

## J98726DG-1, L1 PSDP CHANNEL UNIT D4DP1A0

### DATA SHEET

### D4 CHANNEL BANK

The Public Switched Dataport (PSDP) channel unit is used in carrier trunks for Circuit Switched Digital Capability (CSDC) and is sometimes referred to as the \*Trademark of Western Electric

CSDC dataport. It provides an interface between the D4 channel bank or SLC\*-96 Carrier System and a 64-kb/s DS0 office data signal from either the Digital Data System (DDS) or a non-DDS system. Unlike

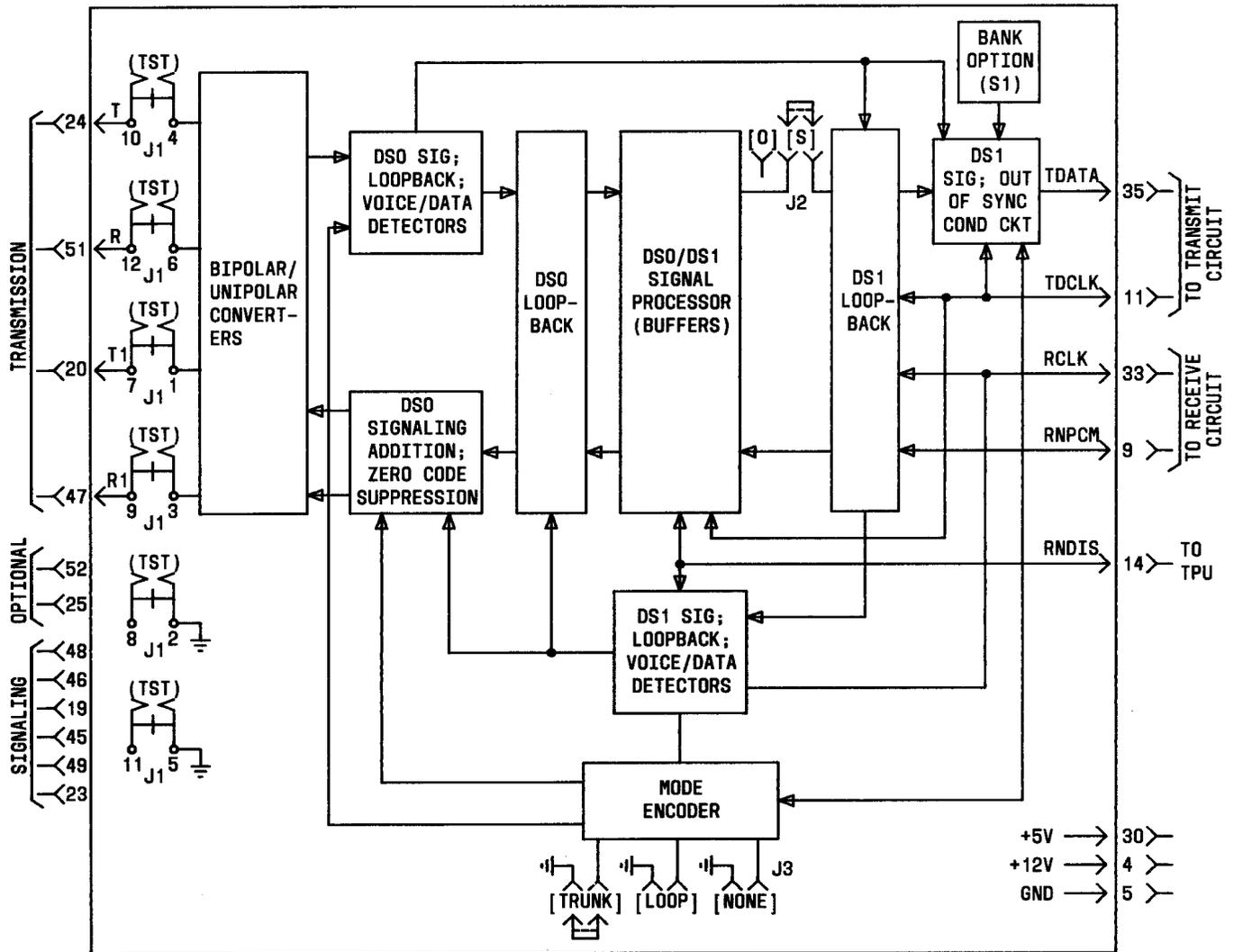


Fig. 1—J9876DG-1 Block Diagram

#### NOTICE

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other D4 dataport units, the PSDP channel unit has specialized features for encoded voice/data transmission and for end-to-end compatibility with RXO (remote exchange office end), TRXS (remote exchange subscriber end), alternate voice/data units for 1ESS\* Switch, and SLC-96 Carrier System terminals as well as another PSDP channel unit. The PSDP channel unit contains the circuitry for transmission of encoded voice, 64 kb/s data, and control signals in both directions along with accompanying signaling and supervision signals.

The transmission circuitry of this unit contains bipolar/unipolar converters and a DS0/DS1 signal processor along with zero code suppression and automatic signal loopback capabilities.

For detail, see CD- and SD-7C307-01 and Section 365-170-123.

Figure 1 is a functional block diagram of the unit and Fig. 2 gives major component locations and option information.

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**TST CONNECTOR:** Insertion of a test card into this connector provides splitting access to the T/R and T1/R1 leads.

**BANK OPTION:** This option conditions the PSDP channel unit for use in either a D4 channel bank or a SLC-96 Carrier System central office terminal. The channel unit is optioned by setting the slide switch (S1) on the faceplate to either the D4 or SLC position.

**S/O OPTION:** This is a factory test option only and should not be used otherwise. The S position of jack J2 is used for all modes of operation.

**SIGNALING OPTION:** This option conditions the PSDP channel unit for the various signaling requirements. Three signaling modes (M1, M2, and M3) are available by inserting the option plug into the desired socket of jack J3. The viewing port on the faceplate enables the operator to see which signaling mode has been selected within the installed channel unit. The TRUNK mode (M1) is used for trunking to a voice/data channel unit in an ESS switch direct carrier trunk. The LOOP mode (M2) is used in remote exchange or SLC Carrier System configurations. The other signaling mode (M3) is labeled NONE and is used for common channel interoffice signaling (CCIS) in which no signaling is sent. This makes the channel unit transparent to both voice and data.

S/O OPTION (FACTORY USE ONLY)

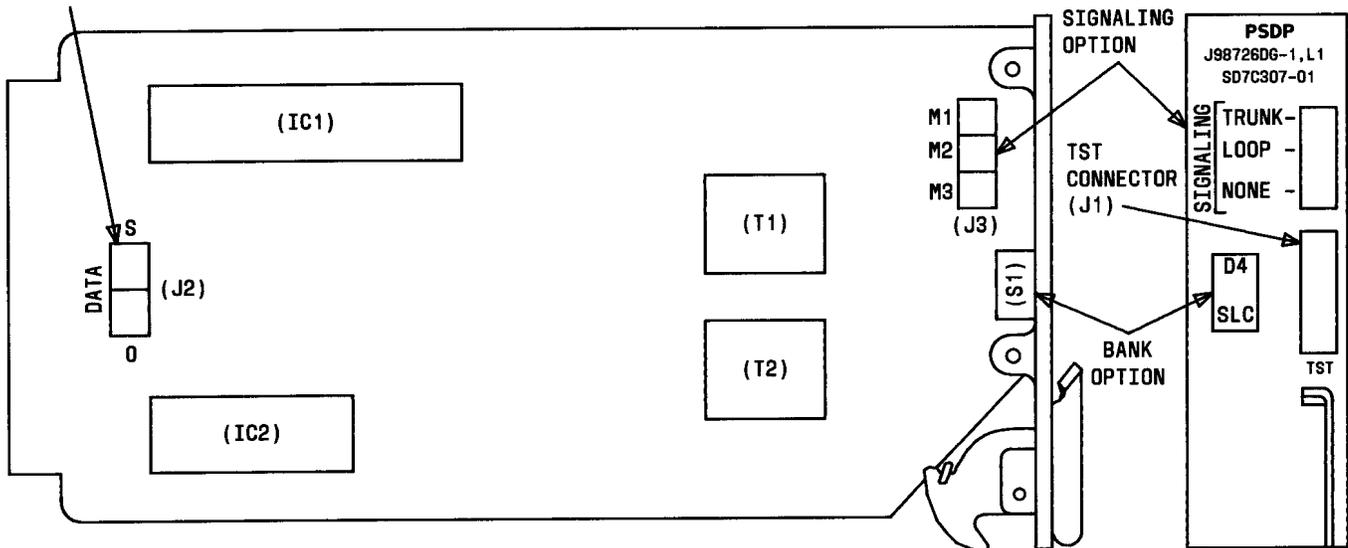


Fig. 2—J9876DG-1 Component Layout