

# AUA401 (RT) CHANNEL UNIT - SC4DS0 5SCF420CXX

## DATA SHEET

### SLC<sup>®</sup> SERIES 5 CARRIER SYSTEM

The AUA401 CU (channel unit) (COMCODE 104432869) is intended for standard 2-wire analog, single party, POTS applications with loop-start supervision. This plug-in is intended for use on SLC Series 5 carrier systems featuring Fiber-To-The-Home and will always be located in a remote terminal (RT - J1C182AE). This plug-in provides four channels of service at the 1.544 Mb/s rate to a single customer over a fiber optic loop. The COT (central office terminal) end of the channel is terminated via an AUA31, AUA32, or AUA38 POTS CU; a fast forward disconnect is also provided. On the loop side, the plug-in interfaces an AYB1 OU (optical unit) via a balanced interface.

This practice is reissued to make minor editorial changes.

The AUA401 CU is a dual width unit comprised of two printed wiring boards joined together with one common faceplate. It occupies two adjacent channel unit slots in the RT shelf.

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

In the transmit direction (toward the customer), the AUA401 CU takes four 16-bit timeslots from the backplane bus, breaks them into PCM (pulse code modulation) and signaling bytes, buffers them, and then feeds them to the muldem. The muldem multiplexes the timeslots with framing bytes into a 1.544 Mb/s bit stream and feeds them to the AYB1

OU via a balanced interface using the line driver.

When data is received from the AYB1 OU, it is converted from balanced to unbalanced logic level; clock is recovered. The 1.544 Mb/s bit stream is demultiplexed by the muldem, checked for faults, and passed to the backplane access circuit for buffering and output to the backplane bus.

No *per-channel trunk processing* function is implemented on the AUA401 CU.

Faceplate LEDs indicate as follows:

- **OOS** [out-of-service (amber LED)]: When lighted, indicates an out-of-frame condition at the RT or a bad RT CU.
- **BUSY** (red LED): When lighted, indicates an off-hook state at the DT (distant terminal) as well as ringing or channel test toward the DT.

There are no options or settings that need to be selected on this channel unit.

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.

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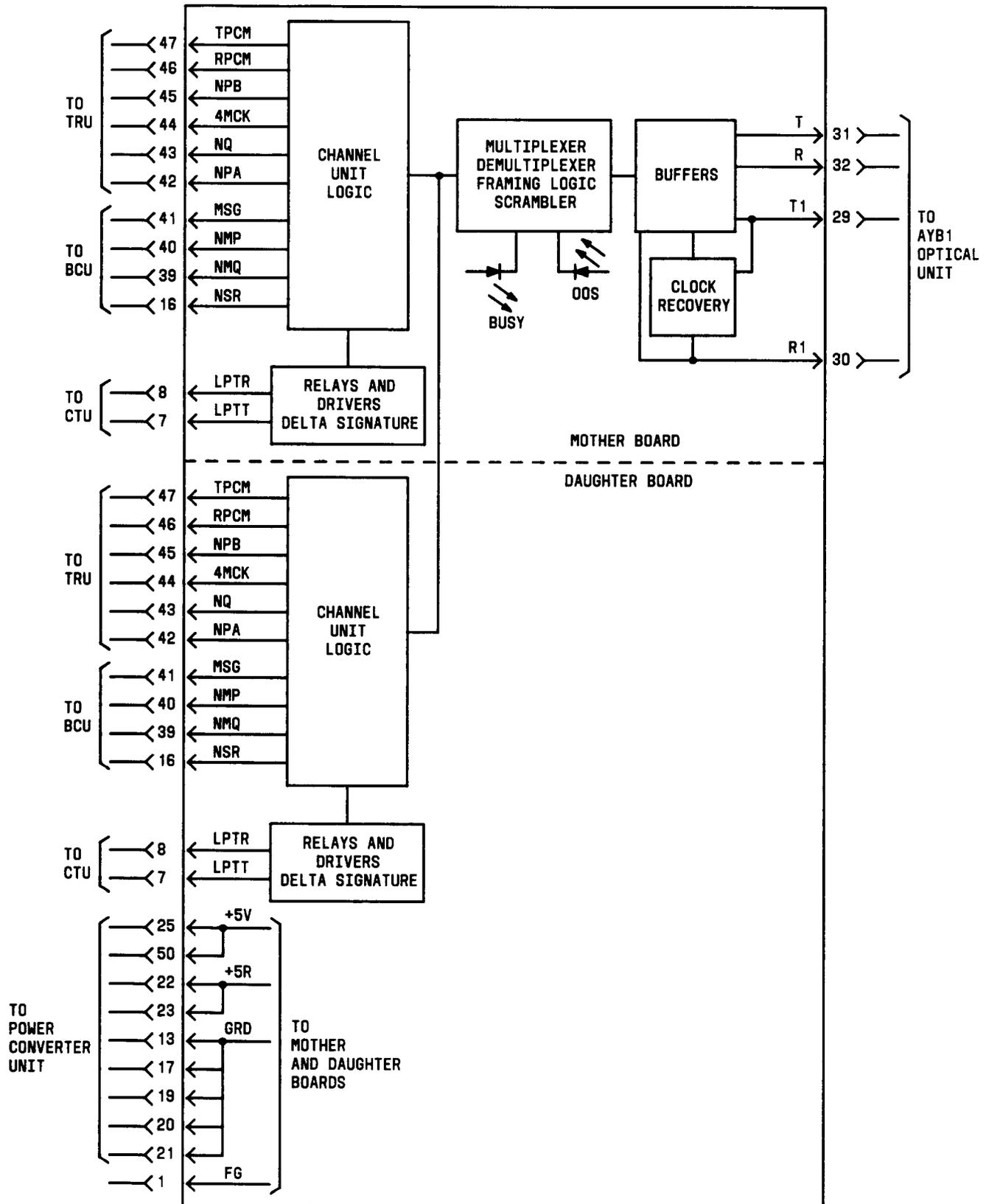


Figure 1—AUA401 CU Block Diagram

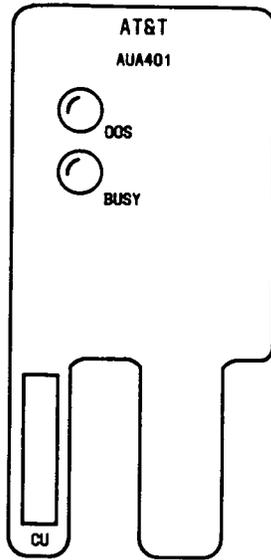


Figure 2—AUA401 CU Faceplate