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AUB63B XTC DATA LINK UNIT - 5SXT320AXX

DATA SHEET

SLC® SERIES 5 CARRIER SYSTEM

The AUB63B XDLU (XTC data link unit) (COMCODE 104436936) is a direct replacement for the AUB63. The AUB63B XDLU communicates with SARTS (Switched Access Remote Test System) or COP (Centralized Operations and Provisioning) using one protocol, and with the XCU (XTC controller unit) using another protocol.

TABLE A lists the capabilities of the AUB63B when installed in the XDLU-1 and XDLU-2 slots of the XTC (eXtended Test Controller). Figure 1 is a functional block diagram of the AUB63B and Figure 2 shows the faceplate and LED indicators.

TABLE A
AUB63B CAPABILITIES IN THE XTC

XCU	XTC SLOT	COMMUNICATIONS LINK
MC97734A1	XDLU1 XDLU2	The XTC and SARTS Not Used
MC97761A1	XDLU1 XDLU2	The XTC and SARTS The XTC and COP

The fundamental role of the AUB63B in the XTC is to translate one protocol into the other, and vice-versa. Other roles are self maintenance, maintenance upon request of the XCU, visual and electrical alarms, and other similar tasks. The 75-Hz clock is used for timing.

A loopback capability is included among the maintenance functions. This capability is invoked by the XTC controller and tests the input-output drivers of the XTC-SARTS/COP data link.

Note: The red and yellow LED indicators light when the XDLU is first powered up, then go off after initialization.

FAIL (Red LED): When lighted, this LED indicates that the AUB63B has failed.

LINK FAIL (Yellow LED): When lighted, this LED indicates that the AUB63B has detected a failure on its communications link to SARTS when installed in the **XDLU1** slot of the XTC. This LED is not used when the XDLU is inserted in the **XDLU2** slot of the XTC (COP applications).

The XDLU communicates with the XCU over a serial data link interface that consists of three leads. The three leads allow the XCU to enable and provide bi-directional communication with the AUB63B.

The XDLU communicates with SARTS or COP over four wires, two for each direction. The interface complies with RS-423 electrical characteristics. The XDLU to SARTS or COP interface uses an asynchronous ASCII character protocol with a start bit, seven data bits, even parity, and one stop bit. The baud rate is set at 1200.

Technical assistance for the *SLC* Series 5 Carrier System can be obtained by calling the Regional Technical Assistance Center at **1-800-225-RTAC**. This telephone number is staffed 24 hours per day.

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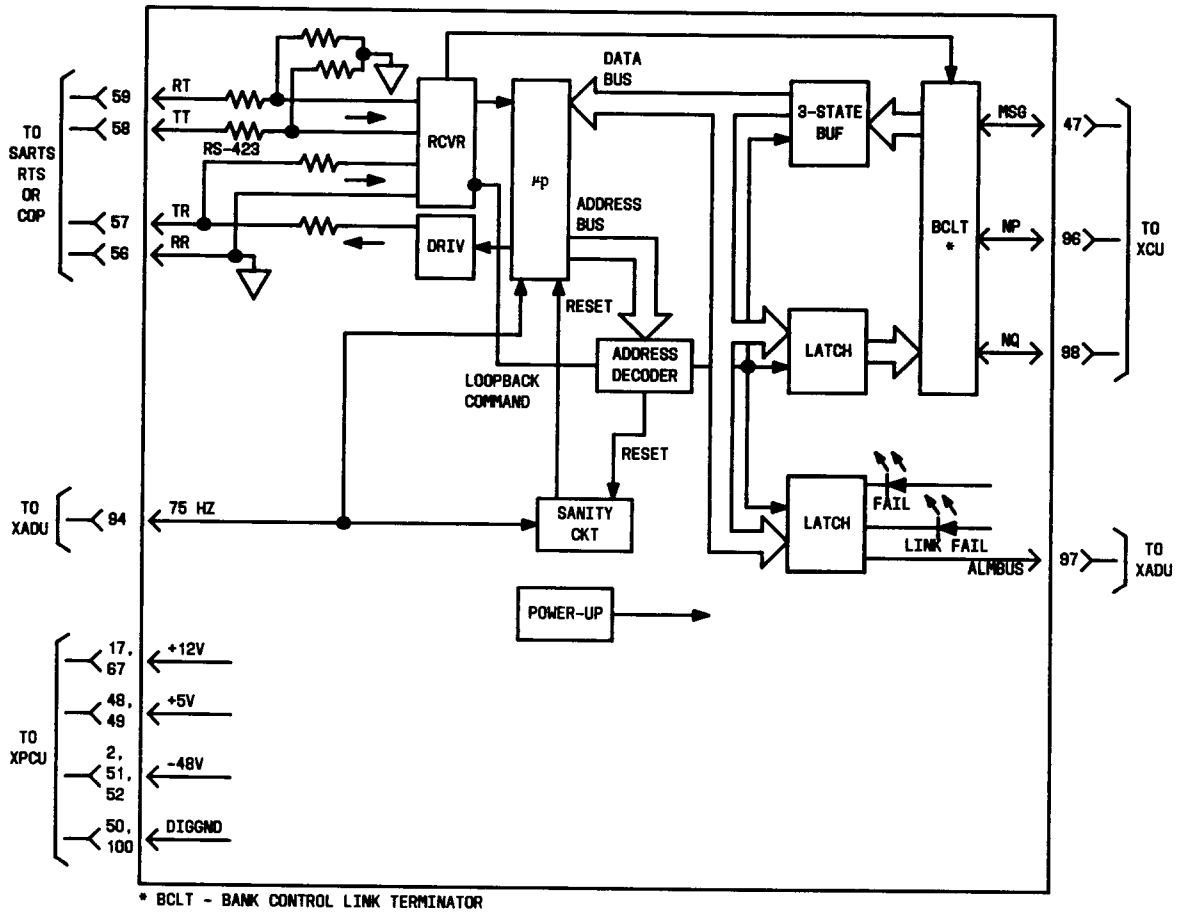

Figure 1—AUB63B block diagram

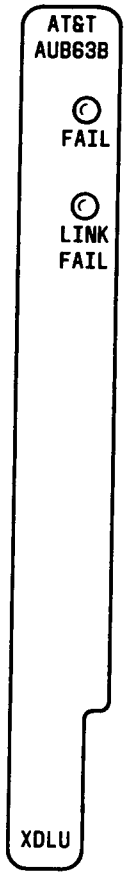

Figure 2—AUB63B faceplate