

J98726BL-1, L1A 2FXOLS CHANNEL UNIT D4CX800

DATA SHEET

D4 CHANNEL BANK

The 2-wire, 900-ohm Foreign Exchange Originating Loop Start (2FXOLS) channel unit (J98726BL) provides the interface between a D4 channel bank or SLC*-96 subscriber loop carrier system terminal and a 2-wire foreign exchange originating end loop start circuit. It is used for connection to foreign exchange lines, off-premise station lines, foreign exchange trunks from a PBX to a foreign 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 tip ground, tip open, and ringing current into pulses for the digital network. Similar pulses from the digital network are converted into loop closures for the switching equipment.

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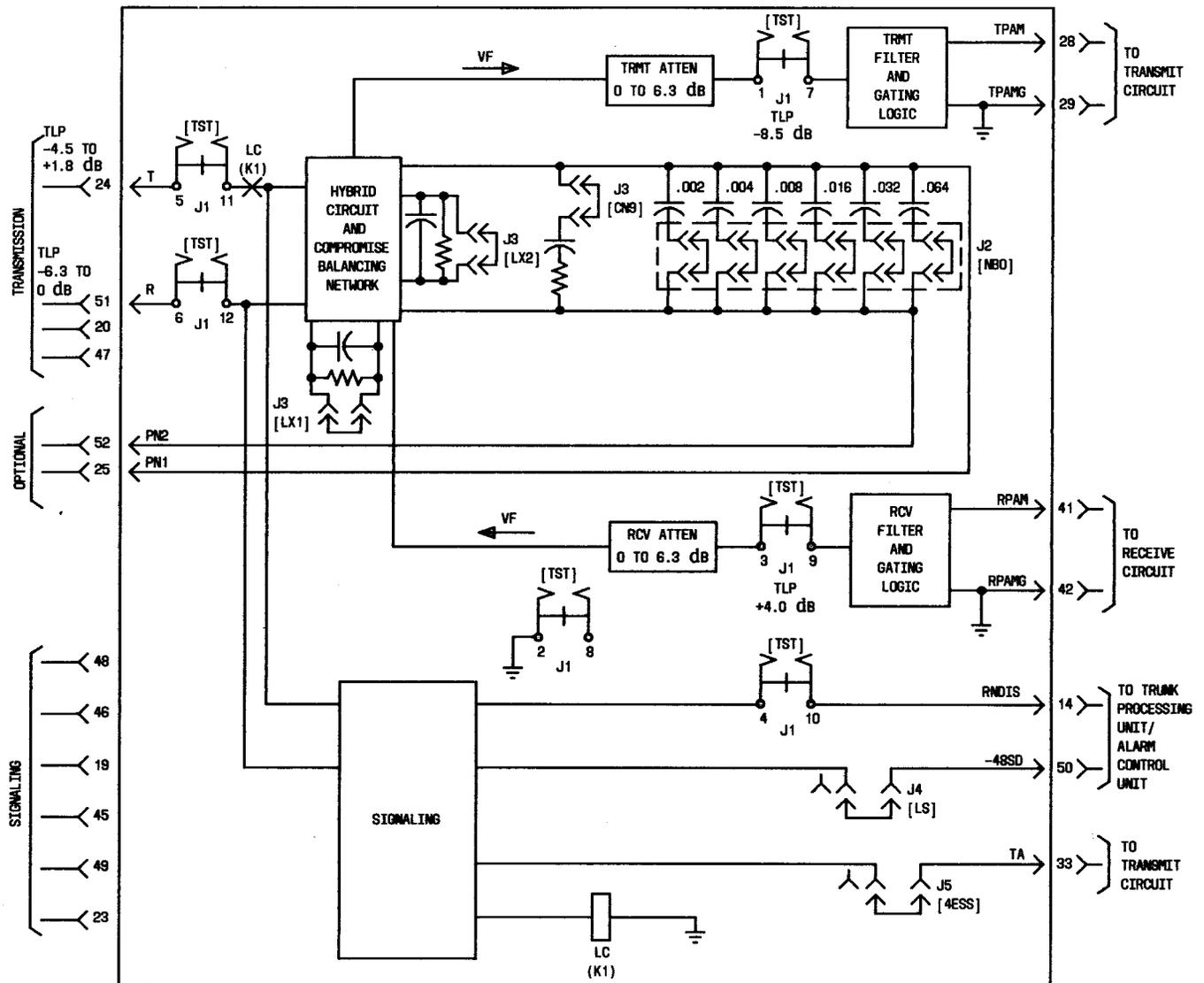


Fig. 1 — J98726BL-1 Block Diagram

NOTICE

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

SECTION 365-005-012

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 2FXOLS channel unit is compatible with D4, D3, and D1D FXS channel units, but not with D2 special access units.

For detail, see CD- and SD-3C339-01 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.

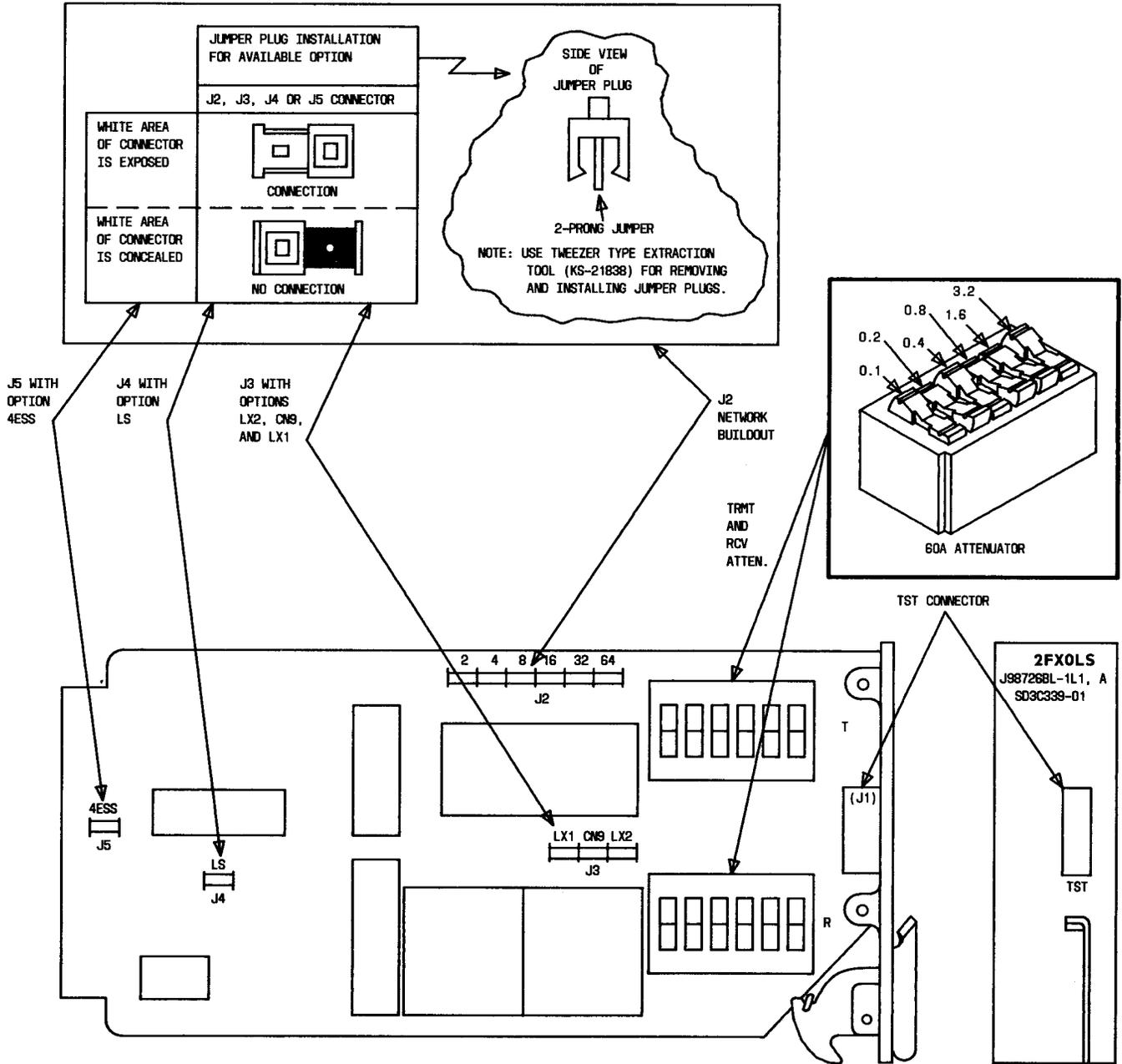


Fig. 2 — J98726BL-1 Component Layout

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 the 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 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, 0.016, 0.032, or 0.064).

J3 WITH OPTIONS LX2, CN9, AND LX1: Select options LX1 and LX2 (white side showing) when the channel unit is connected to a loop having more than 600 ohms of resistance. Select option CN9 (white showing) when a precision balance network is not connected to the channel unit.

J4 WITH OPTION LS: Select option LS (white showing) when it is desired to reoperate the LC relay 2 seconds after a carrier failure.

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