

# ASJ1 CHANNEL UNIT 5SCF530DXX

## DATA SHEET

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

The ASJ1 CU (channel unit) (COMCODE 104432844) is used in the 900A1 DT (distant terminal) and provides the channel unit and line interface functions for the DT end of a SLC Series 5 carrier system featuring Fiber-To-The-Home.

This practice is reissued to make minor editorial changes.

Figures 1 and 2 are functional block diagrams of the ASJ1 CU mother and daughter boards, respectively, and Figure 3 shows the faceplate.

The circuitry on the mother board processes the incoming and outgoing electrical signals from the AYB1 OU (optical unit) at the DT and provides the functions of clock recovery, clock dividers, line multiplexer, control, and signaling. Connection to the AYB1 OU is via four twisted pairs.

The circuitry on the daughter board provides the BORSCH (Battery feed; Overvoltage protection; Ringing; Supervision; CODEC; Hybrid) functions for the DT. Each POTS line is provided with a current limited line feed.

Faceplate LEDs indicate as follows:

- **FAIL** (red LED): When lighted, indicates an internal failure with the PCU (power converter unit).
- **BUSY** (red LED): When lighted, indicates an off-hook state on one or more of the four POTS lines.
- **OOF** [out-of-frame (amber LED)]: When lighted, indicates an incoming fiber loss, loss of frame, or trunk processing.
- **ON BAT** (green LED): When lighted, indicates the DT is operating on reserve (battery) power.

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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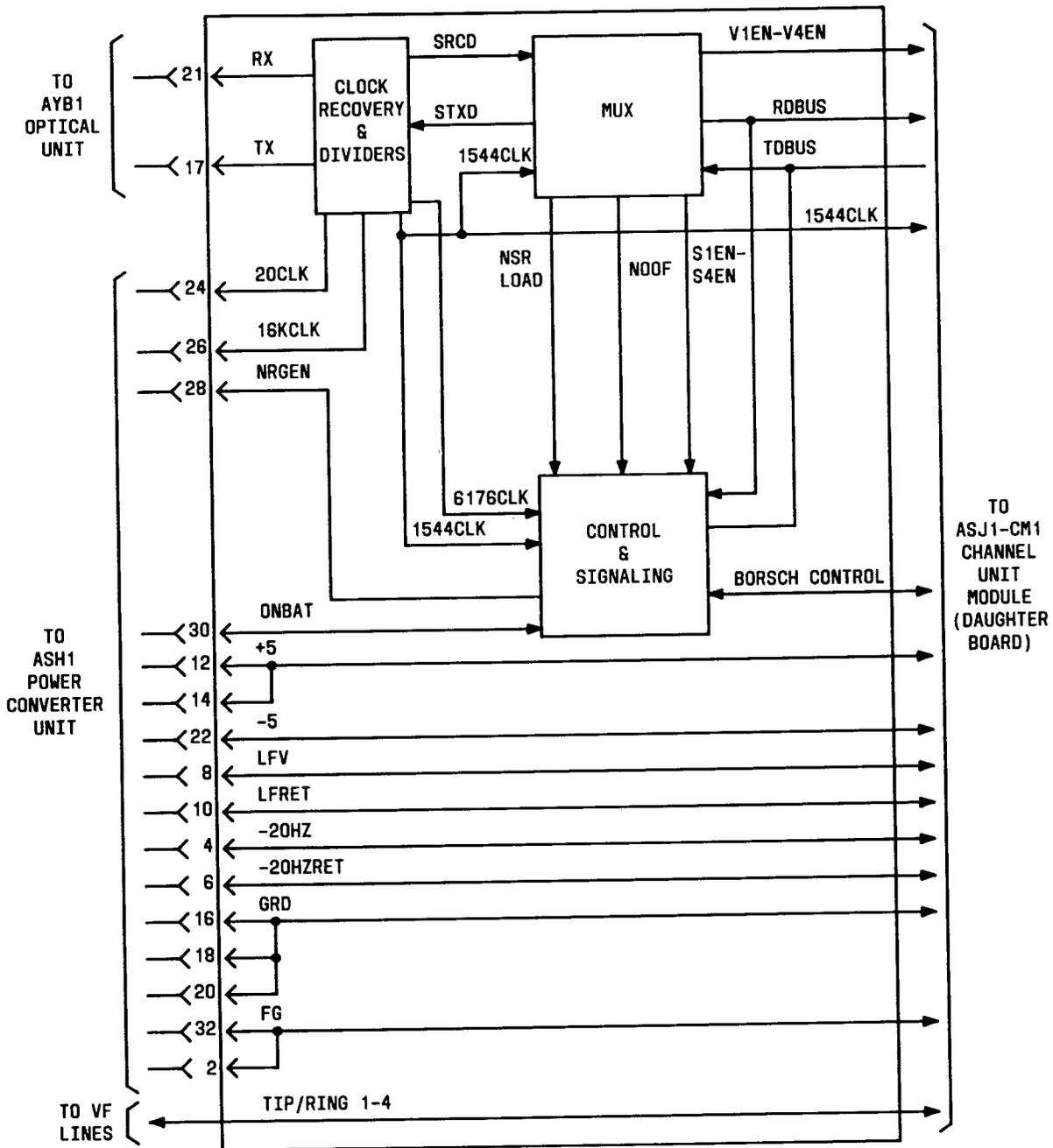


Figure 1—ASJ1 CU Block Diagram (Mother Board)

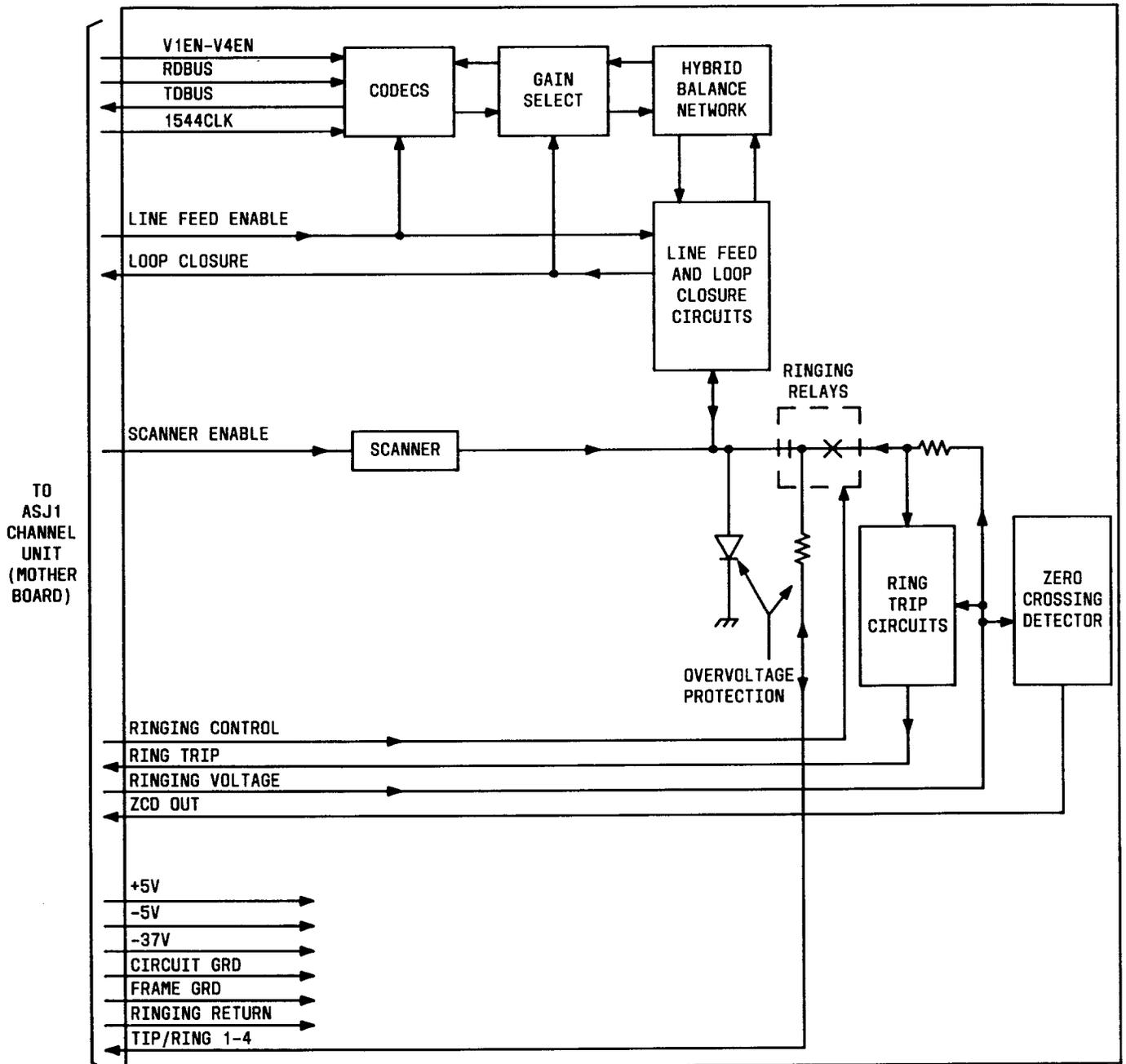


Figure 2—ASJ1 CU Block Diagram (Daughter Board)

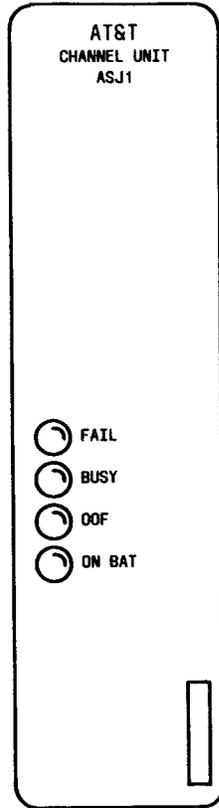


Figure 3—ASJ1 CU Faceplate