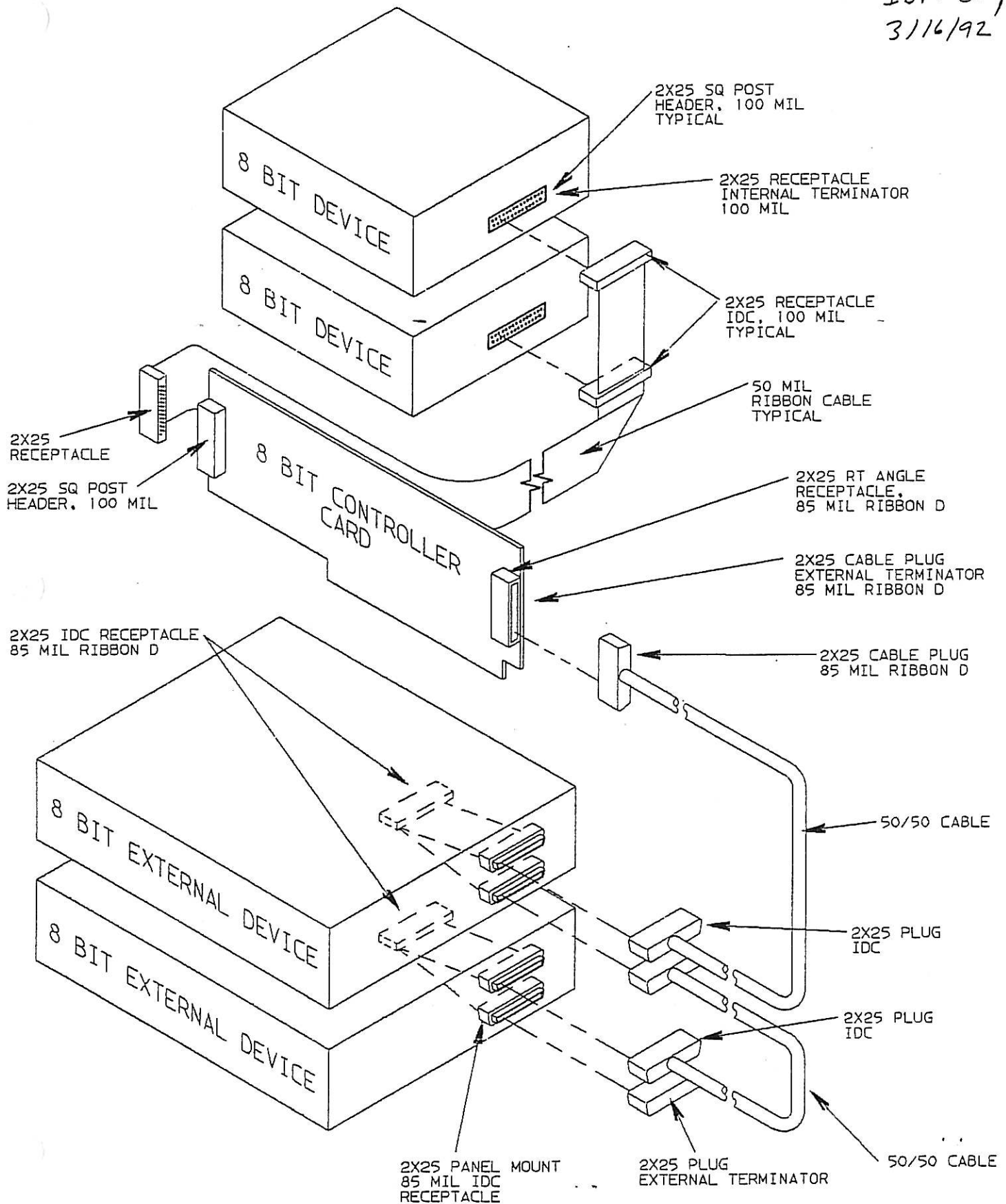
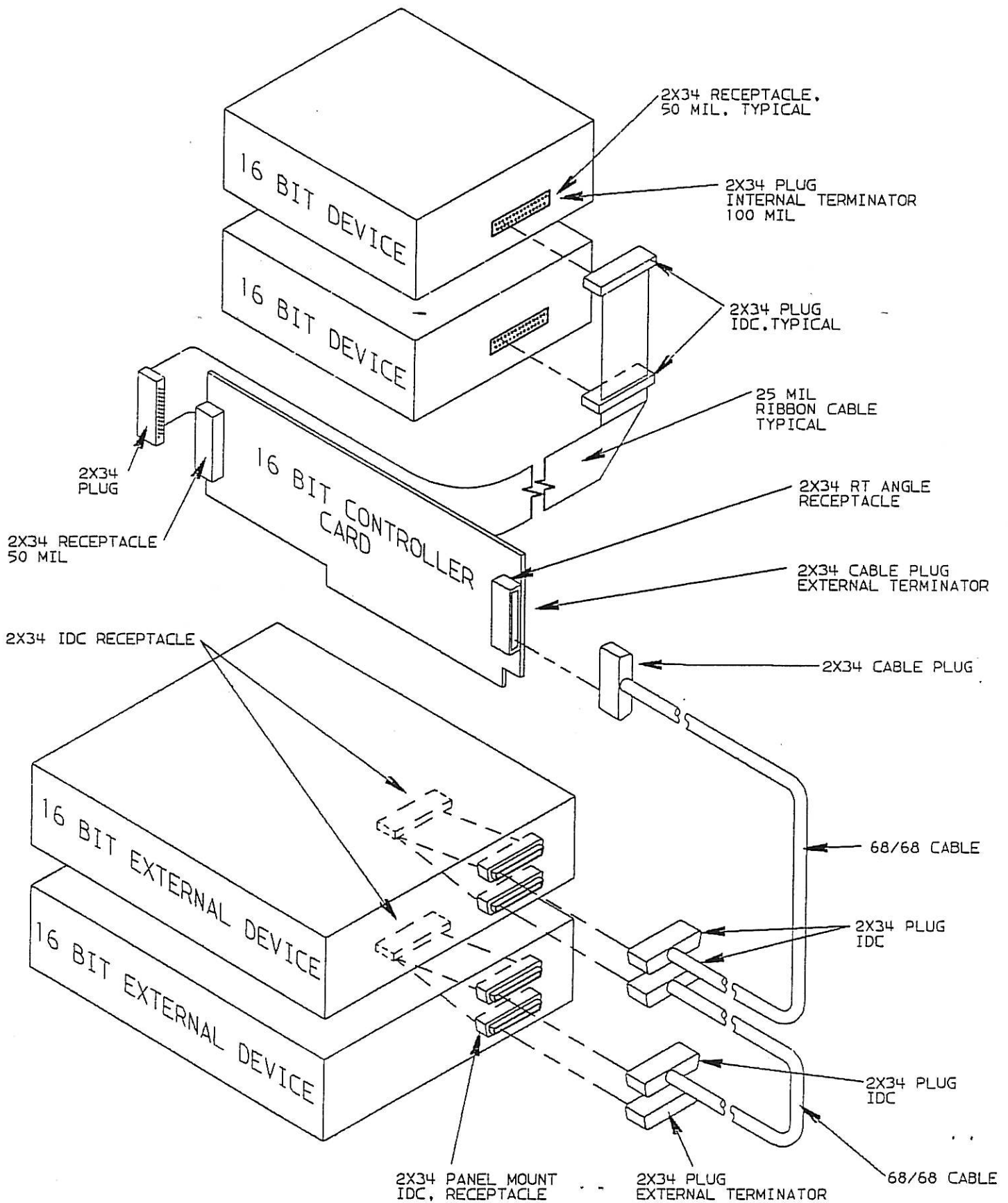


SCSI 1 IMPLEMENTATION X3T9.2/92-51

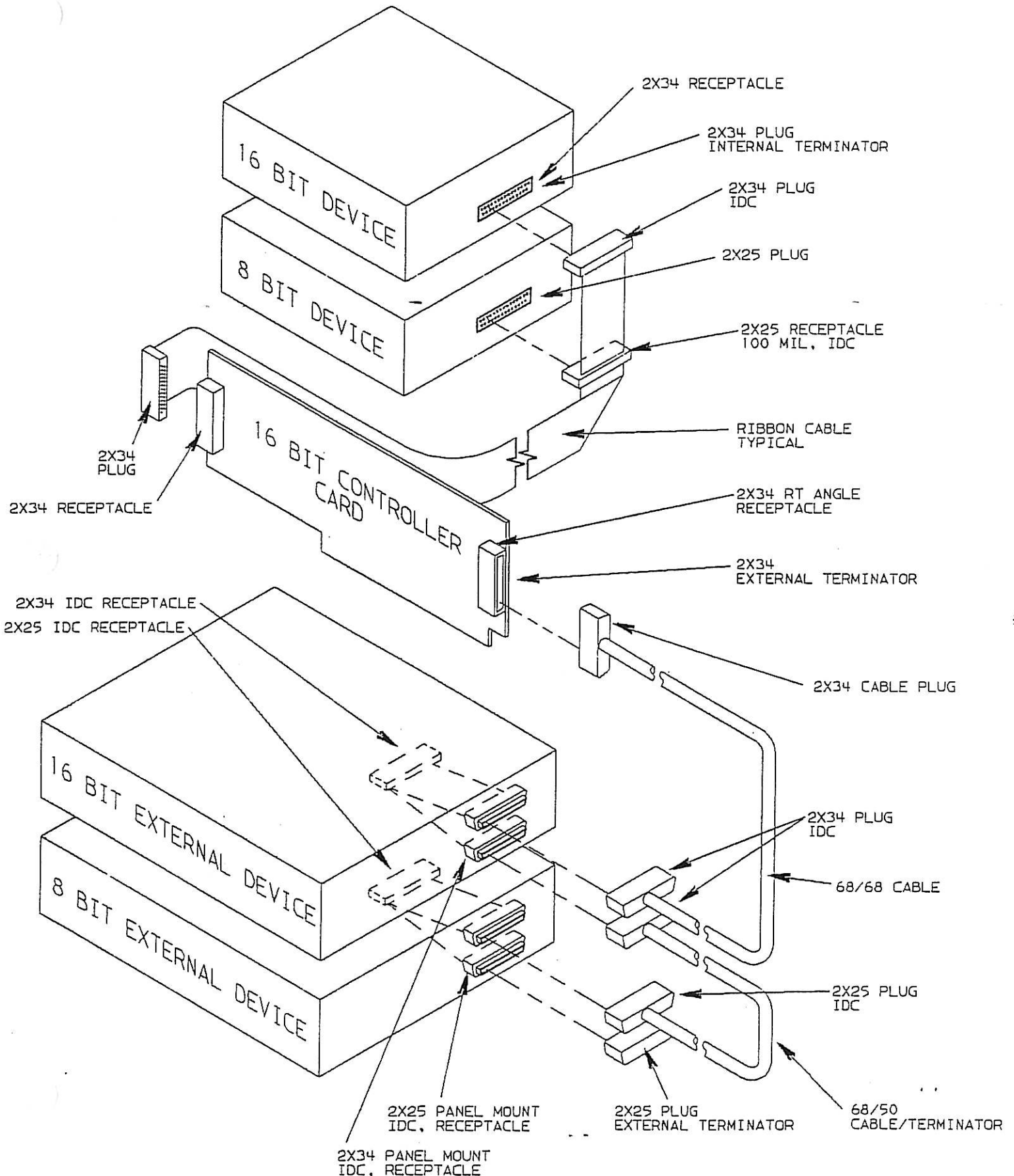
Thomas Newson
IBM Corp.
3/16/92



SCSI 3 IMPLEMENTATION (ALL 16 BIT)



SCSI 3 IMPLEMENTATION (8 & 16 BIT)

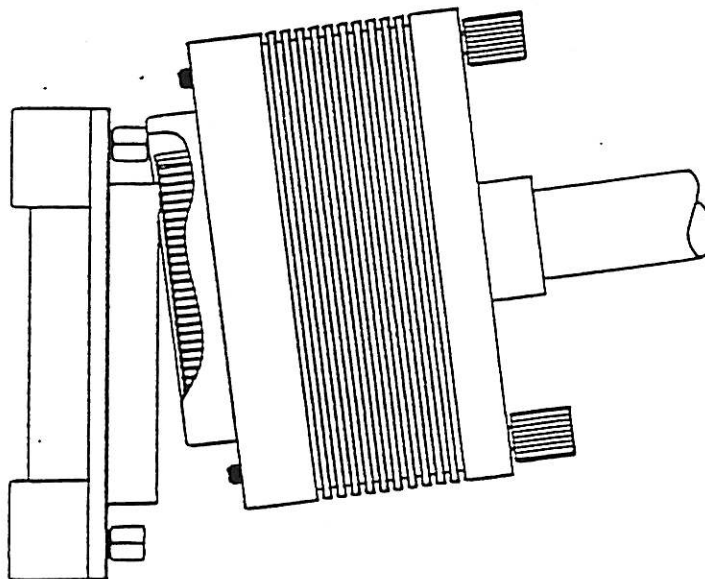


Ribbon I/O

Interconnection System

'BLIND MATE' PROTECTION

*PREVENTS DAMAGE TO CONTACTS
WITHOUT THE NEED FOR A SPECIAL
AUXILLIARY ALIGNMENT GUIDE*

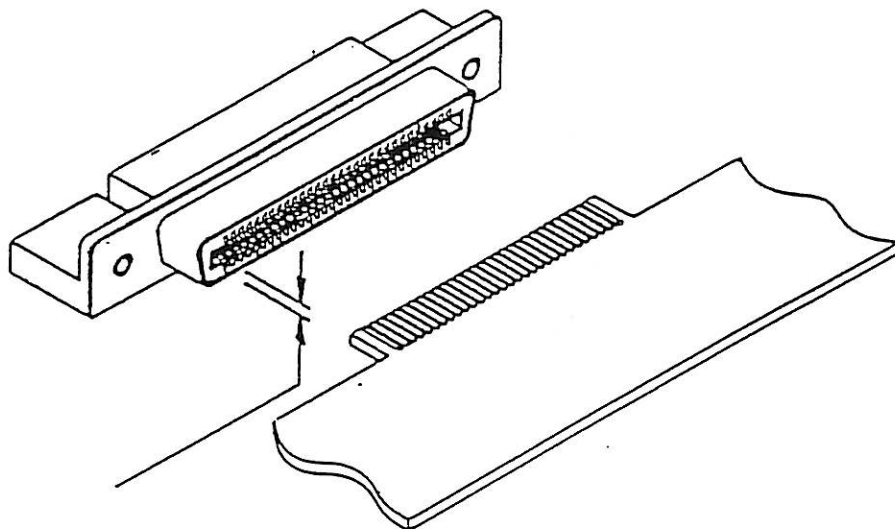


Ribbon I/O

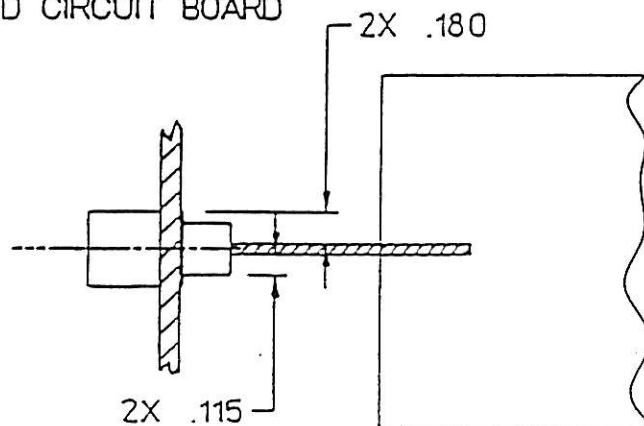
Interconnection System

RECEPTACLE CARD-SLOT DESIGN

*PROVIDES OPTIMUM P.C.B. PROFILE
AND DESIGN FLEXIBILITY*



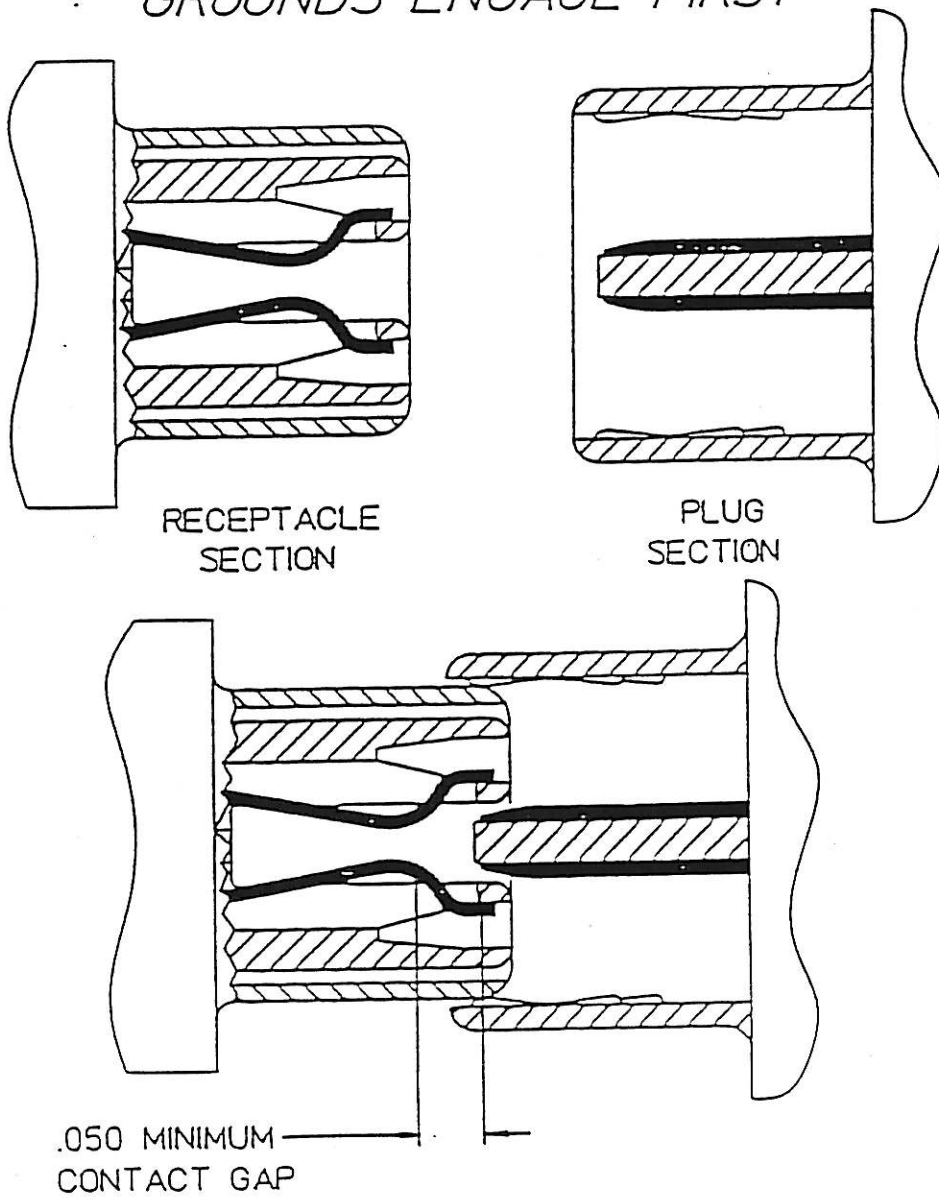
CARD SLOT AND CONTACT DESIGN
ACCOMMODATE $.062 \pm .007$
STANDARD PRINTED CIRCUIT BOARD



Ribbon I/O Interconnection System

FIRST-MAKE, LAST-BREAK FEATURE

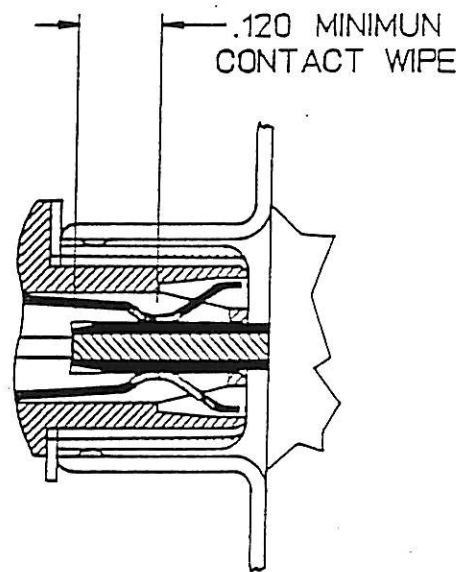
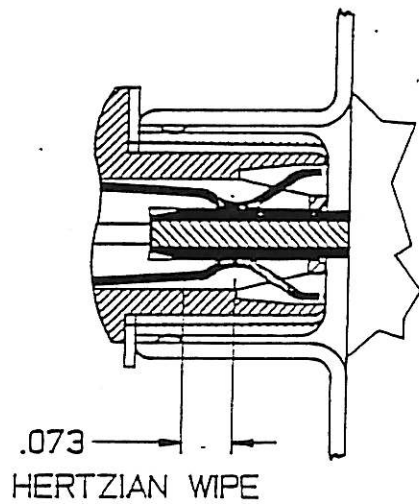
GROUNDS ENGAGE FIRST



Ribbon I/O

Interconnection System

CONTACT WIPE

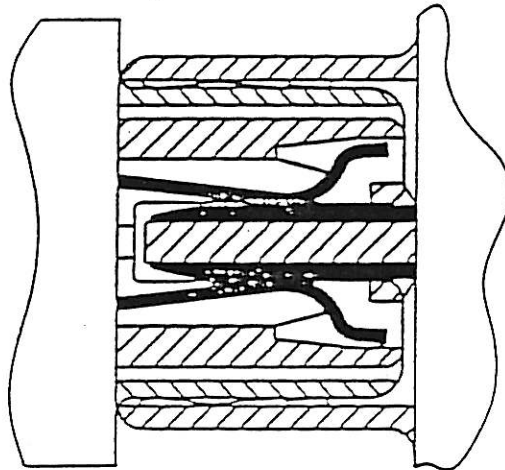


Ribbon I/O

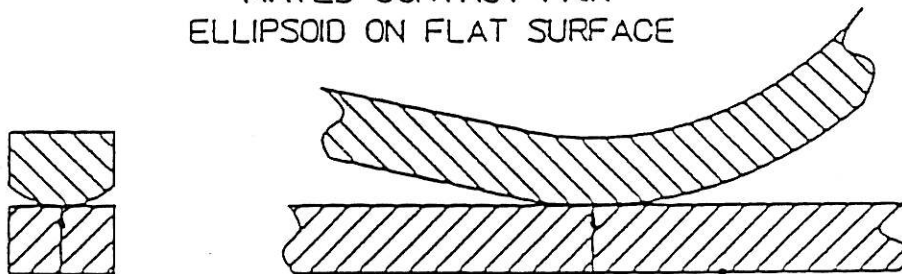
Interconnection System

HERTZ STRESS

*A KEY TO CONSISTENT
AND LONG-TERM RELIABILITY*



MATED CONTACT PAIR
ELLIPSOID ON FLAT SURFACE



150,000 P.S.I. MINIMUM
AT CONTACT INTERFACE
FOR MAXIMUM RELIABILITY
AND CONTACT INTEGRITY

Ribbon I/O

Interconnection System

- **Blind Plugging - Existing 60 Position IBM SCSI**

Field data: Approximately 1,000,000 pieces shipped worldwide; no failures

- **Durability / Cyclability**

- IBM EST requirement for up to 1500 cycles
- ITL Testing (Battelle class 2 environmental)
1500 cycles, less than 10 milliohm delta R
2 suppliers passed; 3rd starting 3/92

- **Intermatability among suppliers**

- Blade (male) controlled in connector drawing/spec
- Shell controlled in connector drawing/spec
- Testing done among 3 suppliers

- **Interchangability among suppliers**

- Footprint controlled in connector drawing/spec
- Retention mechanisms controlled in drawing/spec
- Testing done among 3 suppliers