

**J98726BM-2, L2, B DPMO CHANNEL UNIT D4CD400**

**DATA SHEET**

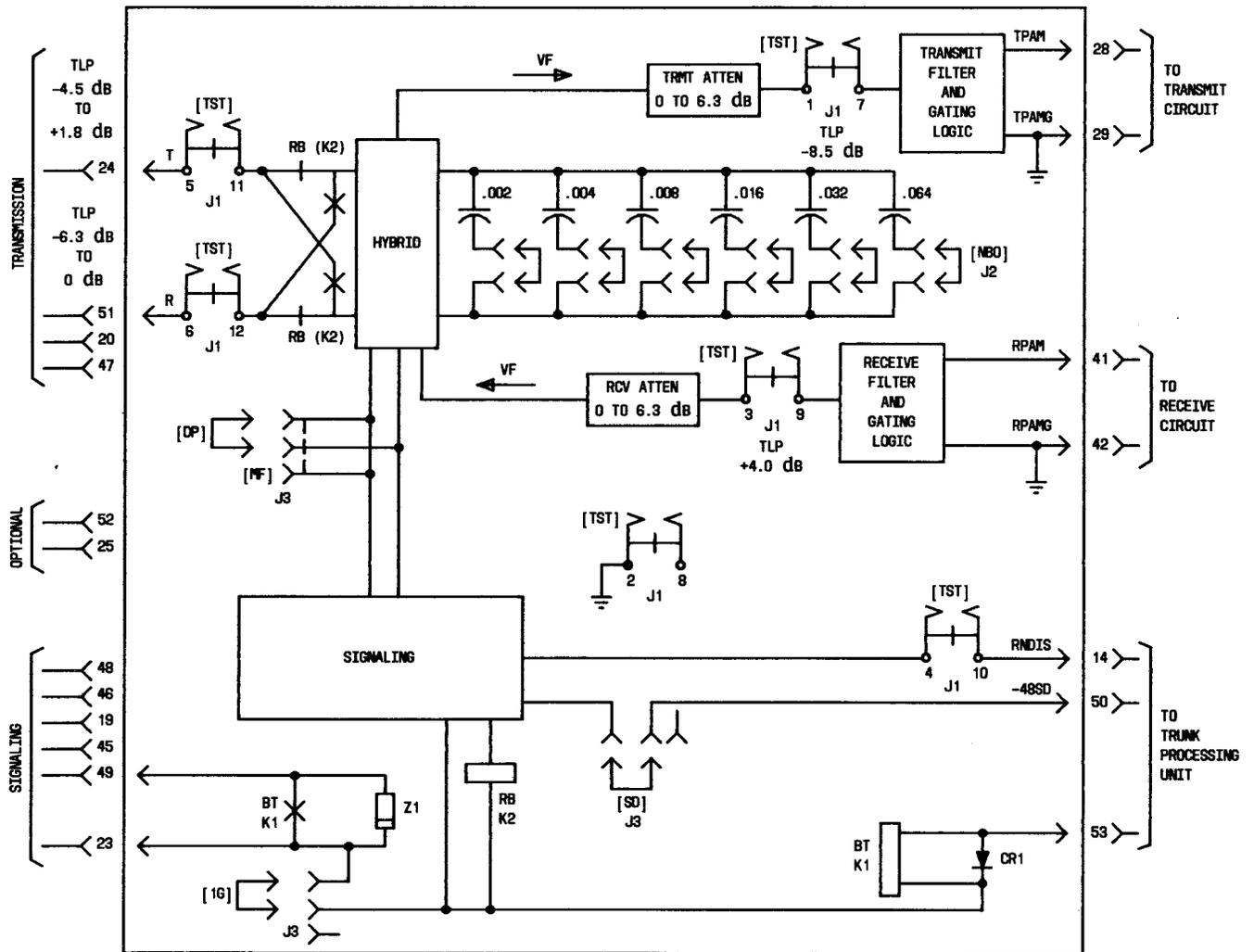
**D4 CHANNEL BANK**

The 2-wire, 900-ohm Dial Pulse/Multifrequency Originating (DPMO) channel unit (J98726BM) provides the interface between a D4 channel bank or SLC\*-96 subscriber loop carrier system terminal and a 2-wire dial pulse or multifrequency pulse originating circuit. The DPMO is preferred over the DPO in multifrequency pulse signaling circuits because of an option which provides protection against spurious loop transients. The DPMO replaces the

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DPO in all applications except a step-by-step trunk. 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.

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.



**Fig. 1 — J98726BM-2 Block Diagram**

**NOTICE**

Not for use or disclosure outside the Bell System except under written agreement

For detail, see CD- and SD-3C333-02 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.

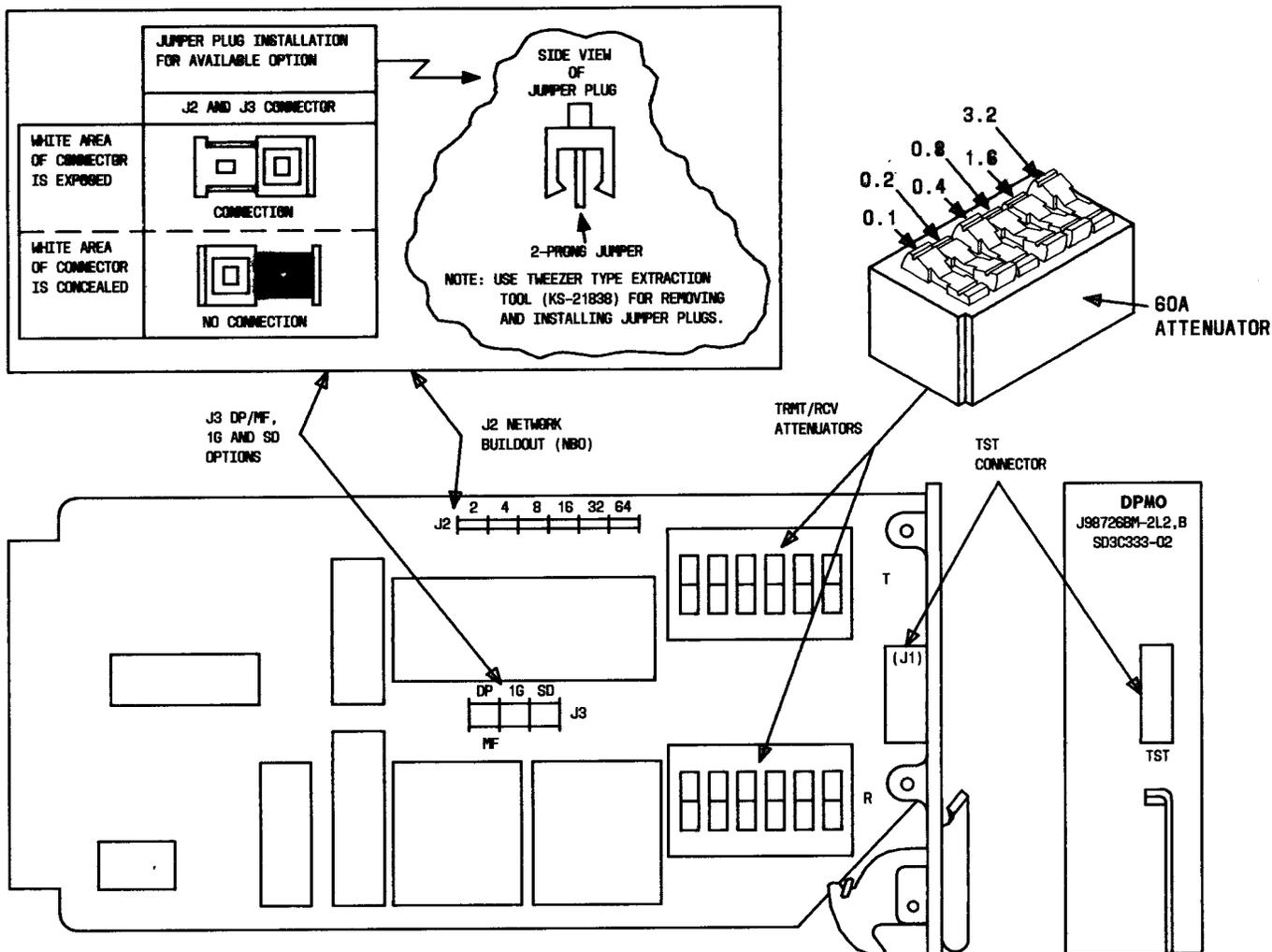


Fig. 2 — J98726BM-2 Component Layout

**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 0.1dB. 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):** 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 DP/MF, 1G AND SD OPTIONS:** Option DP is selected (black showing) when the channel unit is used with dial pulse (DP) signaling. With DP signaling, only DPT units should be used at the far end. Option MF is selected (white showing) only when the

channel unit is used with multifrequency (MF) signaling. With MF signaling, either DPT or E&M units may be used at the far end. Option 1G is selected (white showing) when an internally supplied ground

is desired during a carrier failure. Option SD is selected (white showing) when the channel unit is connected to a trunk circuit which requires reverse battery during a carrier failure.