

To: pete_mclean@maxtor.com
Cc:
Bcc:
From: colegrove@VNET.IBM.COM
Subject: ABCD Jumper Memo in .TXT
Date: Sunday, January 28, 1996 09:51:01 MST
Attach: Headers.822
Certify: N

Pete, I may not be able to get this into Word format in time for the mailing. I whacked out all the formatting codes and turned it into TXT.
Best Regards, DC

January 22, 1996

To: X3T13

From: Daniel J. Colegrove
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Subj: Use of pins A-D on 44-pin connector

The ABCD jumper implementation on IBM Thinkpad systems and IBM Travelstar drives allows drive address selection, cable selection, and power up in standby mode.

The Thinkpad connector implementation is:

No Jumper: Master (Device 0)
A-B: Slave (Device 1)
D-B: Cable Select
C-A: Don't Care (Jumper Park)
C: Standby Mode Control Line

Pin electrical connection:

o o . C A A: tied up to +5V with 10K Ohm
o o . D B B: Open / Low : Device 0
 High : Device 1
C: Open / High : Power on state = Idle
 Low : Power on state = Standby
D: Connected to pin 28 (Cable Select) and tied
 up to +5V with 10K Ohm

While there are several ABCD pin implementations today, causing selection of a standard configuration to be somewhat arbitrary, the committee should take into consideration the current system and drive implementations when selecting a guideline for future design. The Thinkpad/Travelstar implementation

is well defined and in use today.