AUB5 (COT) CHANNEL TEST UNIT—5SCD110BXX

DATA SHEET

SLC® SERIES 5 CARRIER SYSTEM

The AUB5 Channel Test Unit (CTU) is used in the SLC Series 5 System Central Office Terminal (COT) and in the Digital Carrier Line Unit 5 (DCLU 5) Transmission Facility Interface Unit (TFIU). The AUB5 is designed to support simultaneous metallic test access on channel units in both banks (systems) in a 192-channel, dual bank system. This unit can support digital testing of one bank by the Extended Test Controller (XTC) or the Craft Interface Unit (CIU). It can also provide CIU access (both metallic and digital) to one bank while supporting the XTC in performing metallic test access on the other bank. The CTU provides the external interface (either to the CIU or XTC) for digital access on a channel; however, the actual digial test access is provided by the Digital Test Unit (DTU). With the MC97725A1 or MC97755A1 (BCU-COT), the MC97726A1 or MC97756A1 (BCU-RT), or the MC97749A1 (BCU-DCLU 5) and the XTC, this unit provides all necessary metallic and digital connections for testing 2- and 4-wire channel units.

This practice has been reissued to include the use of the AUB5 in the DCLU 5.

Figure 1 is a functional block diagram of the AUB5. Figure 2 shows the AUB5 faceplate. The indicators on the faceplate provide the following information:

FAIL (Red LED): When lighted, indicates a failure has been detected within this AUB5 plug-in.

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

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

Published by
The AT&T Documentation Management Organization.

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	NC		16	CHTR	Metallic Access
5	NC		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

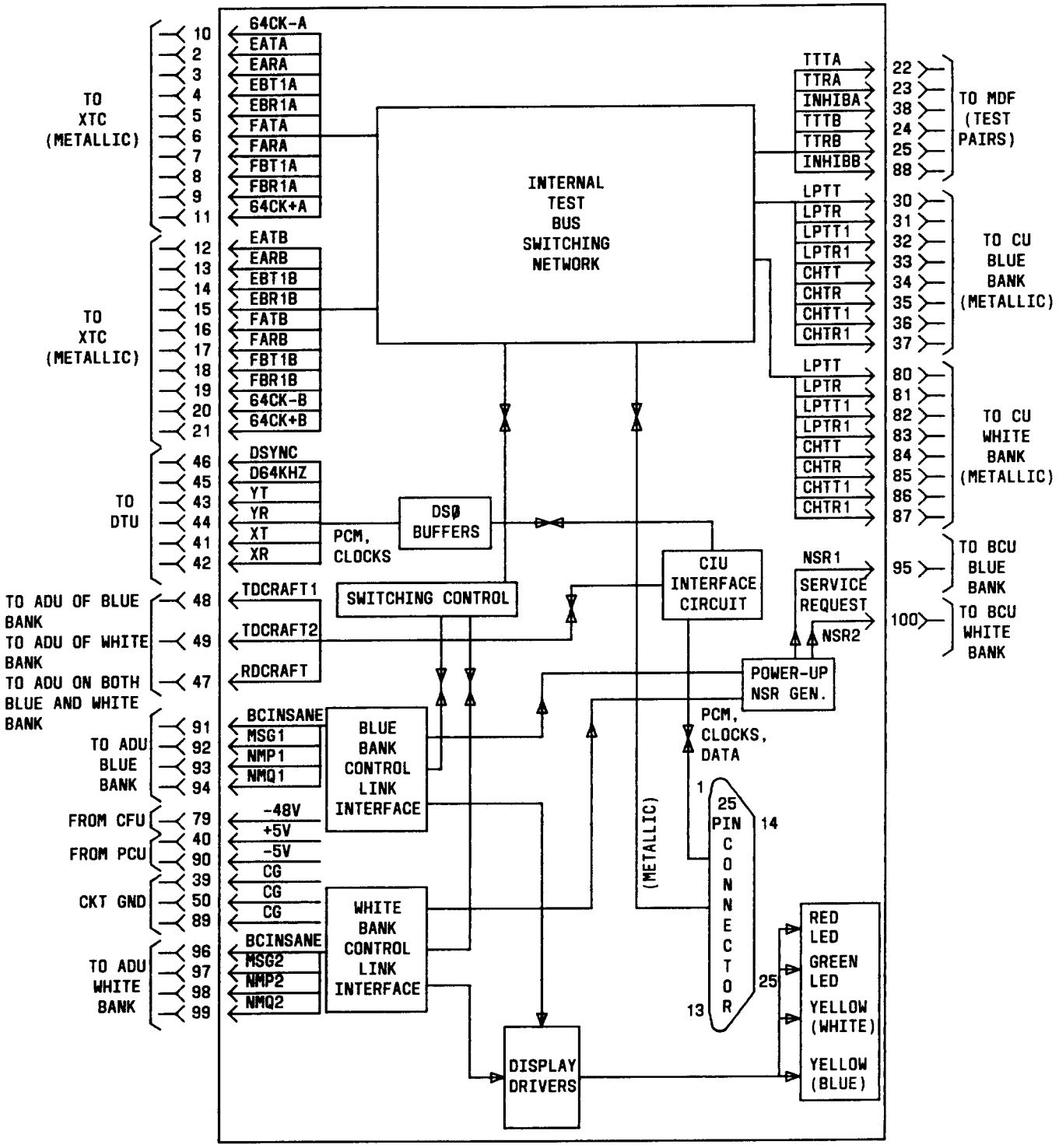

Fig. 1—AUB5 CTU (COT) Block Diagram

Fig. 2—AUB5 Faceplate Diagram