

MAINTENANCE MANUAL

STATION CROSS CONNECT PANEL

ROA 117 2254

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SPECIFICATIONS

CONNECTORS:

Primary Side of Panel	Twelve 50-Pin Connectors (<i>J1-J12</i>) and one Telephone Connector (<i>J21</i>)
Secondary Side of Panel	Ten 50-Pin Connectors (<i>J13-J19 and J22-J24</i>) and one Telephone Connector (<i>J20</i>)

MOUNTING	Frame Assembly 19D903881P2 (Reference Only)
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DESCRIPTION

Station Cross Connect Panel *ROA 117 2254* is used to provide a connectorized interface to the MASTR III[®] stations in the **GPS** Simulcast system. This panel essentially re-maps (routes) the station logic (multiple functions per channel) to the Simulcast Control & MUX logic (multiple channels per function). The one exception to this is transmit low speed data (150D), which is simply bussed to all stations in parallel.

This panel mounts to frame assembly *19D903881P2* which is then mounted on the rear of the transmit site equipment cabinet. The frame assembly is for reference only. It is not part of the ROA 117 2254 product. Installation of the frame assembly requires 8 mounting screws (19A702381P506). Refer to the Figure.

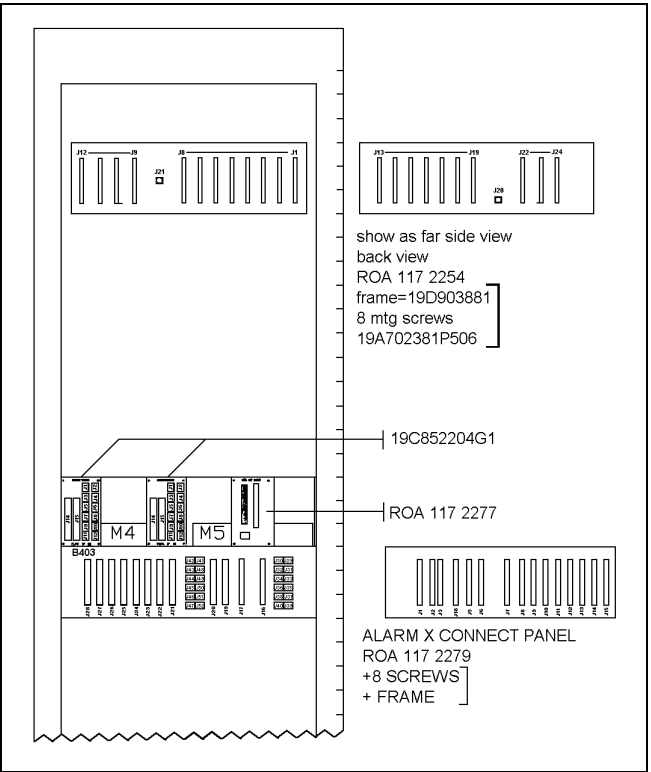
The Cross Connect panel has a *primary* side and a *secondary* side. The primary side of the panel provides twelve 50-pin connectors with latches (*J1-J12*) and one telephone modular jack (*J21*). The *secondary* side of the panel provides ten 50-pin header connectors with latches (*J13-J19 and J22-J24*) and one telephone connector jack (*J20*). The connectors on the primary side of the panel are for inter-cabinet (between cabinets) cable connections and the connectors on the secondary side of the panel are for intra-cabinet (inside of cabinet) cable connections.

To read the Schematic Diagram, coordinates have be placed around the perimeter of the drawing; 1 though 16 horizontally and A through K vertically. At the end of each connection is a set of coordinates (i.e. for connector J1-1 (CH01 TXV R) the coordinates are 3-A7). These coordinates show where connector J1-1 (CH01 TXV R) connects. The 3-A7 means sheet 3 and coordinates A (vertically) and 7 (horizontally). Its easier to read horizontally then vertically. Going to sheet 3 and reading horizontally to 7 then vertically to A shows that J1-1 (CH01 TXV R) connects to J13-1 (CH01 TXV R). Notice this procedure also reads in reverse. the coordinates at the end of J13-1 (CH01 TXV R) is 1-A3. Going to sheet 1, then reading horizontally to 3 and vertically to A shows that J13-1 (CH01 TXV R) connects to J1-1 (CH01 TXV R).

NOTE

Repairs to this equipment should be made only by an authorized service technician or facility designated by the supplier. Any repairs, alterations or substitution of recommended parts made by the user to this equipment not approved by the manufacturer could

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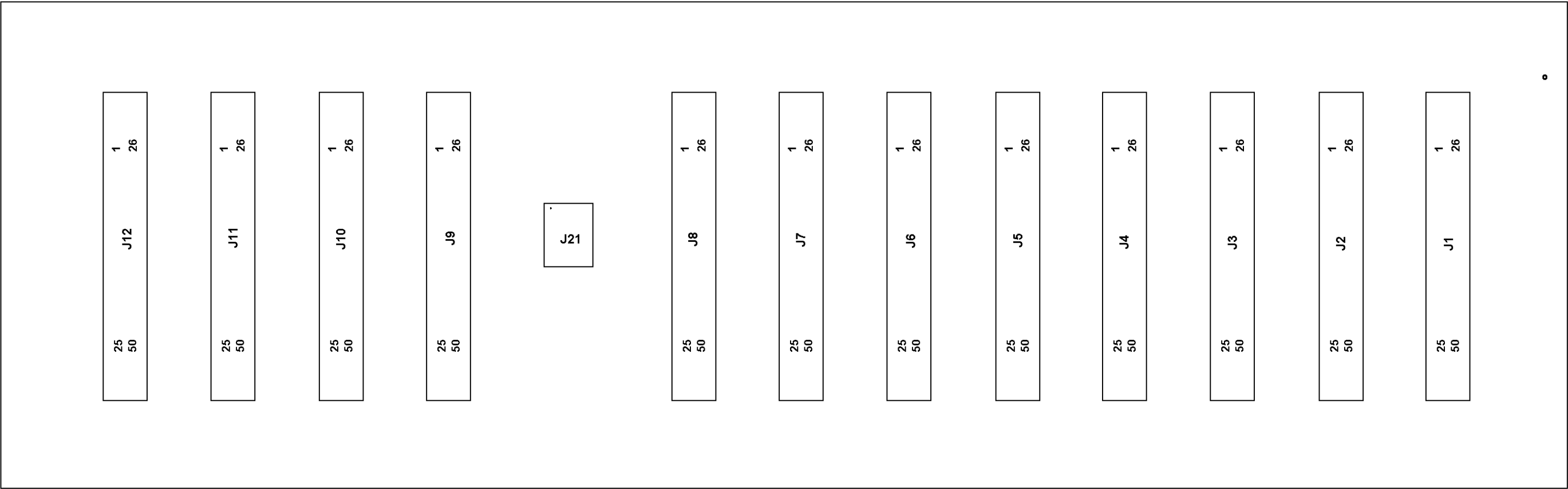


Cross Connect Panel in Simulcast Transmit Site Equipment Cabinet

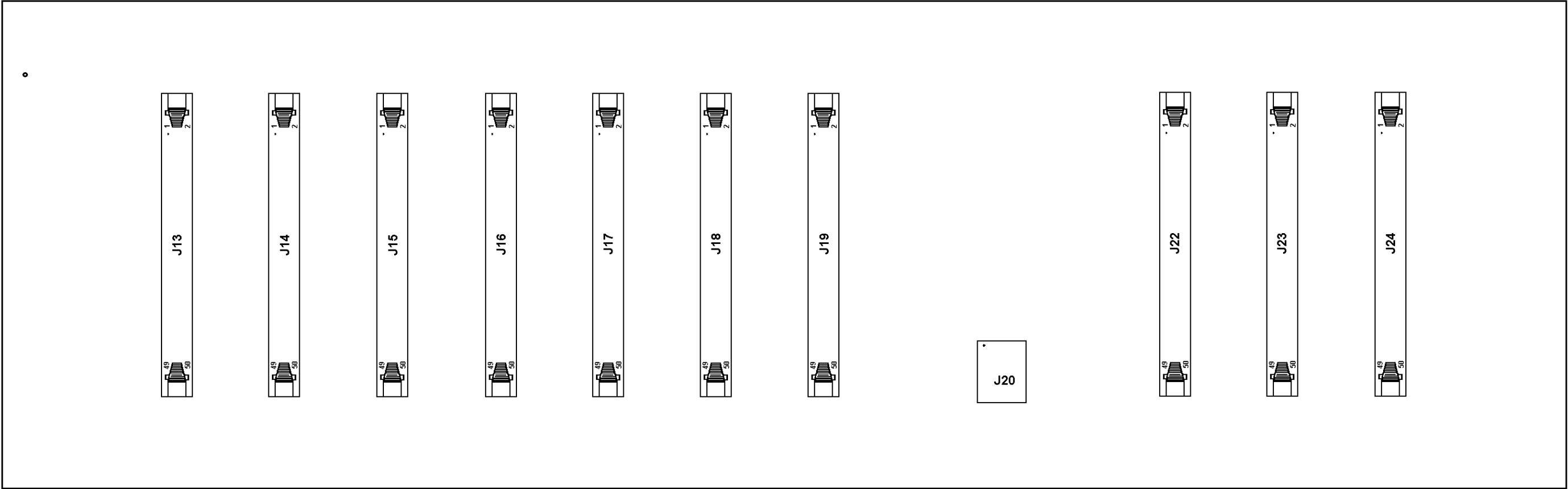
PARTS LIST

STATION CROSS CONNECT PANEL
ROA 117 2254

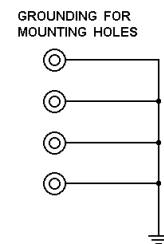
SYMBOL	PART NO.	DESCRIPTION
- - - -CONNECTORS- - - -		
J01 thru J12	19B800935P12 (RVN 403 845/050)	50-Pin
	19B800935P16 (NTM 201 1083/1)	Latch
J13-J19 and J22-J24	RPV 403 148/050	50-Pin Header
	RPV 403 143/901	Latch
J20 and J21	RNV 403 04/6	Telephone modular jack, PC-mounting and top entry with 6 positions and 6 contacts.
- - - -MISCELLANEOUS- - - -		
	19D903881P2	Frame Assembly



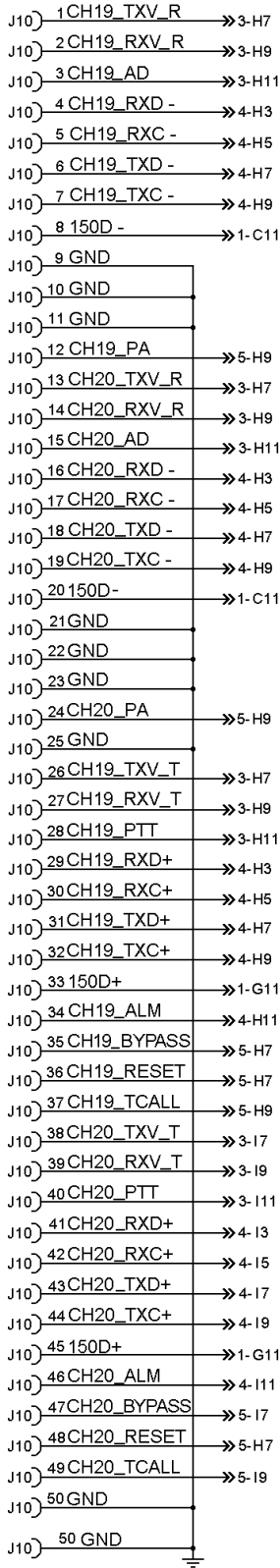
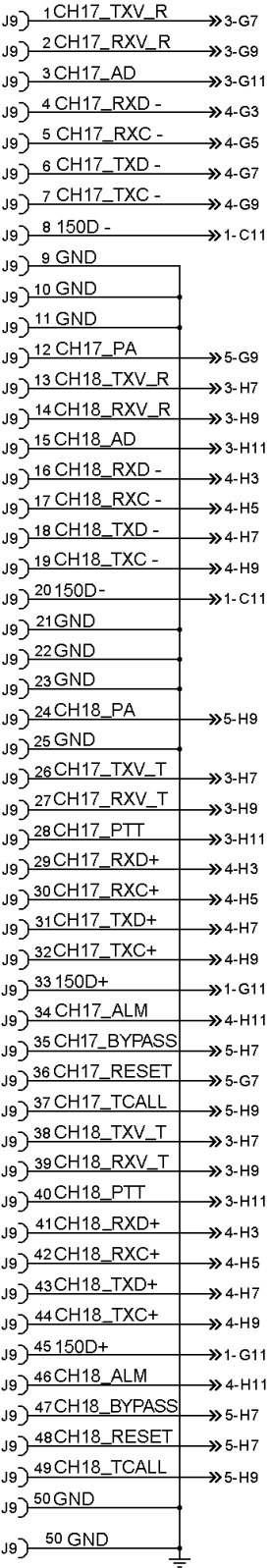
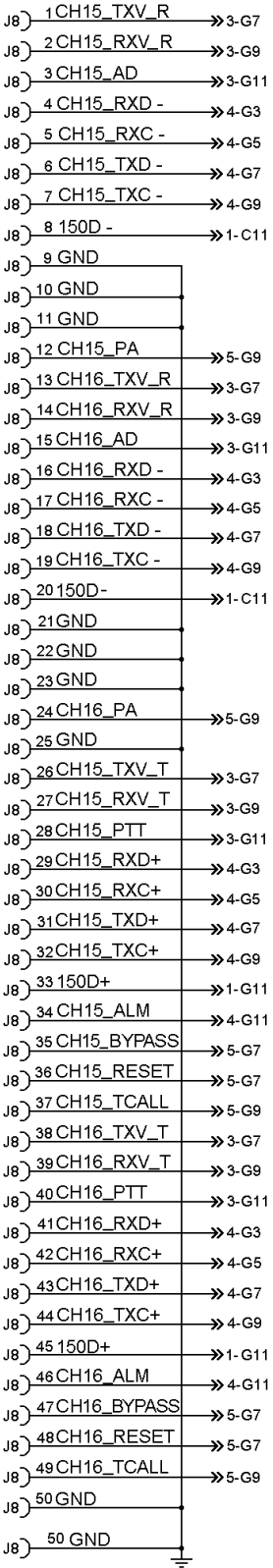
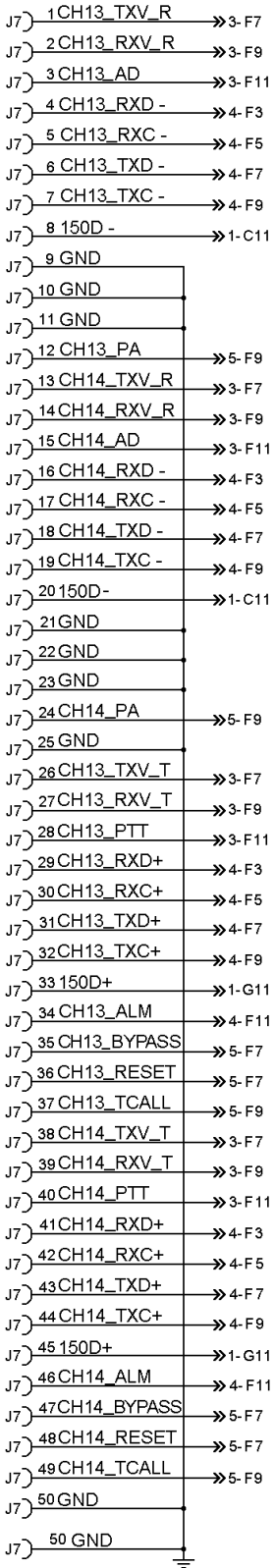
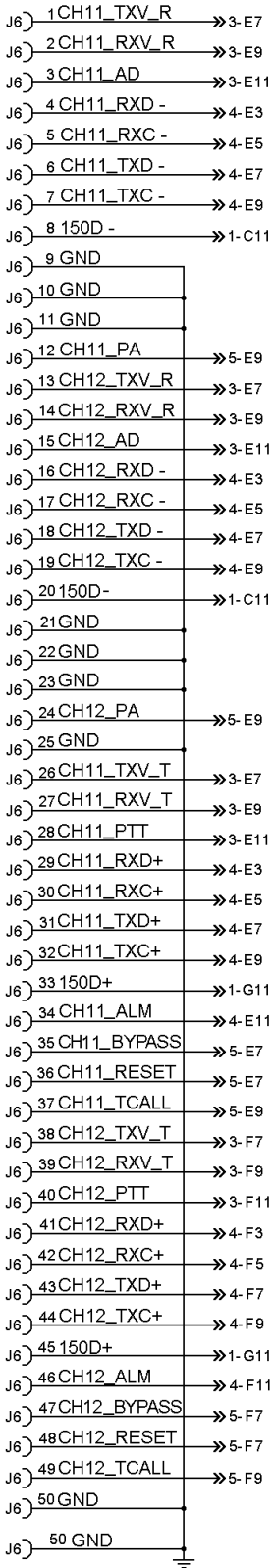
PRIMARY SIDE

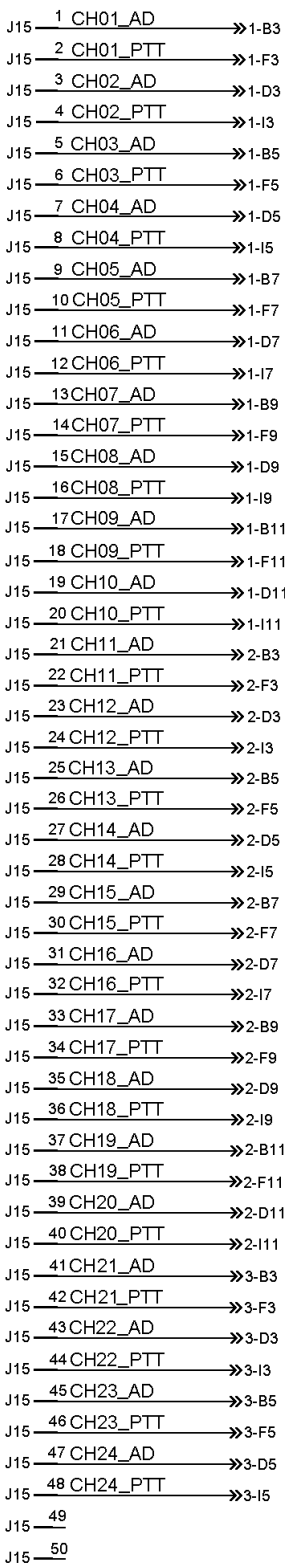
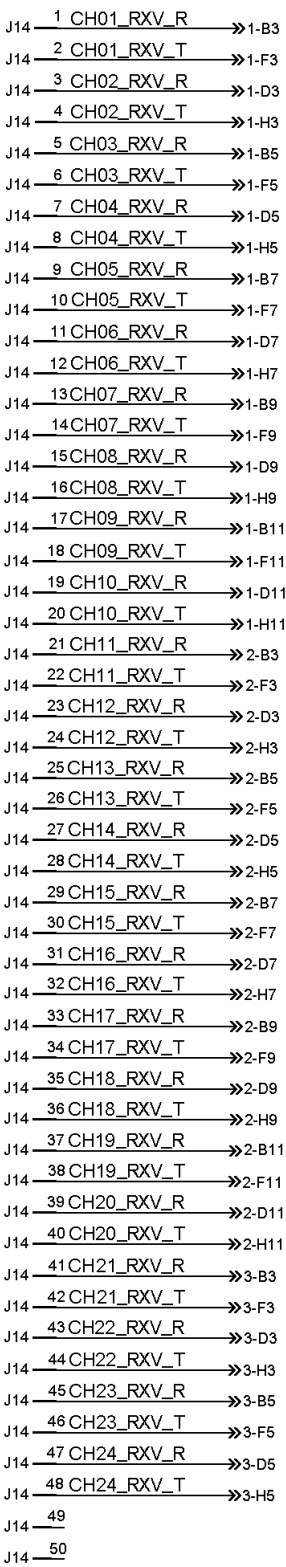
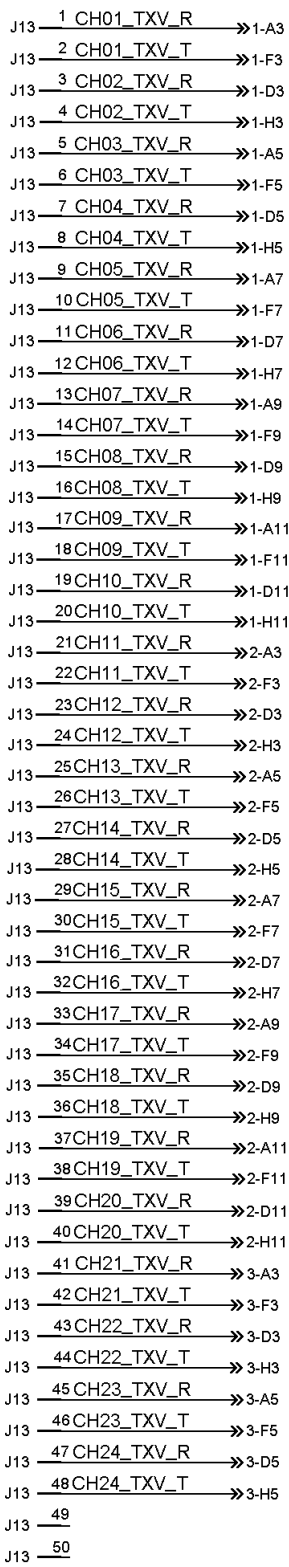
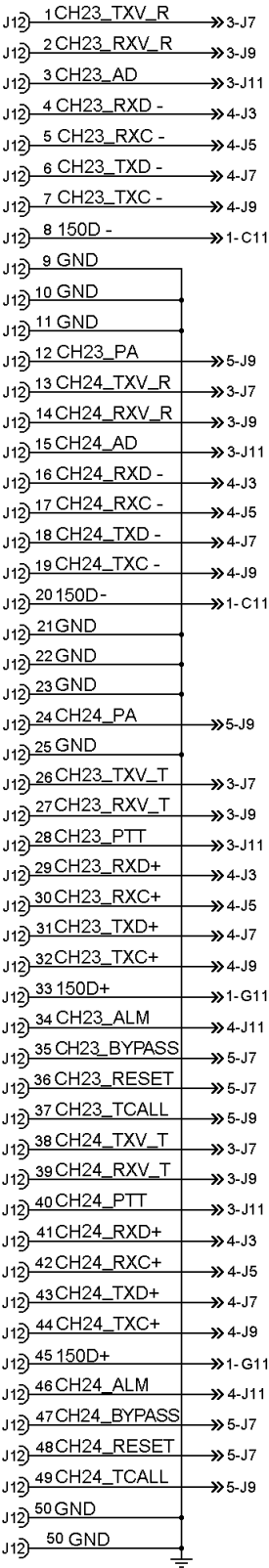
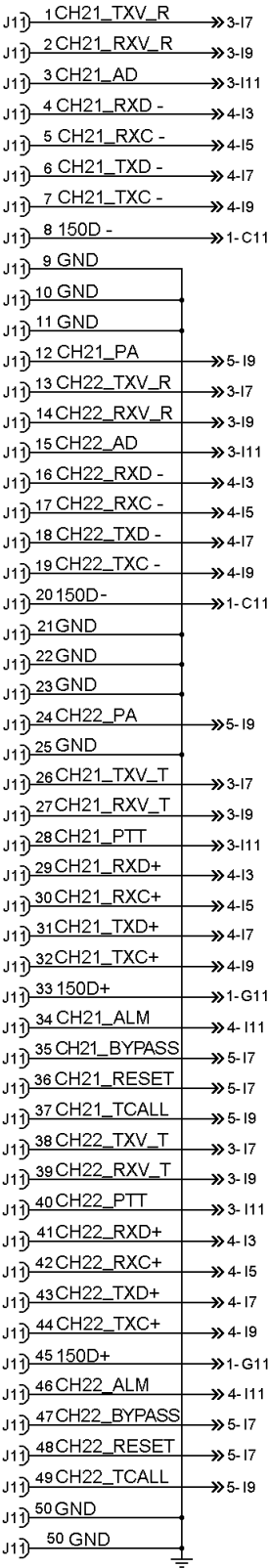


SECONDARY SIDE



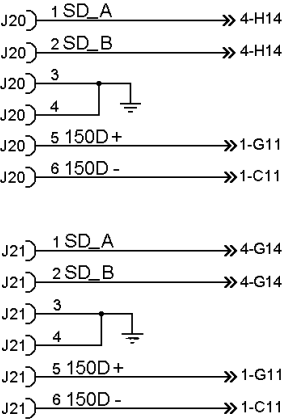
(1911 ROA 117 2254, Sh. 1, Rev. A)

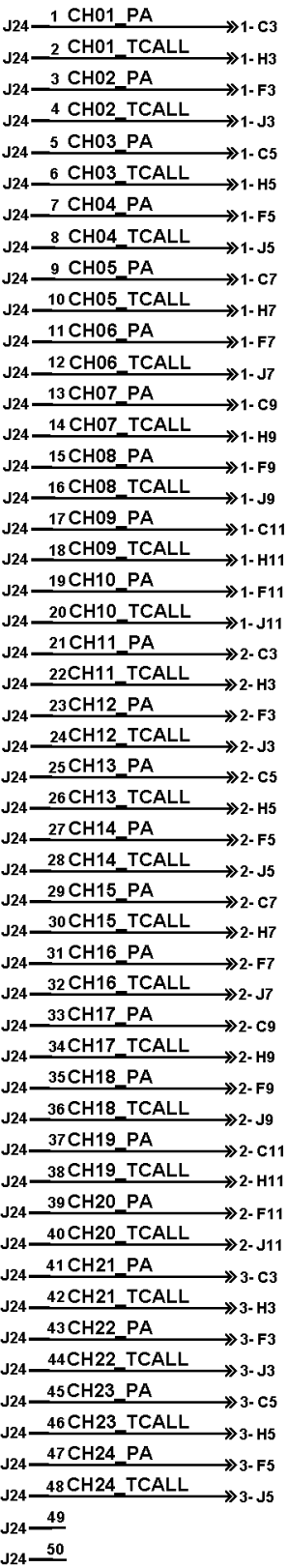
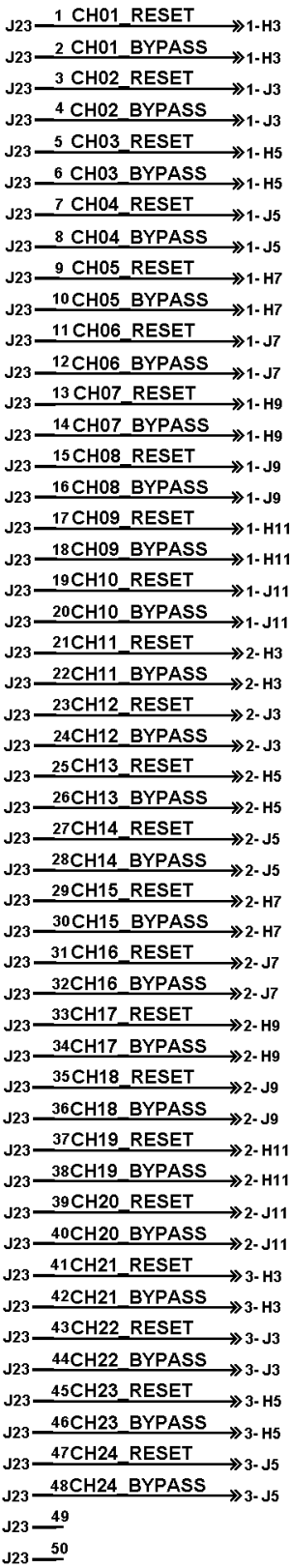




SCHEMATIC DIAGRAM

(1911 ROA 117 2254, Sh. 3, Rev. A)





SCHEMATIC DIAGRAM

(1911 ROA 117 2254, Sh. 5, Rev. A)

