AR578 CIRCUIT PACK

IDENTIFICATION

1. GENERAL

1.01 This section is a brief description of the physical and functional characteristics of the AR578 circuit pack (Fig. 1). Additional information about the circuit pack is contained in the references listed in Part 3.

1.02 The AR578 CP provides signal driver and interface functions for multistation data broadcast arrangements.

2. DESCRIPTION

2.01 The AR578 CP is intended for use in a private line multistation teletypewriter broadcast system which dispenses low-speed data from a computer port to a number of receive-only data stations.

2.02 The unit shown in Fig. 1 is a solid state circuit pack which mounts in standard apparatus such as the 28A1 Data Mounting. The 6-foot cord and attached plug provide external access to the input and output of the 14 interface circuits. Approximately 1.72 watts of −24 volt dc and 4.5 watts of +24 volt dc power is supplied through the finger terminals on the board.

2.03 The AR578 circuit pack consists of a single driver circuit and supervisory interface circuits for a maximum of seven data channels. Two supervisory interface circuits are provided per channel to control externally provided loads such as lamps or relays. In a configuration where these circuits are not required, the circuit driver can drive a parallel arrangement of 15 data sets, each having the normal 3000-ohm input impedance. For data sets with a nominal 16,000-ohm input impedance, the capability of the driver may be 80 data sets. The signal driver has two optional inputs, one meets EIA standard RS-232-C requirements while the other provides a higher input impedance for connecting up to four driver circuits to the same source.

3. REFERENCES

3.01 For additional information, refer to SD-1D222-01 and CD-1D222-01—Data Systems—Multistation Data Broadcast System Arrangement.
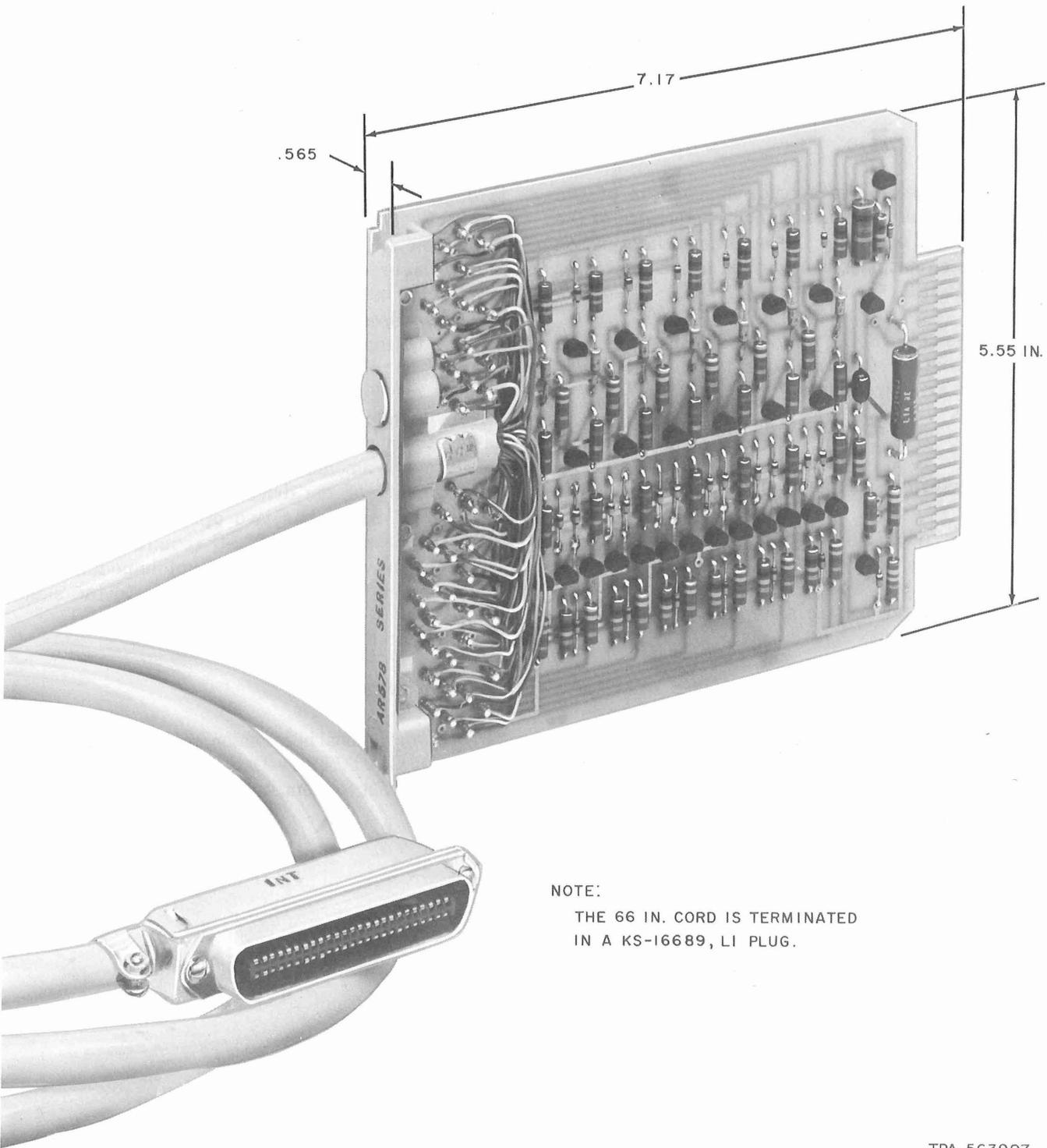
NOTE:
THE 66 IN. CORD IS TERMINATED
IN A KS-16689, LI PLUG.

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Fig. 1—AR578 Circuit Pack