

## 2.11 Eight Channel Communication Interconnect Panel

### 2.11.1 Introduction

The KLE 5544 8 Channel Communications Interconnect Panel is used to distribute serial communications between the 7 Channel Multiplexer board and the printers and visual display peripherals.

### 2.11.2 Description and Operation

The printed circuit board contains one terminal block TB-1, one 50-way ribbon connector J9 and seven 25-way ribbon connectors J1 to J7.

TB-1 is used to route the a.c. POWER FAIL signal, from the main 3018 power supply unit to the CENTRAL UNIT BUS.

J9 connects and distributes the serial outputs from the 7 channel Multiplexer to the seven connectors J1 to J7 and thus to the system printers and visual displays.

NOTE: The devices connected to J1 and J7 are specified by software. Refer to Fig. 1 for circuit board layout, software coding of connector outputs and devices specified.

### 2.11.3 Input/Output Connections

Eight input/output connectors and one terminal block are mounted on the board. Refer to Fig. 1 for location.

Plug J1 25-way Canon 'D' type connectr  
Ribbon Interconnection with Log Printer LP01

1		14	
2	J9-4	15	
3	J9-2	16	
4	J9-7	17	
5	J9-5	18	
6	J9-50	19	
7	TB1-1	20	J9-6
8	J9-50	21	
9		22	
10		23	
11		24	
12		25	
13			

Plug J2 25-way Canon "D" type connector  
 Ribbon Interconnection with Delivery Document printer LP02

1		14	
2	J9-11	15	
3	J9-9	16	
4	J9-14	17	
5	J9-12	18	
6	J9-50	19	
7	TB1-1	20	J9-13
8	J9-50	21	
9		22	
10		23	
11		24	
12		25	
13			

Plug J3 25-way Canon "D" type connector  
 Ribbon Interconnection with Delivery Instruction Printer LP03

1		14	
2	J9-18	15	
3	J9-16	16	
4	J9-21	17	
5	J9-19	18	
6	J9-50	19	
7	TB1-1	20	J9-20
8	J9-50	21	
9		22	
10		23	
11		24	
12		25	
13			

Plug J4 25-way Canon "D" type connector  
 Ribbon Interconnection with Visual Display ST01

1		14	
2	J9-25	15	
3	J9-23	16	
4	J9-28	17	
5	J9-26	18	
6	J9-50	19	
7	TB1-1	20	J9-27
8	J9-50	21	
9		22	
10		23	
11		24	
12		25	
13			

Plug J5 25-way Canon 'D' type connector  
Ribbon Interconnection with Visual Display ST02

1		14	
2	J9-32	15	
3	J9-30	16	
4	J9-35	17	
5	J9-33	18	
6	J9-50	19	
7	TB1-1	20	J9-34
8	J9-50	21	
9		22	
10		23	
11		24	
12		25	
13			

Plug J6 25-way Canon 'D' type connector  
Ribbon Interconnection with Diagnostic Link ST03

1		14	
2	J9-39	15	
3	J9-37	16	
4	J9-42	17	
5	J9-40	18	
6	J9-50	19	
7	TB1-1	20	J9-41
8	J9-50	21	
9		22	
10		23	
11		24	
12		25	
13			

Plug J7 25-way Canon 'D' type connector  
Ribbon Interconnection with Tank Gauging

1		14	
2	J9-46	15	
3	J9-44	16	
4	J9-49	17	
5	J9-47	18	
6	J9-50	19	
7	TB1-1	20	J9-48
8	J9-50	21	
9		22	
10		23	
11		24	
12		25	
13			

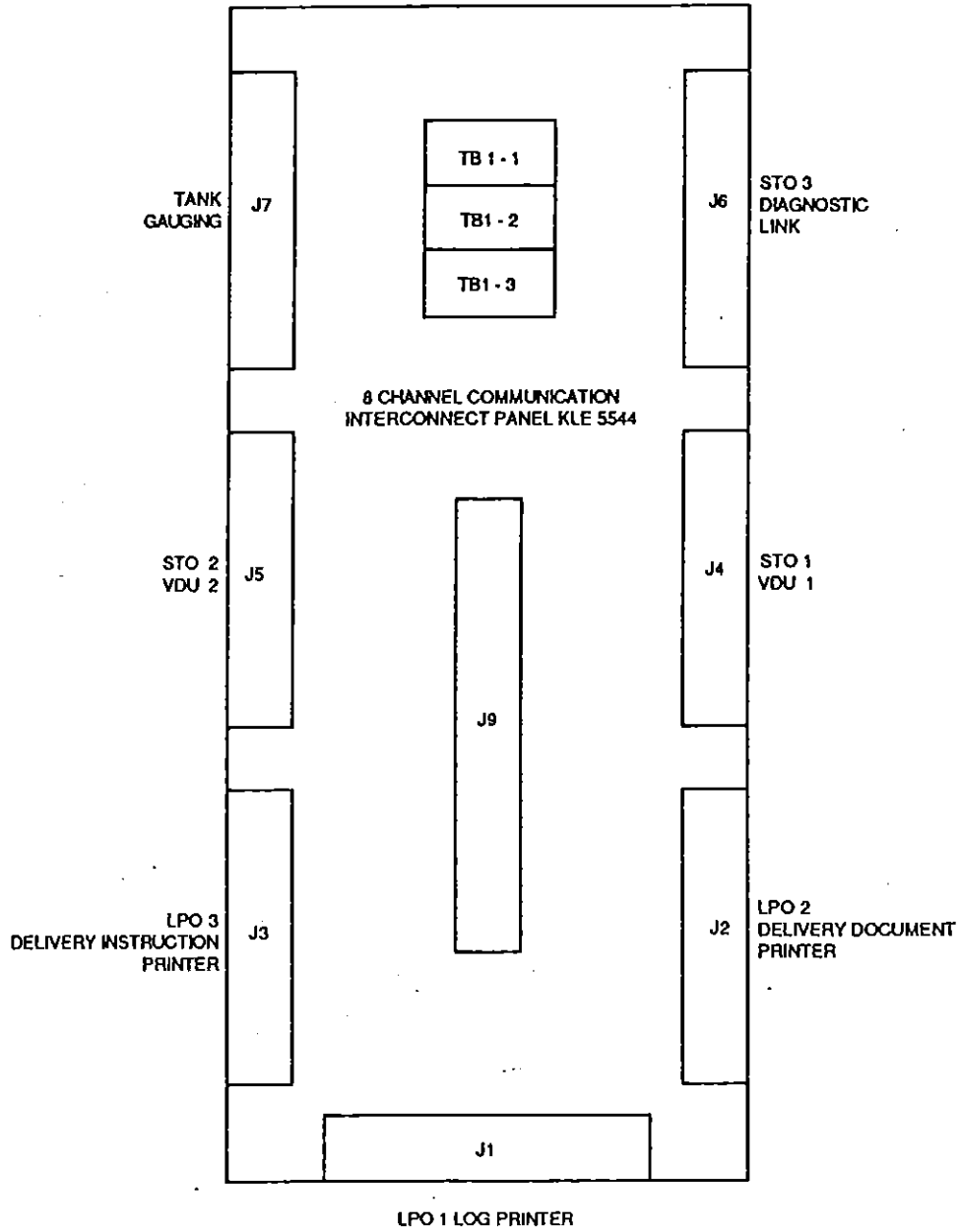
Plug J9 50-way Ribbon Connector  
 Ribbon Interconnection with 7 Channel Multiplexer Board

1		26	J4-5
2	J1-3	27	J4-20
3		28	J4-4
4	J1-2	29	
5	J1-5	30	J5-3
6	J1-20	31	
7	J1-4	32	J5-2
8		33	J5-5
9	J2-3	34	J5-20
10		35	J5-4
11	J2-2	36	TB1-3
12	J2-5	37	J6-3
13	J2-20	38	
14	J2-4	39	J6-2
15		40	J6-5
16	J3-3	41	J6-20
17		42	J6-4
18	J3-2	43	TB1-2
19	J3-5	44	J7-3
20	J3-20	45	
21	J3-4	46	J7-2
22		47	J7-5
23	J4-3	48	J7-20
24		49	J7-4
25	J4-2	50	J1 to J7 pins 6 and 8

TB-1 3-way Terminal Block

1	J1-7, J2-7, J3-7, J4-7, J5-7, J6-7 and J7-7 (DART GND).
2	J9-43
3	J9-36

# CONNECTOR LOCATIONS



NOTE STO 1 - 2 VISUAL DISPLAY

FIG 1