

AUB68 XTC TEST UNIT "B"
DATA SHEET
***SLC*[®] SERIES 5 CARRIER SYSTEM**

The AUB68 XTC test unit B (XTUB) works in conjunction with the AUB67 (XTUC) and the AUB65 (XTUD) test units to form a complete tester unit for the extended test controller (XTC). The functions of the AUB68 are as follows:

- To provide an interface to the digital bitstream from/to the AUB65 test unit
- To direct the analog signals to the proper test busses on the AUB67 test unit and
- To enable the AUB65 and AUB67 test units to make signaling, transmission, and noise measurements on all types of channel units by providing voice-frequency (VF) interface and codec (analog/digital) functions.

A functional block diagram of the AUB68 is shown in Fig. 1. The faceplate is shown in Fig. 2.

The AUB65 provides control signals to a pair of codecs and also transmits/receives pulse-code modulation (PCM) data. The analog signals from/to the codecs are directed to, or received from the 2W/4W,

current sink (CS)/current feed (CF) units. The selection of the type of unit is controlled from the AUB65 test unit via an input/output (I/O) expander. The I/O expander also operates a relay matrix for the flow of signals between the AUB67 and AUB68, and thereby enables the AUB68 test unit to participate in providing access to mechanized loop testing (MLT) or local test desk and switched access remote testing system (SARTS), and performing tests on 2W/4W channel units. The AUB68 also provides loopback arrangements to permit self-testing of the overall 3-board tester function.

The AUB68 interfaces with the AUB60 (XPCU) and the AUB67 to obtain proper power supplies. The relay matrix, in particular, is operated from a switched -48 volts supply (from the AUB67) to ensure chatter-free operation. There is a red (FAIL) LED on the faceplate to indicate the failure of the composite tester unit consisting of the AUB65, AUB67, and AUB68 boards. The red LED of each of these boards will light in parallel because faults cannot be sectionalized between them.

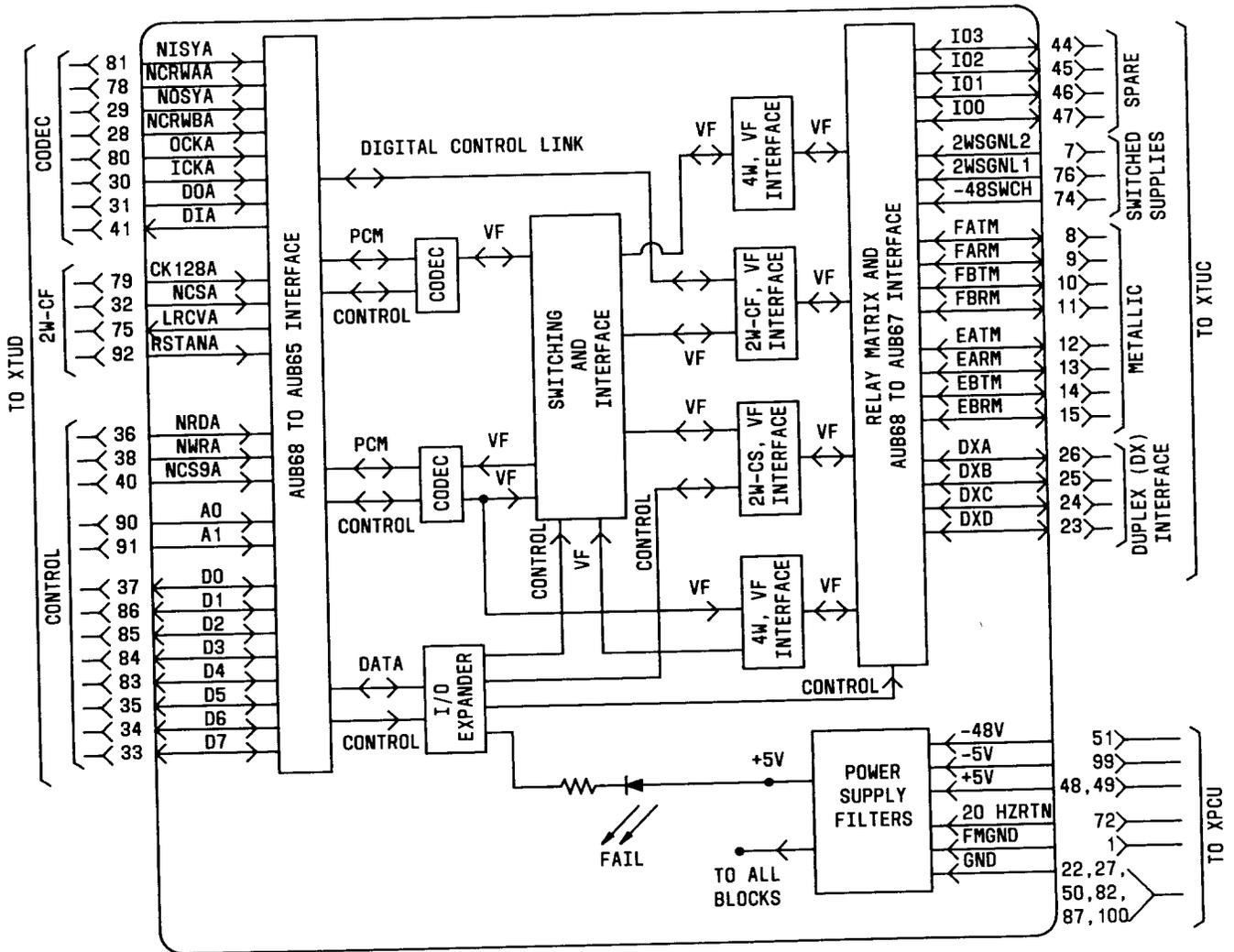


Fig. 1—AUB68 XTUB Block Diagram



Fig. 2—AUB68 Faceplate Diagram