J98726BY-1, L1 4LSXO CHANNEL UNIT D4CL100

DATA SHEET

D4 CHANNEL BANK

The 4-wire Loop Simplex Orignate (4LSXO) channel unit (J98726BY) provides the interface between a D4 channel bank or SLC*-96 subscriber loop carrier system terminal and a No. 4ESS digroup terminal or digroup interface frame. It is used with TSPS trunks and interfaces the TSPS bridging repeater. For signaling and supervision it converts loop closures into pulses for the digital network. Similar pulses from the digital network are converted into battery reversals for the trunk circuit. The 4LSX0 may also serve in a multifrequency signaling mode.

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The transmission circuitry of this unit contains transformers for impedance matching, amplifiers, and 0 to 25.5 dB attenuators.

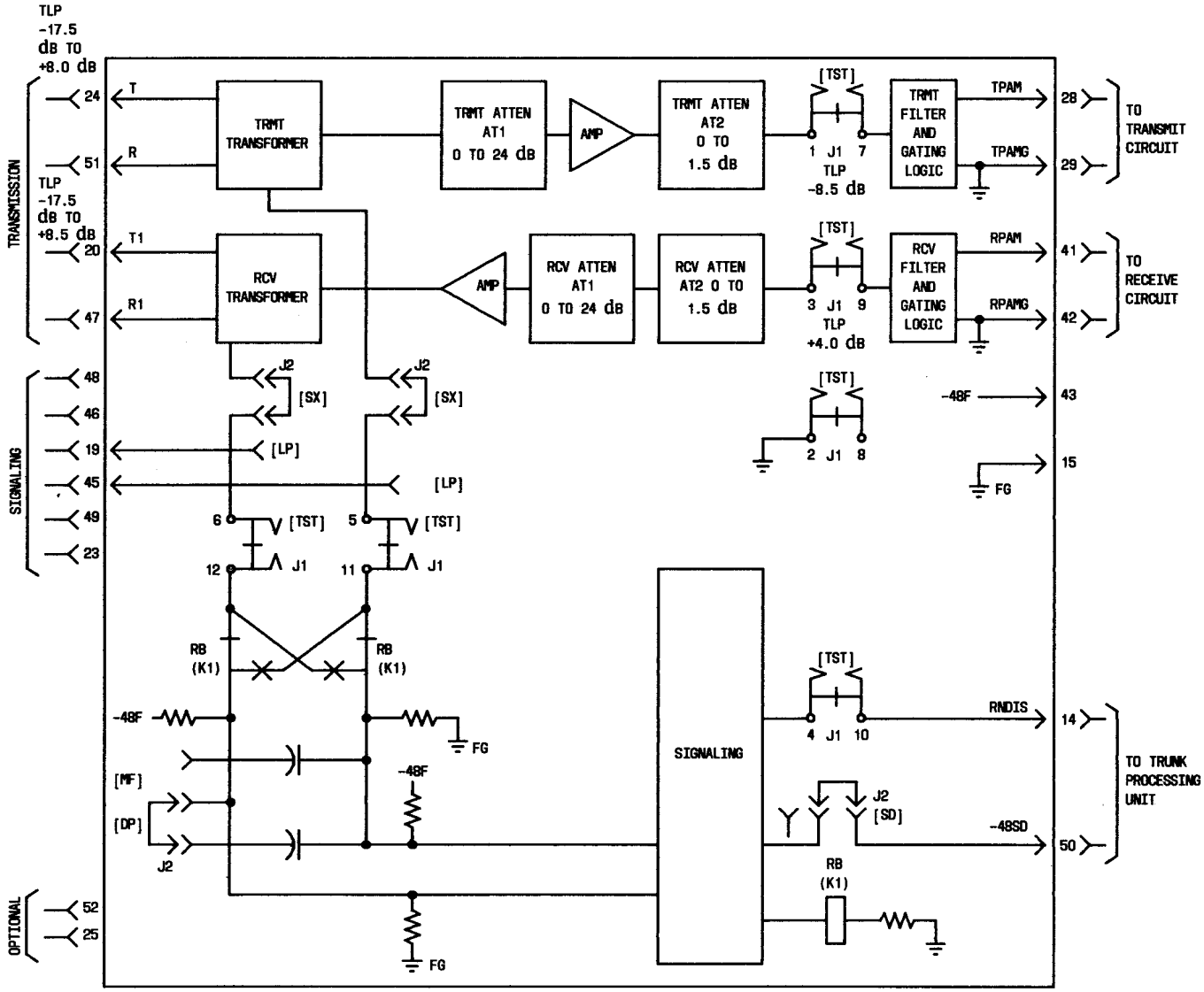

Fig. 1 — J98726BY-1 Block Diagram

For detail, see CD- and SD-3C392-01 and Section 365-170-110. Section 855-351-105 gives prescription (option) setting and application information.

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

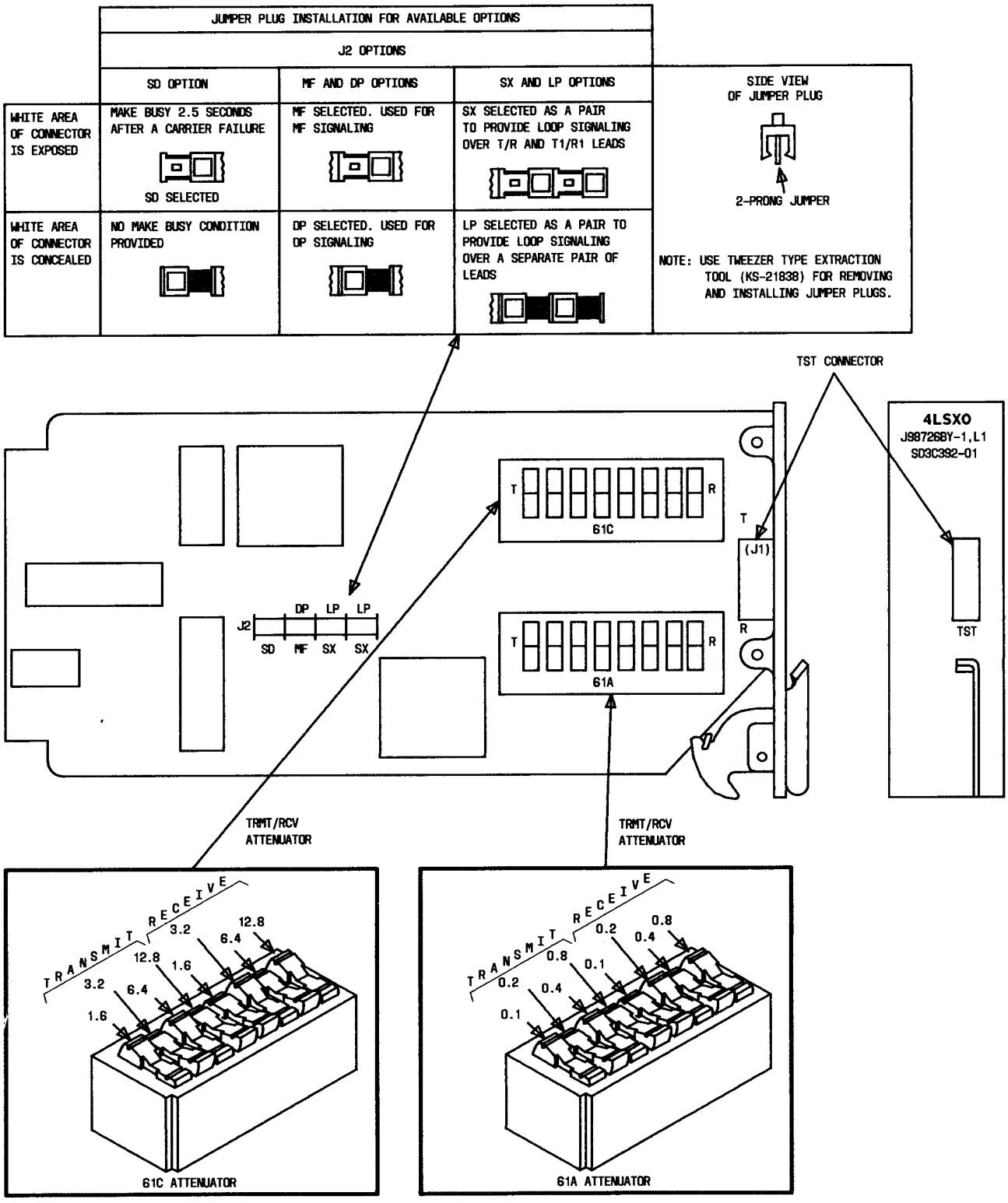

Fig. 2 — J98726BY-1 Component Layout

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

TRMT/RCV ATTENUATORS: Switches on these attenuators provide 0 to 25.5 dB of attenuation in the transmit and receive paths. The left side of each attenuator is dedicated to the transmit path and the right side to the receive path. Attenuation is provided by depressing the switches on the attenuators. The position of the switches on the above diagram is an example of how to set the attenuators for a loss of 17 dB in the transmit direction and 8.5 dB in the receive direction. The total attenuation is the sum of all values adjacent to the ends of the switches that are depressed.