AUB25 (RT) CHANNEL TEST UNIT—5SCD210BXX

DATA SHEET

SLC® SERIES 5 CARRIER SYSTEM

The AUB25 channel test unit (CTU) is used in the SLC Series 5 system remote terminal (RT). One AUB25 serves both banks in the RT dual-bank structure. The CTU provides the external interface for the CIU to obtain metallic or digital test access on a channel unit; however, the actual digital test access is provided by the digital test unit (DTU). Using the bank controller (BC) firmware with the extended test controller (XTC), the AUB25 provides all necessary terminations and signaling required for the XTC to test all channel units (CUs). The AUB25 is designed to be flexible so it can be fully controllable by the BC, and it can be backward compatible with the SLC 96 system pair gain test controller (PGTC) when operated with appropriate BC firmware.

This practice has been reissued to change Fig. 2.

In a dual-bank environment, the AUB25 can provide testing to one channel at a time. During this same time, the craft interface unit (CIU) may gain access to the test bus of the bank that is not using the CTUs termination and signaling circuit for testing. This CTU will provide appropriate terminations for CU testing via the XTC.

Figure 1 is a functional block diagram of the AUB25.

Figure 2 shows the AUB25 faceplate. The indicators on the faceplate provide the following information:

FAIL (Red LED): When lighted, indicates a failure has been detected within this AUB25 plug-in.

BUSY (Green LED): When lighted, indicates a circuit test is being done using this circuit.

WHITE (Yellow LED): When lighted, indicates that the white (upper) bank has a polluted test bus, due to stuck relay.

BLUE (Yellow LED): When lighted, indicates that the blue (lower) bank has a polluted test bus, due to a stuck relay.

TEST ACCESS Connector: See Table A for connector pin number identification. This front-panel mounted 25-pin connector is used by the CIU to gain access to both metallic test buses and digital test buses on the CTU. Additionally, this connector provides the data link interface between the CIU and either bank controller in the dual bank.

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TABLE A

PIN #	PIN NAME	FUNCTION	PIN #	PIN NAME	FUNCTION
1	LPTT1	Metallic Access	13	CKT.GND	
2	LPTR	Metallic Access	14	LPTR1	Metallic Access
3	LPTT	Metallic Access	15	CHTT	Metallic Access
4	CHTM	Metallic Access	16	CHTR	Metallic Access
5	CHTE	Metallic Access	17	CHTT1	Metallic Access
6	NC		18	CHTR1	Metallic Access
7	CKT.GND		19	FR.GND	
8	RD	Data from CIU	20	TD	Data to CIU
9	SYNC	333 Hz or 8 kHz	21	CKT.GND	
10	CKT.GND		22	64 kHz	
11	YT	PCM Access	23	YR	PCM Access
12	XR	PCM Access	24	CKT.GND	
			25	XT	PCM Access

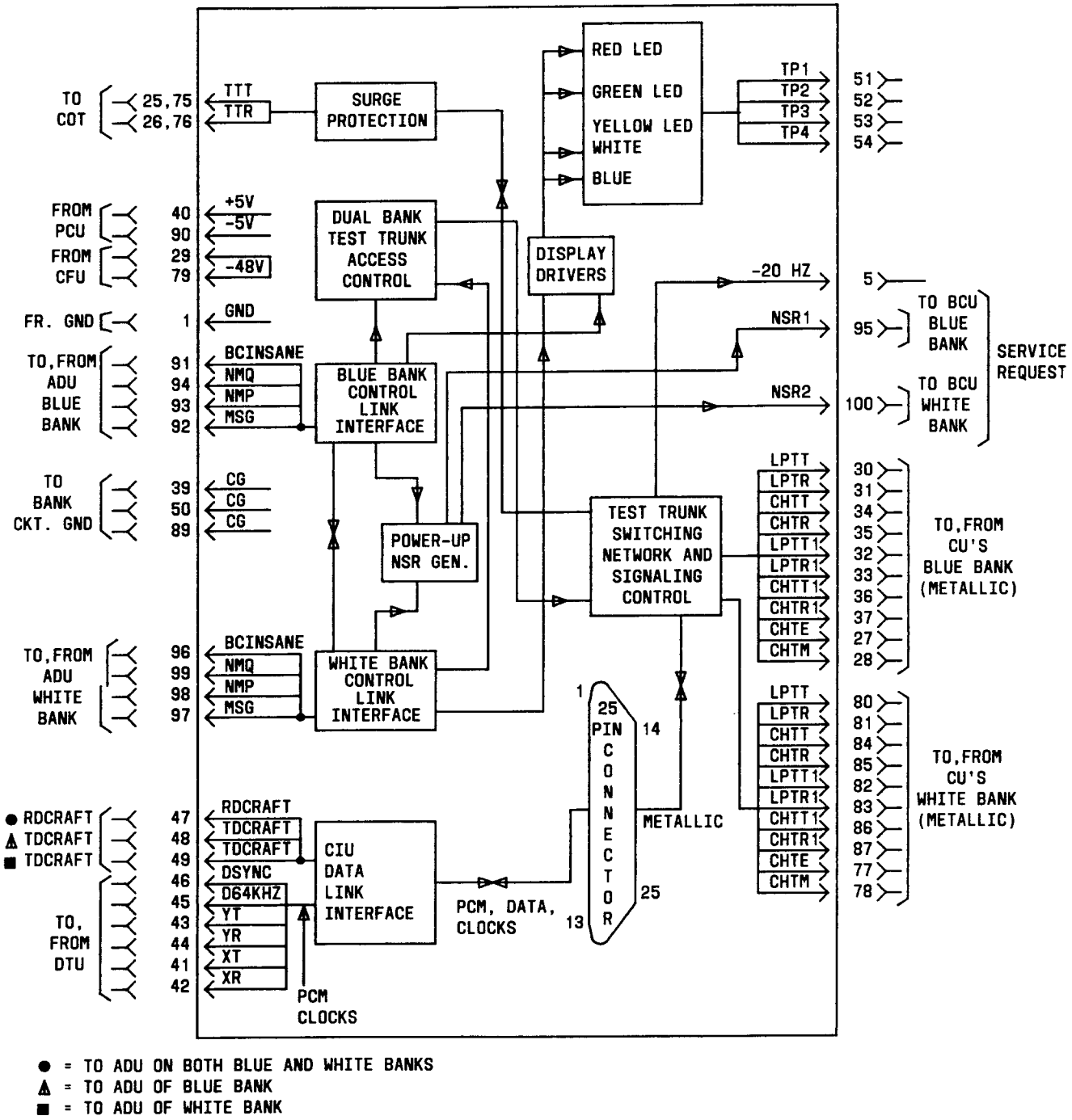

Fig. 1—AUB25 CTU (RT) Block Diagram

Fig. 2—AUB25 Faceplate Diagram