J98726BB-2, L2,B DPT CHANNEL UNIT D4CD200

DATA SHEET

D4 CHANNEL BANK

The 2-wire, 900-ohm Dial Pulse Terminating (DPT) channel unit (J98726BB) provides the interface between a D4 channel bank or SLC*-96 subscriber loop carrier system terminal and a 2-wire dial pulse terminating circuit. It serves loop supervision (loop closures and reverse battery) and dial pulse or multifrequency signaling. For signaling and supervision, it converts normal and reverse battery conditions from the trunk circuit into pulses for the digital network. Similar pulses from the digital network are converted into loop closures for the trunk circuit.

The transmission circuitry of this unit contains a hybrid for 2- to 4-wire conversion, 0 to 6.3 dB attenuators, and network buildout circuitry.

*Trademark of Western Electric

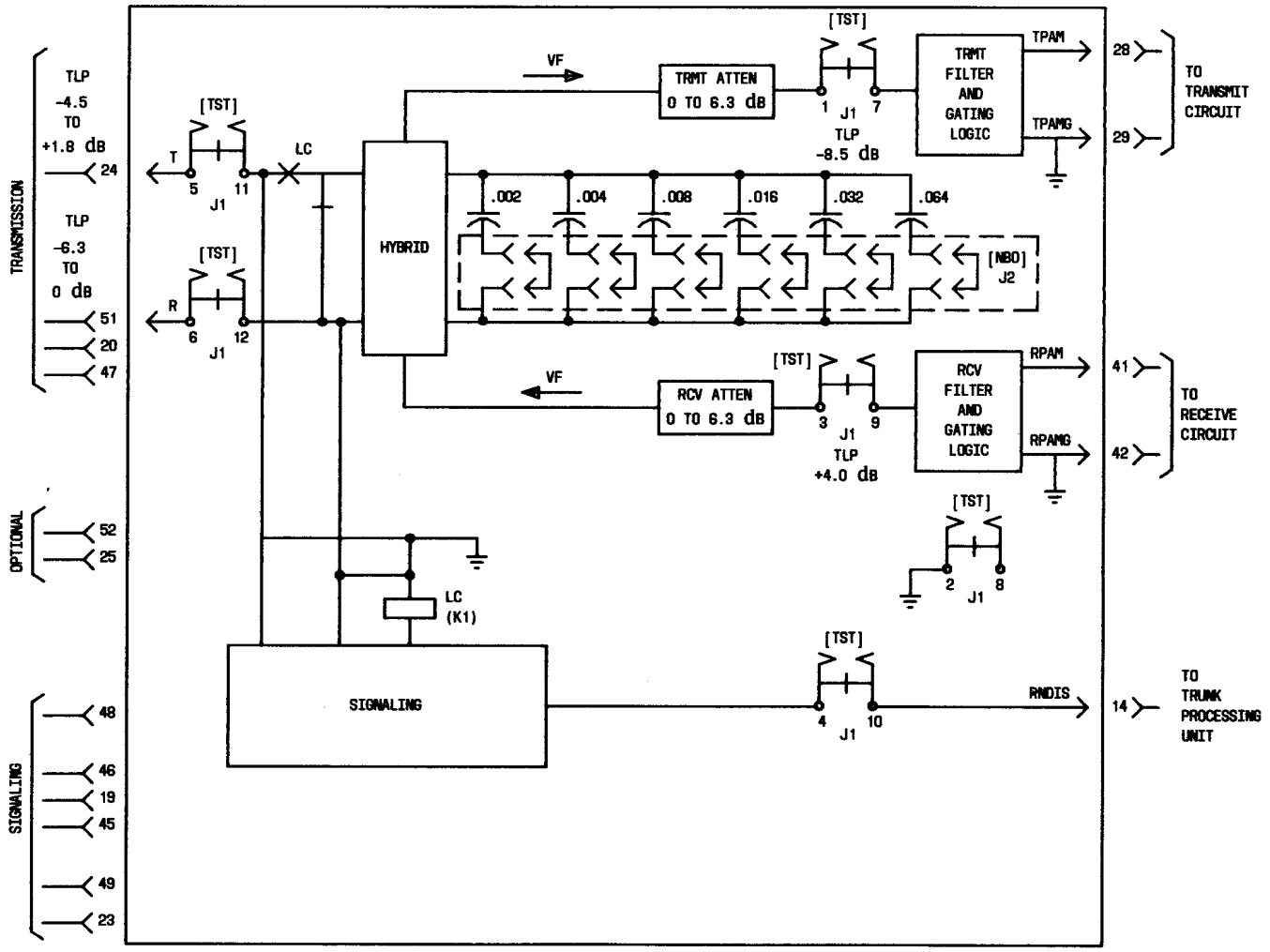

Fig. 1 — J98726BB-2 Block Diagram

For detail, see CD- and SD-3C323-02 and Section 365-170-110. Section 855-351-105 gives prescription (option) settings and application information.

Figure 1 is a functional block diagram of the unit, and Fig. 2 gives major component location and option information.

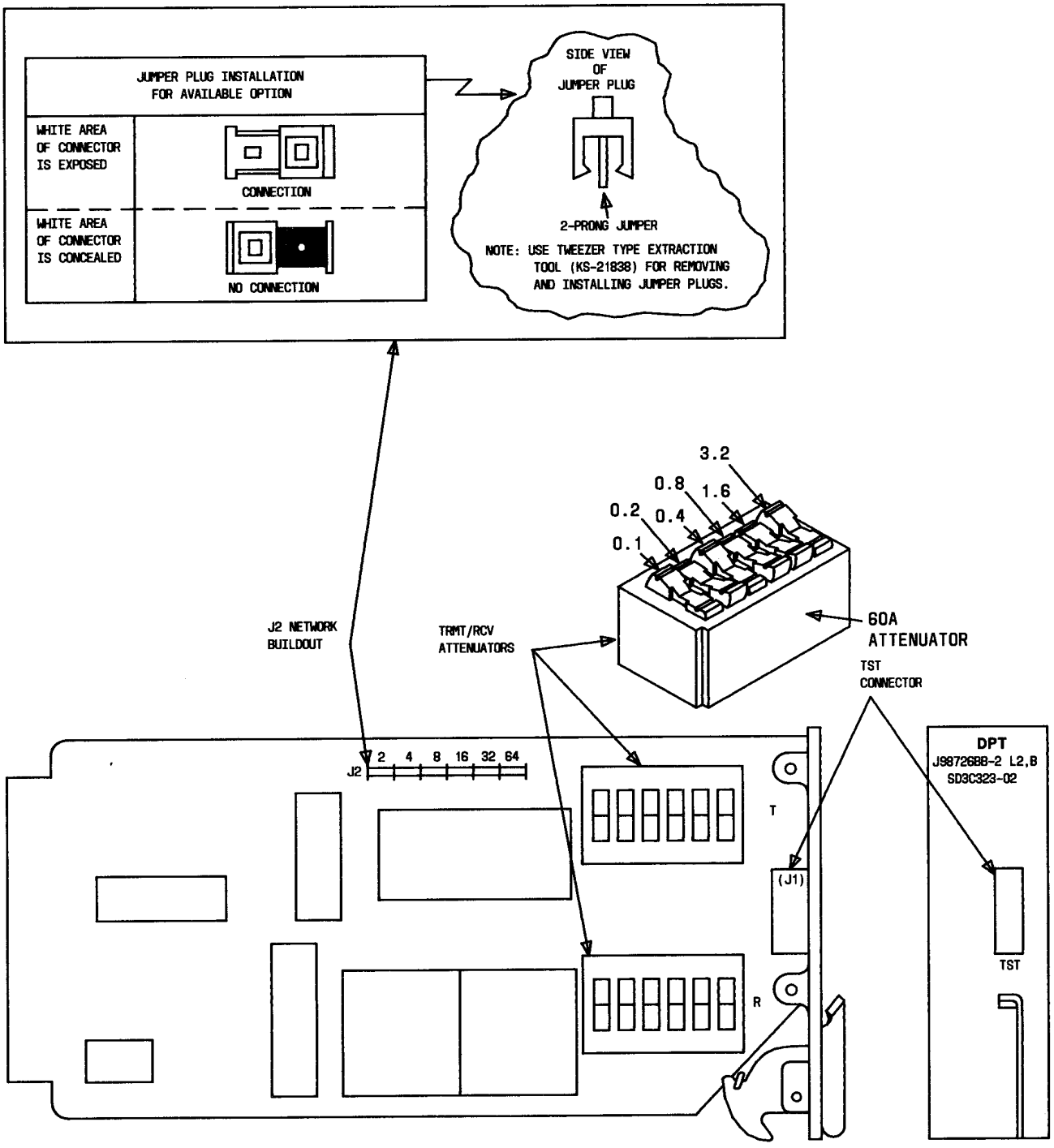

Fig. 2 — J98726BB-2 Component Layout

TST CONNECTOR: Insertion of a test card into this connector provides splitting access to the drop side of the hybrid, the TRMT TLP, the RCV TLP, and the RNDIS lead for test and maintenance purposes.

TRMT AND RCV ATTENUATORS: Switches on these attenuators provide from 0 to 6.3 dB of attenuation in the transmit and/or receive transmission paths in steps of 0.1 dB. Attenuation is inserted into the transmission path by depressing the switch rocker arm. The position of the switches in the above diagram is an example of how to set the attenuator for a loss of 2.6 dB. The total attenuation is the sum of all the values adjacent to the end of each switch that is depressed.

J2 NETWORK BUILDOUT (NBO): Insert jumper plugs according to circuit requirements. NBO values are selected by inserting the plugs into the black side (white side showing) of J2 corresponding to desired values (2, 4, 8, 16, 32, 64).