J98726BH-3, L3 SDPO CHANNEL UNIT D4CD300

DATA SHEET

D4 CHANNEL BANK

The 2-wire, 900-ohm Sleeve Dial Pulse Originating (SDPO) channel unit (J98726BH) provides the interface between a D4 channel bank or SLC*-96 subscriber loop carrier system terminal and a 2-wire sleeve dial pulse originating circuit. This unit is used with a step-by-step selector or a rotary-out-trunk switch requiring sleeve lead control. For signaling and supervision, it converts loop closures from the trunk circuit into pulses for the digital network. Similar pulses from the digital network are converted into normal and reverse battery conditions for the trunk circuit.

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

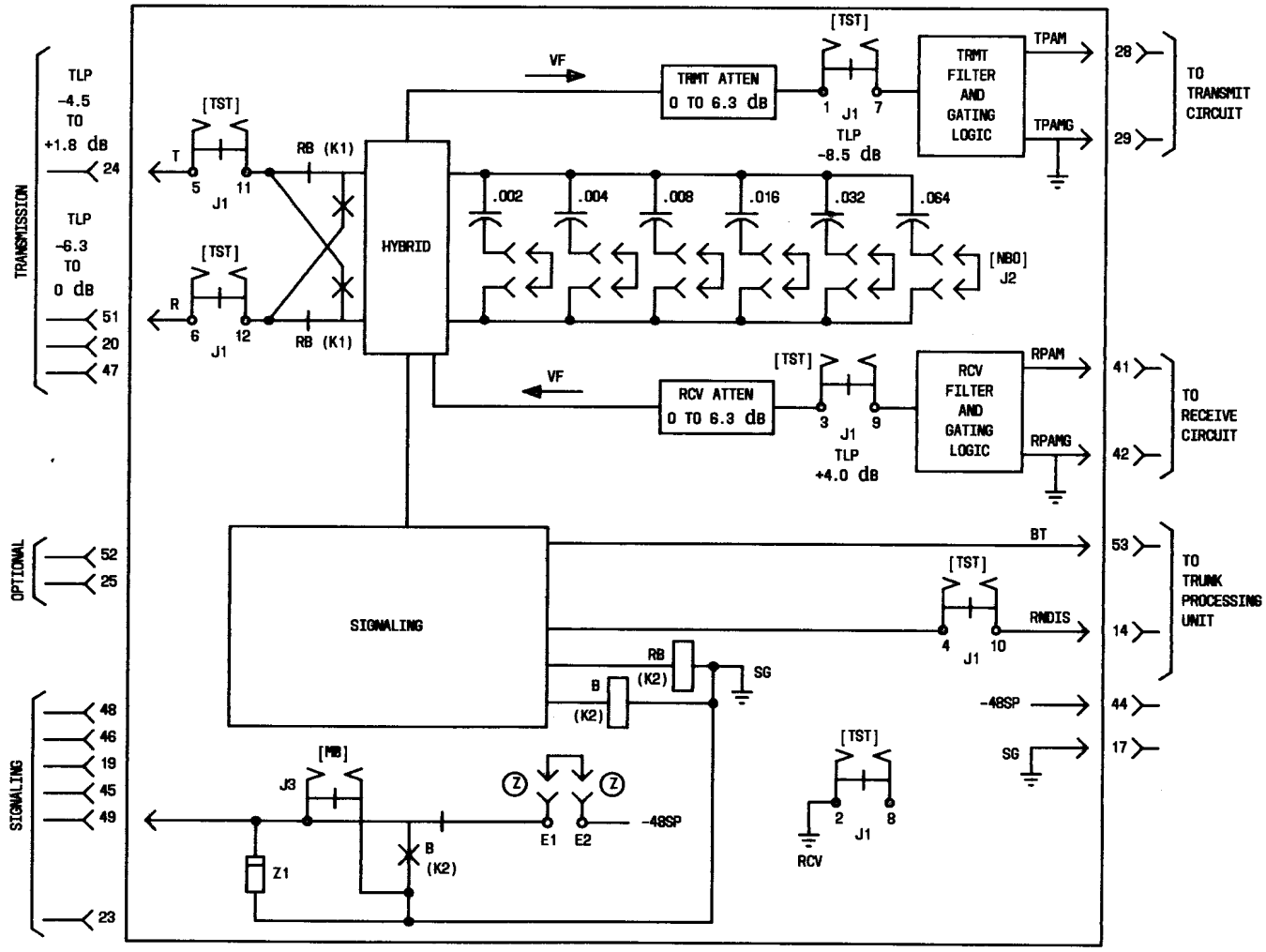

Fig. 1 — J98726BH-3 Block Diagram

For detail, see CD- and SD-3C330-02 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.

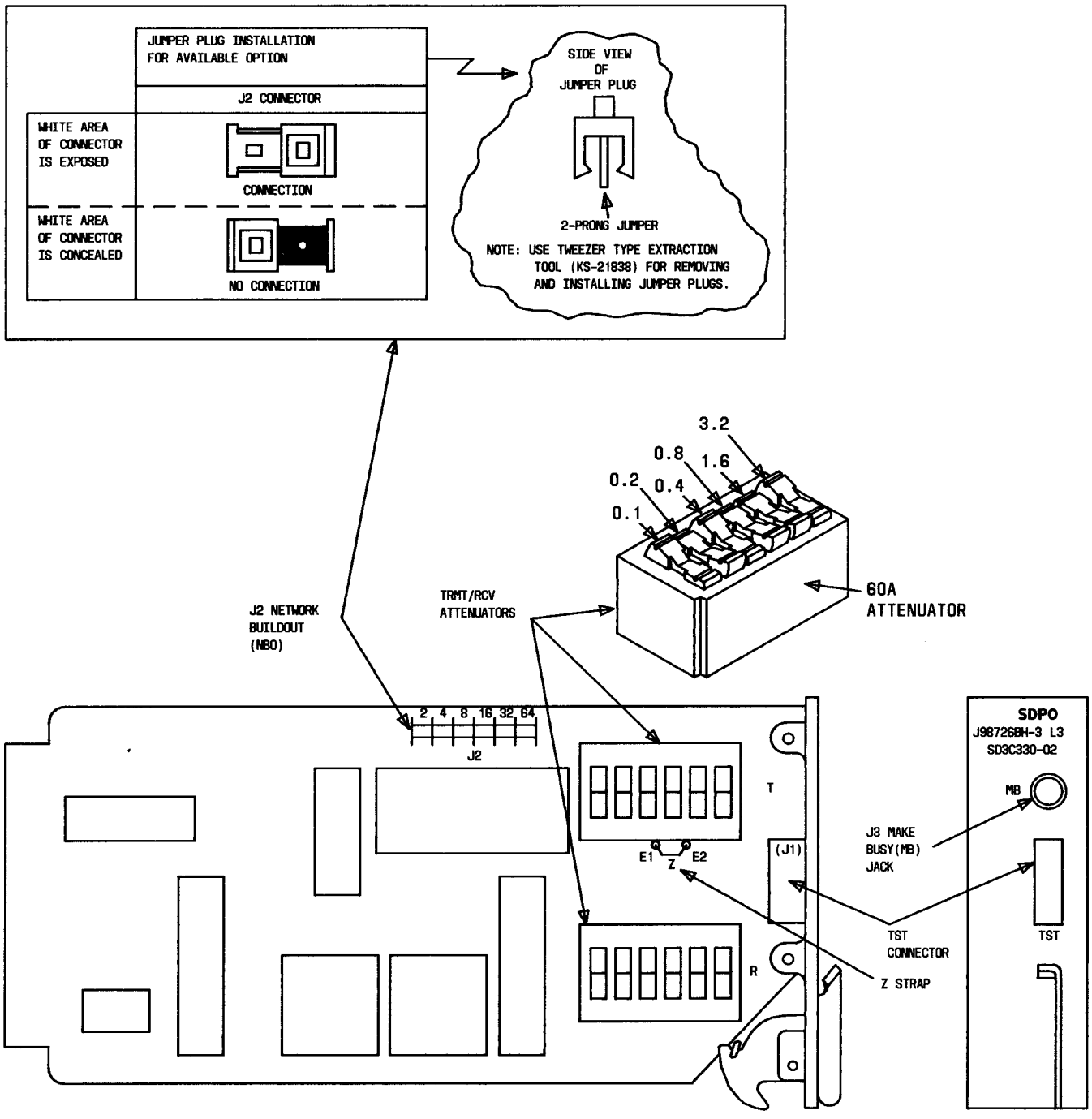

Fig. 2 — J98726BH-3 Component Layout

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 arms. 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): Jumper plugs are inserted into J2 according to circuit requirements. NBO values are selected by inserting jumper plugs into the black side (white side showing) of J2 corresponding to the desired values of capacitance (0.002, 0.004, 0.008, 0.016, 0.032, or 0.064).

J3 MAKE BUSY (MB) JACK: Insertion of a plug in the MB jack grounds the sleeve lead thereby making the circuit appear busy to the switching system.

Z STRAP: Provide the Z strap option when the circuit is used in a 35-E97 dial office.