



SLC[®] Series 5 Carrier System

ASJ2 Channel Unit — 5SCF53C

Data Sheet

This data sheet describes the ASJ2 channel unit (CU) (COMCODE 104437132) and is intended for the end-user of the unit. The ASJ2 CU is used in the 900A-type distant terminal (DT) and provides the channel unit, line interface, and demand testing functions for the DT end of a *SLC*[®] Series 5 Carrier System featuring Fiber-To-The-Home.

This data sheet is reissued to make minor corrections to the text.

Figures 1 and 2 are functional block diagrams of the ASJ2 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(B) optical unit (OU) at the DT and provides the functions of clock recovery, clock dividers, line multiplexer, control, and signaling. Connection to the AYB1(B) OU is via four twisted pairs.

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

The ASJ2 provides full splitting test access to the tip and ring pairs — it provides the remote terminations and detectors required for the PGTC test sequence. An interface to the EAF1 drop test module (DTM) is provided along with a means to report the drop test results back to the AUA404 or AUA405 CU at the remote terminal.

The LED indicators located on the faceplate of the ASJ2 CU provide the following functions:

FAIL (Red LED): When lighted, indicates an internal failure with the power converter unit (PCU).

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.

ASJ2 Channel Unit

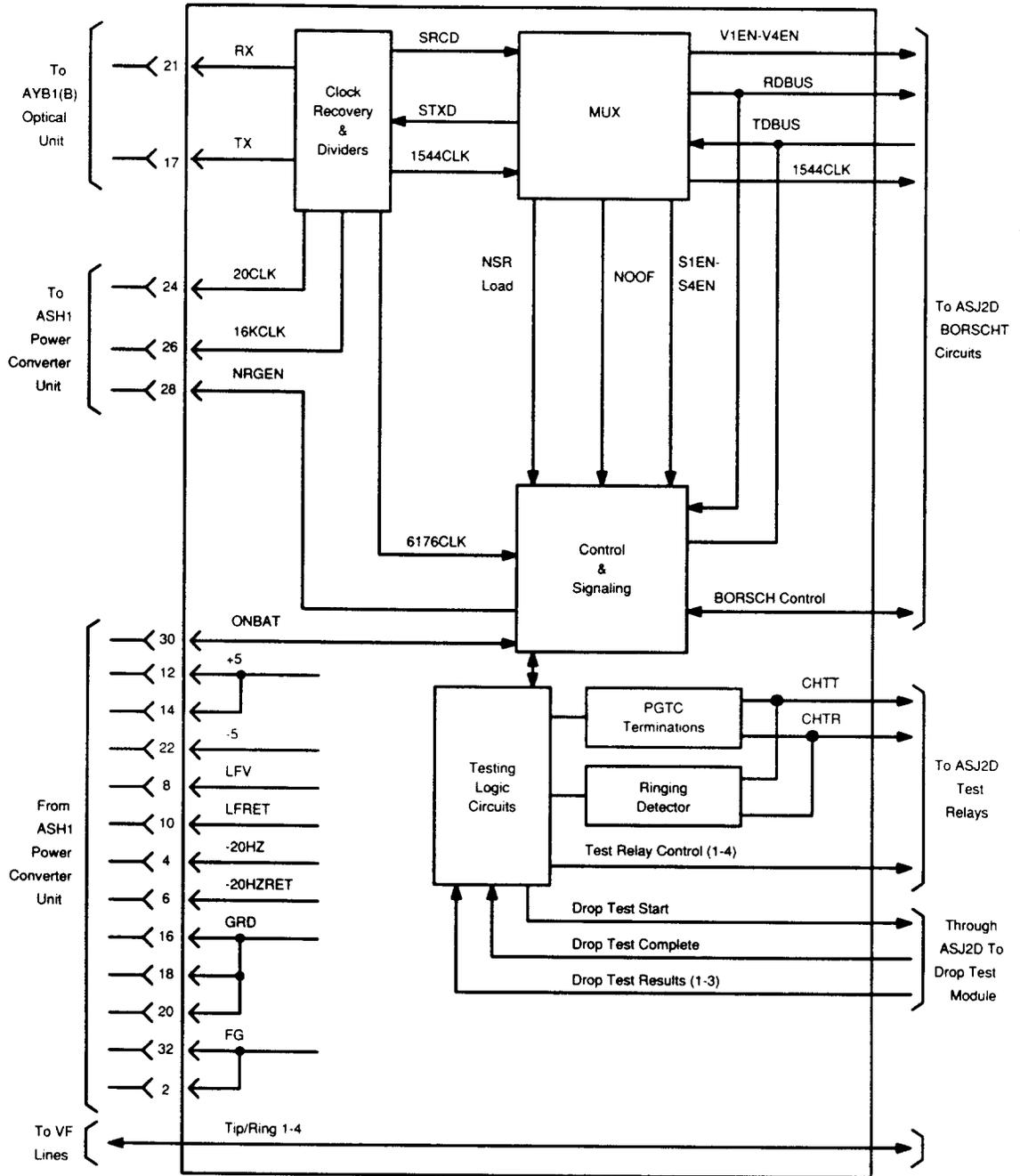


Figure 1. ASJ2 Block Diagram (Mother Board)

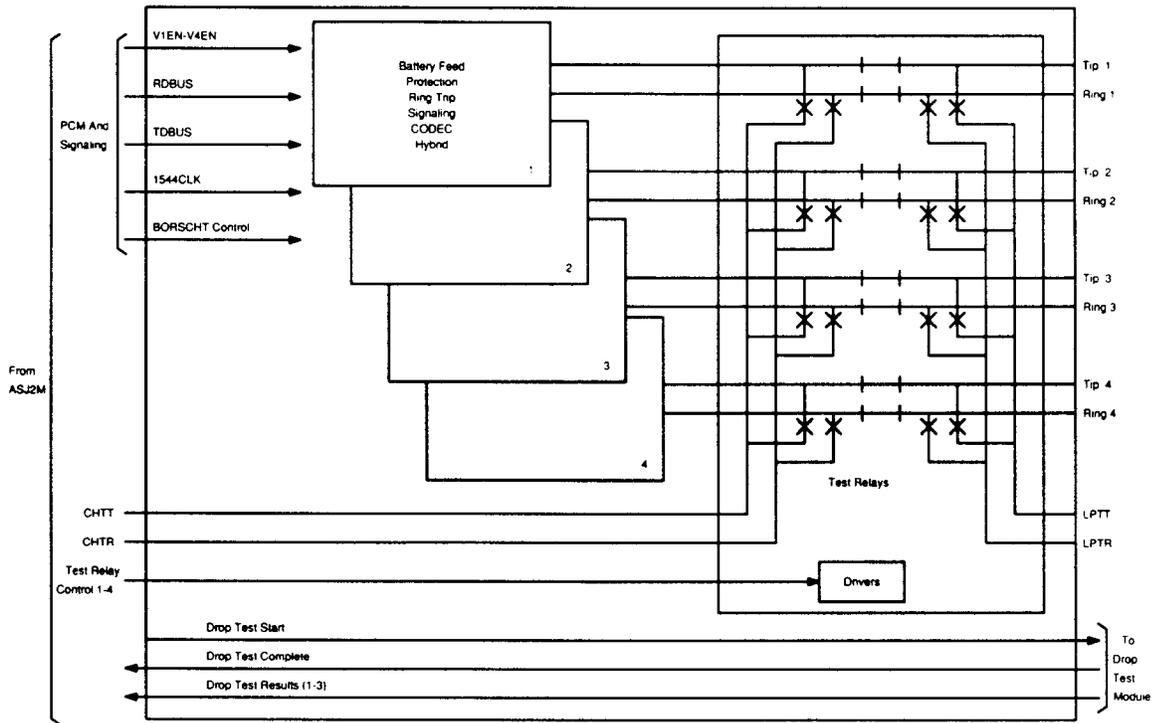


Figure 2. ASJ2 Block Diagram (Daughter Board)

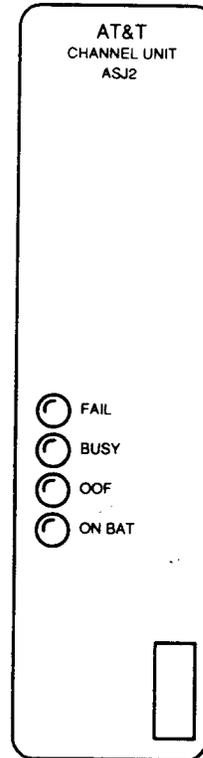


Figure 3. ASJ2 Faceplate

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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