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## *SLC*® Series 5 Carrier System

### AUA117 DS1 Digital Connectivity Unit - Right 5SCS5C0

#### Data Sheet

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This data sheet describes the AUA117 DS1 digital connectivity unit - right (DCU-R) (COMCODE 106018120) and is intended for the end-user of this unit. The AUA117 CU works with the AUA16 digital connectivity unit - left (DCU-L) in a *SLC*® Series 5 Carrier System conversion cabinet to provide a DS1 rate interface with a D1D Fs framing format.

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

The input (CRPCM) from the transmit-receive unit (TRU) and the output (LRPCM) to the DCU-L are in pulse code modulation (PCM) format. Data channels pass through the DCU-R unchanged. For voice frequency (VF) channels, the DCU-R provides the signaling storage and PCM quiet capability normally provided by VF channel units in the *SLC* Series 5 Carrier System. Signaling bits are stored for 16 superframes. When a line hit is first detected, the DCU-R substitutes the current signaling with the oldest available signaling bits and substitutes the current PCM with PCM quiet. If the hit lasts more than 2.5 seconds, the signaling bits are forced high and PCM quiet is sent. After the hit condition clears, the current PCM and signaling are again sent. The output CTPCM of the DCU-R goes to the TRU. The input LTPCM comes from the DCU-L.

Faceplate LEDs indicate the following conditions:

**FAIL** (Red LED): When lighted, indicates that a failure has been sectionalized to this DCU-R.

**INC** (Yellow LED): When lighted, indicates an incoming DS1 alarm condition as detected by the associated DCU-L.

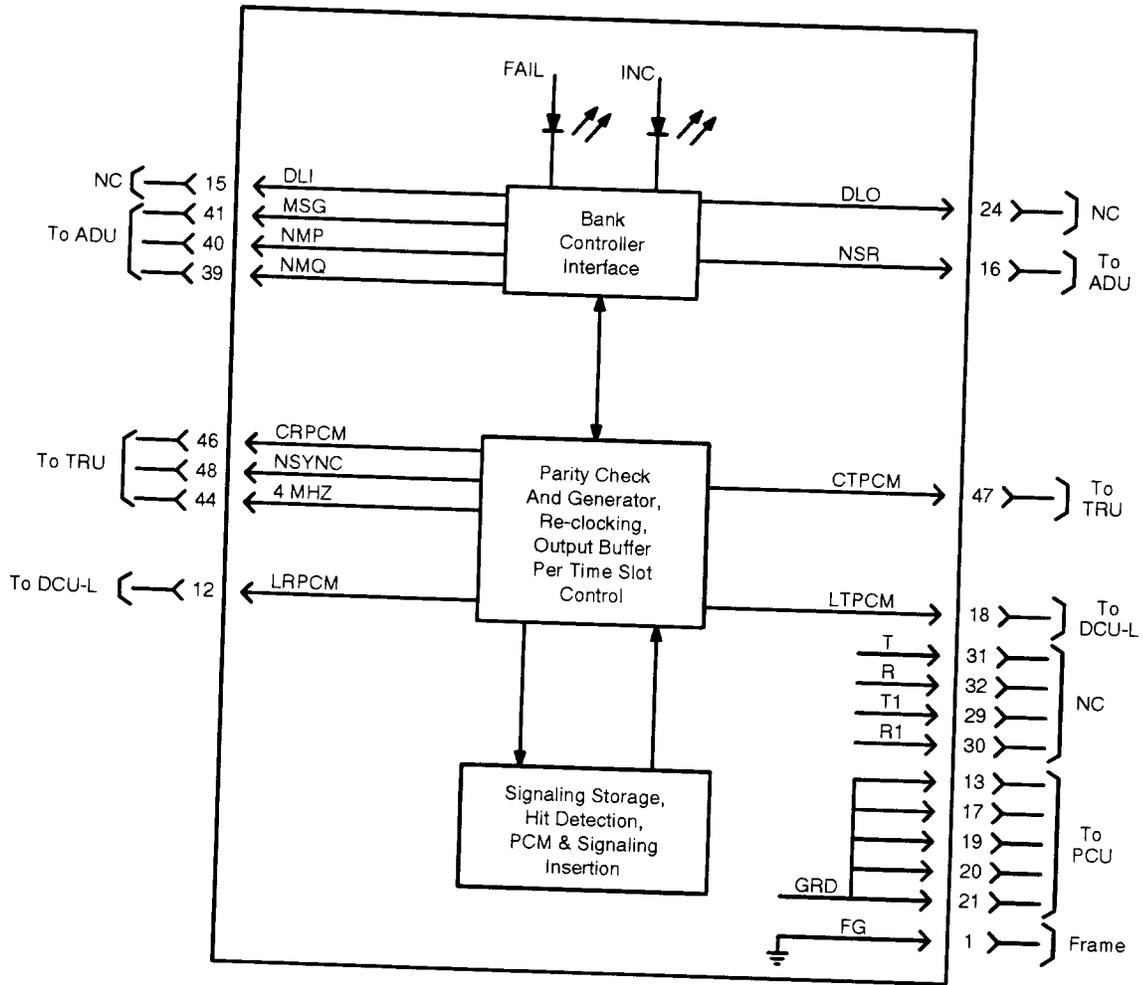
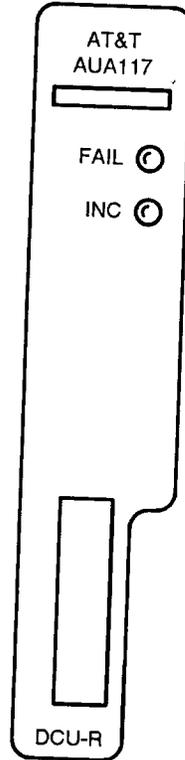


Figure 1. AUA117 DCU-R Block Diagram



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Figure 2. AUA117 DCU-R Faceplate

In-hours or emergency out-of-hours technical assistance for the *SLC Series 5 Carrier System* can be obtained by calling the Regional Technical Assistance Center at **1-800-225-RTAC**.

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