

AUA13 LINE SWITCH UNIT—DS1 INTERFACE 5SCS110AXX

DATA SHEET

SLC® SERIES 5 CARRIER SYSTEM

The AUA13 line switch unit (LSU) is used in both the SLC Series 5 central office terminal (COT - J1C182AA) and the SLC Series 5 remote terminal (RT

- J1C182AB and J1C182AC). It provides the 4:1 (main to protection) protection switching feature of the SLC Series 5 system.

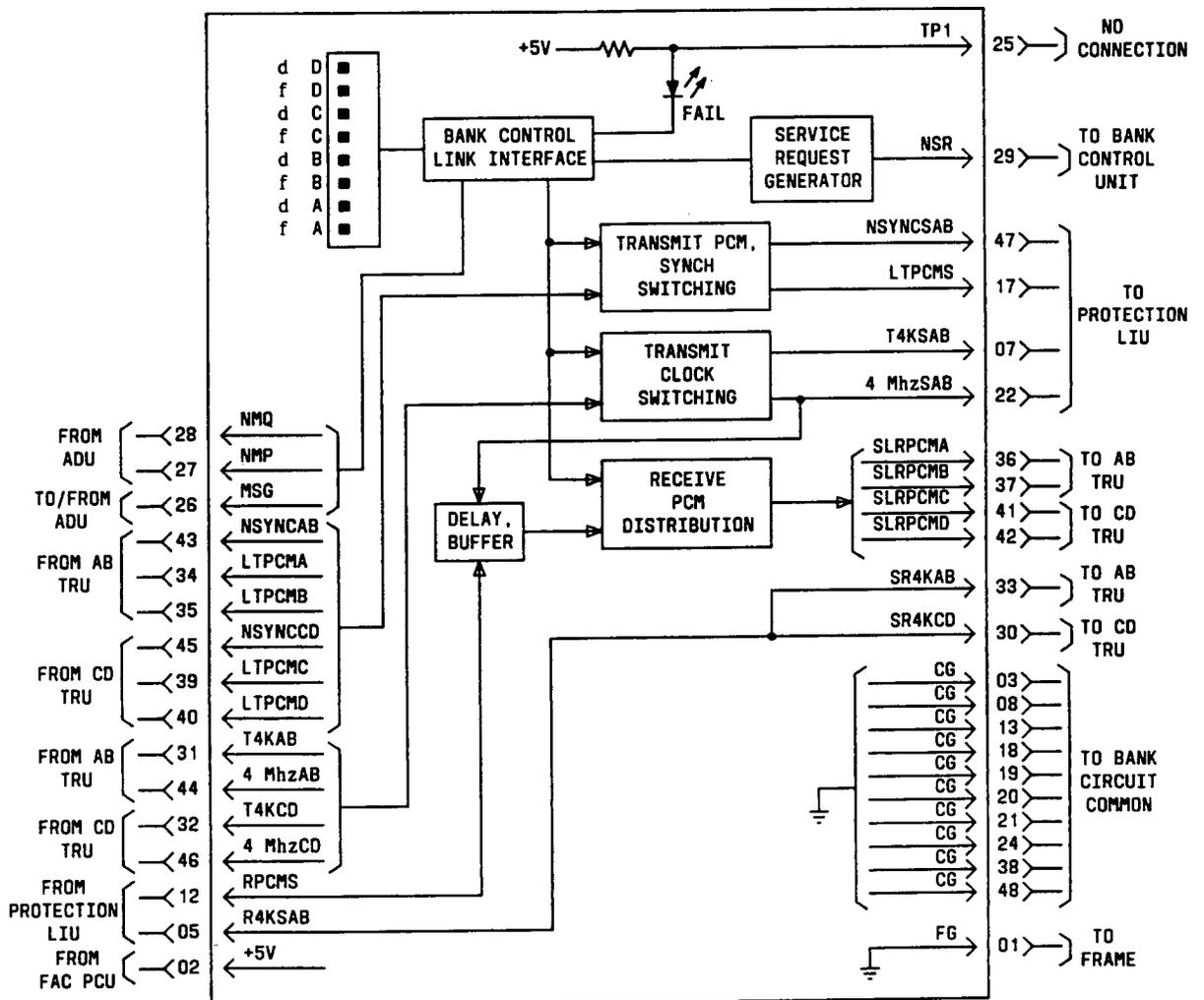


Fig. 1—AUA13 Block Diagram

In the transmit direction, the two transmit/receive units (TRUs) (e.g., AUA1) dual feed the transmit PCM bit stream, synchronization signals, and clock signals from the four digroups to the AUA13. Following directions given to it by the bank controller unit (BCU), the AUA13 routes one of the digroups to the protection LIU.

In the receive direction, the protection LIU sends the receive PCM bit stream and a 4-kHz clock extracted from the DS1 input to the AUA13. The 4-kHz clock is distributed to both TRUs. Following directions given to it by the bank controller, the AUA13 routes the received PCM bit stream to the digroup using the protection line.

Figure 1 is a functional block diagram of the unit, and Fig. 2 shows the positions of the switches and indicators on the faceplate.

FAIL: When lighted, this LED indicates that a failure has been sectionalized to this plug-in.

d D: When activated, this switch denies D digroup access to the protection line.

f D: When activated, this switch forces the D digroup onto the protection line.

d C: When activated, this switch denies C digroup access to the protection line.

f C: When activated, this switch forces the C digroup onto the protection line.

d B: When activated, this switch denies B digroup access to the protection line.

f B: When activated, this switch forces the B digroup onto the protection line.

d A: When activated, this switch denies A digroup access to the protection line.

f A: When activated, this switch forces the A digroup onto the protection line.



Fig. 2—AUA13 Faceplate Diagram