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AUB63 XTC DATA LINK UNIT

DATA SHEET

SLC® SERIES 5 CARRIER SYSTEM

The AUB63 XTC data link unit (XDLU) provides the communication link between the switched access remote testing system (SARTS) and the extended test controller (XTC). It communicates with SARTS using one protocol and with the XTC controller unit (XCU) using another protocol. Consequently, its fundamental role in the XTC is to translate one protocol into the other, and vice versa. Other roles are self maintenance, maintenance upon XCU request, visual and electrical alarms, etc. The 75-Hz clock is used for timing.

Among the maintenance functions, a loopback capability is included. This capability is invoked by the XDLU or by the XTC controller and it tests the input-output drivers of the XTC-SARTS data link.

Figure 1 is a functional block diagram of the AUB63 XTC DLU. Figure 2 shows the faceplate.

The XDLU has two visual indicators, a red LED and a yellow LED, on its faceplate. The red (FAIL) LED will light whenever a failure is detected within the AUB63 plug-in. The yellow (LINK FAIL) LED lights to whenever a failure is detected on one of its interfaces.

The red and yellow LEDs are turned on when the XDLU is first powered up. They extinguish after initialization.

XDLU-XCU INTERFACE: The serial data link to the MC97734-01 consists of three leads. The three leads allow the MC97734-01 to enable and provide bidirectional communication with the AUB63.

SARTS INTERFACE: The XDLU communicates with SARTS over four lines, two for each direction. Its interface complies with EIA RS-449 as physical interface, and with RS-423 for electrical characteristics. It uses an asynchronous ASCII character protocol with a start bit, seven data bits, even parity and one stop bit. The rate is set at 1200 baud.

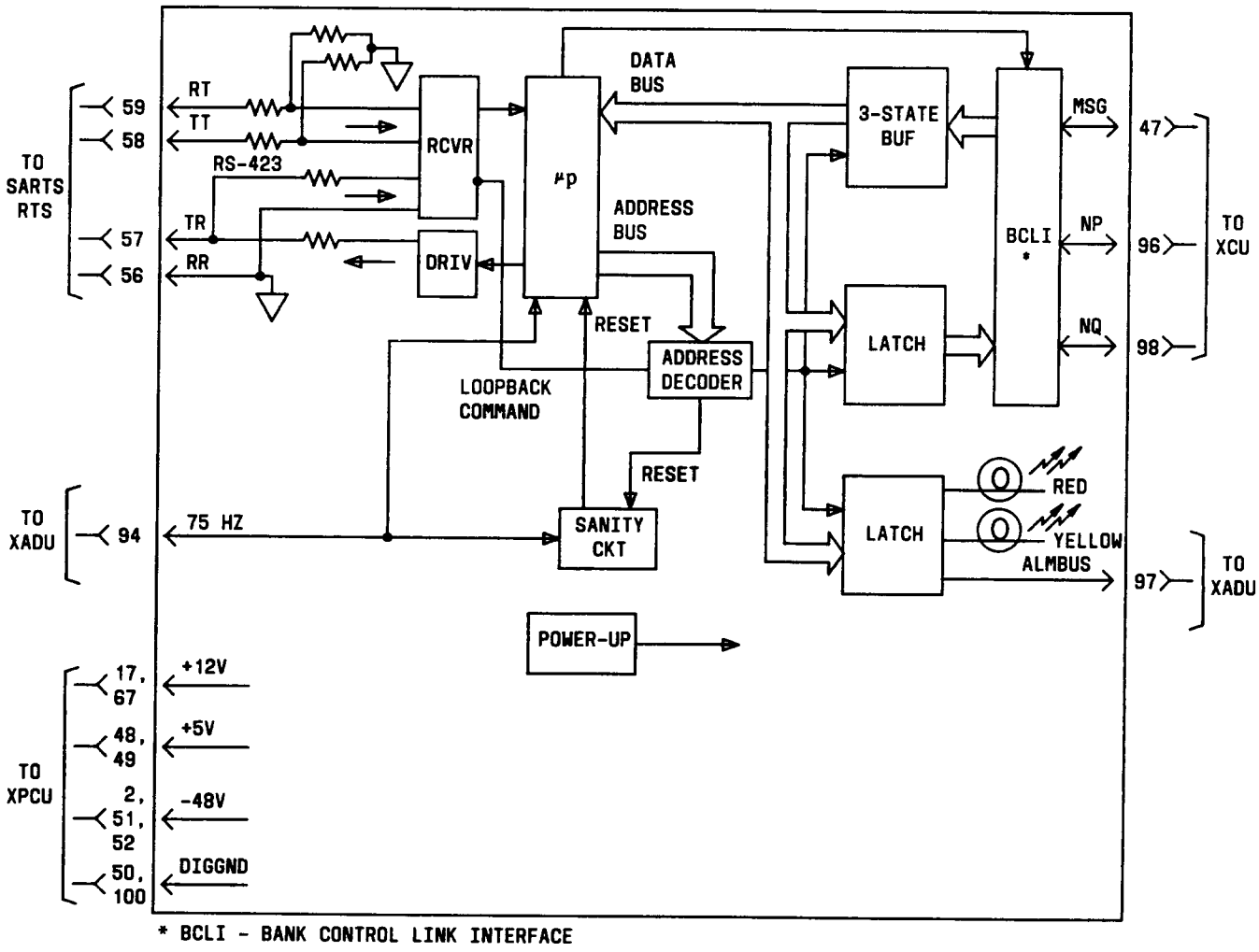

Fig. 1—AUB63 XDLU Block Diagram

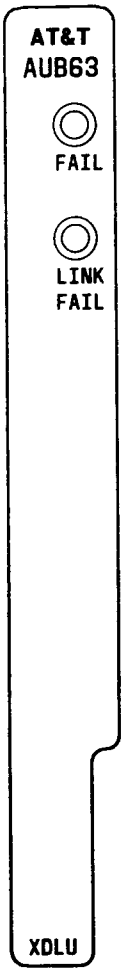

Fig. 2—AUB63 Faceplate Diagram