

MAINTENANCE MANUAL

INTEGRATED MULTISITE & CONSOLE CONTROLLER AUDIO RELAY CONCENTRATOR CARD 19D904546P1

TABLE OF CONTENTS

DESCRIPTION	1
GENERAL	1
AUDIO RELAY CONCENTRATOR CARD	1
SPECIFICATIONS	1
DESCRIPTION	1
OUTLINE DIAGRAM	
VIEW FROM COMPONENT SIDE	4
VIEW FROM SOLDER SIDE	5
SCHEMATIC DIAGRAM	Back Cover

DESCRIPTION

GENERAL

Concentrator cards simplify connections to the Integrated Multisite & Console (IMC) Controller. By installing the cards in the audio and data paths between the IMC and other pieces of equipment, interfacing between a site or console and the switch requires fewer kinds of cables. The cards, mounted on the rear of the cabinet, route many of the signals from the IMC. Most of the cards concentrate the signals from several backplane connectors into one or two large connectors that interface to the site, console, etc.

Most of the concentrator cards make it possible to make IMC connections at punch-blocks. With the exception of the card for the MOM PC, each converts the signal arrangement on the backplane connectors to the arrangement on the punch-blocks. The concentrators perform a conversion from two-row, 24-pin connectors to 50-pin Champ connectors. Cables with the same two-row, 24-pin connectors on both ends carry signals between the backplane and the concentrators. 25-pair cables carry the signals between the concentrators and punch-blocks or other signal break-out devices.

AUDIO RELAY CONCENTRATOR CARD

Specifications

Height:	5 inches
Width:	4.25 inches
Thickness:	0.093 inches

Description

This card is used to carry the relay outputs from up to 48 channels.

The card has twelve 24-pin, two-row connectors on the back for connecting to as many as twelve audio boards.

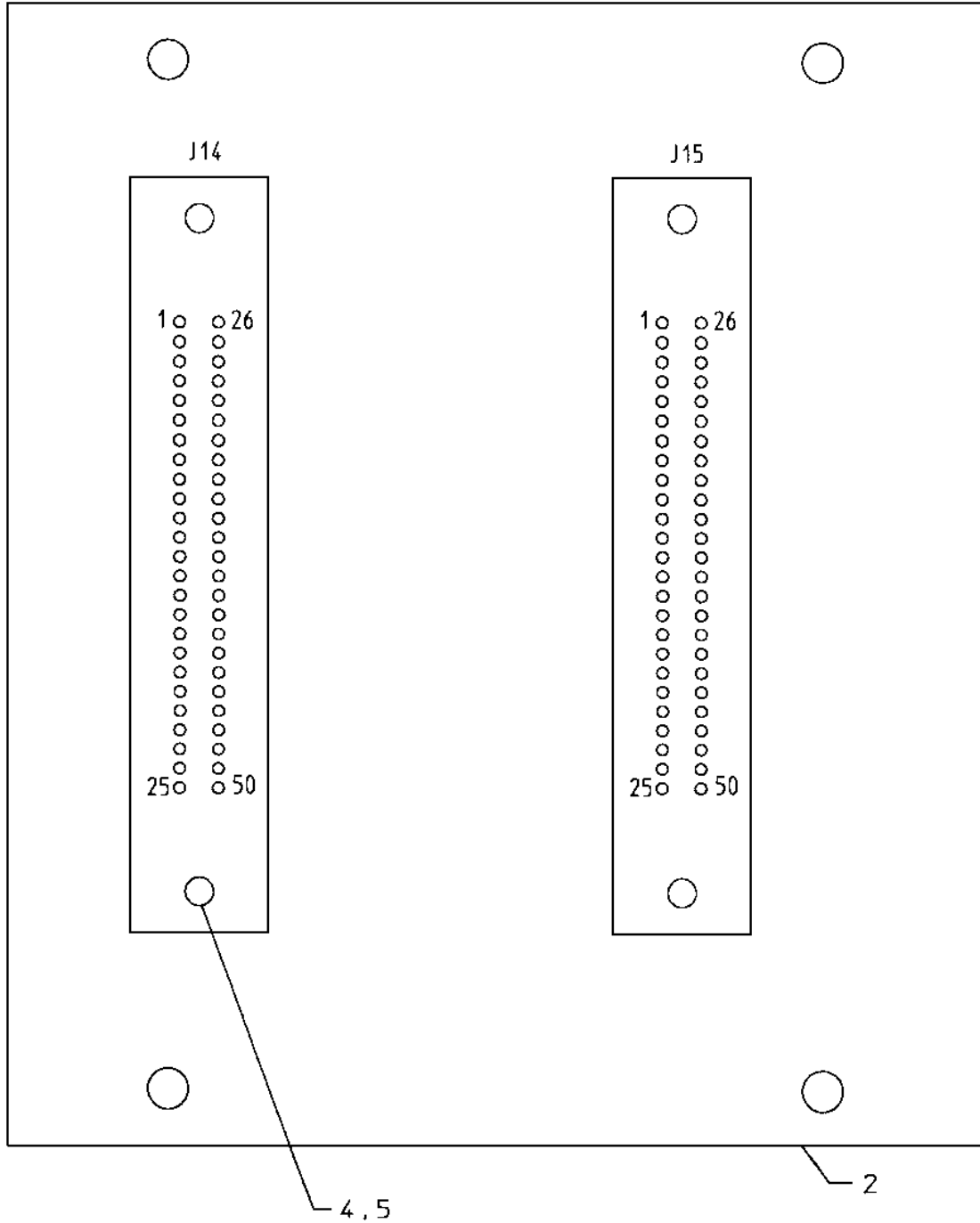
The front of the card contains two Champ connectors. Each carries the relay signals for 24 channels (six audio boards). J14 has the signals from audio boards connected to J1 through J6. J15 has the signals for J7 through J12.

J14		
1	J1-15	Ch. 1, Relay A
2	J1-17	Ch. 2, Relay A
3	J1-22	Ch. 3, Relay A
4	J1-24	Ch. 4, Relay A
5	J2-15	Ch. 1, Relay A
6	J2-17	Ch. 2, Relay A
7	J2-22	Ch. 3, Relay A
8	J2-24	Ch. 4, Relay A
9	J3-15	Ch. 1, Relay A
10	J3-17	Ch. 2, Relay A
11	J3-22	Ch. 3, Relay A
12	J3-24	Ch. 4, Relay A
13	J4-15	Ch. 1, Relay A
14	J4-17	Ch. 2, Relay A
15	J4-22	Ch. 3, Relay A
16	J4-24	Ch. 4, Relay A
17	J5-15	Ch. 1, Relay A
18	J5-17	Ch. 2, Relay A
19	J5-22	Ch. 3, Relay A
20	J5-24	Ch. 4, Relay A
21	J6-15	Ch. 1, Relay A
22	J6-17	Ch. 2, Relay A
23	J6-22	Ch. 3, Relay A
24	J6-24	Ch. 4, Relay A
25		Unused

J14		
26	J1-18	Ch. 1, Relay B
27	J1-20	Ch. 2, Relay B
28	J1-19	Ch. 3, Relay B
29	J1-21	Ch. 4, Relay B
30	J2-18	Ch. 1, Relay B
31	J2-20	Ch. 2, Relay B
32	J2-19	Ch. 3, Relay B
33	J2-21	Ch. 4, Relay B
34	J3-18	Ch. 1, Relay B
35	J3-20	Ch. 2, Relay B
36	J3-19	Ch. 3, Relay B
37	J3-21	Ch. 4, Relay B
38	J3-18	Ch. 1, Relay B
39	J3-20	Ch. 2, Relay B
40	J3-19	Ch. 3, Relay B
41	J3-21	Ch. 4, Relay B
42	J5-18	Ch. 1, Relay B
43	J5-20	Ch. 2, Relay B
44	J5-19	Ch. 3, Relay B
45	J5-21	Ch. 4, Relay B
46	J6-18	Ch. 1, Relay B
47	J6-20	Ch. 2, Relay B
48	J6-19	Ch. 3, Relay B
49	J6-21	Ch. 4, Relay B
50		Unused

J15		
1	J7-15	Ch. 1, Relay A
2	J7-17	Ch. 2, Relay A
3	J7-22	Ch. 3, Relay A
4	J7-24	Ch. 4, Relay A
5	J8-15	Ch. 1, Relay A
6	J8-17	Ch. 2, Relay A
7	J8-22	Ch. 3, Relay A
8	J8-24	Ch. 4, Relay A
9	J9-15	Ch. 1, Relay A
10	J9-17	Ch. 2, Relay A
11	J9-22	Ch. 3, Relay A
12	J9-24	Ch. 4, Relay A
13	J10-15	Ch. 1, Relay A
14	J10-17	Ch. 2, Relay A
15	J10-22	Ch. 3, Relay A
16	J10-24	Ch. 4, Relay A
17	J11-15	Ch. 1, Relay A
18	J11-17	Ch. 2, Relay A
19	J11-22	Ch. 3, Relay A
20	J11-24	Ch. 4, Relay A
21	J12-15	Ch. 1, Relay A
22	J12-17	Ch. 2, Relay A
23	J12-22	Ch. 3, Relay A
24	J12-24	Ch. 4, Relay A
25		Unused

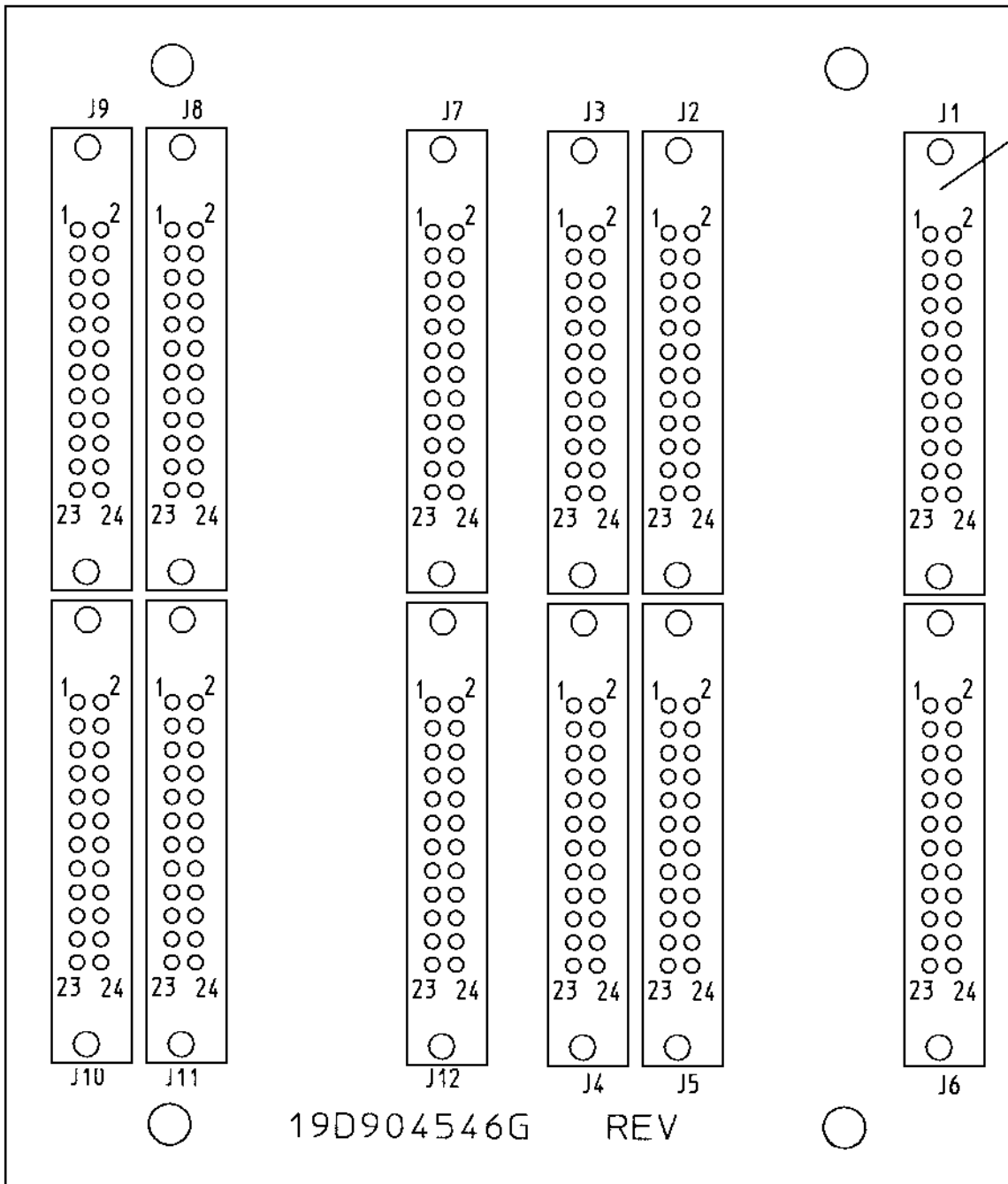
J15		
26	J7-18	Ch. 1, Relay B
27	J7-20	Ch. 2, Relay B
28	J7-19	Ch. 3, Relay B
29	J7-21	Ch. 4, Relay B
30	J8-18	Ch. 1, Relay B
31	J8-20	Ch. 2, Relay B
32	J8-19	Ch. 3, Relay B
33	J8-21	Ch. 4, Relay B
34	J9-18	Ch. 1, Relay B
35	J9-20	Ch. 2, Relay B
36	J9-19	Ch. 3, Relay B
37	J9-21	Ch. 4, Relay B
38	J10-18	Ch. 1, Relay B
39	J10-20	Ch. 2, Relay B
40	J10-19	Ch. 3, Relay B
41	J10-21	Ch. 4, Relay B
42	J11-18	Ch. 1, Relay B
43	J11-20	Ch. 2, Relay B
44	J11-19	Ch. 3, Relay B
45	J11-21	Ch. 4, Relay B
46	J12-18	Ch. 1, Relay B
47	J12-20	Ch. 2, Relay B
48	J12-19	Ch. 3, Relay B
49	J12-21	Ch. 4, Relay B
50		Unused



VIEW FROM COMPONENT SIDE

**AUDIO RELAY CONCENTRATOR CARD
19D904546P1**

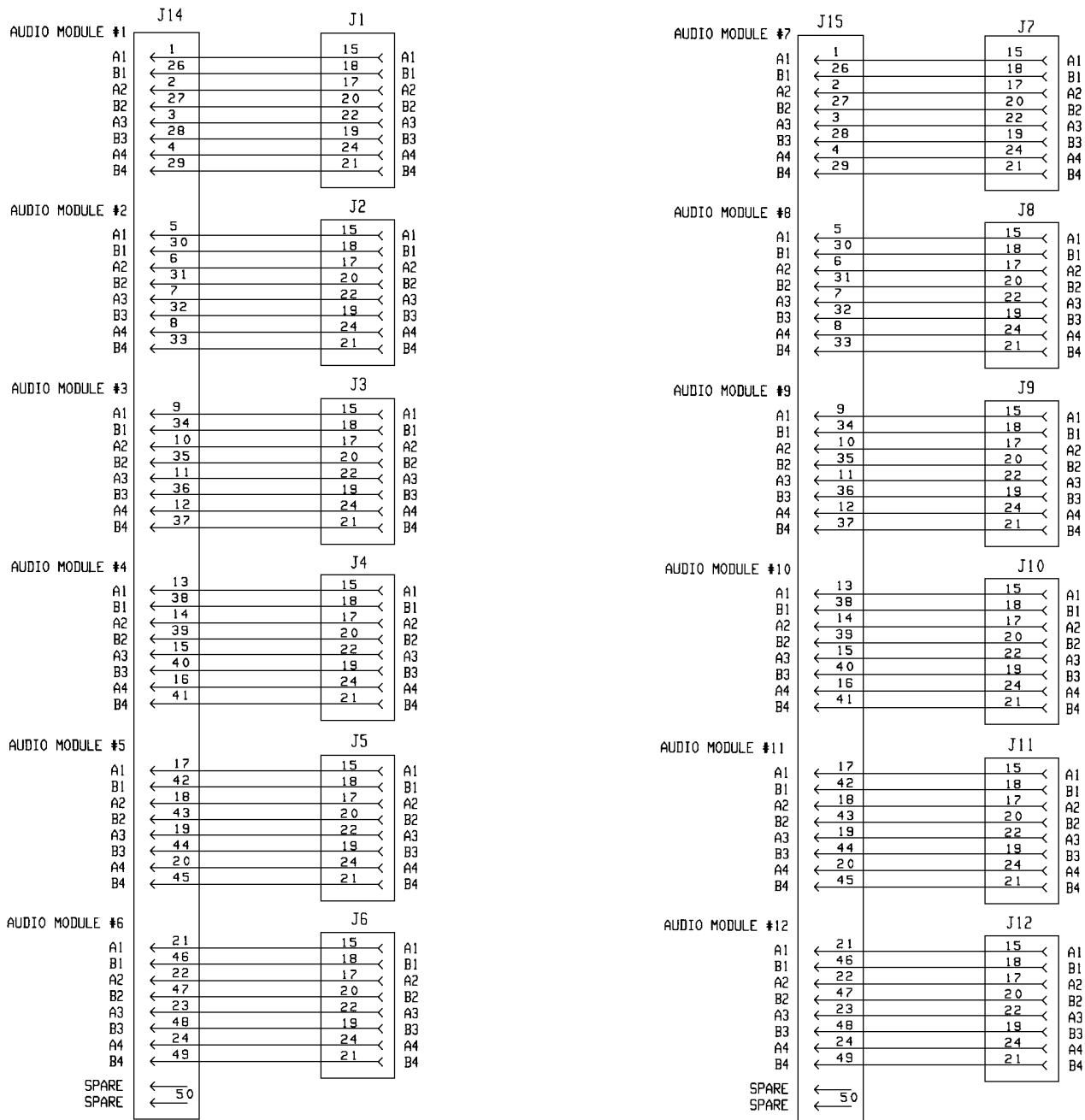
(19D904546, Rev. 0)



VIEW FROM SOLDER SIDE

**AUDIO RELAY CONCENTRATOR CARD
19D904546P1**

(19D904546, Rev. 0)



THIS SCHEMATIC DIAGRAM APPLIES TO
 MODEL NO. REV. LETTER
 19D904546

**AUDIO RELAY CONCENTRATOR CARD
 19D904546P1**

(19D904544, Sh. 1, Rev. 0)

Ericsson Inc.
 Private Radio Systems
 Mountain View Road
 Lynchburg, Virginia 24502
 1-800-592-7711 (Outside USA, 804-592-7711)