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## **SLC<sup>®</sup> Series 5 Carrier System**

### **AUA163 Elastic Memory Unit — 5SLI400**

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This data sheet describes the AUA163 elastic memory unit (EMU) (COMCODE 106458789) and is intended for the end-user of the unit. The AUA163 EMU is used in the SLC<sup>®</sup> Series 5 Carrier System Feature Package I (FPI) remote terminal (RT) to provide timing adjustment of the transmit and receive pulse code modulation (PCM) between the AUA161 line interface unit (LIU) and the transmit/receive unit (TRU) for digroups C and D. The AU 163 EMU resides in slot C for Mode 4 operation and replaces the AUA162 LIU used in FPI for Modes 1 and 2 operation. The AUA163 EMU is required for Mode 4 operation to provide 4:1 concentration.

Figure 1 is a functional block diagram of the AUA163 EMU, and Figure 2 shows the faceplate.

In the transmit direction, the ABCD signaling bits and derived data link (DDL) are extracted from the 4.096 Mb/s format pulse code modulation (PCM) and forwarded to LIUs A or P for transmission to the *GTD-5*<sup>\*</sup> EAX through the remote data link control (RDLC) link. The 4.096 Mb/s format transmit PCM is time adjusted to be time slot synchronized at the AUA161 LIU.

In the receive direction, the 4.096 Mb/s format receives PCM from the LIU that is time adjusted to be time slot synchronized to the TRU for digroups C and D. The ABCD signaling bits and DDL, from the LIU RDLC link processing, are inserted into the receive PCM stream.

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\* Registered trademark used under license from the GTE Corporation.

The following LED indicators are located on the faceplate of the EMU.

**CLF (Yellow LED)** — When flashing, this faceplate-mounted LED indicates that the unit has internally started itself but has not been initialized by the *GTD-5* EAX.

**FAIL (Red LED)** — On installation of the EMU, this faceplate-mounted LED lights to indicate that the EMU is being initialized. If the LED indicator remains lighted after 30 seconds, a hardware failure has been located on the EMU.

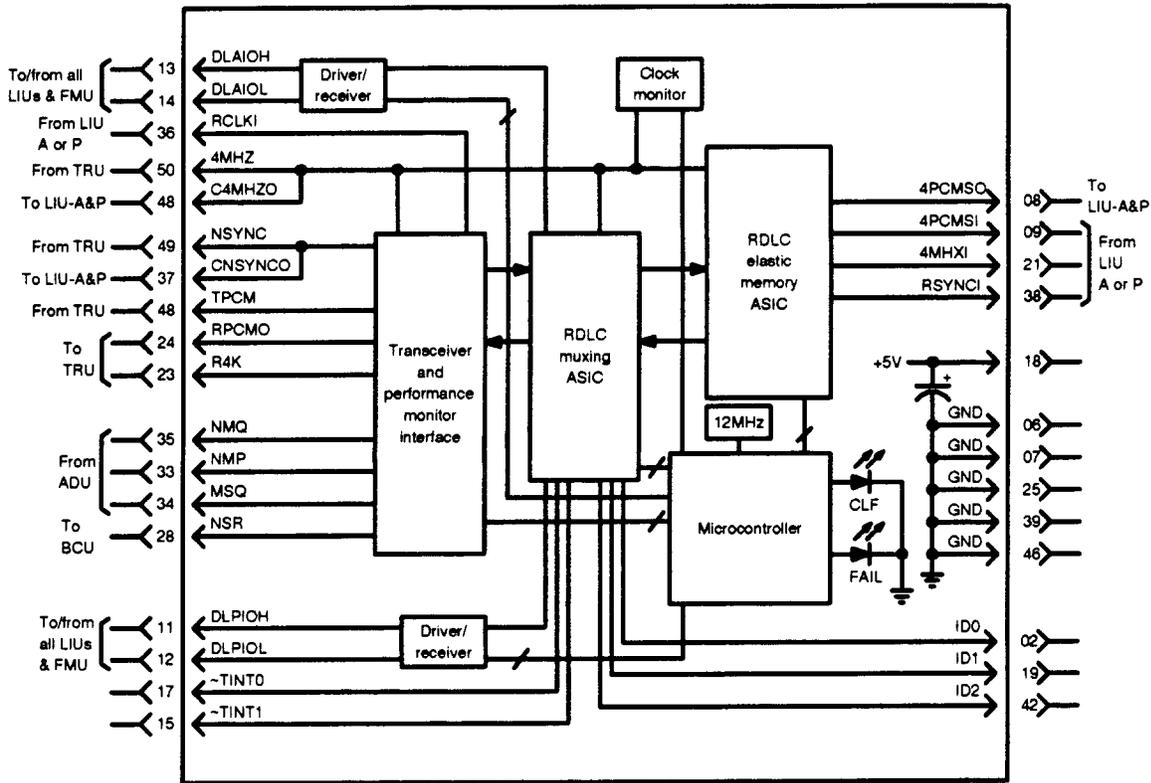
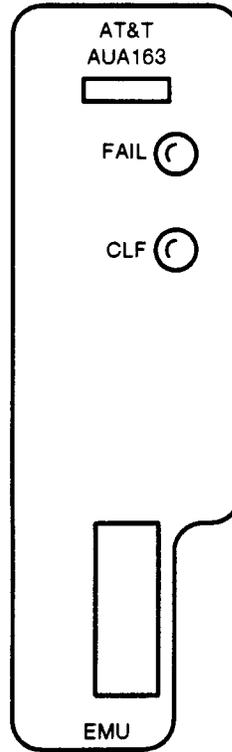


Figure 1. AUA163 EMU Block Diagram



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**Figure 2. AUA163 EMU Faceplate**

Follow local procedures for obtaining technical assistance. AT&T also provides in-hours or emergency out-of-hours help for the *SLC* Series 5 Carrier System. Call the AT&T Regional Technical Assistance Center at **1-800-225-RTAC**.

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