MC97722A1 (COT) BANK CONTROLLER UNIT—5SCSD00CXX

DATA SHEET

SLC® SERIES 5 CARRIER SYSTEM

The MC97722A1 bank control unit (BCU) is used in the SLC Series 5 system central office terminal (COT - J1C182AA). The MC97722A1 is used with the AUB1 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 AUB1 form the bank controller for the Series 5 96-line bank. The bank controller handles internal performance monitoring and fault diagnosis, central office (CO) and remote alarm outputs, craft inputs, per line demand testing via the pair gain test controller, and T1 line protection switching. The BCU units located in the COT and the RT communicate with each other over a data link embedded in the A digroup.

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

This unit is physically identical to the MC97723A1 BCU. The firmware for the MC97722A1 is specifically designed for COT application.

Figure 1 is a functional block diagram of the unit, and Fig. 2 shows the faceplate.

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

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.

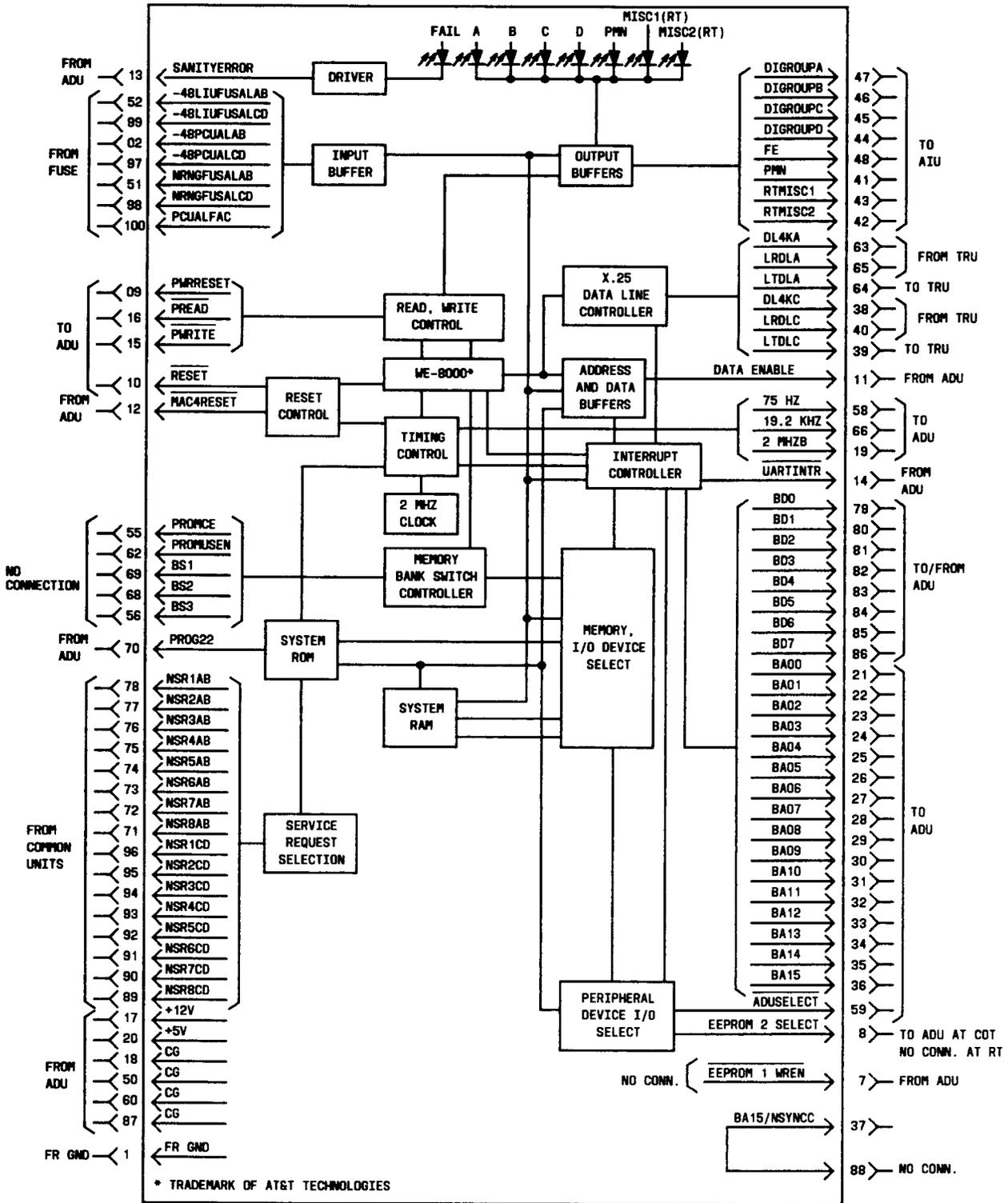Published by
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Fig. 1—MC97722A1 Block Diagram

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  AT&T
 ┌─────┐
 │MC97 │
 │722A1│
 │     │
 │ COT │
 └─────┘
   (r)
  FAIL

 ┌─────┐
 │ (r) │
 │ PMN │
 │ (r) │
 │MISC1│
 │ (r) │
 │MISC2│
 └─────┘
   RT

 ┌─────┐
 │D(r) │
 │C(r) │
 │B(r) │
 │A(r) │
 └─────┘
 DIGROUP




   BCU
```
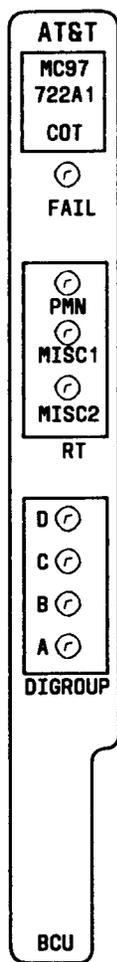
Fig. 2—MC97722A1 Faceplate Diagram