

Mobile Communications

**EDACS™
INTERFACE PANEL
19D904009G1-G24**

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Maintenance Manual

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SPECIFICATIONS*

DIMENSIONS	19" X 3RU
MOUNTING	Fits Standard 19 inch rack Uses standard EIA mounting
MODULES	Provides mounting for five (5) parallel interface modules and one serial interface module.

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* 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

Interface Panels 19D904009G1 through G24 allow quick and easy interconnection of all audio and control functions in an Enhanced Digital Access Communication System (EDACS). This Interface Panel provides the ability to couple audio and control functions of multiple stations on single 25 pair cables. The Interface Panel can connect to as many as five (5) such cables plus one serial cable. This panel also provides all intra-cabinet wiring to common connector panels which is covered in other publications.

The Interface Panel consist of multiple modules mounted to a common panel frame assembly. The modules are as follows:

Interface Module 19C852204G1 - Used to route audio/data throughout the communication system. These audio/data connections consist of Audio In, General Electric Telephone Card (GETC) data, Modem Data, Repeater Interface Card (RIC) Audio, Station Audio and Test Unit Alarm Interface (TUA1) GETC data. The Interface Module also serves as a power monitor. See LBI-38813.

Power Monitor Module 19C852213G1 - Used to monitor the proportional DC voltage from the power sensor to produce and indication of the transmitter power output to the antenna system. See LBI-38815.

PTT Module 19D852215G1 - Used to connect the E&M signaling from the microwave link to the station transmitters. See LBI-38816.

TUA1 Module 19C852339G1 - (Replaces module 19C852219G1) Used to connect to Test Unit Alarm Interface (TUA1) output through J1-J5, to the Transmit Alarm system via J9, and provides access to Digital Alarm Inputs DIN31- DIN48. See LBI-38948.

CTIS Module 19C852226G1 - Used to connect the Centralized Telephone Interconnect System (CTIS). See LBI-38818.

Power Monitor for Simulcast 19C852218G1 - Used to monitor the proportional DC voltage from the power sensor to produce an indication of the transmitter power output to the antenna. See LBI-38819.

Serial Module 19C852323G1 - Used to route serial data throughout the communication system. See LBI-38930. There are two (2) kinds of serial data:

1. Fail Soft backup serial link.
2. Radio Interface Control (RIC) serial data.

EDACS Interface VAX Site Connection 19C852313G1 - Used to connect communications to the Site Computer. See LBI-38943.

Power Monitor Channel Select Module 19C852379G1 - Used to disable unused power monitor ports. See LBI-38944.

Simulcast 150 BAUD Data Interface Module 19D904427G1 - Used to remap jackfield appearances of 150 baud data. See LBI-38945.

EDACS Interface Module 2 19C852327G1 - Used to improve line matching for all panel connections. See LBI-38946.

RIC Transformer Signal Input/Output Isolation 19C852349G1 - Used to provide transformer isolation of input and output to the RIC panel. See LBI-38947.

Station Voter Interface Panel 19D904833G1 - Used in simulcast systems as an interface for data passed between the Console Electronics Controller/Integrated Multisite & Console Controller (CEC/IMC) switch and the modem shelf. See LBI-39021.

RIC-Voter Interface Panel 19D904678G1 - Used with Voter cross connect in simulcast systems with telephone interconnect. See LBI-39022.

Timing Interface Module (RS-232 Version) ROA1172209 - Used in Simulcast Systems to route the channel clock signals from the Channel Bank to the Digital Selector Module in the Universal Sync. Shelf and from there to the Digital Cross Connect at the Control Point or to the Transmit Cross Connect at the Transmit Site. See LBI-39099.

Each EDACS trunked repeater and site controller cabinet includes an Interface Panel. This panel mounts on rear rails near the top of the cabinet. Control and audio is routed through the Interface Panel and connected to a point within the repeater or site controller cabinet.

Each EDACS Interface Panel accommodates up to five (5) parallel interface modules and one (1) serial interface module. The modules included with each repeater cabinet consist of **POWER MONITOR, STATION AUDIO, RIC AUDIO, MODEM DATA, GETC DATA** and **SERIAL DATA** functions. These modules are included even when the function is not required for a particular system.

The site controller Interface Panel interconnects **POWER MONITOR, RIC AUDIO, GETC DATA** and **SERIAL DATA** functions with the repeater cabinets.

Cabinet to cabinet connection requires only that cables be connected from a module on the Interface Panel in one cabinet to the same module on an Interface Panel in a neighboring cabinet (Refer to EDACS Installation Manual LBI-38762 or LBI-39074).

The common cables required for external connections to the various **EDACS** elements (station functions) are the 19D903880P120/121 and the 19D903880P130/131 cables.

The 19D903880P120/121 cables connect the parallel connections cabinet to cabinet and consist of twenty five (25) twisted pair shielded cables with right angle male connectors P01 and P02. These cables have straight through connections 1-1, 2-2, etc.

19D903880P120 is 5 feet long.
19D903880P121 is 15 feet long.

The 19D903880P130/131 cables connect the serial data link cabinet to cabinet and consist of DB-15 male connectors P01 and P02. They have straight through connections 1-1, 2-2, etc.

19D903880P130 is 5 feet long.
19D903880P131 is 15 feet long.

The groups and applications of the EDACS Interface Panels for each Group are described below. This information is presented in tabular form in Table 1, preceding the drawings.

Interface Panels 19D904009G1-G21:

- **Group 1 (G1)** - Panel Assembly includes five (5) 19C852204G1 Interface Modules and one (1) 19C852323G1 Serial Module. (Application part number P1, **STATION ASSEMBLY**. (Refer to Assembly Drawing 19D904009, Sheet 1.)
- **Group 2 (G2)** - Panel Assembly includes a single 19C852323G1 Serial Module and two (2) 19C852204G1 Interface Modules (Application part number P7, **CTIS MAIN COMPUTER**.) A third Interface Module is added by Option PSZA1J-S. (Refer to Assembly Drawing 19D904009, Sheet 2.)
- **Group 3 (G3)** - Panel Assembly includes four (4) 19C852204G1 Interface Modules and one (1) 19C852226G1 CTIS Module. (Application part number P9, **CTIS RIC CABINET**.) (Refer to Assembly Drawing 19D904009, Sheet 3.)

- **Group 4 (G4)** - Panel Assembly includes two (2) 19C852204G1 Interface Modules and one (1) 19C852323G1 Serial Module. (Application part number P12, **SIMULCAST STATION**.) (Refer to Assembly Drawing 19D904009, Sheet 4.)
- **Group 5 (G5)** - Panel Assembly includes one (1) 19C852204G1 Interface Module, one (1) 19C852215G1 PTT Module, one (1) 19C852339G1 TUA1 Module, one (1) 19C852218G1 Power Monitor Module for Simulcast and one (1) 19C852323G1 Serial Module. (Application part number P14, **SIMULCAST TX COMMON EQUIPMENT**.) (Refer to Assembly Drawing 19D904009, Sheet 5.)
- **Group 6 (G6)** - Panel Assembly includes two (2) 19C852204G1 Interface Modules, one (1) 19C852213G1 Power Monitor Module, and one (1) 19C852323G1 Serial Module. (Application part number P20, **SITE CONTROLLER - PDP11**. Two (2) additional 19C852204G1 Interface Modules are added as part of Option PSZA1J-S. These additional Interface Modules are used with telephone interconnect for RIC audio. (Refer to Assembly Drawing 19D904009, Sheet 6.)
- **Group 7 (G7)** - Panel Assembly includes two (2) 19C852204G1 Interface Modules. (Application part number P37, **AUX REC**.) (Refer to Assembly Drawing 19D904009, Sheet 7.)
- **Group 8 (G8)** - Panel Assembly includes two (2) 19C852204G1 Interface Modules. (Application part number P38, **EUROEDACS**.) (Refer to Assembly Drawing 19D904009, Sheet 8.)
- **Group 9 (G9)** - Panel Assembly includes two (2) 19C852204G1 Interface Modules and two (2) 19C852226G1 CTIS Modules. (Application part number P39, **GETC SIMULCAST CONTROL POINT (1-12)**.) (Refer to Assembly Drawing 19D904009, Sheet 9.)
- **Group 10 (G10)** - Panel Assembly includes two (2) 19C852204G1 Interface Modules. (Application part number P40, **GETC SIMULCAST CONTROL POINT (13-20)**.) (Refer to Assembly Drawing 19D904009, Sheet 10.)
- **Group 11 (G11)** - Panel Assembly includes two (2) 19C852204G1 Interface Modules (Application part number P41, **VOTER INTERFACE PANEL**.) (Refer to Assembly Drawing 19D904009, Sheet 11.)
- **Group 12 (G12)** - Panel Assembly includes one (1) 19C852323G1 Serial Interface Module, one (1) 19C852213G1 Power Monitor Module, two (2) 19C852313G1 VAX Site Controller Interface boards, and two (2) 19C852379G1 Power Monitor Channel

Select modules. Two additional Interface Modules 19C852204G1 are added as part of Option PSZA1J-S. These optional modules are used with the telephone interconnect system for RIC audio channels 1-12 and RIC data channels 13-20. (Application part number P42, **SITE CONTROLLER VAX-DEC (#1).**) (Refer to Assembly Drawing 19D904009, Sheet 12.)

- **Group 13 (G13)** - Panel Assembly includes three (3) 19C852204G1 Interface Modules. One of the modules is used for downlink transfer, and two are used for phone lines; channels 1-16 and 17-20. (Application part number P43, **SITE CONTROLLER VAX-DEC (#2).**) (Refer to Assembly Drawing 19D904009, Sheet 13.)
- **Group 14 (G14)** - Panel Assembly includes four (4) 19C852204G1 Interface Modules, one (1) 19C852323G1 Serial Interface, one (1) 19C852313G1 VAX Site Controller Interface. Two (2) Interface Modules (204) connect to Phone lines 1-16 and 17-32, and (2) modules connect to RIC audio 1-12 and 13-30. Two (2) Interface Modules 19C852204 are added as a part of Telephone Option PSZA1J-S. (Application part number P44, **CTIS MAIN COMPUTER VAX-DEC.**) (Refer to Assembly Drawing 19D904009, Sheet 14.)
- **Group 15 (G15)** - Panel Assembly includes one (1) 19D904427G1 Simulcast 150 baud Data Interface Module. (Application part number P45, **SIMULCAST CONTROL POINT.**) (Refer to Assembly Drawing 19D904009, Sheet 15.)
- **Group 16 (G16)** - Panel Assembly includes two (2) 19C852204G1 Interface Modules for Data In and Audio In and two (2) 19C852327G1 EUROEDACS Interface Panels for Data Out and Audio Out. (Application part number P46, **EUROEDACS LEASE LINE INTERFACE.**) (Refer to Assembly Drawing 19D904009, Sheet 16.)
- **Group 17 (G17)** - Panel Assembly includes two (2) 19C852349G1 RIC Transformer Signal In/Out Isolation panels, three (3) additional panels of this same type are an option with this Group. (Application part number P47, **RIC TRANSFORMER PANEL.**) (Refer to Assembly Drawing 19D904009, Sheet 17.)
- **Group 18 (G18)** - Panel Assembly includes one (1) 19C852204G1 Interface Module. (Application part number P48, **NDC CONTROL.**) (Refer to Assembly Drawing 19D904009, Sheet 18.)
- **Group 19 (G19)** - Panel Assembly includes four (4) 19C852204G1 Interface Modules. (Application part

number P49, **DVIU Interface Panel.**) (Refer to Assembly Drawing 19D904009, Sheet 19.)

- **Group 20 (G20)** - Panel Assembly includes one (1) 19D904833G1 Station Voter Interface Panel. (Application part number P50, **Station Voter Interface.**) (Refer to Assembly Drawing 19D904009, Sheet 20.)
- **Group 21 (G21)** - Panel Assembly includes one (1) 19D904678G1 Voter RIC Interface Panel. (Application part number P51, **Voter RIC Interface.**) (Refer to Assembly Drawing 19D904009, Sheet 21.)
- **Group 22 (G22)** - Panel Assembly includes three (3) Interface modules for use in simulcast systems. One module provides RJ11 to Telco interface for voice signals, the second provides RJ11 to Telco interface for RS-232 Data signals, and the third interface module provides RJ11 to Telco interface for the external clock signal between the multiplexer and receiver GETC. (Application part number 52, **Aux Rec RS-232.**) (Refer to Assembly Drawing 19D904609, Sh. 22).
- **Group 23 (G23)** - Panel Assembly includes one (1) interface module which is used to provide RJ11 to Telco interface for the voice signals in conventional auxiliary receiver applications. (Application part number 53, **Aux Rec Conventional.**) (Refer to Assembly Drawing 19D904009, Sh. 23.)
- **Group 24 (G24)** - Panel Assembly includes one (1) Timing Interface Module to route channel clock signals between the Channel Bank, the Universal Sync. Shelf and the Digital Cross Connect Panel at the Control Point or the Transmit Cross Connect Panel at the Transmit Site. (Application part number 55, **Simulcast TX Site RS-232 Data.**) (Refer to Assembly Drawing 19D904009, Sh. 24.)

INSTALLATION

To install the EDACS Interface Panel:

1. Install the required panel modules into the Interconnection Panel. Be careful to conform with the cabinet configuration requirements. (Refer to Assembly Diagram 19D904009, Sheets 1 through 21). Mount each panel assembly in the location shown by the Assembly Diagram, even though all panels are not included.
2. Apply the appropriate label.

3. Install the Interconnection Panel in the rear of the cabinet or open rack using four (4) spring nuts and screws (refer to the Parts List for numbers).

In the cabinet, mount the interconnection panel two racks units from the top. In the open rack, mount the interconnection panel three rack units from the top.

To Connect Cables:

Interconnecting cables, connecting control and audio circuits from one Interface Panel to the next, are provided in lengths that are based on standard floor plans (refer to the floor plans in Installation Manual LBI-38762 or LBI-39074).

To complete cabinet to cabinet interconnection cable from the Interface Panel in one cabinet to the same panel in neighboring cabinets.

Table 1 - Panel Group vs. Module Relationships

Module/Drawing	Group Numbers																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
19C852204G1 - M1	5	2	4	2	1	2	2	2	2	2	2		3	4		2		1	4			3	1	
19C852323G1 - M2	1	1		1	1	1						1		1										
19C852226G1 - M3			1						2															
19C852215G1 - M4					1																			
19C852218G1 - M5					1																			
19C852339G1 - M6					1																			
19C852213G1 - M7						1						1												
19C852313G1 - M8												2		1										
19C852379G1 - M9												2												
19D904427G1 - M10															1									
19C852327G1 - M11																2								
19C852349G1 - M12																	2							
19D904833G1 - M13																				1				
19D904678G1 - M14																					1			
ROA1172209 - M15																								1

Group Number Nomenclature

G1 - Station Assembly
G2 - CTIS Main Computer Cabinet
G3 - CTIS RIC Cabinet
G4 - Simulcast Station Panel
G5 - Simulcast TX Common Equipment
G6 - Site Controller - PDP11
G7 - Auxiliary Receiver
G8 - EUROEDACS Assembly

G9 - GETC Simulcast Cntl. Point (1-12)
G10 - GETC Simulcast Cntl. Point (13-20)
G11 - Voter Interface
G12 - Site Controller VAX-DEC (#1)
G13 - Site Controller VAX-DEC (#2)
G14 - CTIS Main Computer VAX-DEC
G15 - Simulcast Control Point
G16 - EUROEDACS Lease Line Interface

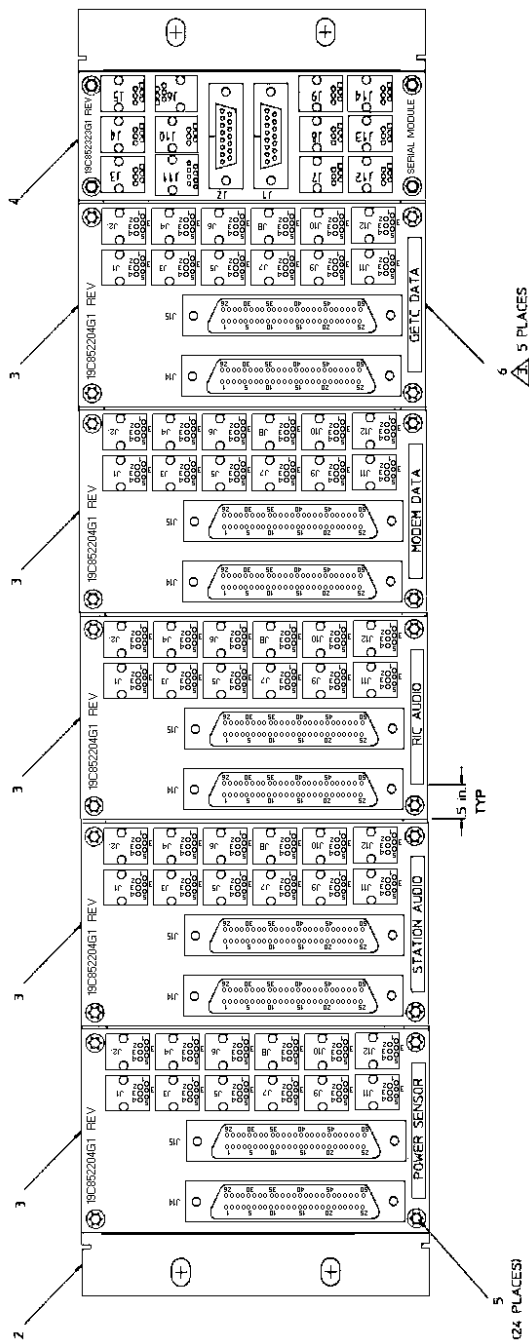
G17 - RIC Transformer Panel
G18 - NDC Control
G19 - DVIU Interface Panel
G20 - Station Voter Interface
G21 - Voter/RIC Interface
G22 - Auxiliary Receiver RS-232
G23 - Auxiliary Receiver MIII Conventional
G24 - Simulcast TX Site, RS-232 DATA

Module Number Nomenclature

M1 - Interface Module (#1)
M2 - Serial Module
M3 - CTIS Module
M4 - PTT Module
M5 - Power Monitor for Simulcast

M6 - TUAI for Simulcast
M7 - Power Monitor Module
M8 - VAX Site Connection
M9 - Power Monitor/Channel Select
M10 - Simulcast 150 Baud Data

M11 - EUROEDACS Interface
M12 - RIC I/O Transfer Signal Isolation
M13 - Station Voter Interface Panel
M14 - Voter RIC Interface Panel
M15 - Timing Interface Module



STATION ASSEMBLY

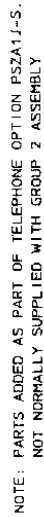
1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

INSTALLATION

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 716086P33 SPRING NUTS AND 13401P1 SCREWS. MOUNT 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RAI

EDACS INTERCONNECTION PANEL
STATION ASSEMBLY

(19D904009, Sh. 1, Rev. 2)



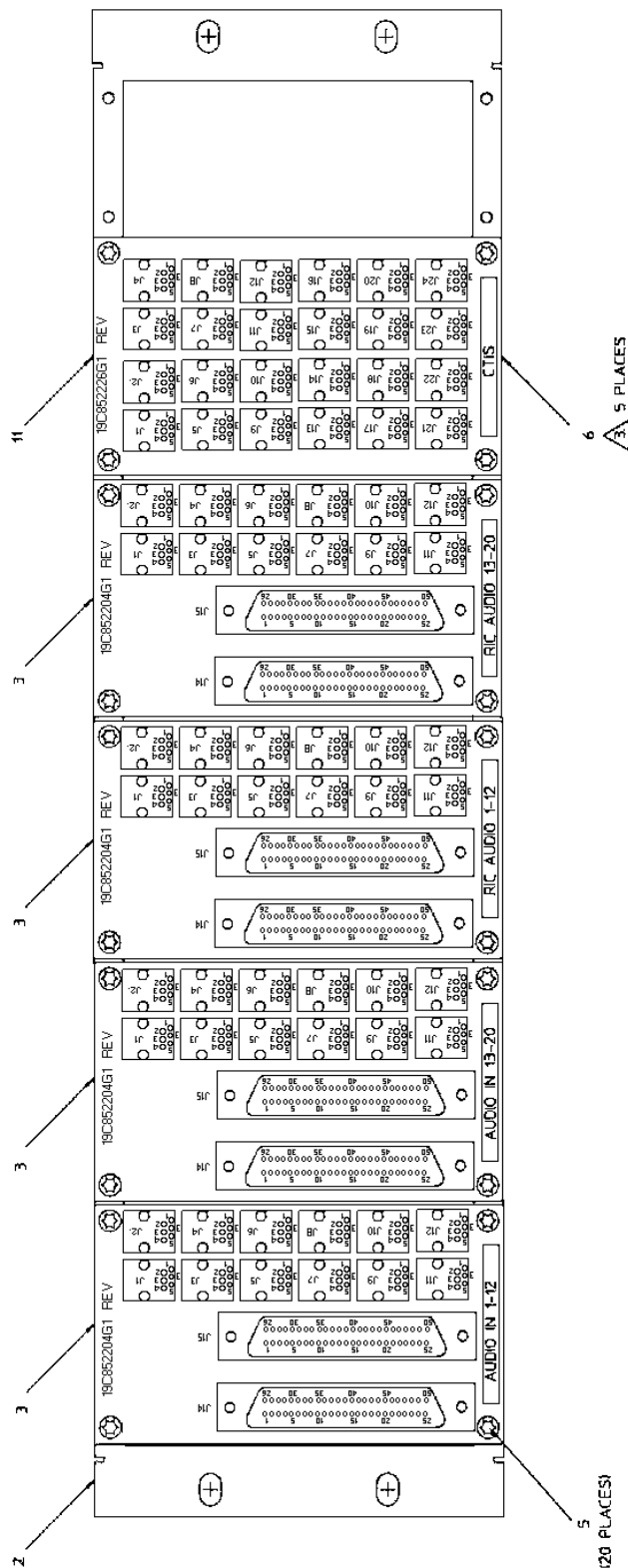
7

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

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- 1** INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7160B0P33 SPRING NUTS AND 13401P1 SCREWS. MOUNT 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

(19D904009, Sh. 2, Rev. 3)



CTIS RIC CABINET

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

INSTALLATION

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7160861P33 SPRING NUTS AND 13401P1 SCREWS. MOUNT 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

EDACS INTERCONNECTION PANEL

CTIS RIC Cabinet

(19D904009, Sh. 3, Rev. 0)



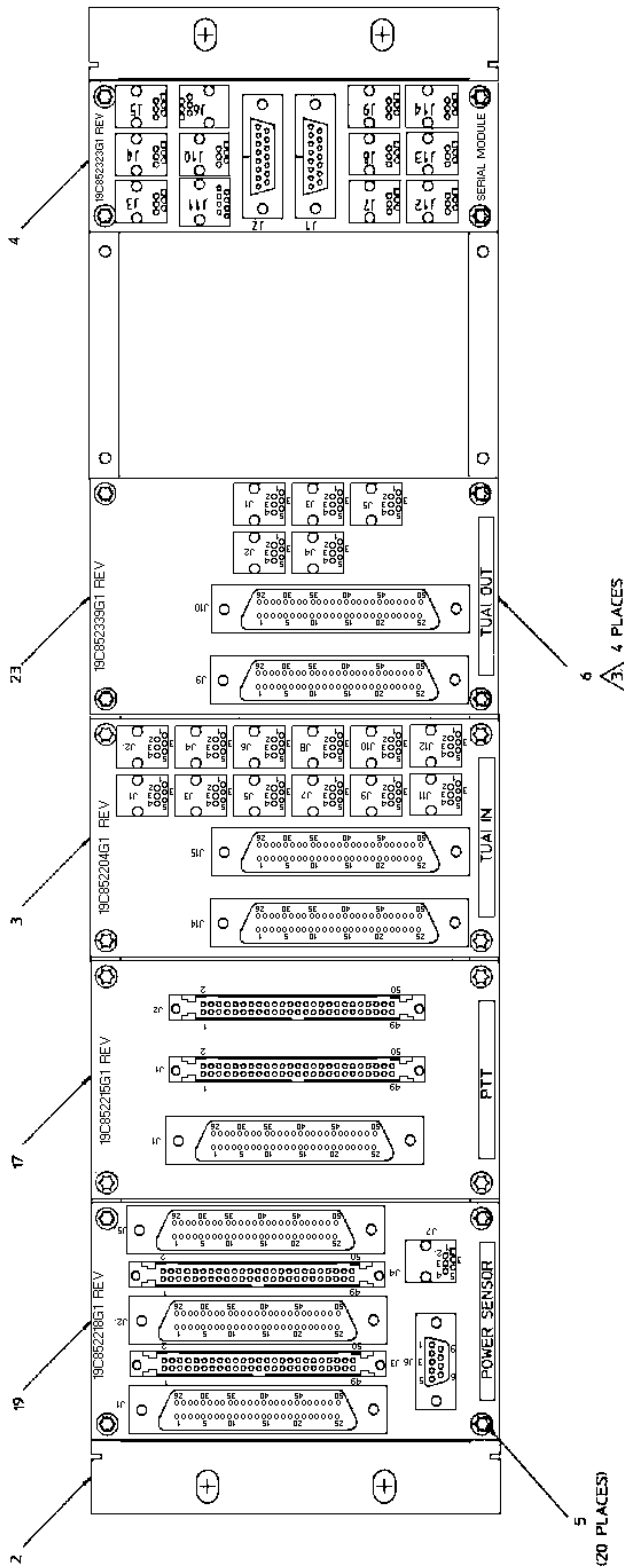
SIMULCAST STATION

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

INSTALLATION

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7/16X86 IP33 SPRING NUTS AND 13401P1 SCREWS. MOUNT 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

(19D904009, Sh. 4, Rev. 2)



14 SIMULCAST TX COMMON EQUIPMENT

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

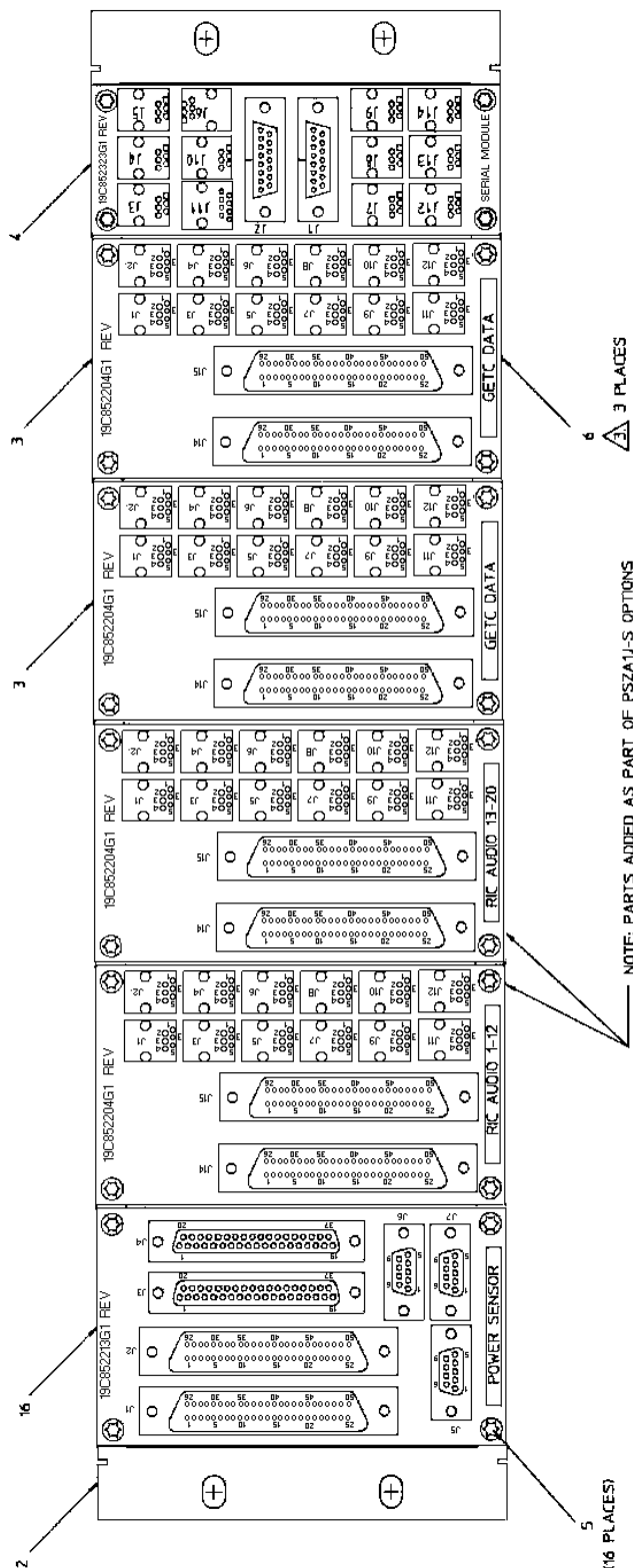
114 INSTALLATION

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7/16X86IP33 SPRING NUTS AND 13/40IP1 SCREWS. MOUNT 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

EDACS INTERCONNECTION PANEL

Simulcast TX Common Equipment

(19D904009, Sh. 5, Rev. 3)



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SITE CONTROLLER - PDP11

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.

2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.

3. APPLY SUPPLIED LABELS AS SHOWN.

INSTALLATION

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7160861P33 SPRING NUTS AND 13401P1 SCREWS. ASSEMBLE 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

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EDACS INTERCONNECTION PANEL

Site Controller

(19D904009, Sh. 6, Rev. 3)

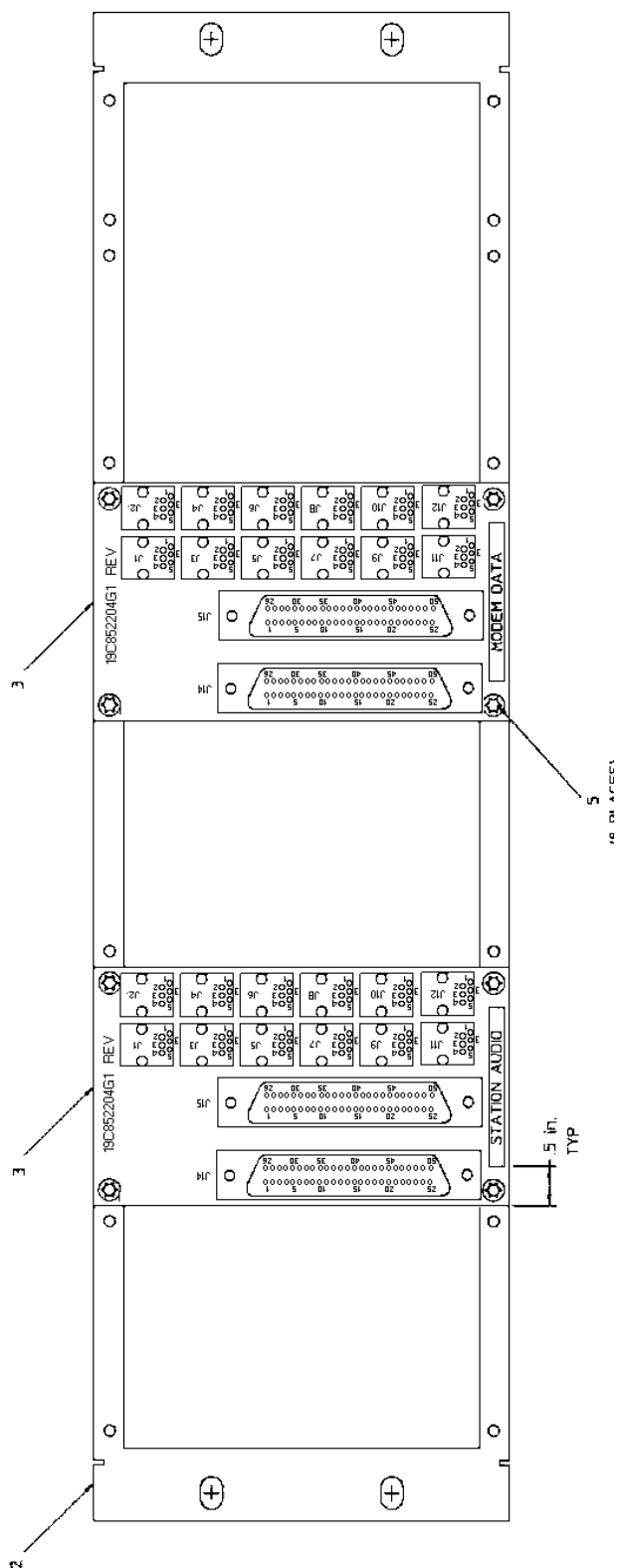


1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

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1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 746086/P33 SPRING NUTS AND 134011P1 SCREWS. MOUNT 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

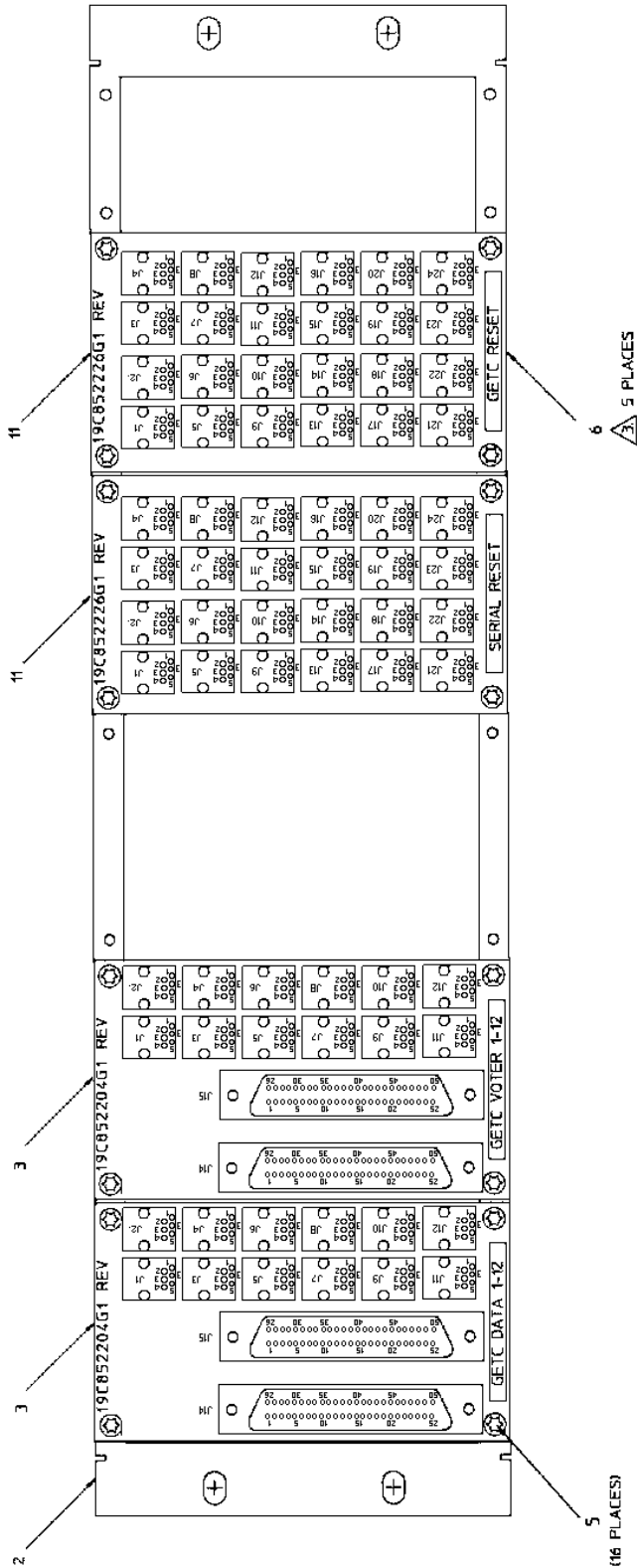
13



EUROEDACS ASSEMBLY

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

(19D904009, Sh. 8, Rev. 1)



GETC SIMULCAST CONTROL POINT (1-12)

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

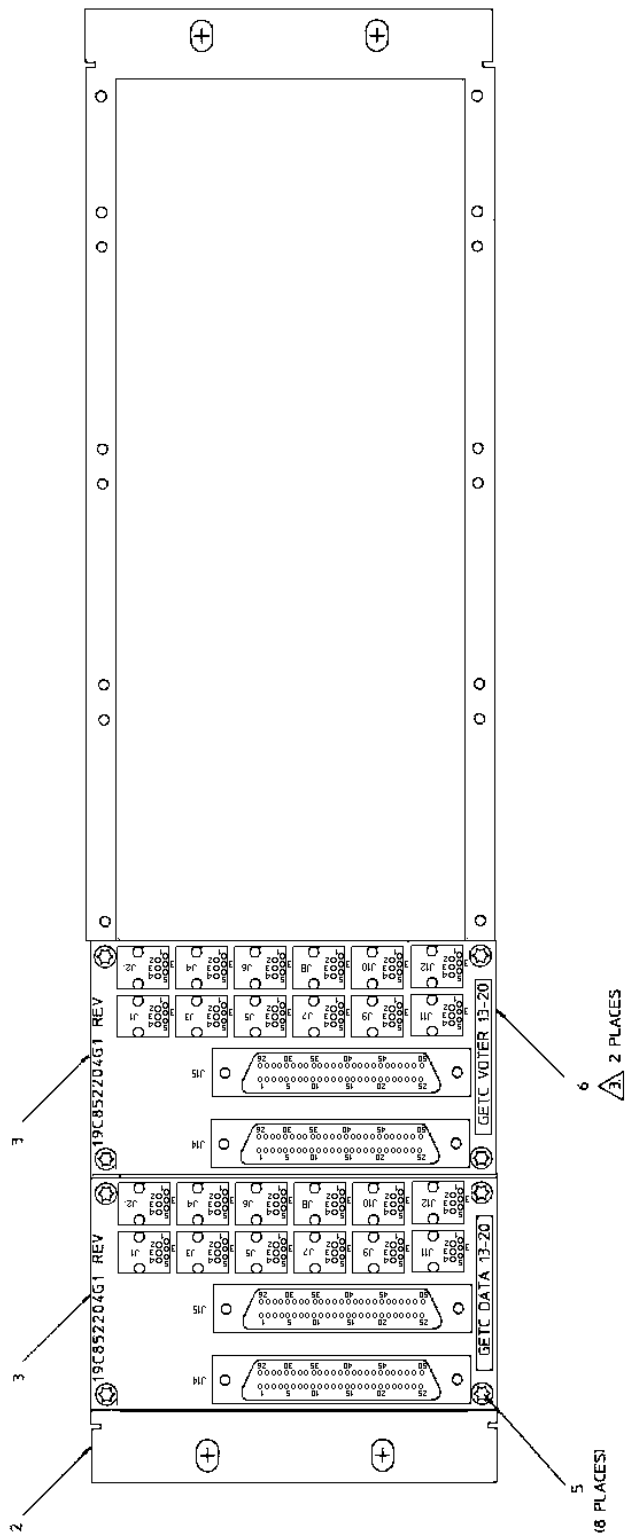
INSTALLATION

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7160861P33 SPRING NUTS AND 134011P1 SCREWS. MOUNT 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

EDACS INTERCONNECTION PANEL

GETC Simulcast Control Point (1-12)

(19D904009, Sh. 9, Rev. 3)



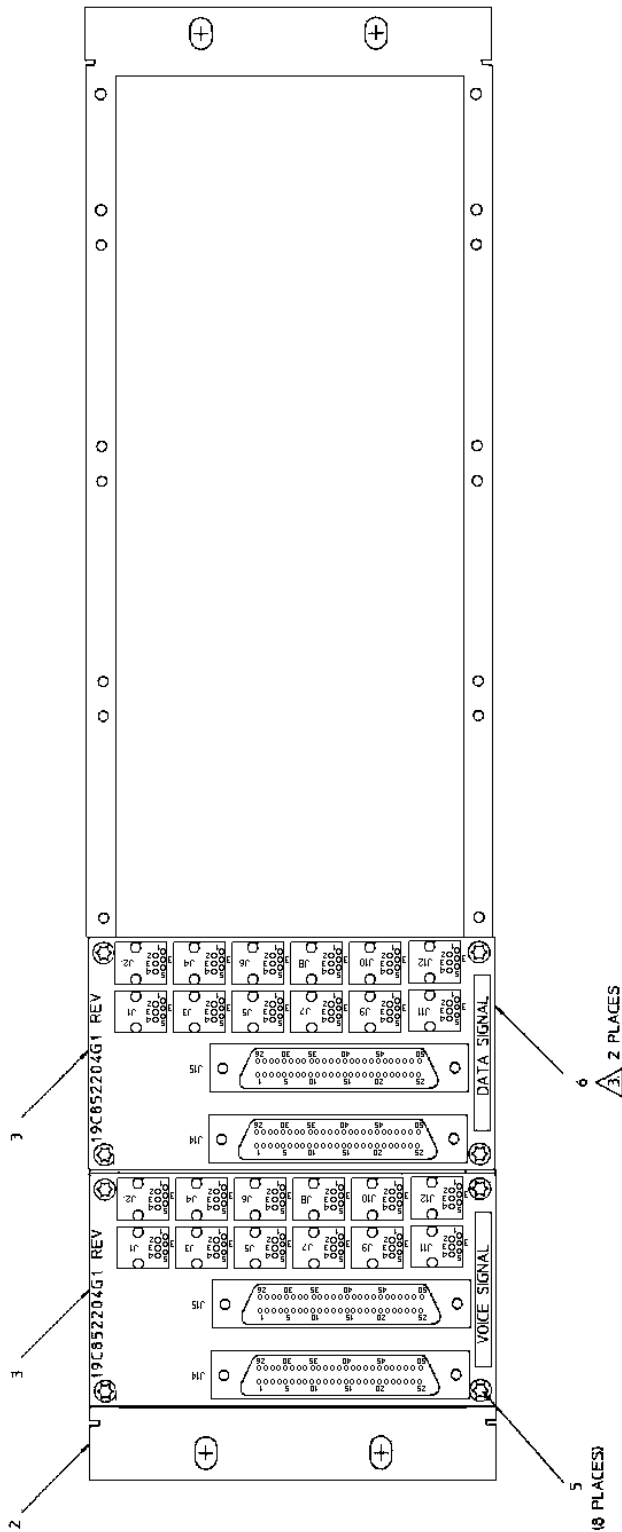
GETC SIMULCAST CONTROL POINT
(13-20)

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.

EDACS INTERCONNECTION PANEL

GETC Simulcast Control Point (13-20)

(19D904009, Sh. 10, Rev. 0)

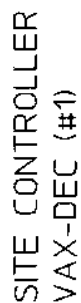


41 VOTER INTERFACE PANEL

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

EDACS INTERCONNECTION PANEL Voter Interface Panel

(19D904009, Sh. 11, Rev. 1)



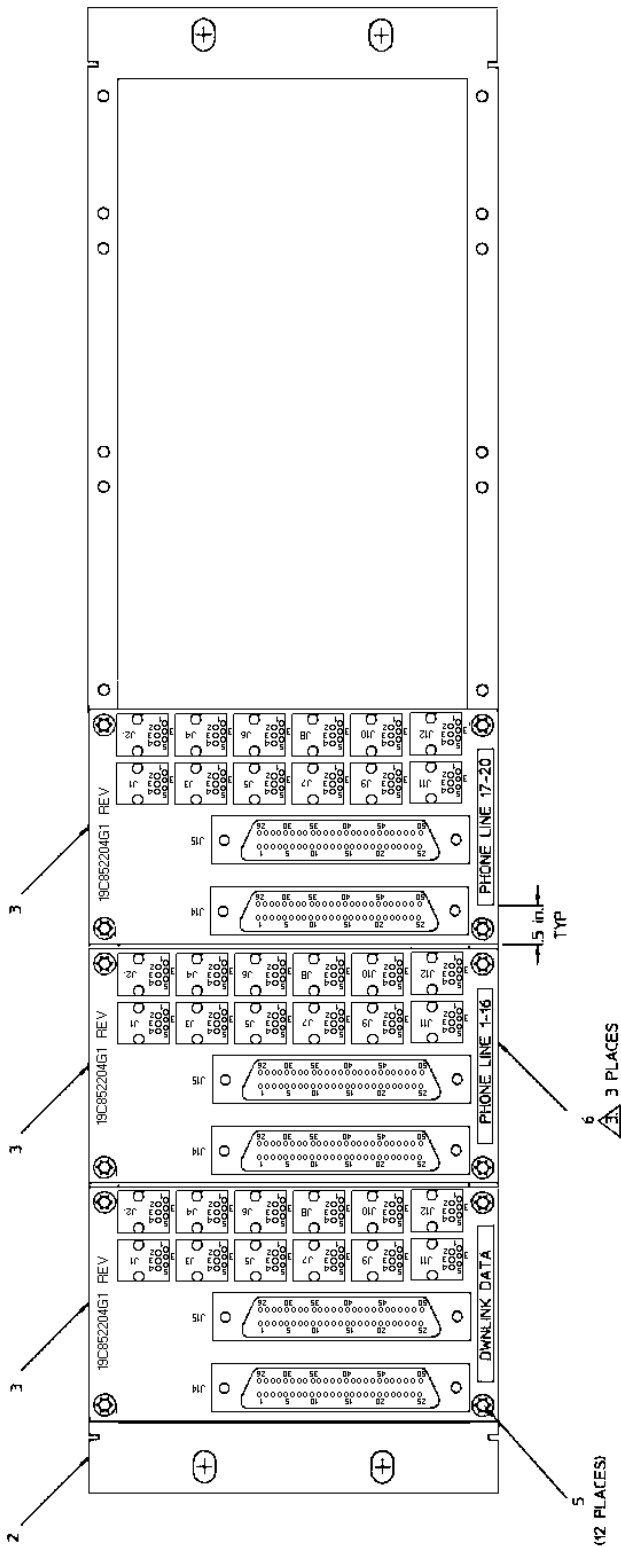
1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

INSTALLATION

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7/64X8X1/32 SPRING NUTS AND 13/401P1 SCREWS. ASSEMBLE 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

Site Controller - VAX-DEC (#1)

(19D904009, Sh. 12, Rev. 1)



SITE CONTROLLER
VAX-DEC (#2)

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1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN

INSTALLATION

120

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7/16X3/4X13 SPRING NUTS AND 13X10X1/4 SCREWS.
MOUNT 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

INSTALLATION

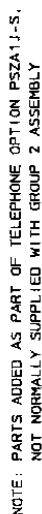
143

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7/16X3/4X13 SPRING NUTS AND 13X10X1/4 SCREWS.
MOUNT 1 RACK UNIT BELOW 90904009 672 PANEL.

EDACS INTERCONNECTION PANEL

Site Controller - VAX-DEC (#2)

(19D904009, Sh. 13, Rev. 1)



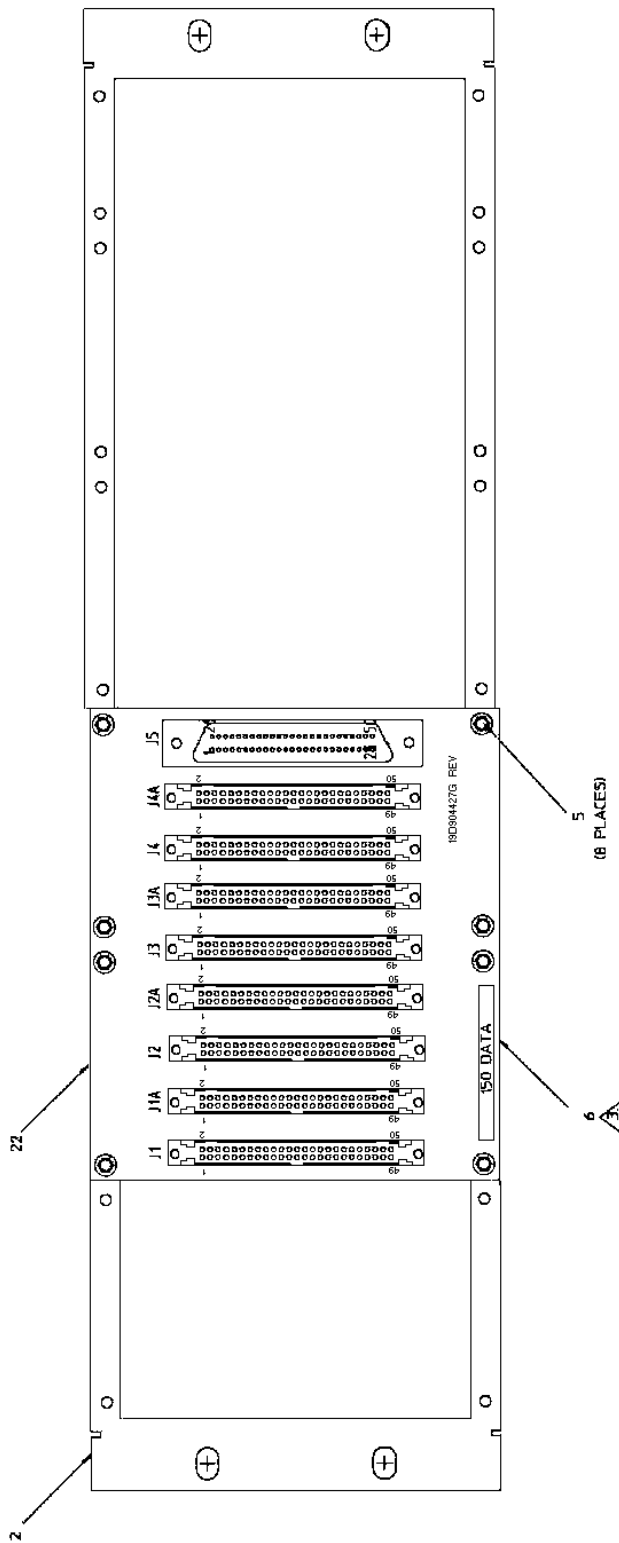
CTIS MAIN COMPUTER
VAX-DEC

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

INSTALLATION

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7/60861P33 SPRING NUTS AND 13401P1 SCREWS.
MOUNT 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

(19D904009, Sh. 14, Rev. 0)



SIMULCAST CONTROL POINT

45

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

INSTALLATION

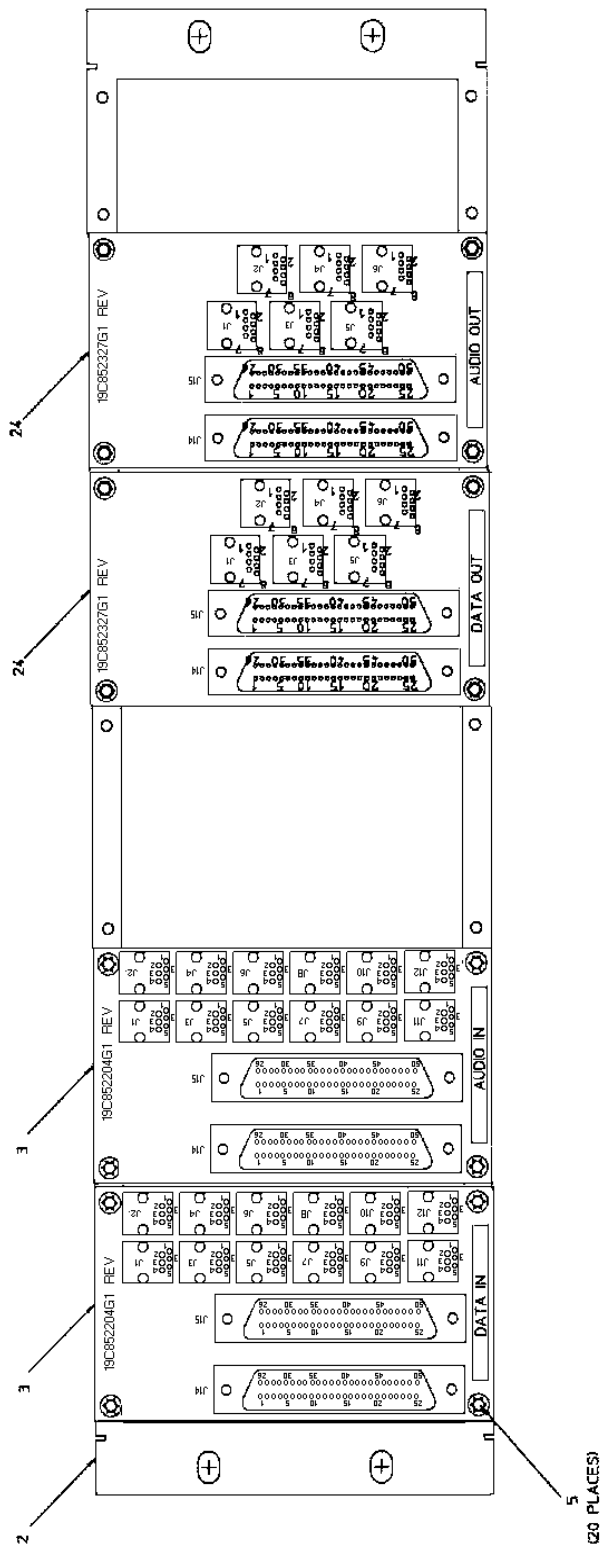
145

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 716086#33 SPRING NUTS AND 13401#1 SCREWS. MOUNT 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

EDACS INTERCONNECTION PANEL

Simulcast Control Point

(19D904009, Sh. 15, Rev. 0)



EUROEDACS LEASE LINE INTERFACE

46

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

INSTALLATION

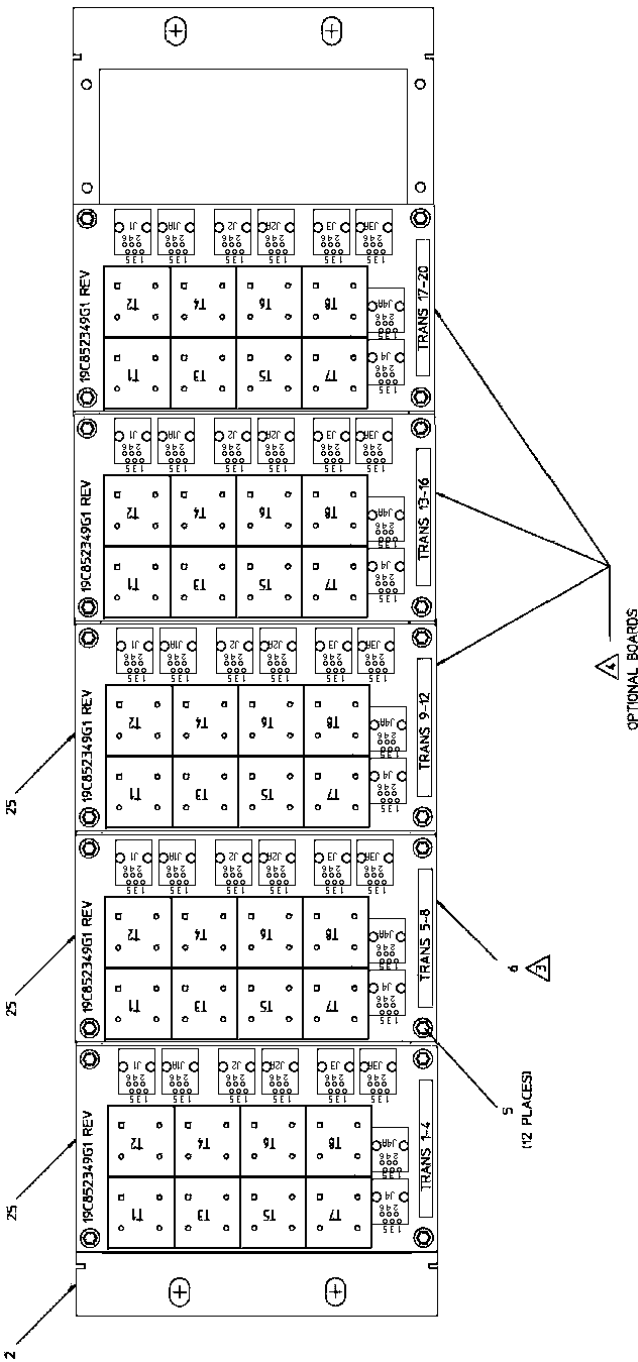
146

1. INSTALL IN CABINET/OPEN RACK USING FOUR 7/6086IP33 SPRING NUTS AND 13401P1 SCREWS. MOUNT AS SHOWN IN LEASED LINE INTERFACE CABINET DRAWING 19D904560.

EDACS INTERCONNECTION PANEL

EUORDACS Lease Line Interface

(19D904009, Sh. 16, Rev. 1)



RIC TRANSFORMER PANEL

47

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.
4. OPTIONAL BOARDS SUPPLIED AND INSTALLED AT CABINET INSTALLATION. INCLUDE UNUSED NAMEPLATES WITH PANEL FOR USE ON OPTIONAL BOARDS.

INSTALLATION

147

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7-160861P33 SPRING NUTS AND 13401P1 SCREWS. MOUNT DIRECTLY BELOW EXISTING EDACS INTERFACE PANELS.

EDACS INTERCONNECTION PANEL

RIC Transformer Panel

(19D904009, Sh. 17, Rev. 1)



NDC CONTROL

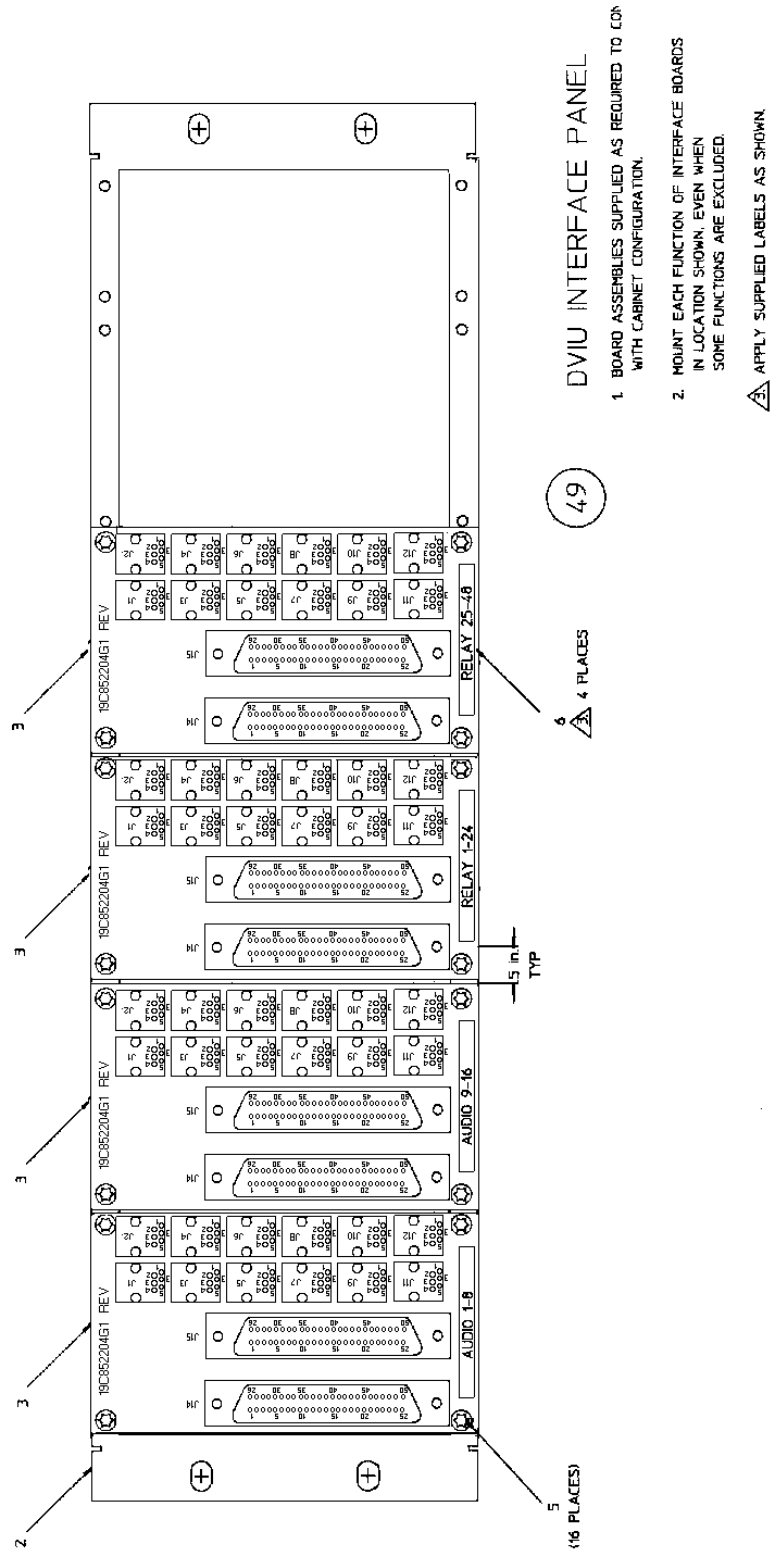
1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

INSTALLATION

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7/60861P33 SPRING NUTS AND 13401P1 SCREWS. MOUNT 2 RACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

148

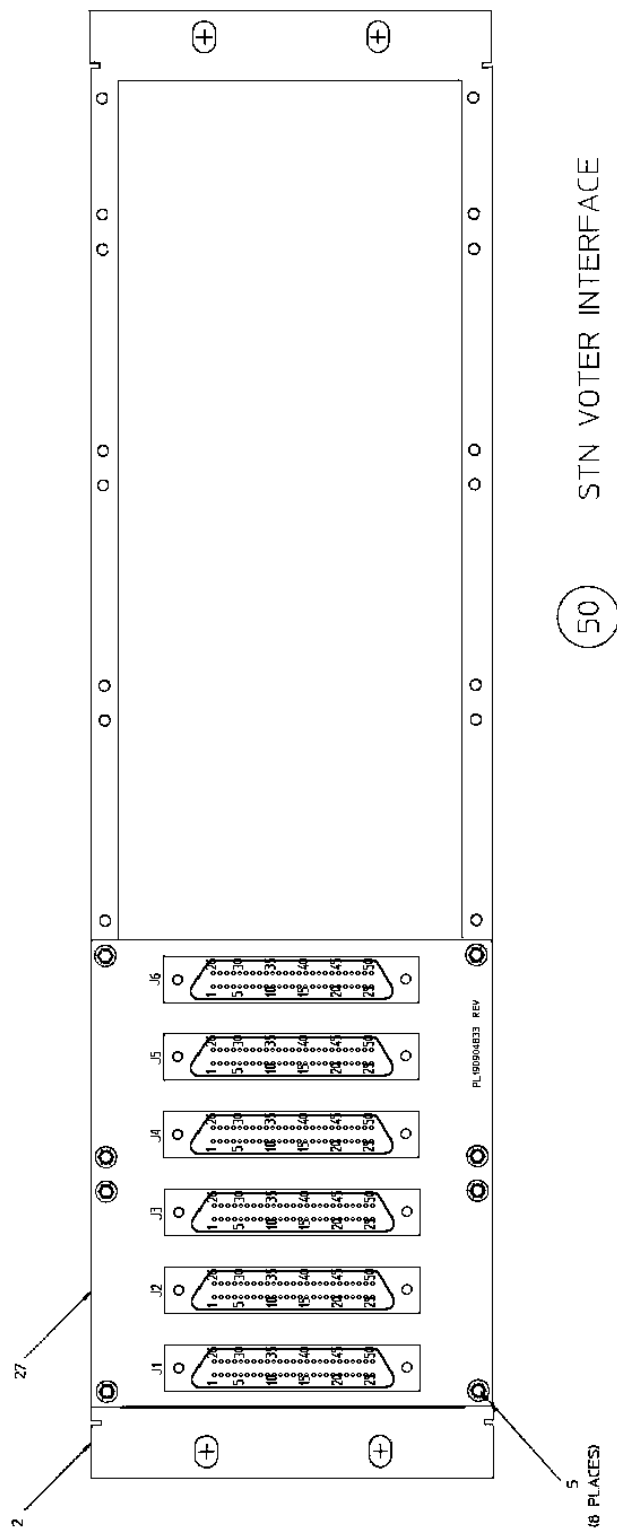
(19D904009, Sh. 18, Rev. 0)



EDACS INTERCONNECTION PANEL

DVIU Interface Panel

(19D904009, Sh. 19, Rev. 0)

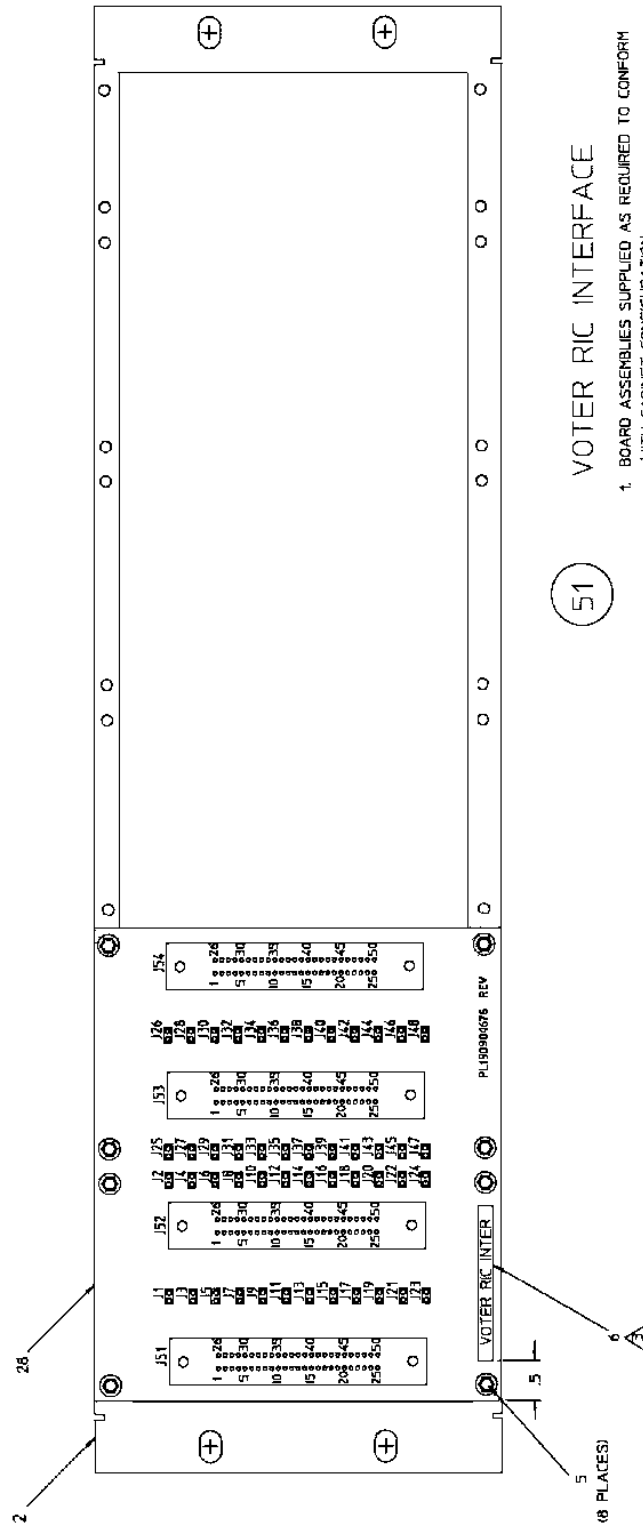


1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.

EDACS INTERCONNECTION PANEL

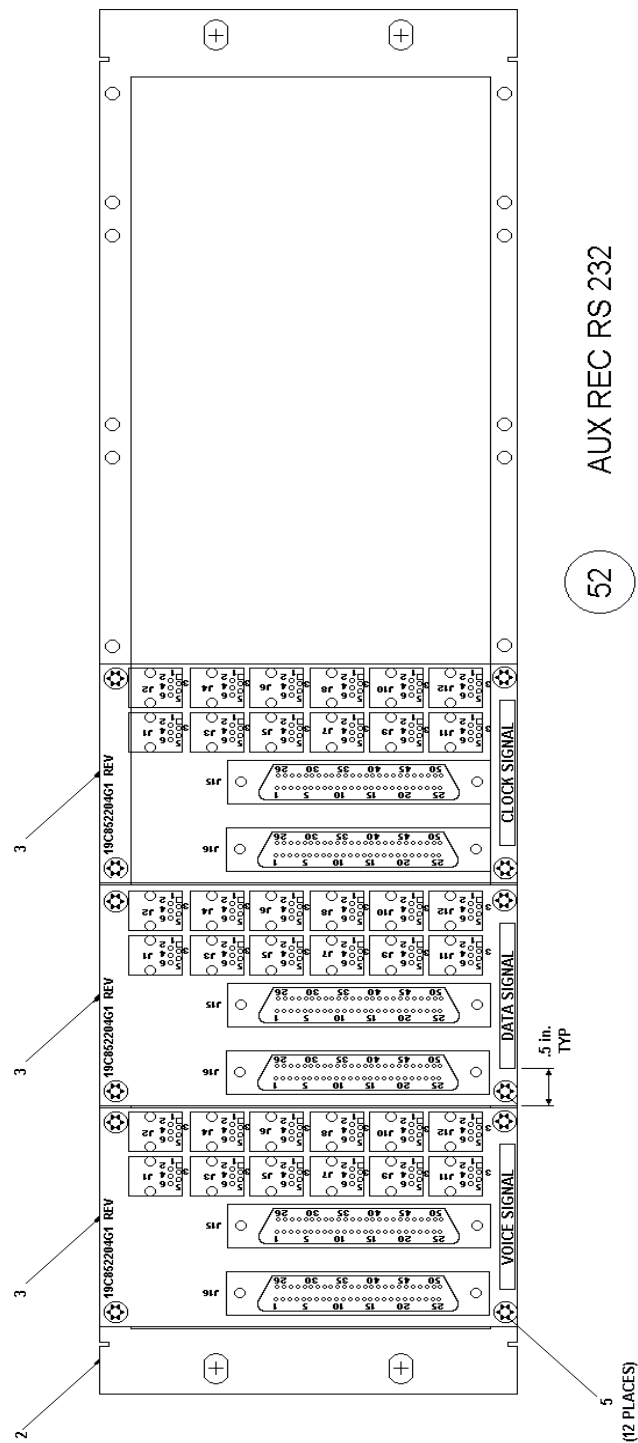
Station Voter Interface Panel

(19D904009, Sh. 20, Rev. 1)



EDACS INTERCONNECTION PANEL
Voter RIC Interface Panel

(19D904009, Sh. 21, Rev. 0)

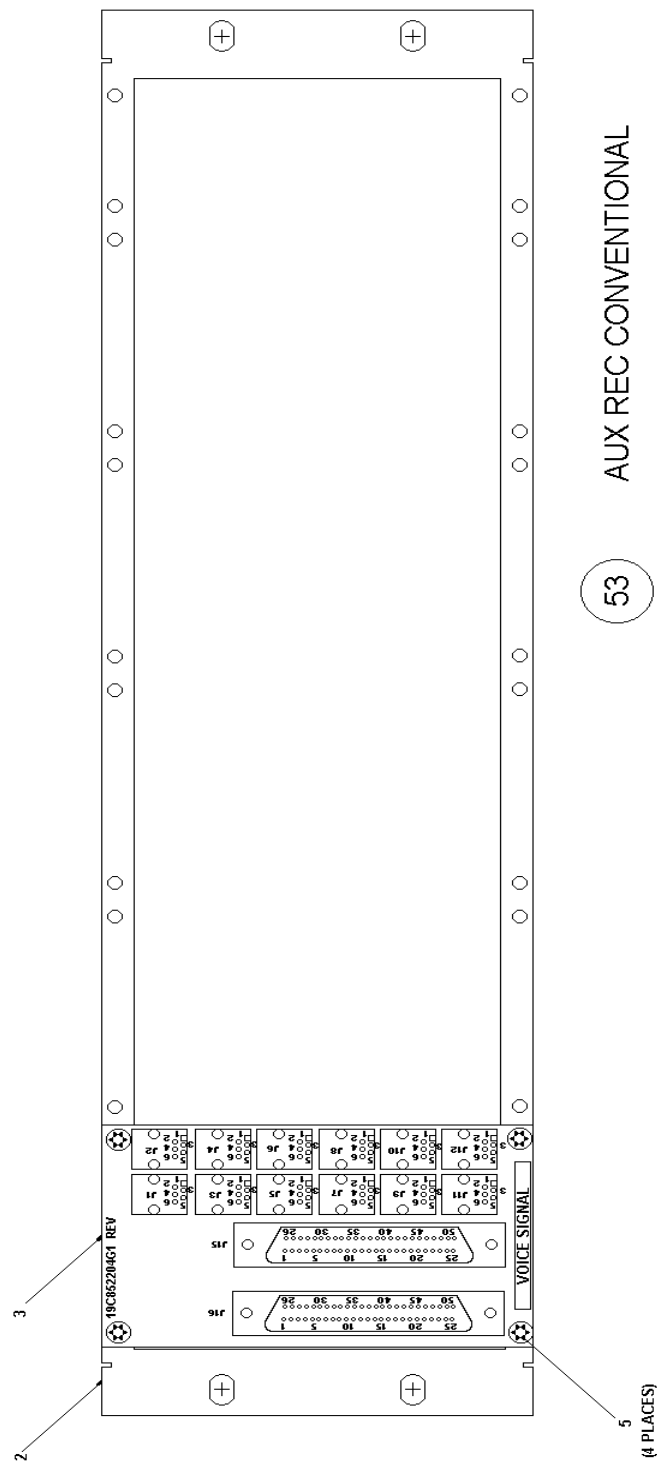


1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

EDACS INTERCONNECTION PANEL

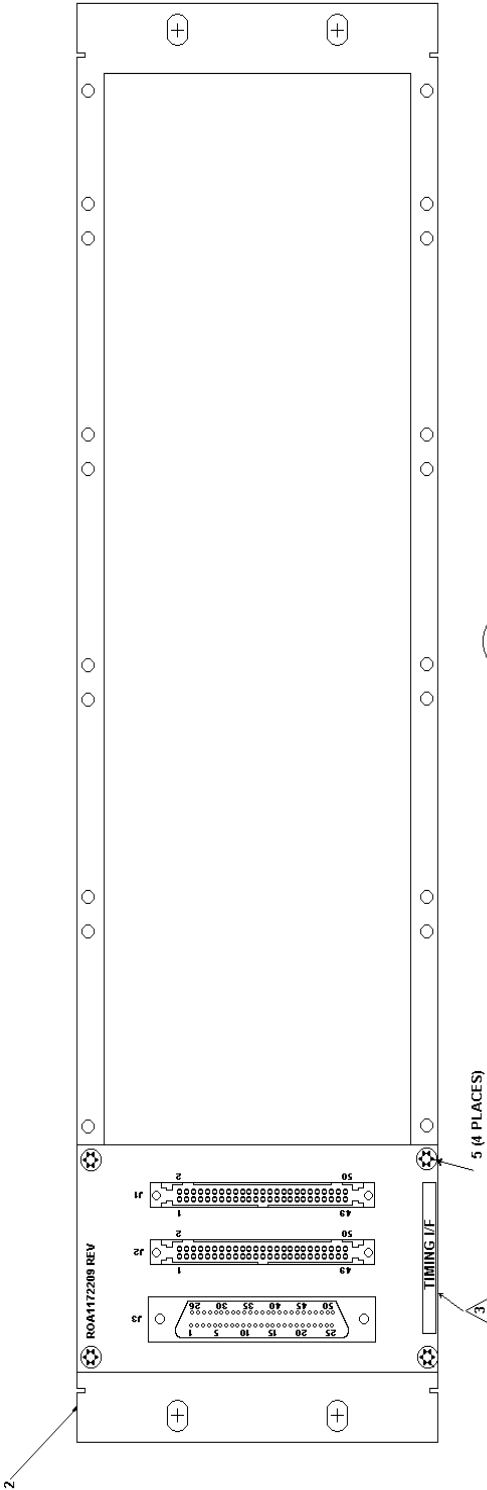
Auxiliary Receiver, RS-232

(19D904009, Sh. 22, Rev. 1)



EDACS INTERCONNECTION PANEL
Auxiliary Receiver, Conventional

(19D904009, Sh. 23, Rev. 1)



55 SIMULCAST TX SITE (RS232 DATA)

1. BOARD ASSEMBLIES SUPPLIED AS REQUIRED TO CONFORM WITH CABINET CONFIGURATION.
2. MOUNT EACH FUNCTION OF INTERFACE BOARDS IN LOCATION SHOWN, EVEN WHEN SOME FUNCTIONS ARE EXCLUDED.
3. APPLY SUPPLIED LABELS AS SHOWN.

155 INSTALLATION

1. INSTALL IN REAR OF CABINET/OPEN RACK USING FOUR 7160861P33 SPRING NUTS AND 134011P1 SCREWS MOUNT 2 BACK UNITS FROM THE TOP OF REAR MOUNTING RAIL IN CABINET AND 3 RU FROM TOP OF OPEN RACK.

EDACS INTERCONNECTION PANEL
Timing Interface Module (RS-232 Version)

(19D904009, Sh. 24, Rev. 1)

**EDACS
INTERCONNECTION PANEL
19D904009G1 - G24
Issue 2**

SYMBOL	PART NUMBER	DESCRIPTION
2	19D903881P1	FRAME (Used in G1 through G21).
3	19C852204G1	Interface Module (Used in G1-G11, G13, G14, G16, G18, G19, G22, G23).
4	19C852323G1	Serial Module (Used in G1, G2, G4-G6, G12, and G14).
5	19A702381P506	Screw, thread forming: TORX, No. M3.5-.6 x 6. (Used in G1 through G21).
6	344A4111P1	Nameplate (Used in G1 through G21).
11	19C852226G1	CTIS Module (Used in G3 and G9).
16	19C852213G1	Power Monitor Module (Used in G6 and G12).
17	19C852215G1	PTT Module (Used in G5).
18	19C852339G1	TUAI Module (Used in G5).
19	19C852218G1	Power Monitor Module for SIMULCAST (Used in G5).
21	19C852313G1	Site Controller - VAX-DEC (Used in G12 and G14).
22	19C852379G1	Power Monitor Channel Select (Used in G12).
23	19D904427G1	Simulcast 150 Baud Interface Module (Used in G15).
24	19C852327G1	EDACS Interface Module 2 (Used in G16).
25	19C852349G1	RIC Transformer Signal In/Out Isolation (Used in G17).
27	19D904833G1	Station Voter Interface Panel (Used in G20).
28	19D904678G1	RIC-Voter Interface Panel (Used in G21).
29	ROA1172209	GETC Timing Interface Module, RS-232 DATA (Used in G24)
		----- ASSOCIATED PARTS -----
	19D903880P120/ 19D903880P121	Telco Connector 25 twisted pair. Shielded AMP #5-555012-1 or #5-555012-2 (Right angle case, with bail lock mating cable to exit on Pin 1/26 end) P01 and P02 male connector straight through connection 1-1, 2-2, etc. Shield connect to case both ends. Cable marked with number 19D903880P120 for a 5 foot cable and 19D903880P121 for a 15 foot cable.
	19D903880P130/ 19D903880P131	Serial link cabinet to cabinet P01 and P02 DB-15 male connector straight through connection 1-1, 2-2, etc. Shield connect to case both ends. Cable marked with number 19D903880P130 for a 5 foot cable and 19D903880P131 for a 15 foot cable.



Ericsson GE Mobile Communications Inc.
Mountain View Road • Lynchburg, Virginia 24502

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