

J98726BT-2, L2 2E&M6 CHANNEL UNIT D4CE600

DATA SHEET

D4 CHANNEL BANK

The 2-wire, 600-ohm E and M (2E&M6) channel unit (J98726BT) provides the interface between a D4 channel bank or SLC*-96 subscriber loop carrier system terminal and a 2-wire 600-ohm E and M circuit. This unit is designed for use with No. 5 crossbar and step-by-step switching systems 600-ohm intertoll trunks. For signaling and supervision, it converts E and M signals from the trunk circuit into pulses for

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the digital network. Similar pulses from the digital network are converted into E and M signals for the trunk circuit.

The transmission circuitry of this unit contains a hybrid for 2- to 4-wire conversion, 0 to 6.3 dB attenuator in the transmit path, 0 to 12.7 dB attenuator in the receive path, and network buildout circuitry.

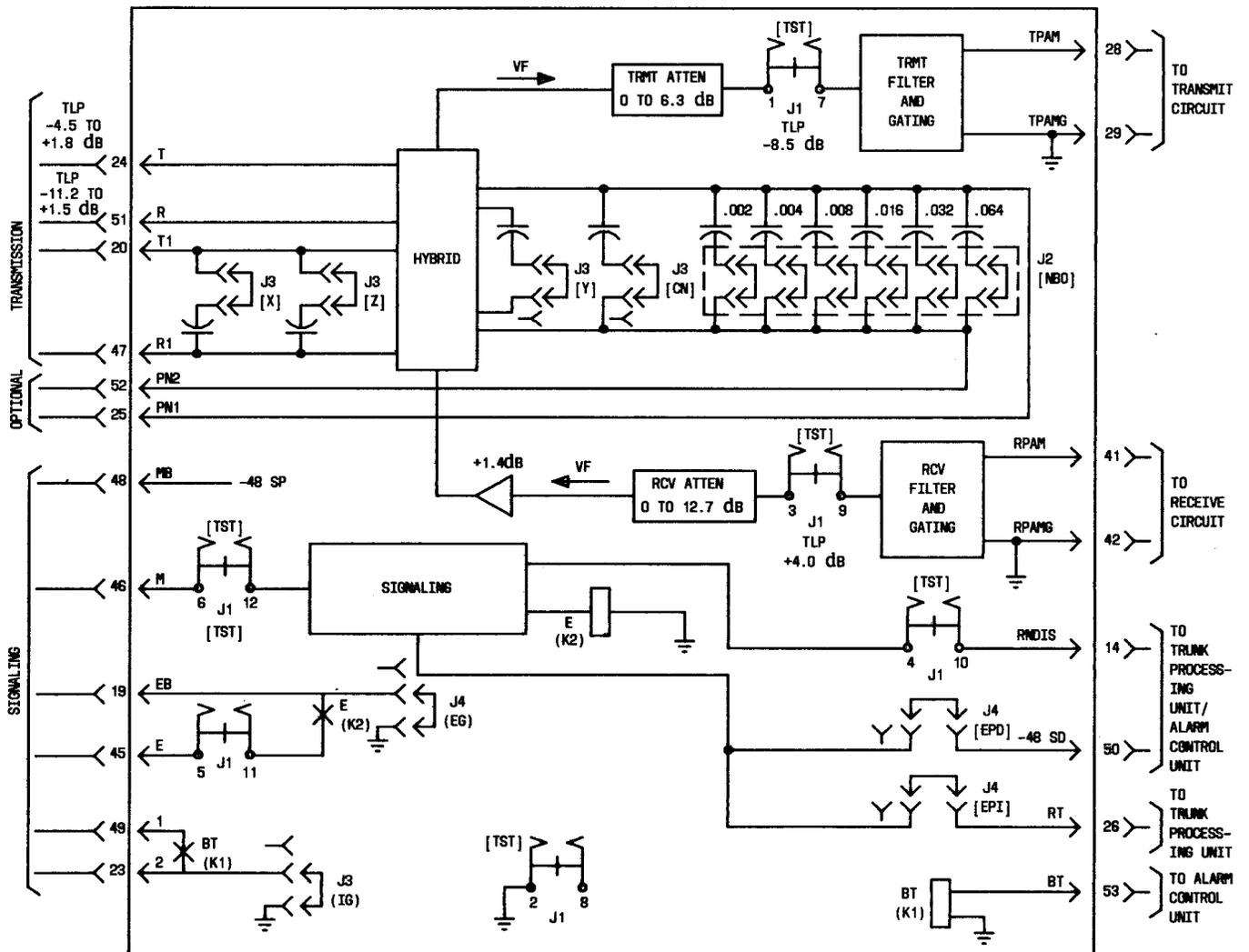


Fig. 1 — J98726BT-2 Block Diagram

NOTICE

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

For detail, see CD- and SD-3C337-02 and Section 365-170-111. 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.

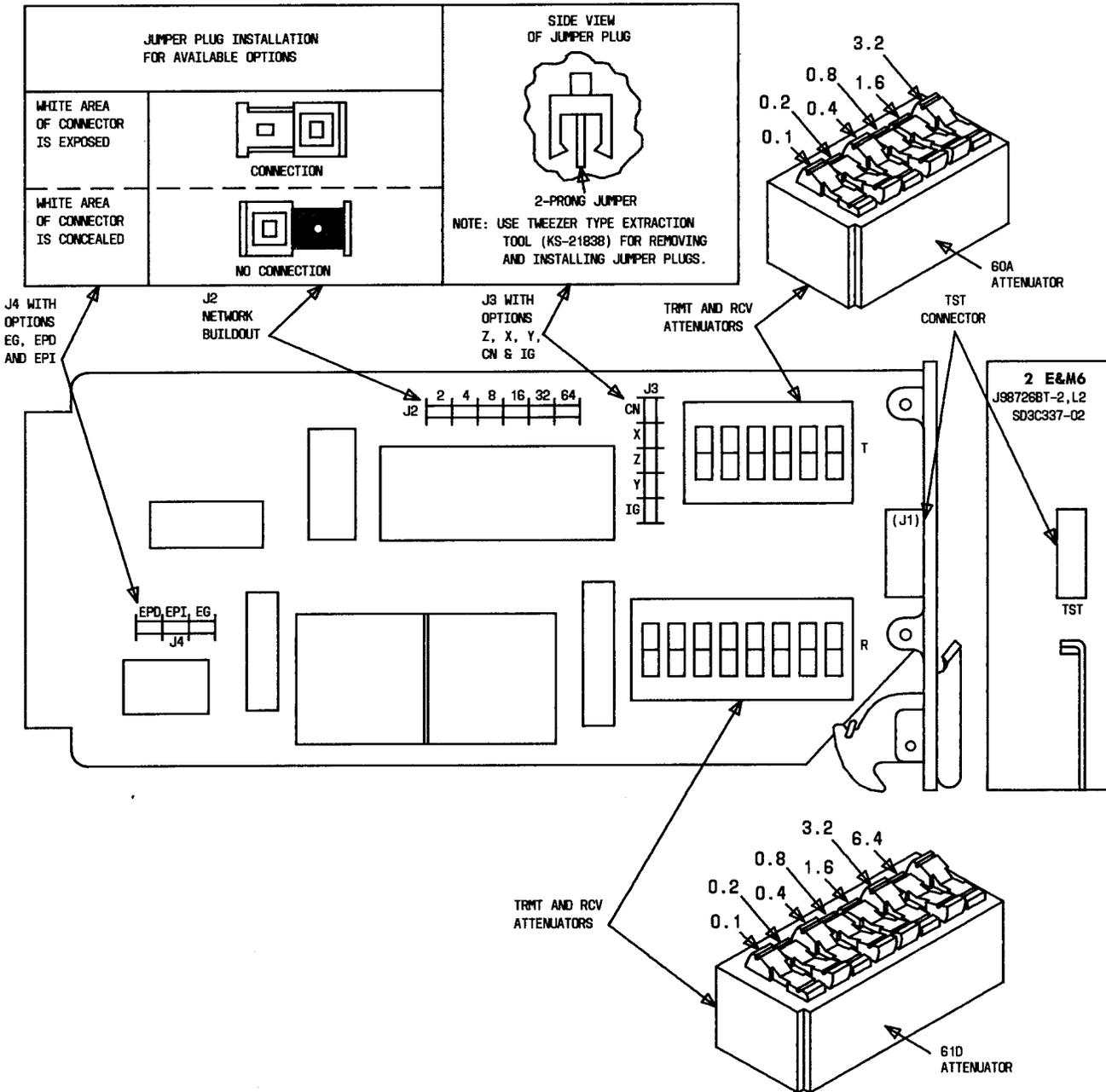


Fig. 2 — J98726BT-2 Component Layout

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 direction and 0 to 12.7 dB of attenuation in the receive direction 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 transmit attenuator for a loss of 2.6 dB and the receive attenuator for a loss of 9.0

dB. The total attenuation in each direction 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 plugs into the black side (white side showing) of J2 corresponding to desired value (2, 4, 6, 8, 16, 32, 64).

J3 WITH OPTIONS Z, X, Y, CN, AND IG: Select option Z (white showing) when the capacitance across the A and B leads in the trunk circuit is 1.00 uF. Select option X (white showing) when there is no capacitance across the A and B leads in the trunk circuit. Select option Y (white showing) when the capacitance across the A and B leads in the trunk circuit

is 4.0 uF or greater. Select option CN (white showing) when an external compromise network is not required. When an external compromise network is required, insert the plug so that the black is showing. Select option IG (white showing) when trunk conditioning requires that ground for the make busy lead (2) be provided within the channel unit.

J4 WITH OPTIONS EG, EPD, AND EPI: Select option EG (white showing) for type I and type III interfaces. Place the jumper plug in the EG socket so that the black is showing for type II interfaces. Select option EPD (white showing) to force the E lead to an on-hook condition for 2.5 seconds before off hook upon trunk processing. Select option EPI (white showing) to force the E lead to an off-hook condition immediately upon trunk processing.