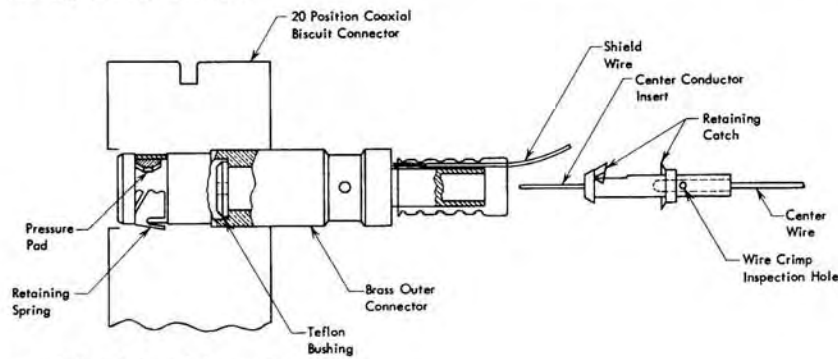
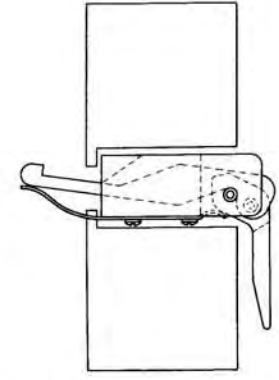


Tail Gate Assembly, Module II



Female Coaxial (Burdny) Connector



20- and 40-Pin Connector Latch Assembly

Figure 6. Tail Gate Assembly, Module II

SMS Printed Wiring Cards

Standard printed wiring cards are used in the Module I and Module II types of packaging. These SMS printed wiring cards facilitate the manufacturing process and permit standardization of circuits. The pluggable printed circuit cards contain all the components and printed wiring necessary for a particular electronic function or functions. A special program cap on some SMS printed circuit cards gives additional flexibility to this form of packaging, and reduces the number of component cards required for field servicing. Other printed wiring cards are used as cable connectors and back panel voltage distribution buses.

Description

The SMS circuit card (Figure 7) is made of an epoxy paper laminate material which is 0.056 inches thick, 4-1/2 inches long and 2-1/2 inches wide. All of the electronic components and the program cap, if used, are mounted on the front side of the standard SMS card form. Connections to the components and program cap are made on the back side of the SMS card form by printed wiring patterns

which terminate at 16 possible contacts at the bottom of the card. These contacts, labeled A through R as shown, couple the signal and standard service voltages to the circuit components when the card is inserted in the SMS socket. The printed circuit wiring or land pattern is dependent on the circuit configuration of the card.

Program Cap

The program cap located on the front of some of the SMS cards consists of two conductor rails which, in the pre-cut state, connect to 15 tabs on the printed circuit land pattern. By cutting the program cap, various jumpering connections are made to the tabs to allow one SMS card having a definite land pattern to be used in several different circuit configurations. The jumpering of these connections on the program cap are referred to as "cap connections."

Card Identification

A four-letter code is assigned each card to identify the large number of SMS cards required for packaging all the electrical circuits required in data processing equipment. The first two letters designate a card code that is assigned