J98726CH-1, L1, DPT6 CHANNEL UNIT D4CD210

DATA SHEET

D4 CHANNEL BANK

The 2-wire, 600-ohm Dial Pulse Terminating (DPT6) channel unit (J98726CH) provides the interface between a D4 channel bank or SLC*-96 carrier system terminal and a 2-wire dial pulse terminating circuit for private branch exchange (PBX) applications. It provides loop supervision (loop closures and reverse battery) and dial pulse or multifrequency pulse signaling. For signaling and supervision, it converts normal and reverse battery conditions from the

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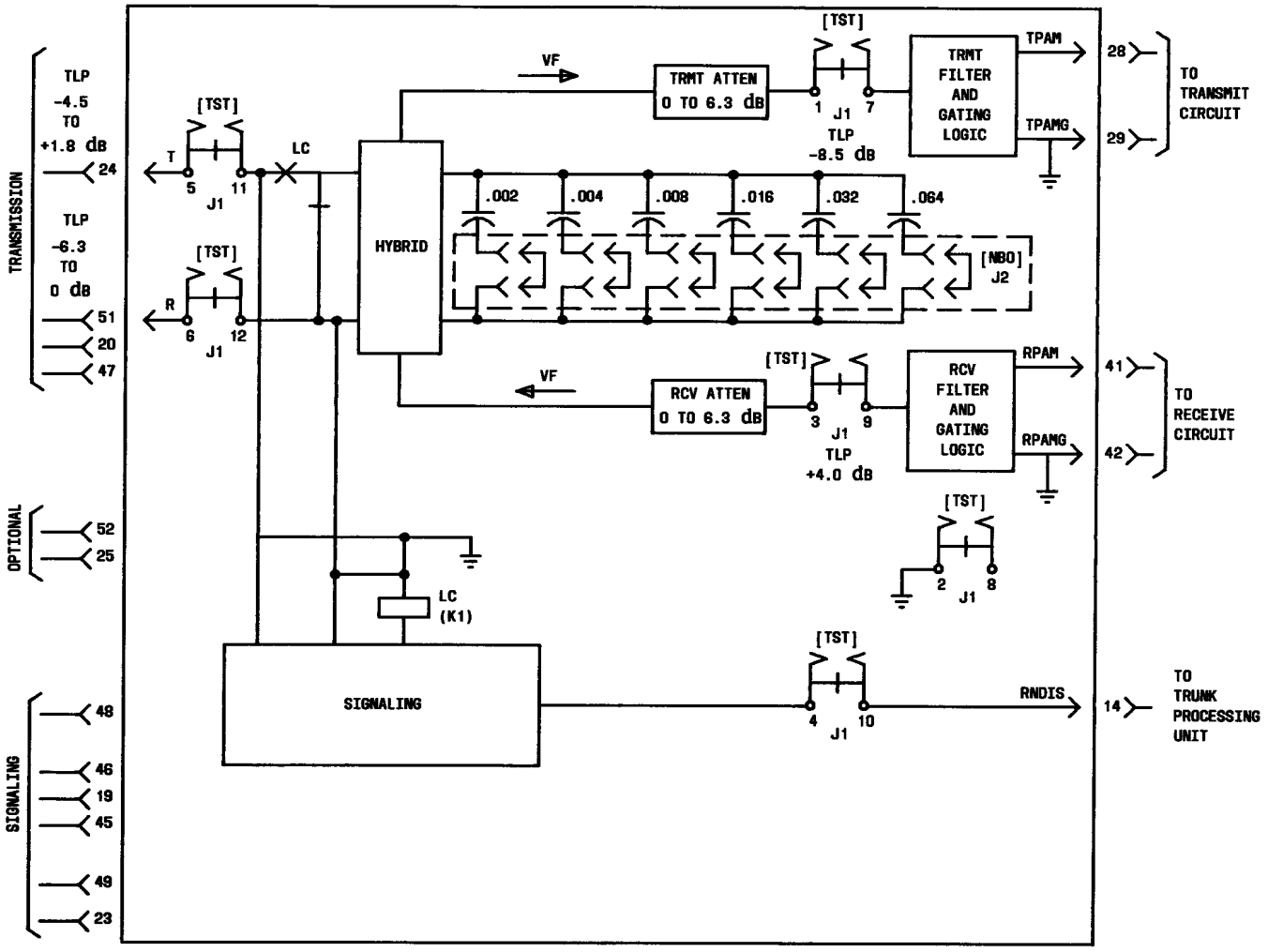

Fig. 1—J98726CH-1 Block Diagram

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.

For detail, see CD- and SD-3C323-03 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.

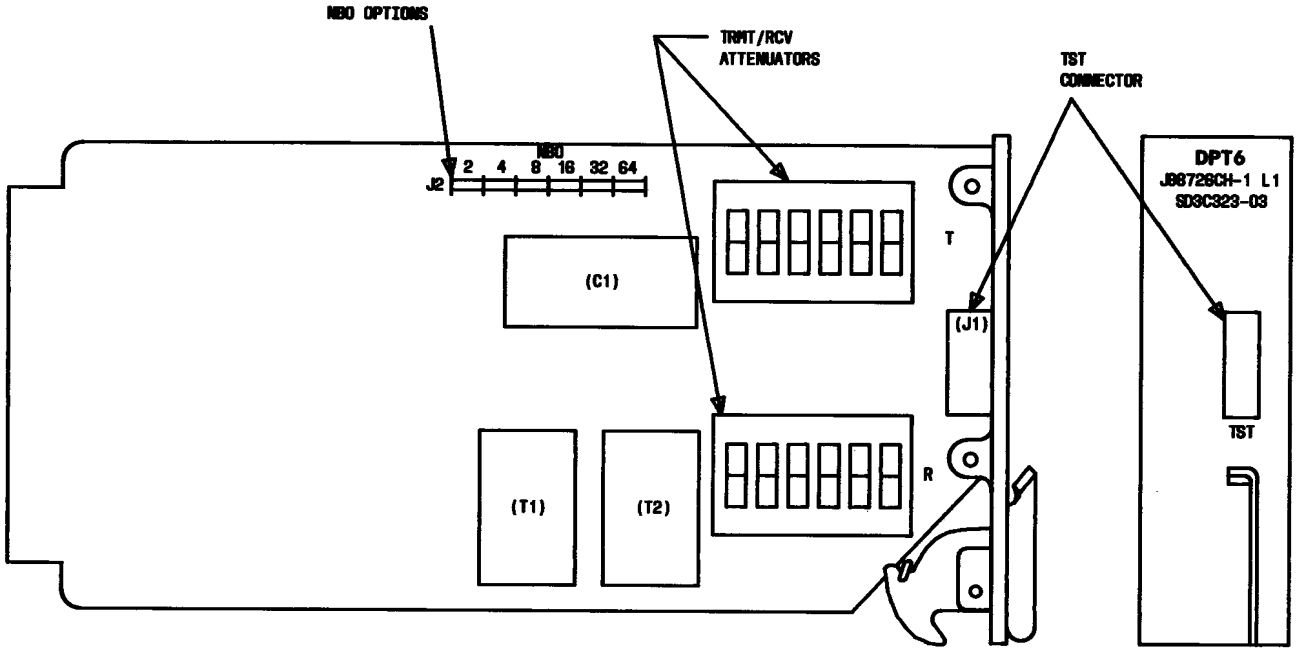

Fig. 2—J98726CH-1 Component Layout

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 total attenuation in dB is determined by adding the values adjacent to each of the depressed rocker switches.

NBO OPTIONS: The NBO (Network Buildout) options are used to balance the drop-side wiring capacitance, and are set to the value prescribed for the office. (See Section 855-351-105.) Each NBO option is associated with a capacitor value (0.002, 0.004, 0.008, 0.016, 0.032, or 0.064 μF) that can be connected into the circuit by a jumper plug. The selection and manual setting instructions for the NBO network options are given in Section 365-170-000 (TOP).