

X3T9.2 / 92-136

Thomas & Betts

TO: X3T9.2 Committee Members
FROM: Harvey Waltersdorf and Scott Roland
DATE: June 19, 1992
SUBJECT: Internal Non-Shielded Connectors

Several implementors have expressed concern with the presently defined internal tab-and-receptacle connectors for SCSI-2 and SCSI-3. Potential problems that have been identified are as follows:

- Internal cables having unused connectors for future expansion expose "energized" male contacts to a potential shorting situation within the "box".
- Present connector does not offer ejector or retention systems.
- Mass termination to flat ribbon cable (especially Teflon) with true daisy-chain capability is questionable.
- Shroud may be required to properly align halves during blind mating.
- No available strain relief.

Although it may be possible to incorporate features into the present connectors to alleviate some of these problems, it is doubtful that all can be easily resolved. We, however, have a product which is very similar to the existing internal connector that solves all of the above problems.