AR751 CIRCUIT PACK IDENTIFICATION

1. GENERAL

1.01 This section provides a brief physical and functional description of AR751 circuit pack (CP).

1.02 When this section is reissued, the reason for reissue will be given in this paragraph.

1.03 The AR751 CP (Fig. 1) is used to provide Electronic Industries Association (EIA) interface leads BA, BB, AA, and AB for 820A, B, G, J, and L data auxiliary set controllers used in 85/86 selective calling service (SCS) stations. AR751 CP provides signal leads and controller terminations to allow the 85/86 stations to be connected to a 1A data station single channel arrangement (SCA) or for interconnecting low speed data communications equipment (DCE) using EIA leads BA, BB, AA, and AB. This CP may also be used for testing the 820-type station controller at the customer's location using a 911P EIA test adapter in connection with a 911NA data test set. AR751 CP replaces data set (DS) 108- or 109-type used with the 820-type station controller for SCA, DCE, or local testing applications.

2. DESCRIPTION

2.01 The AR751 CP is 5-1/2 inches high by 7 inches long by 1-1/2 inches wide and weighs 1/4 pound. Power for operation of the CP is obtained from the connecting data auxiliary set.

2.02 A 25-pin male connector, designated J1, is located on the faceplate of the CP. Connector J1 provides for interconnection via an M25A cord to an external 1A data station or DCE. There are no active components on AR751 CP. Resistors R1 and R2 form a voltage divider which provides a high signal level termination on AR751 CP, pin 7. A high on pin 7 enables character detect and generate logic of the connected station controller.

2.03 When AR751 CP is installed in either an 85- or 86-station controller, four leads, namely the transmitted data lead (BA), received data lead (BB), protective ground lead (AA), and signal ground lead (AB) are extended from a 927-type connector on the frame of the 85/86 station controller to terminals on the J1 connector. EIA level data signals [mark ***low*** (ie, < -3 volts) space ***high*** (ie, $> +3$ volts)] are exchanged between the station controller and the 1A data station SCA via the interconnecting M25A cord.

3. REFERENCES

3.01 Refer to SD- and CD-1D258-01 for further information on AR751 CP.

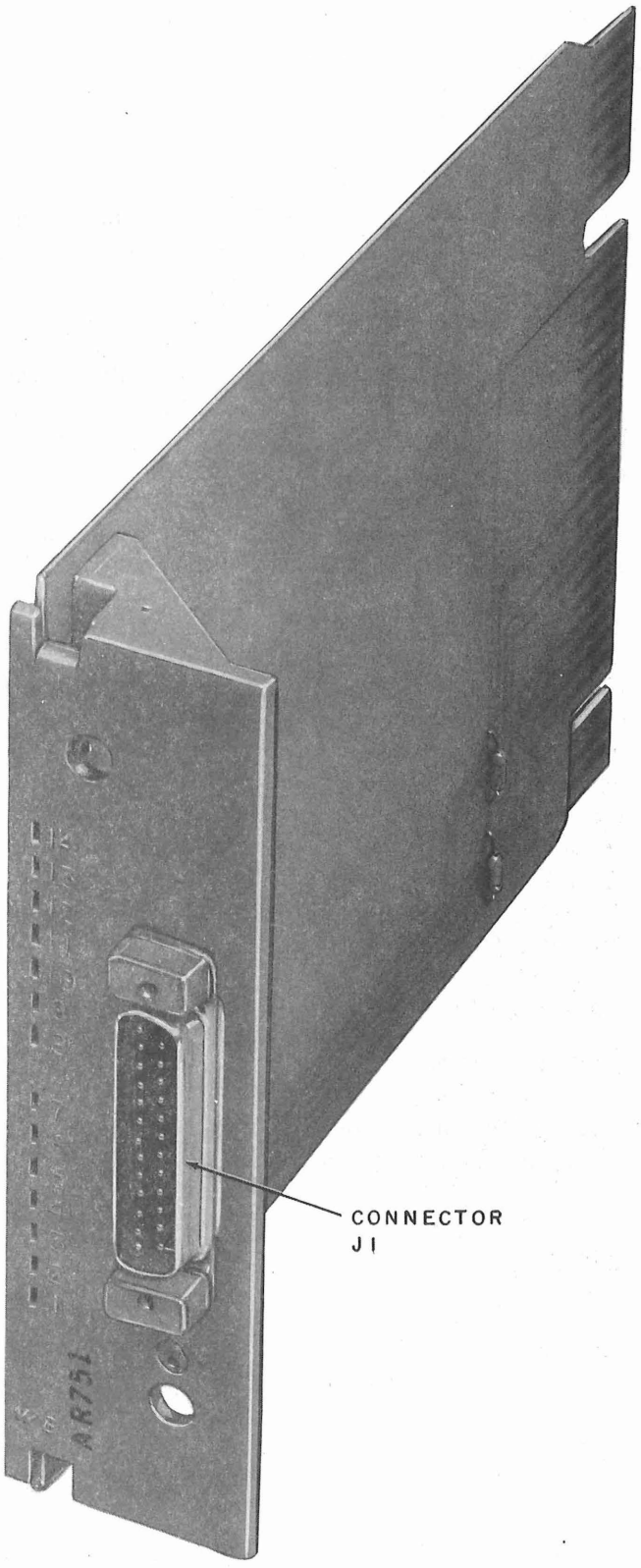

Fig. 1—AR751 Circuit Pack