

J98726BK-1, L1, A 2FXSLS CHANNEL UNIT D4CX700

DATA SHEET

D4 CHANNEL BANK

The 2-wire, 900-ohm Foreign Exchange Station End Loop Start (2FXSLS) channel unit (J98726BK) provides the interface between a D4 channel bank or SLC*-96 subscriber loop carrier system terminal and a 2-wire foreign exchange station end loop start circuit. It is used for connection to foreign exchange lines, off premise station lines, foreign exchange

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trunks from a PBX to a subscriber central office, and other special access services to provide a cost reduced FX unit where only loop start is required.

For signaling and supervision, it converts loop closures into pulses for the digital network. Similar pulses from the digital network are converted into ringing current for the metallic extension.

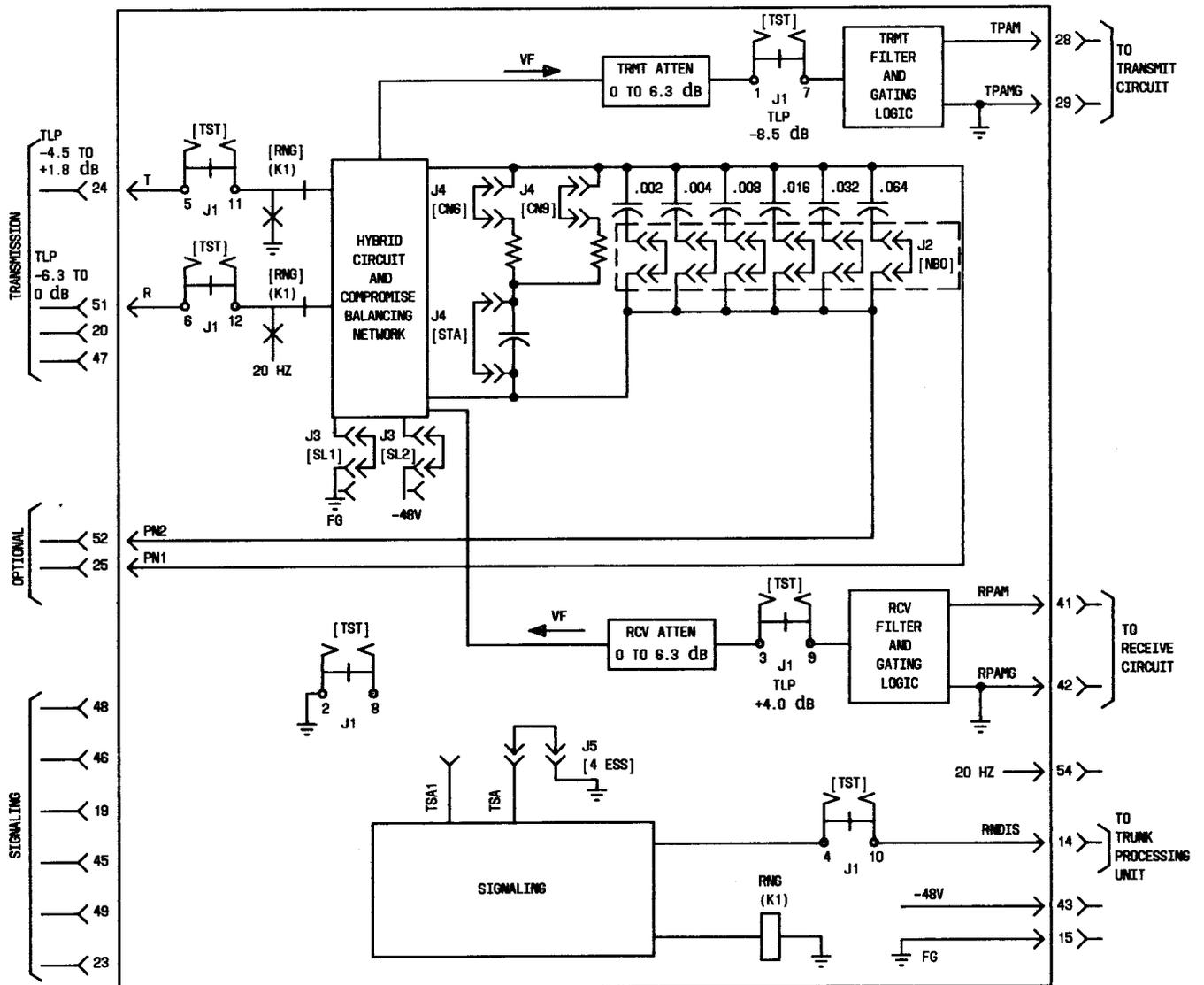


Fig. 1 — J98726BK-1 Block Diagram

NOTICE

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

The transmission circuitry for this unit consists of a hybrid with compromise balancing network, 0 to 6.3 dB attenuators, and network buildout circuitry.

The 2FXSLS channel unit is compatible with D4, D3, and D1D FXO channel units but not with D2 special access units.

For detail, see CD- and SD-3C338-01 and Section 365-170-115. 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.

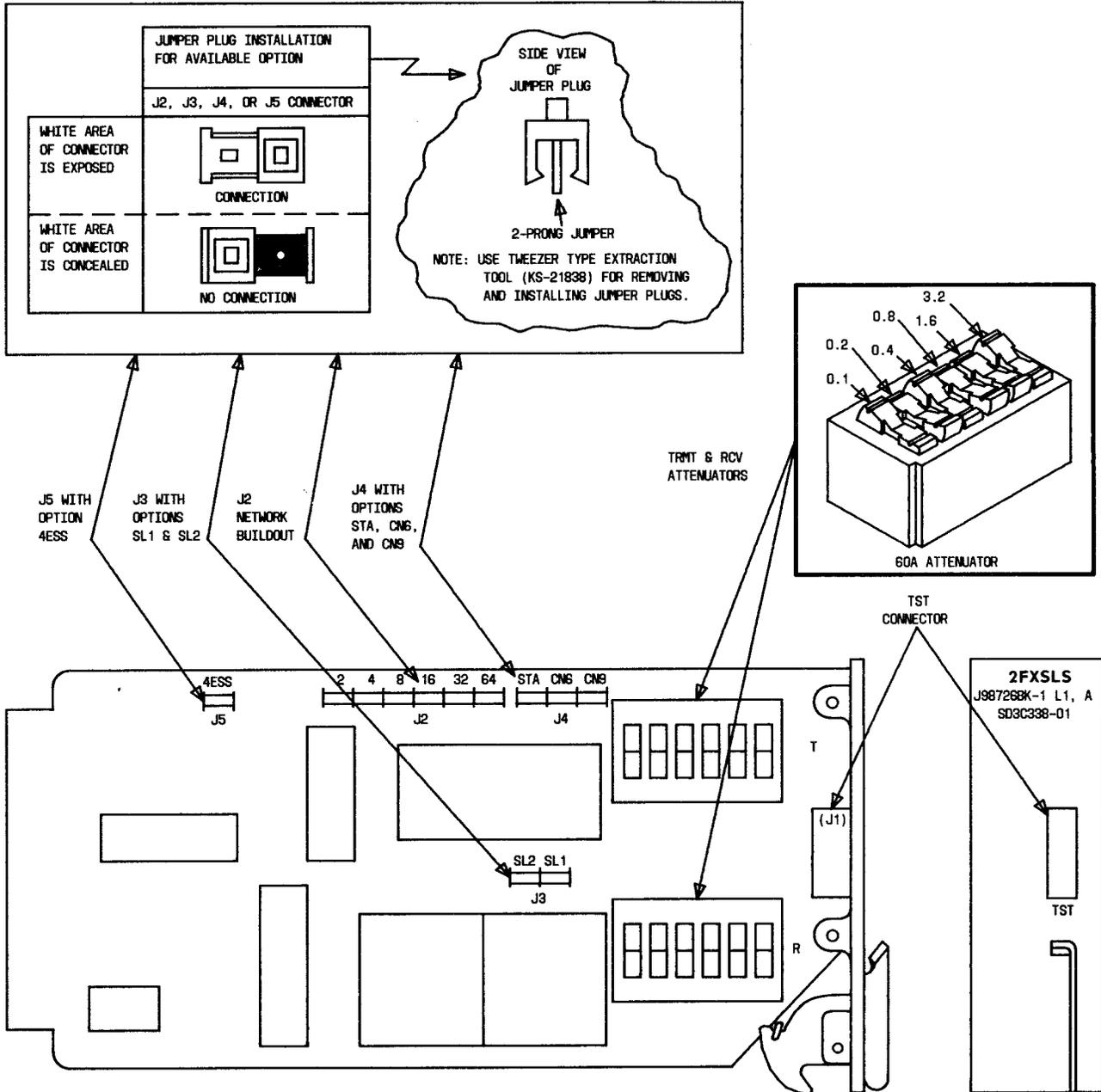


Fig. 2 — J98726BK-1 Component Layout

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 path in steps of 0.1 dB. 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 socket J2 according to circuit requirements. Network buildout is selected by inserting jumper plugs into the black side (white side showing) of the socket for desired values of capacitance (0.002, 0.004, 0.008, 0.0016, 0.032, or 0.064).

J3 WITH OPTIONS SL1 AND SL2: Select options SL1 and SL2 to the OFF position (black side

showing) when the channel unit is connected to a nonswitched loop having less than 300 ohms of resistance.

J4 WITH OPTIONS STA, CN6, AND CN9: Select option STA (white side showing) when the channel unit is connected to a nonswitched loop that is connected to a station set. Select options CN6 and CN9 in conjunction with the NBO option to provide the best transmit hybrid loss for each termination. Normally, option CN6 is selected to the OFF position (black side showing) and option CN9 is selected to the ON position (white side showing). Both options should be selected to the OFF position (black side showing) when a precision network is connected to the channel unit.

J5 WITH OPTION 4ESS: Select option (4ESS) (white side showing) when the channel unit is used to interface a No. 4ESS machine.