MC97761A1 XTC CONTROLLER UNIT - 5SXTA20BXX

DATA SHEET

SLC ® SERIES 5 CARRIER SYSTEM

The MC97761A1 XCU (XTC controller unit) (COMCODE 105458319) is used in the XTC (eXtended Test Controller) J1D182XA-1, L1 control shelf. The MC97761A1 XCU is a direct replacement for the MC97734A1 XCU, but with added features for the XTC:

- ■ Provides the channel unit isolation testing capabilities for the multiparty, FSR (frequence-selective ringing), and DID (direct inward dial) channel units.

- ■ Supports the COP (centralized operations and provisioning) feature.

- ■ Displays TRCs (test result codes) on the ERROR CODE display.

The XCU controls the various XTC plug-in units. The XTC performs channel unit tests and provides access between the SLC Series 5 Carrier System and SARTS (Switched Access Remote Test System), MLT-1 (Mechanized Loop Testing System - 1), MLT-2, and COP. The XCU also handles performance monitoring and fault diagnosis for the XTC.

Figure 1 is a functional block diagram of the MC97761A1 and Figure 2 shows the faceplate and LED indicators.

The XCU contains a microcomputer with random access memory, a system program memory, associated timing and reset circuits, an alphanumeric error code display, a fail indicator, and test pin jacks. The XCU provides a serial interface to the other plug-ins in the XTC to control the plug-ins and indicator lights.

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

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

L1 (Yellow LED): For future use.

L2 (Yellow LED): Used during functional test of XTC tester units.

ALM TEST: For future use.

TST1: For future use.

TST2: Used in conjunction with the L2 LED to test the tester units of the XTC.

ERROR CODE (7-segment LED display): This alphanumeric display indicates the nature of the failure within the XTC, between the XTC and a Carrier System, or a TRC. See AT&T 363-205-300 (Issue 2), Extended Test Controller — Description, Installation, and Maintenance for operating procedures and interpretation of the TRCs. The meanings for the error display codes are given in TABLE A.

TABLE A XTC CONTROL UNIT ERROR DISPLAY CODES	
ERROR CODE DISPLAYED	DEFINITION
1	Permanent Seize
2	Permanent Seize Busy (SEZBY)
3	Permanent Major Alarm (TMAJ)
4	Permanent Tone Detect
6	Permanent Sleeve A (SLV A)
7	Permanent Sleeve B (SLV B)
8	Permanent Sleeve C (SLV C)
9	Permanent Sleeve D (SLV D)

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.

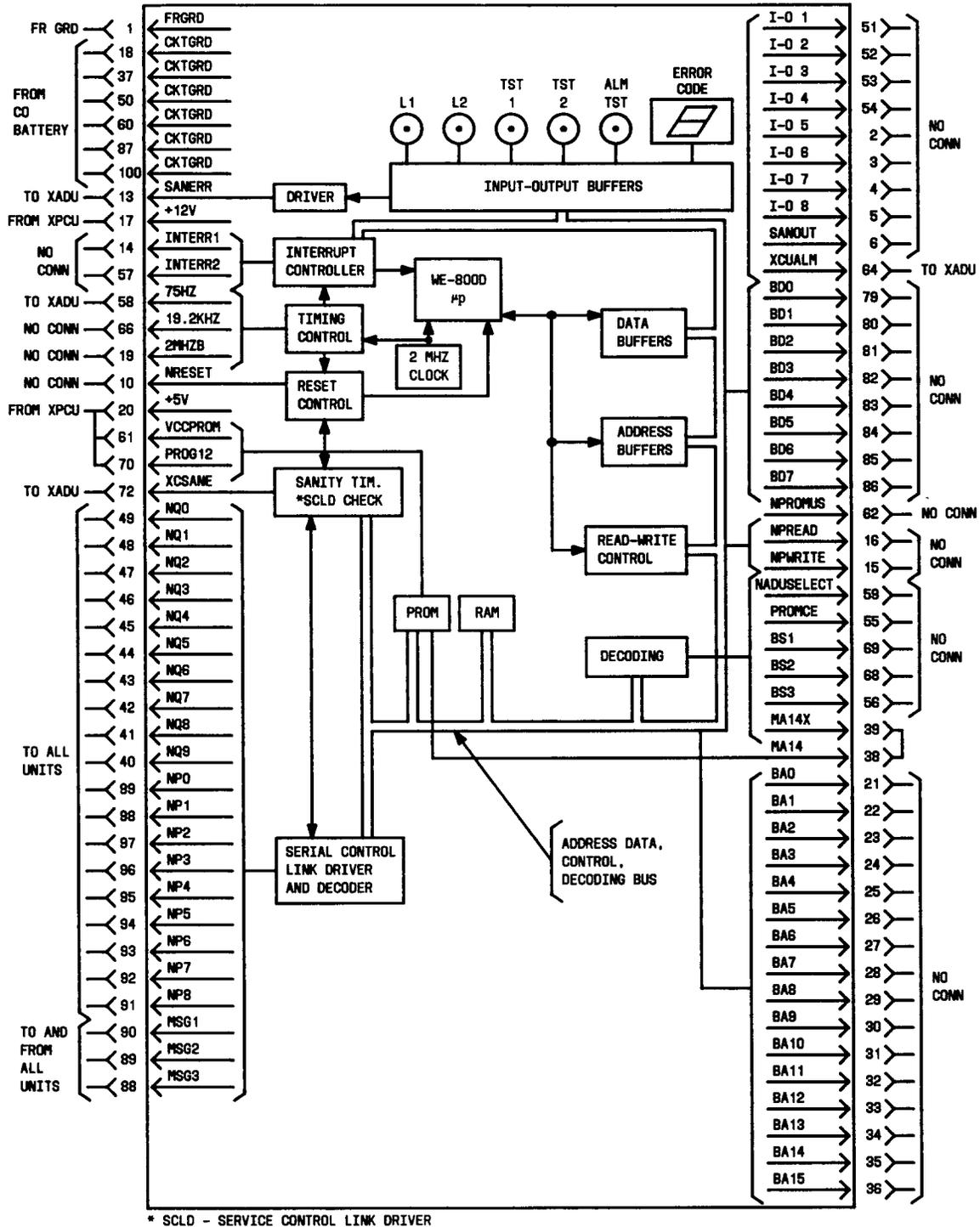Published by
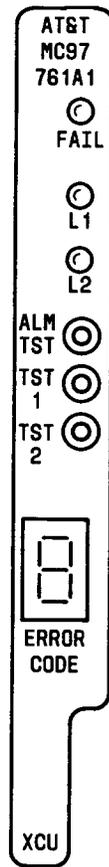The AT&T Documentation Management Organization.

Figure 1—MC97761A1 block diagram

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Figure 2—MC97761A1 faceplate