

MAINTENANCE MANUAL

EDACS® INTERFACE

TUI FOR SIMULCAST

19C852339G1

TABLE OF CONTENTS

	<u>Page</u>
SPECIFICATIONS	1
PARTS LIST	1
DESCRIPTION	2
CIRCUIT ANALYSIS AND WIRING INFORMATION	2
OUTLINE DIAGRAM	4
SCHEMATIC DIAGRAM	5

SPECIFICATIONS*

FUNCTIONS TUI CH01 thru CH25
 TUI TU01 thru TU05
 DIN31 thru DIN48

CONNECTORS

J1 Modular Telephone jack: 6 position
 thru
 J8

J9 Two 25 Pair Telco Connectors
 and
 J10

PARTS LIST TUI For Simulcast Module 19C852339G1

SYMBOL	PART NUMBER	DESCRIPTION
		----- JACKS -----
J1 thru J8	344A3288P1	Modular jack; 6-position; Sim to AMP 520425-3.
J9 and J10	19B800935P14	25-pair Telco connectors with bail lock.
		----- MISCELLANEOUS -----
3	N80P9004B6	Machine Screw, #4-40 x ", zinc plated.

* These specifications are intended primarily for the use of the service technician. Refer to the appropriate Specifications Sheet in the applicable maintenance manual for the complete specifications.

DESCRIPTION

Test Unit Alarm Interface (TUI) Module 19C852339G1 is used to collect and route Test Unit Alarm Interface data throughout an Enhanced Digital Access Communication System (EDACS) through a common 25 pair cable. This module mounts on EDACS Interface Panel 19D904009 (refer to Maintenance Manual LBI38812) when associated with Simulcast Station and Simulcast Common Equipment cabinets. The TUI Module consists of 8 telephone type modular (RJ12) jacks J1 through J8, and two 25 pair Telco connectors J9 and J10.

Connectors J1 through J8 connect to the common connections between connectors J9 and J10 (refer to Schematic Diagram 19D904471). Through printed circuit wiring, connector J1, Pins 1 through 5 connect to TUI channels 1 through 5 (**CH01 through CH05**), respectively. Connector J1, Pin 6 connects to Test Unit #1 (**TU01**) through J9, Pin 38.

Connector J2, Pins 1 through 5 connects to TUI channels 6 through 10 (**CH06 through CH10**). Connector J2, Pin 6 connects to Test Unit #2 (**TU02**) through J9, Pin 14.

Connector J3, Pins 1 through 5 connect to TUI channels 11 through 15 (**CH11 through CH15**). Connector J3, Pin 6 connects to Test Unit #3 (**TU03**) through J9, Pin 39.

Connector J4, Pins 1 through 5 connects to TUI channels 16 through 20 (**CH16 through CH20**). Connector J4, Pin 6 connects to Test Unit #4 (**TU04**) through J9, Pin 15.

Connector J5, Pins 1 through 5 connects to TUI channels 21 through 25 (**CH21 through CH25**).

CIRCUIT ANALYSIS

The Test Unit Alarm Interface Module maps up to twenty five (25) TUI channels, and five (5) Test Units to five (5) modular telephone jacks. These modular jacks connect to the various input/outputs within an EDACS System (refer to Schematic Diagram 19D904471). The TUI Interface Module wiring arrangement is apparent when looking into the end of the common cable connecting J9 to J10 and having the channel and test unit connections designated in this pattern (refer to Figure 1).

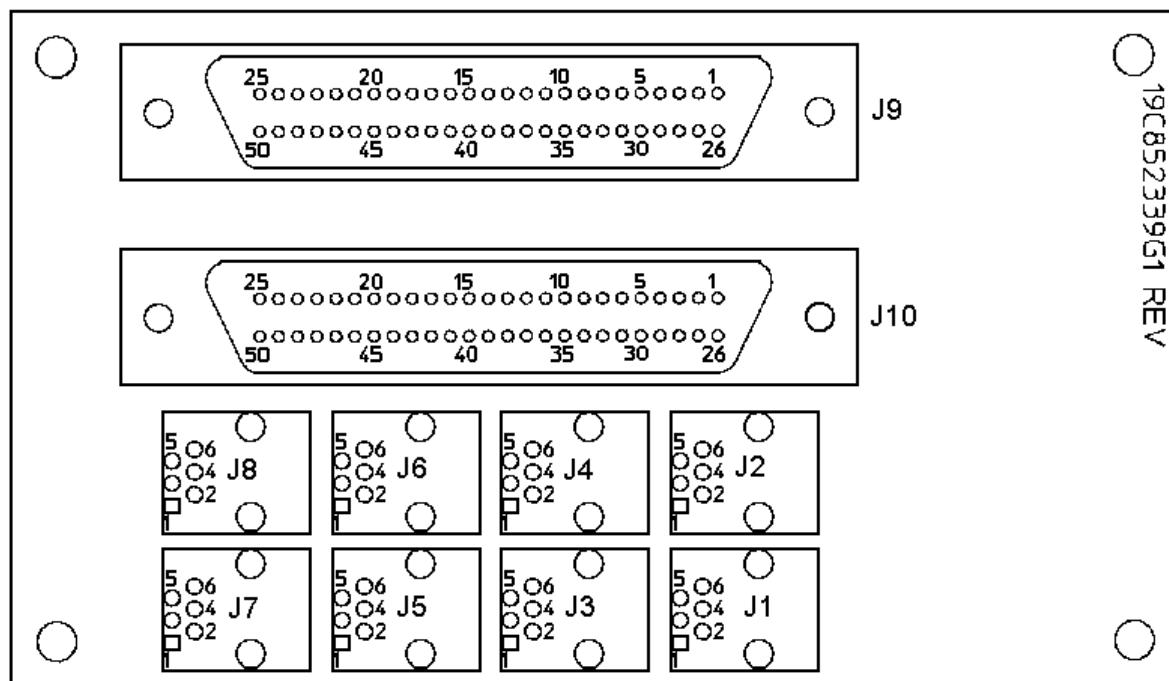
Alarm/Inputs 31-48 (DIN31-DIN48) are available for general purpose digital alarms.

SIGNAL	PIN NUMBERS		SIGNAL
CH01	1	26	CH02
CH03	2	27	CH04
CH05	3	28	CH06
CH07	4	29	CH08
CH09	5	30	CH10
CH11	6	31	CH12
CH13	7	32	CH14
CH15	8	33	CH16
CH17	9	34	CH18
CH19	10	35	CH20
CH21	11	36	CH22
CH23	12	37	CH24
CH25	13	38	TU01
TU02	14	39	TU03
TU04	15	40	TU05
DIN31	16	41	DIN32
DIN33	17	42	DIN34
DIN35	18	43	DIN36
DIN37	19	44	DIN38
DIN39	20	45	DIN40
DIN41	21	46	DIN42
DIN43	22	47	DIN44
DIN45	23	48	DIN46
DIN47	24	49	DIN48
	25	50	

Figure 1 - Pin Assignments Looking Into Connections Between J9 and J10

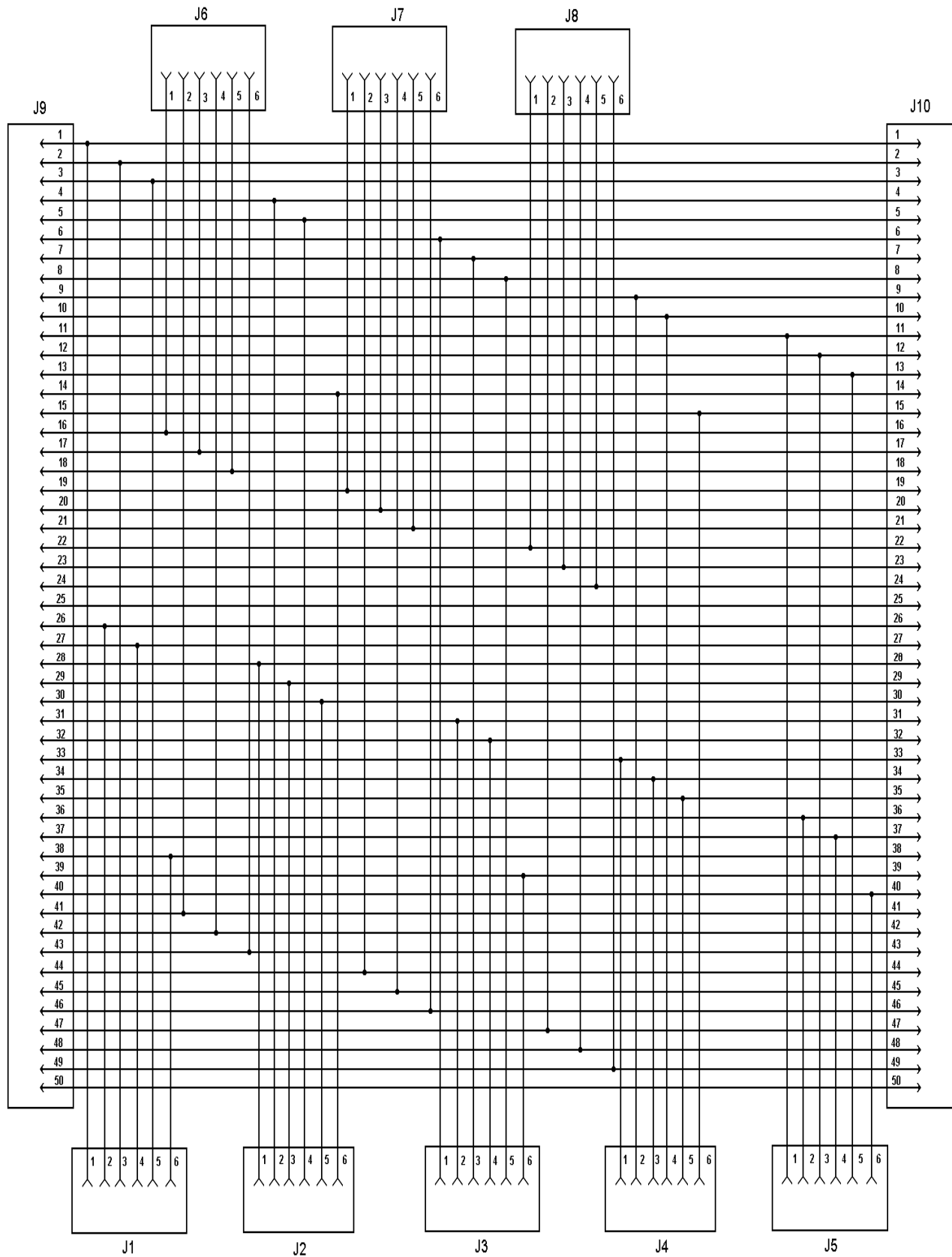
TABLE OF TUAI INTERFACE MODULE CONNECTIONS

FROM	CONNECTS TO	SIGNAL
J9-01 J10-01	J1-1	CH01
J9-26 J10-26	J1-2	CH02
J9-02 J10-02	J1-3	CH03
J9-27 J10-27	J1-4	CH04
J9-03 J10-03	J1-5	CH05
J9-38 J10-38	J1-6	TU01
J9-28 J10-28	J2-1	CH06
J9-04 J10-04	J2-2	CH07
J9-29 J10-29	J2-3	CH08
J9-05 J10-05	J2-4	CH09
J9-30 J10-30	J2-5	CH10
J9-14 J10-14	J2-6	TU02
J9-06 J10-06	J3-1	CH11
J9-31 J10-31	J3-2	CH12
J9-07 J10-07	J3-3	CH13
J9-32 J10-32	J3-4	CH14
J9-08 J10-08	J3-5	CH15
J9-39 J10-39	J3-6	TU03
J9-33 J10-33	J4-1	CH16
J9-09 J10-09	J4-2	CH17
J9-34 J10-34	J4-3	CH18
J9-10 J10-10	J4-4	CH19
J9-35 J10-35	J4-5	CH20
J9-15 J10-15	J4-6	TU04
J9-11 J10-11	J5-1	CH21
J9-36 J10-36	J5-2	CH22
J9-12 J10-12	J5-3	CH23
J9-37 J10-37	J5-4	CH24
J9-13 J10-13	J5-5	CH25
J9-40 J10-40	J5-6	TU05
J9-16 J10-16	J6-1	DIN31
J9-41 J10-41	J6-2	DIN32
J9-17 J10-17	J6-3	DIN33
J9-42 J10-42	J6-4	DIN34
J9-18 J10-18	J6-5	DIN35
J9-43 J10-43	J6-6	DIN36
J9-19 J10-19	J7-1	DIN37
J9-44 J10-44	J7-2	DIN38
J9-20 J10-20	J7-3	DIN39
J9-45 J10-45	J7-4	DIN40
J9-21 J10-21	J7-5	DIN41
J9-46 J10-46	J7-6	DIN42
J9-22 J10-22	J8-1	DIN43
J9-47 J10-47	J8-2	DIN44
J9-23 J10-23	J8-3	DIN45
J9-48 J10-48	J8-4	DIN46
J9-24 J10-24	J8-5	DIN47
J9-49 J10-49	J8-6	DIN48
J9-25 J10-25	---	---
J9-50 J10-50	---	---



TUAI MODULE FOR SIMULCAST

(19C852339, Rev. 4)



TUAI MODULE FOR SIMULCAST

