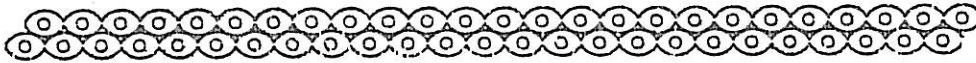


SCSI-2

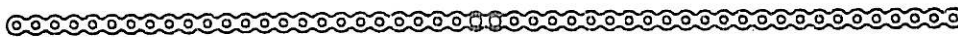
DAISY CHAIN CABLING COMPARISONS

X3T9.2/88-134
B. Whiteman
AMP Inc.

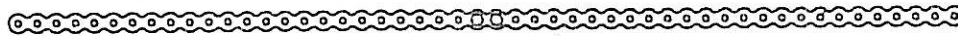
- .050 CENTERLINE DOUBLE LAYER (PVC)
28 AWG



- .025 CENTERLINE (PVC)
30 AWG WITH 28 AWG TERMPWR



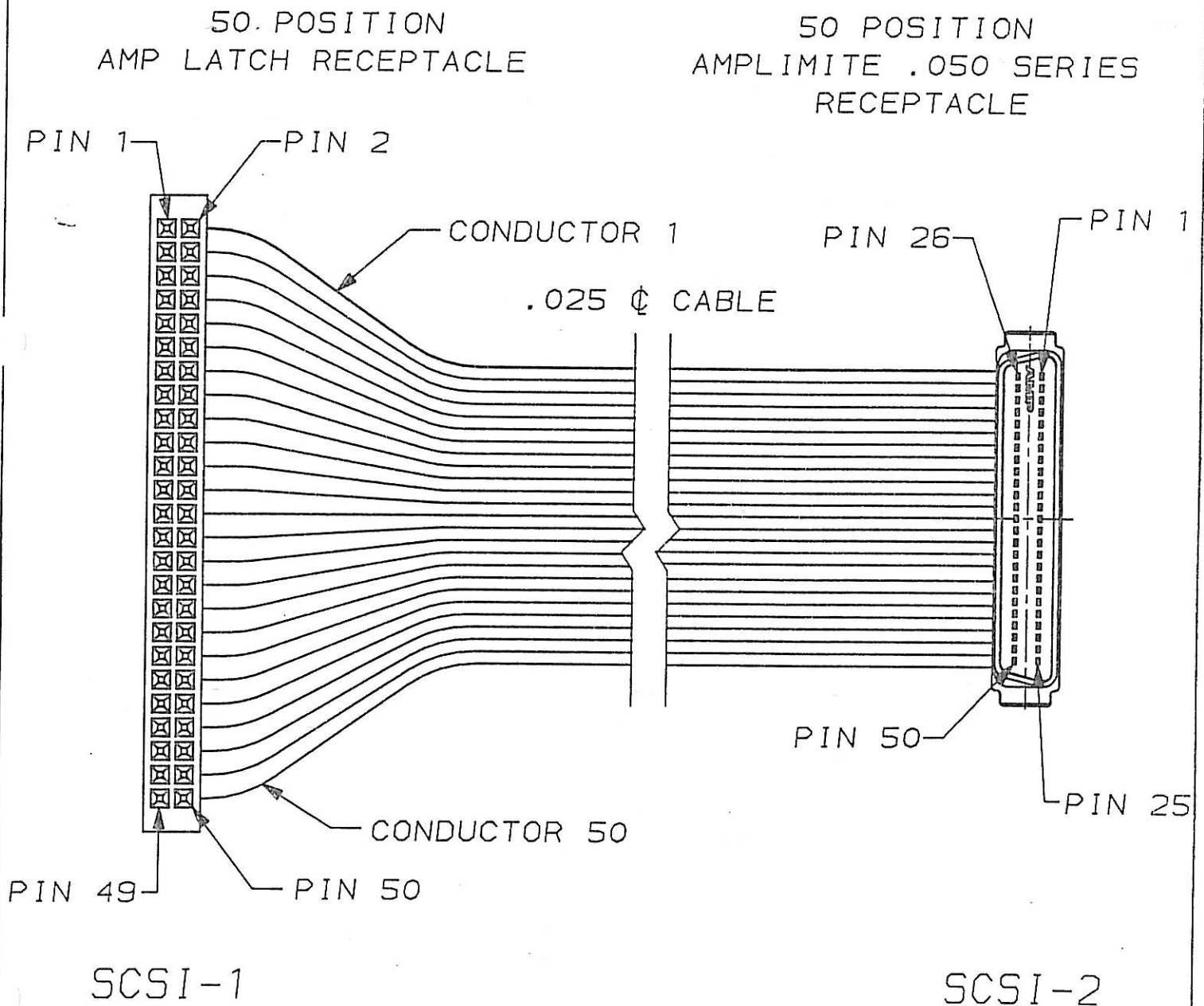
- .025 CENTERLINE (PVC)
32 AWG WITH 28 AWG TERMPWR



IMPEDANCE	93 Ω	75 Ω	78 Ω
CROSSTALK	3.6%	3.2%	15.0%
DC RESISTANCE Ω /M' SIGNAL	176(3.5) Ω	105(2.1) Ω	68(1.3) Ω
TERMPWR	68(1.3) Ω	68(1.3) Ω	68(1.3) Ω

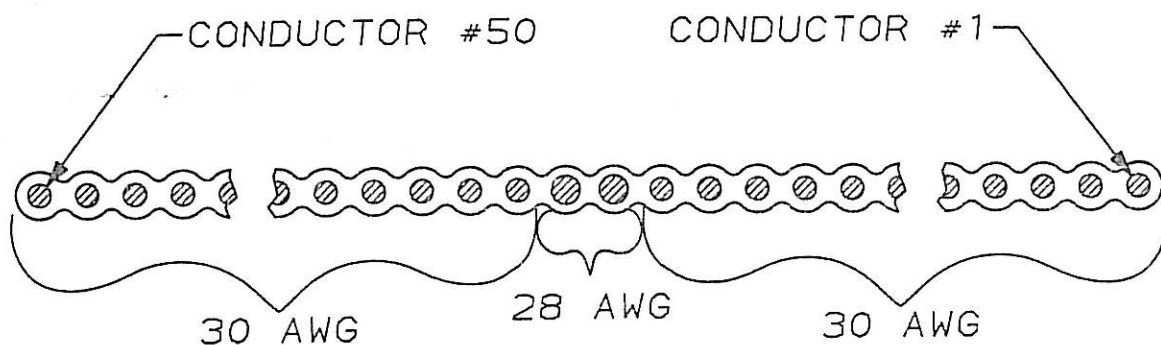
(OHMS/6 METERS)

AMPLIMITE .050 SERIES CONNECTORS TRANSITION CABLE ASSEMBLY



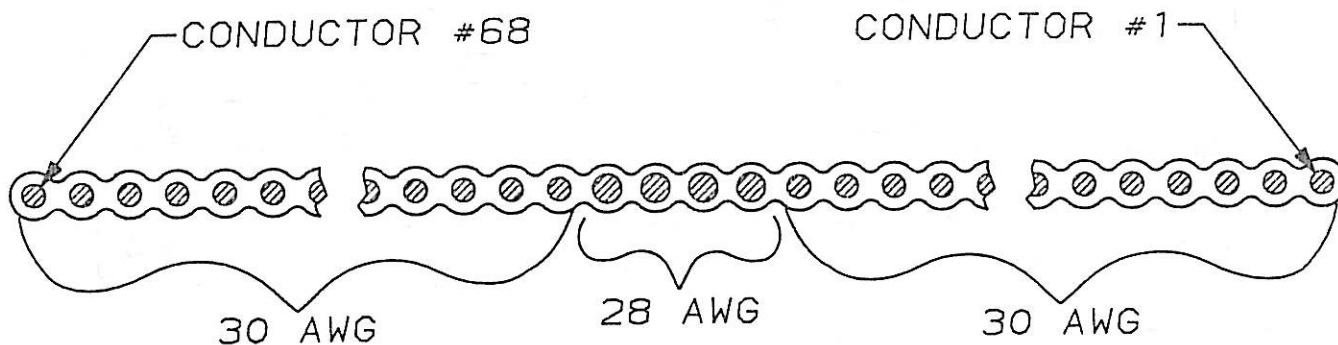
SCSI-2
RIBBON CABLE ALTERNATIVES
.025 CENTERLINE

● A CABLE



50 POSITION 75 OHM

● B CABLE



68 POSITION 75 OHM

.025 CENTERLINE PVC RIBBON CABLE TRANSMISSION LINE CHARACTERISTICS

- CONFIDENTIAL - SECURITY INFORMATION**

● 28 AWG AGAINST CHASSIS



IMPEDANCE - 41Ω CROSS TALK - .7%

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IMPEDANCE - 75Ω CROSS TALK - 3.2%

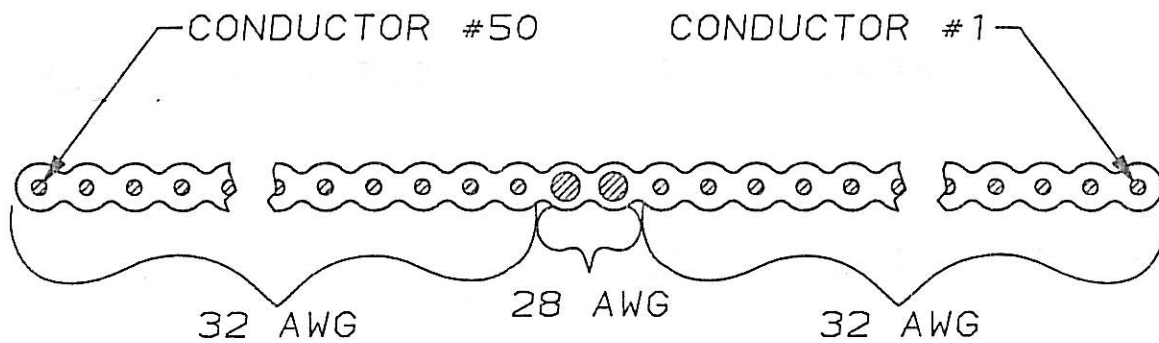
- 30 AWG AGAINST CHASSIS



IMPEDANCE - 60Ω CROSS TALK - 1.0%

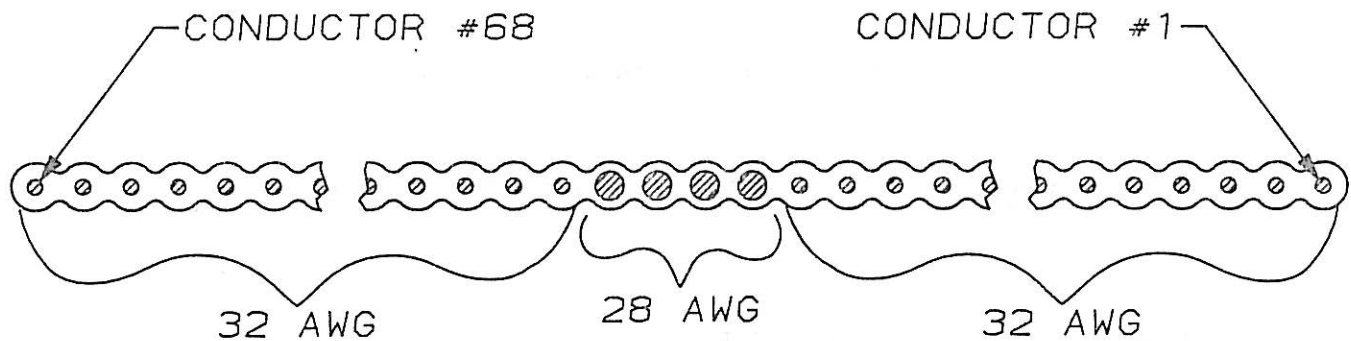
SCSI-2
RIBBON CABLE ALTERNATIVES
.025 CENTERLINE

● A CABLE



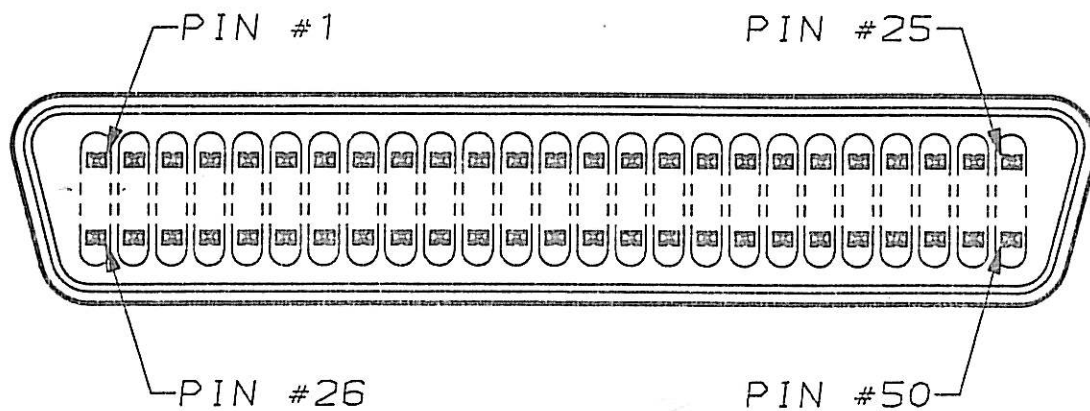
50 POSITION 93 OHM

● B CABLE

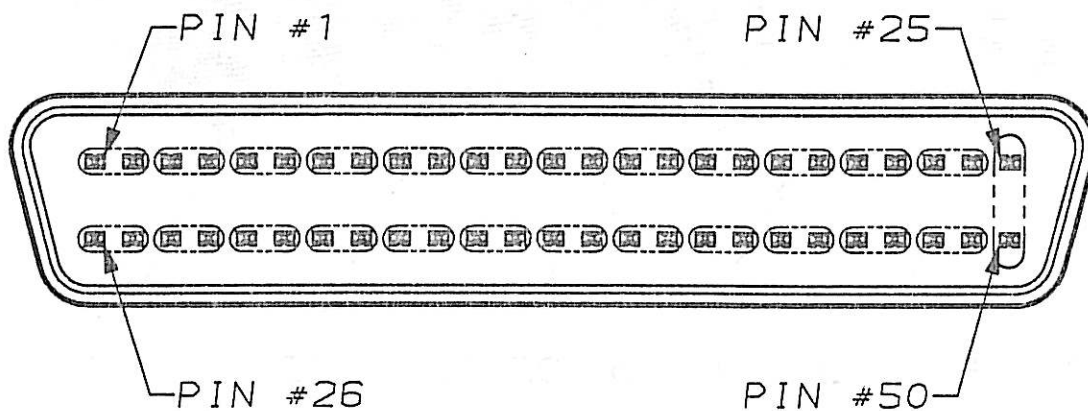


68 POSITION 93 OHM

SCSI-2 SIGNAL PAIRING (A-CABLE)

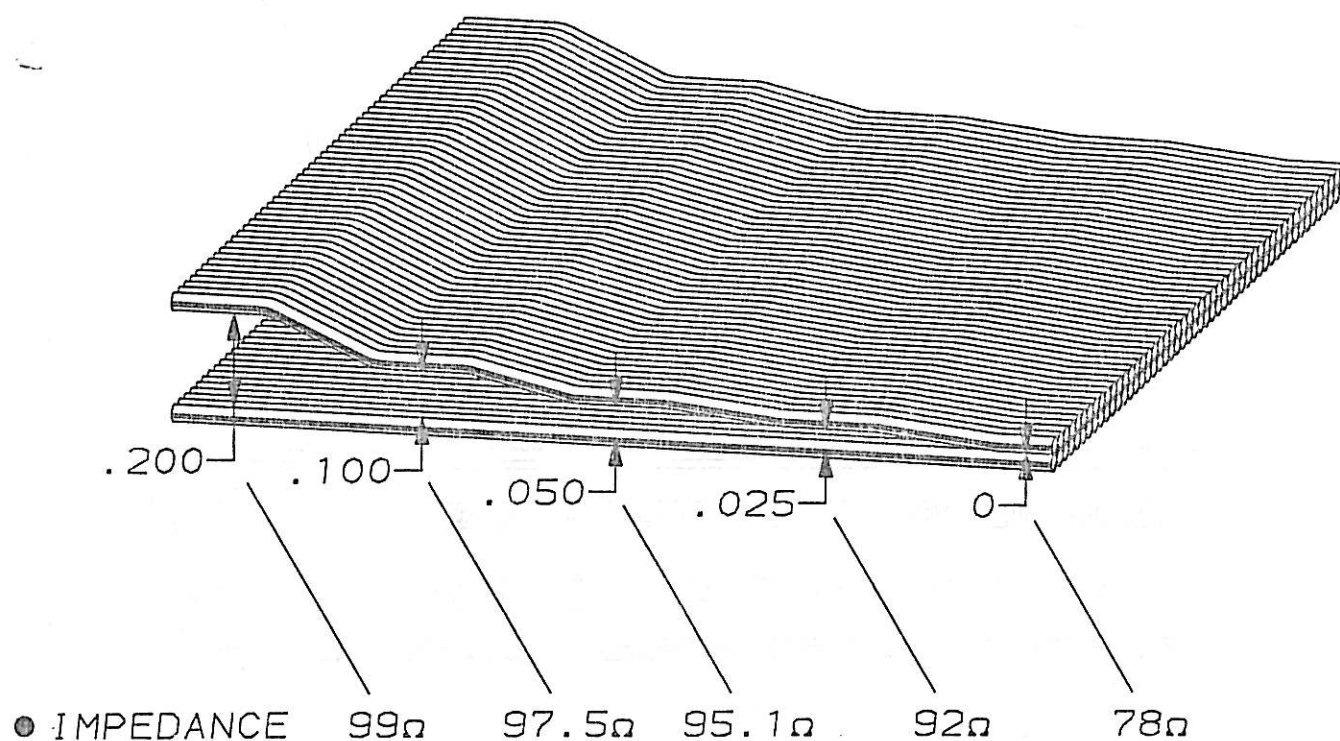


CURRENT PIN-OUT SPECIFICATION



PROPOSED PIN-OUT

SCSI-2
IMPEDANCE VS SPACING
DOUBLE LAYER, 28 AWG, .050 ϕ , PVC RIBBON CABLE



SCSI-2

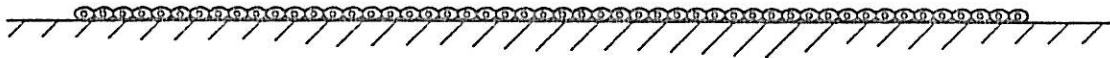
.050 CENTERLINE 28 AWG PVC RIBBON CABLE TRANSMISSION LINE CHARACTERISTICS

- SINGLE LAYER IN FREE AIR



IMPEDANCE - 105Ω CROSS TALK - 3.75%

- SINGLE LAYER AGAINST CHASSIS



IMPEDANCE - 61Ω CROSS TALK - .8%

- DOUBLE LAYER IN FREE AIR



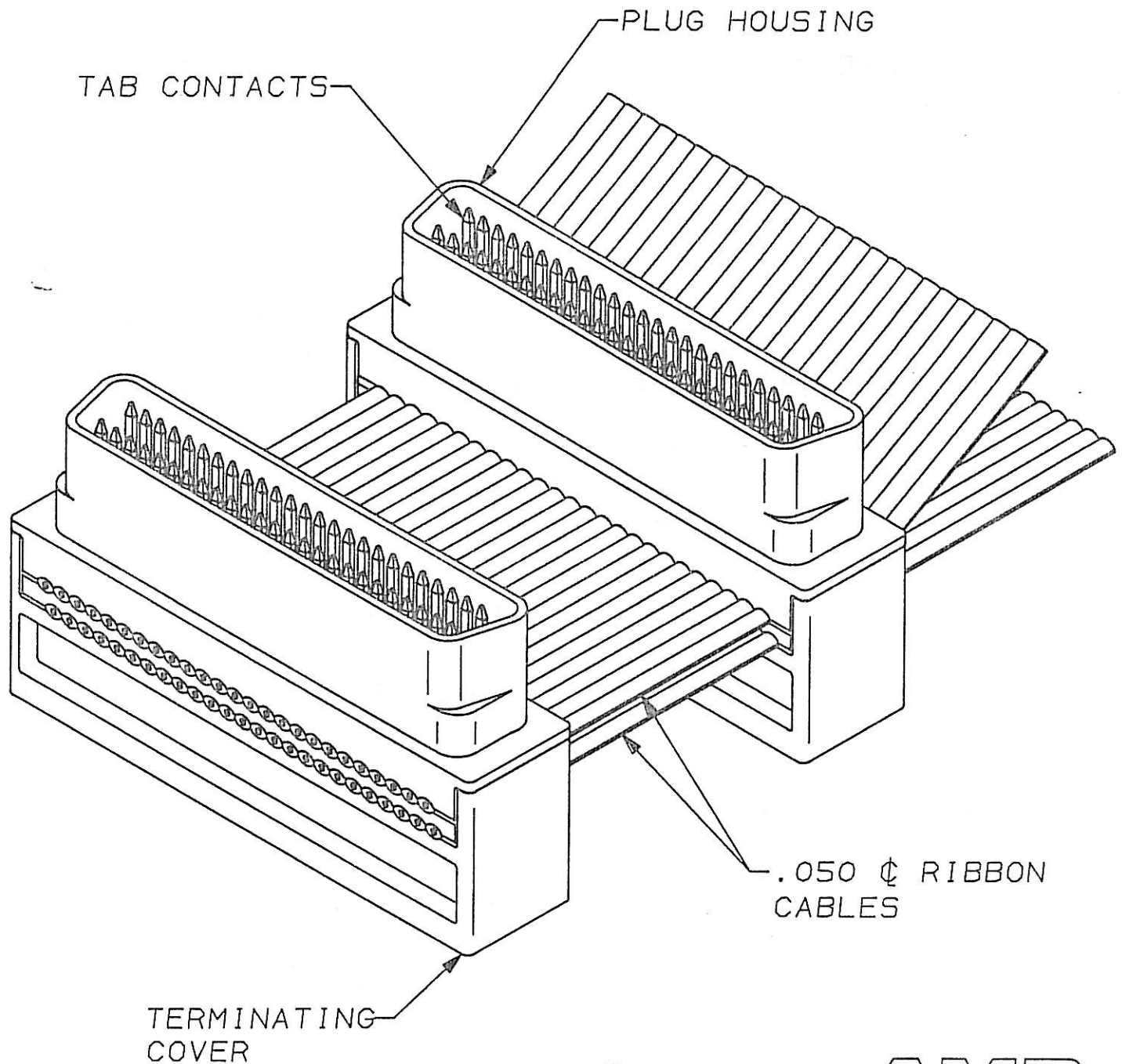
IMPEDANCE - 78Ω CROSS TALK - 15.0%

- DOUBLE LAYER AGAINST CHASSIS



IMPEDANCE - 51Ω CROSS TALK - 10.8%

SCSI-2
DAISY CHAIN
TWO .050 ϕ RIBBON CABLES



SCSI-2 TRANSITION CABLE ASSEMBLY

