MC97725A1 (COT) BANK CONTROL UNIT—5SCSFOOCXX

DATA SHEET

SLC® SERIES 5 CARRIER SYSTEM

The MC97725A1 bank control unit (BCU) is used in the SLC Series 5 system central office terminal (COT) J1C182AA. The MC97725A1 is used with the AUB6 alarm display unit (ADU).

This practice has been reissued to change Fig. 1 and Fig. 2 and to make minor editorial changes.

Together, the BCU and the AUB6 form the bank (system) controller for a Series 5 96-line system. The bank controller handles:

- Internal performance monitoring and fault diagnosis

- Central office (CO) and remote alarm outputs

- Craft inputs for options, alarm cut-off, system identification number. (System identification number switches are located on ADU.)

- Channel unit option setting via the craft interface unit (CIU).

- Per line demand testing via the extended test controller or the pair gain test controller

- T1 line protection switching.

The BCU units located in the COT and the remote terminal (RT) communicate with each other over a data link embedded in the A-digroup bitstream.

The BCU contains a microcomputer that is the core of the bank controller. It also has a system program memory, electrically erasable memory for the semipermanent storage of channel unit option information, and a random-access memory. The BCU controls a data link used to exchange system alarm, T1 line protection switch, circuit test, and channel unit option setting information with the RT.

This unit is physcially identical to the MC97726A1 BCU. The firmware for the MC97725A1 is specifically designed for COT application.

Figure 1 is a functional block diagram of the unit, and Fig. 2 shows the unit faceplate. Indicators on the faceplate provide the following information.

FAIL (RED LED): When lighted, this LED indicates that a failure has been sectionalized to this BCU.

> *Note:* When a system is being turned up, a FAIL indicator may not indicate failure of the unit. See AT&T Practice 363-205-406 (TOP).

PMN (YELLOW LED): When lighted, this LED indicates a failure in the ac power plant or the ac rectifier at the remote terminal site.

MISC1 (YELLOW LED): When lighted, this LED indicates that the RTMISC1 input closure at the remote terminal has been activated.

MISC2 (YELLOW LED): When lighted, this LED indicates that the RTMISC2 input closure at the remote terminal has been activated.

A (RED LED): When lighted, this LED indicates that the A digroup is in trunk processing.

B (RED LED): When lighted, this LED indicates that the B digroup is in trunk processing.

C (RED LED): When lighted, this LED indicates that the C digroup is in trunk processing.

D (RED LED): When lighted, this LED indicates that the D digroup is in trunk processing.
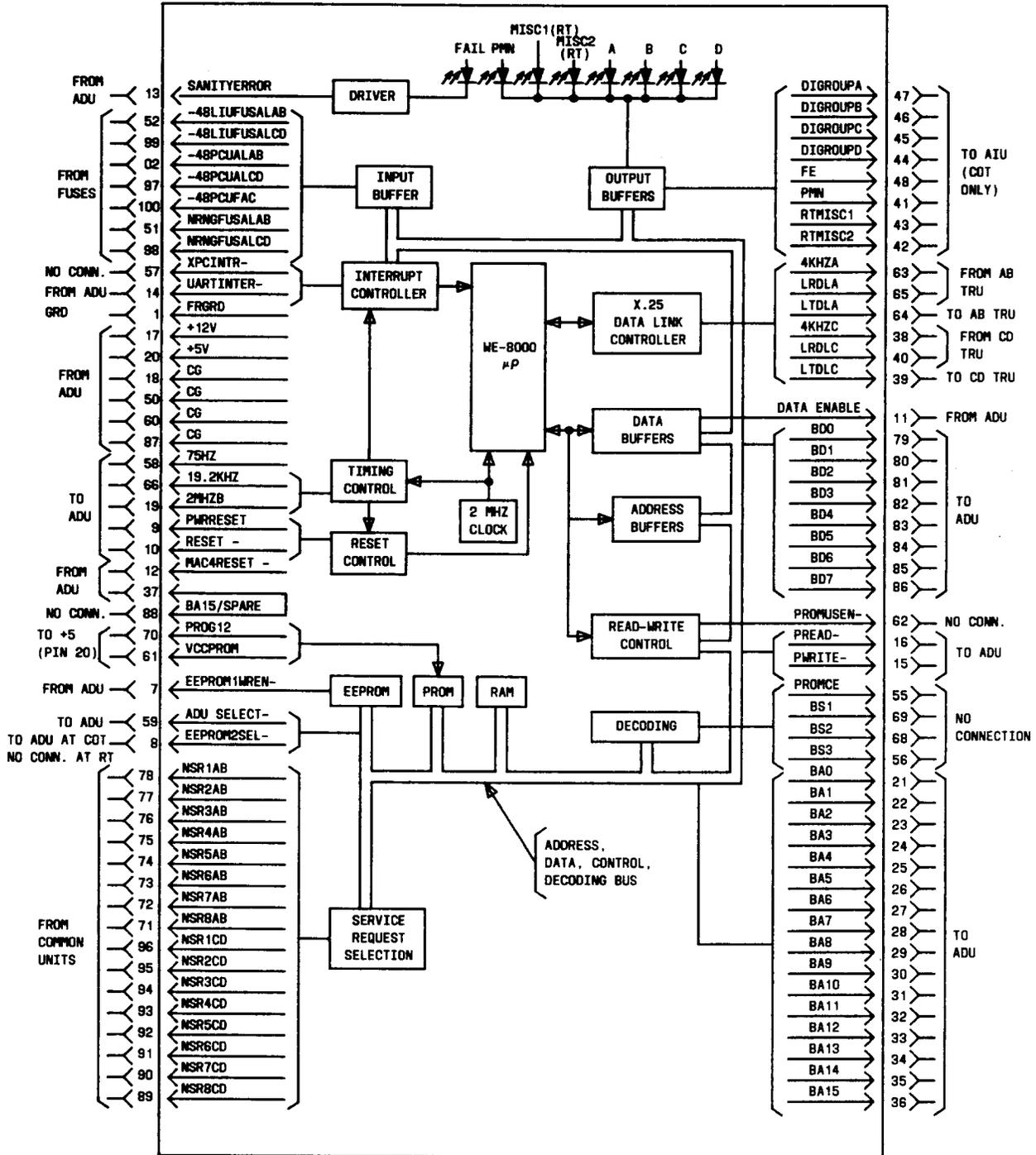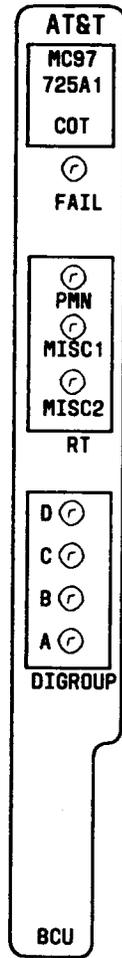
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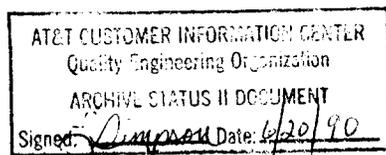
Fig. 1—MC97725A1 Block Diagram

Fig. 2—MC97725A1 Faceplate Diagram