More Information

The two dual Ultra-SCSI connector assemblies are used to connect as many as 272 signals (4 connectors * 68 contacts) to the 'outside world'. As they exit the computer, if the high-density cables are not 'near' parallel to the controller (with proper strain relief), typical Ultra SCSI cables (with heavy duty metal backshells and 68 twisted / shielded conductors) can exert excessive force on the DCX-PCI300H PCB mounted connectors, causing connector contacts to open.