## MAINTENANCE MANUAL

# STATION CROSS CONNECT PANEL ROA 117 2254

# 

## **SPECIFICATIONS**

#### CONNECTORS:

Primary Side of Panel Twelve 50-Pin Connectors (*J1-J12*) and one Telephone Connector (*J21*)

Secondary Side of Panel Ten 50-Pin Connectors (J13-J19 and J22-J24) and

one Telephone Connector (J20)

MOUNTING Frame Assembly 19D903881P2 (Reference Only)



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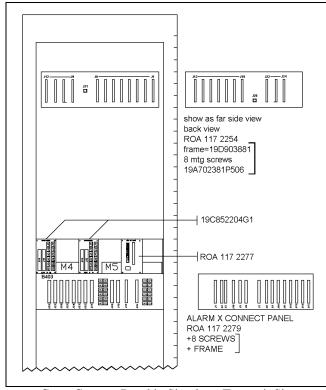
### **DESCRIPTION**

Station Cross Connect Panel *ROA 117 2254* is used to provide a connectorized interface to the MASTR III<sup>®</sup> 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 <u>transmit low speed data</u> (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).



Cross Connect Panel in Simulcast Transmit Site Equipment Cabinet

#### PARTS LIST

#### STATION CROSS CONNECT PANEL ROA 117 2254

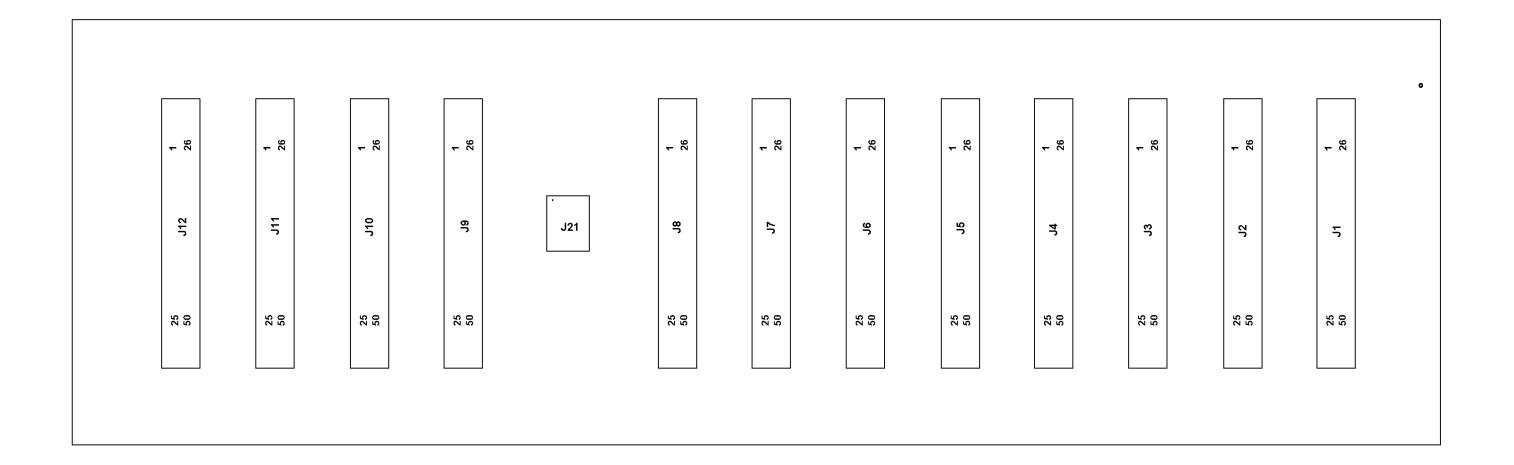
	SYMBOL	PART NO.	DESCRIPTION
			CONNECTORS
	J01 thru J12	19B800935P12 (RVN 403 845/050)	50-Pin
		19B800935P16 (NTM 201 1083/1)	Latch
	J13-J19 and J22-J24	RPV 403 148/050	50-Pin Header
		RPV 403 143/901	Latch
	J20 and J21	RNV 403 04/6	Telephone modular jack, PC-mounting and top entry with 6 positions and 6 contactsMISCELLANEOUS-
١		19D903881P2	Frame Assembly

#### **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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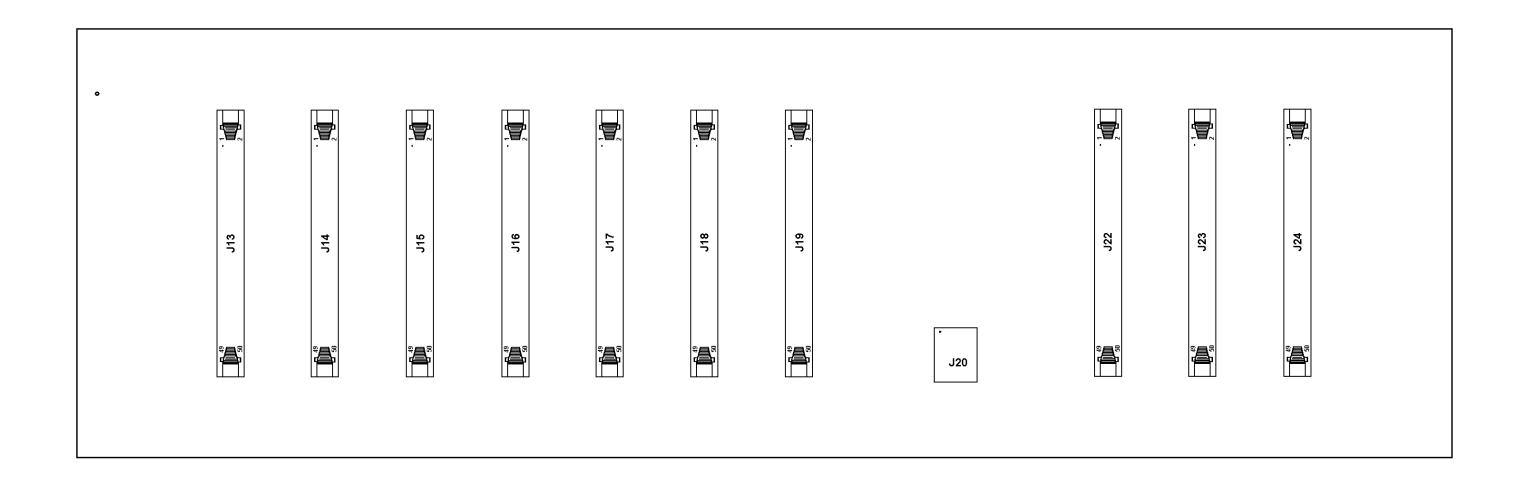


PRIMARY SIDE

**OUTLINE DIAGRAM** 

(1078 ROA 117 2254, Sh. 1 Rev. P1A)

OUTLINE DIAGRAM AE/LZB 119 1873 R1A



SECONDARY SIDE

**OUTLINE DIAGRAM** 

(1078 ROA 117 2254, Sh. 2, Rev. P1A)

1.0   1.0													
2005_000_0000_0000_0000_0000_0000_0000_		1CH01_TXV_R	<b>&gt;&gt;3-</b> ∆7 .1	27_1CH03_TXV_R	>> 3- R7	1CH05_TXV_R	<b>→&gt;&gt; 3</b> -C7	.I47_1CH07_TXV_R	<b>→&gt;&gt;</b> 3-D7	J5 \ 1CH09_TXV_R	<b>-&gt;&gt;</b> 3-D7		
1001-06	·	2 CH01_RXV_R		2 <u>2 2 CH03_RXV_R</u>	3 B0	2 CH05_RXV_R		2CH07_RXV_R	>> 3. DQ	2 CH09_RXV_R			
1) 1-1001_FROP_ = 1-22		3 CH01_AD		2) 3) 3 CH03_AD	₩3-B9	13 <u>3 CH05_AD</u>		147 <u>3 CH07_AD</u>		15 \( \frac{3 \text{ CH09_AD}}{16} \)			
1		4 CH01_RXD -		2) 4 CH03_RXD -	3-B11	13 <u>4 CH05_RXD -</u>		14 <u>4 CH07_RXD -</u>	—>> 4- D3	<sub>15</sub> \ 4 CH09_RXD -			
1) 1.0001.700.	•	5 CH01_RXC -		5 CH03_RXC -	77 4- B3	5 CH05_RXC -		5 CH07_RXC -	<b>33</b> 4-D5	, 5 CH09_RXC -			
1   1   1   1   1   1   1   1   1   1	•	6 CH01 TXD -	→>> 4- A5 J	-> 6 CH03 TXD -	→> 4- B5	6 CH05_TXD -		6 CH07_TXD -	→> 4-D5	6 CH09_TXD -			
1,000	•	7 CH01 TXC -	— <b>&gt;&gt;</b> 4- A/ J	-> 7 CH03 TXC -	→ <b>&gt;</b> 4- B/	7 CH05_TXC -		7 CH07_TXC -	→ <b>&gt;</b> 4-D/	> 7 CH09_TXC -			
10   10   10   10   10   10   10   10	•	11) · · · · · · · · · · · · · · · · · ·	— <b>≫</b> 4- A9 J	2) · · · · · · · · · · · · · · · · · · ·	── <b>&gt;&gt;</b> 4- B9	J3)		34) - 8 150D -	→ <b>&gt;</b> 4- D9	0.4500			
1)   10   10   10   10   10   10   10	•	11) 0 100D	— <b>≫</b> 1-C11 J	2) 9 100D	— <b>≫</b> 1-C11	J3) 4 FOUD	— <b>≫</b> 1-C11	J4 ) 4 .995	→ <b>&gt;</b> 1-C11	J5)	→»1-C3 1-C9 1-E5 2-C11 1-C5 1-E11 1-E7 2-C3	2-C/ 2-C9 2-E11	
1)	•	11 ) 9 CND	J	2) 9 CND		10 GND		J4) 0 GND			1-07 1-20 1-20 2-00	2- <u>E3</u> 2- <u>E5</u>	
1)	•	11) 10 GND	J	2) 10 GND		J3) 10 CND		J4) 10 GND		J5 ) 10 GND		2-E9 3-C3	
1)	•	11) 11 CHO1 PA	J	2) 12 CH03 PA		J3) 11 CH05 PA		J4) 12 CH07 PA		J5) 12 CH09 PA		3-C5 3-E3	
1)		11) 12 CHO1_1 A	<b>→&gt;</b> 5- A9 J	2) 12 CH04 TXV P	— <b>≫</b> 5- B9	J3 ) 12 CH06 TXV R		J4) 12 CH08 TX\/ R	→ <b>&gt;</b> 5-D9	J5) 12 CH10 TXV/ R		3-E5 4-H14 4-I14	
19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	•	11) 13 CH02_TXV_R	<b>→&gt;&gt;</b> 3- B7 J	2) 13 CHO4_TXV_R	<b>──≫</b> 3- B7	J3 ) 13 CH06 RXV R		J4) 14 CH08 RXV R	<b>→&gt;&gt;</b> 3- D7	J5) 13 CH10 RXV R			
1)   165702-6002   19-143   1)   165706-6002   19-143		11) 14 CH02_RXV_R	<b>→&gt;&gt;</b> 3- B9 J	2) 14 CH04_RXV_R	— <b>≫</b> 3- B9	J3) 14 CH06 AD		J4) 14 CH08_100_100	<b>→&gt;&gt;</b> 3- D9	J5) 14 CH10_KXV_K			
1)   15   15   15   15   15   15   15	,	11) 19 CH02_AD	<b>─≫</b> 3- B11 J	2) 15 CHO4_AD	— <b>≫</b> 3- B11	J3) 15 CHO6_AD		J4) 19 CHOO_AD	<b>→&gt;&gt;</b> 3- D11	J5) 13 CH10_AD			
1)   15   15   17   17   18   18   18   18   18   18	,	11) 18 CH02_RXD -	<b>─&gt;&gt;</b> 4- B3 J	2) 18 CHO4_RXD -	— <b>≫</b> 4- B3	J3) 18 CH06 RXC		J4) 18 CH08_RXC	<b>→&gt;&gt;</b> 4- D3	J5) 10 CH10_RXC			
1	,	11) 17 CH02_RXC -	<b>─&gt;&gt;</b> 4- B5 J	2) 17 CHO4_KXC -	— <b>≫</b> 4- B5	J3) 17 CH06_TXD		J4) 17 CH00_TXC -	<b>→&gt;&gt;</b> 4- D5	J5) 17 CH10_TXC -			
1) 3/1902	•	11) 18 CH02_TXD -	<b>→&gt;&gt;</b> 4- B7 J	2) 18 CH04_TXD -	<b>──≫</b> 4- B7	J3) 18 CH06_TXD -		J4) 18 CH08_TXC -	<b>→&gt;&gt;</b> 4- D7	J5) 18 CH10_TXD -			
1) 26H0	•	11) 19 C1 102_1 XC -	<b>→&gt;&gt;</b> 4- B9 J	2) 19 01 10 4_1 1 0 -	— <b>≫</b> 4- B9	J3) 19 OF 100_17.0 -		J4) 19 C1 100_1 X C -	→ <b>&gt;</b> 4- D9	J5) 19 OTTTO _ TXO -			
1) 32 GHD	•	11) 20 150D-	<b>→&gt;</b> 1-C11 J	2) 20 150D- 2) 21 GND	— <b>≫</b> 1-C11	J3) 20 (SUD	<b>──≫</b> 1-C11	J4) 20 130D	<b>→&gt;</b> 1-C11	J5) 20 (SUD)	<b>→&gt;&gt;</b> 1-C11		
1) 326HD	,	11) 21GND	J	2) 21GND		J3) 21GND		J4) 21GND		J5) 21GND			
1) 36/190	•	11) 22 GND	J	2) 22 GND		J3) 22 GND		J4) 22 GND		J5) 22 GND			
1) 36 SND	•	11) 23 CHO2 PA	J	2) 23 CHOA PA		J3) 23 CH06 PA		J4) 23 CH08 PA		J5 ) 24 CH10 PA			
1) 3CH0LTXV.T	•	11) 24 O 1 1 O 2	<b>→&gt;</b> 5- B9 J	2) 24 GND	<b>→&gt;</b> 5- B9	J3 ) 24 GND	<b>→&gt;</b> 5-C9	J4) 24 GND	→ <b>&gt;</b> 5- D9	J5 ) 24 GND	→ <b>&gt;</b> 5-E9		
1) 3PCH01_RRV_T	•	11) 25 CH01 TXV T	J	2) 25 CH03 TXV T		J3 ) 26 CH05 TXV T		J4) 26 CH07 TXV T		J5 ) 26 CH09 TXV T			
1.) 3CH01_PTT	•	11) 27 CH01 RXV T	— <b>≫</b> 3-B7 J	2) 27 CH03 RXV T	— <b>≫</b> 3-B7	27CH05 RXV T		J4) 27 CH07 RXV T	→ <b>&gt;</b> 3-D7	J5 ) 27 CH09 RXV T			
J.) 39CH01_RXD+	•	11) 27 CH01_FUT	<b>&gt;&gt;</b> 3-B9 J	2) 27 CH03_RTT	— <b>≫</b> 3-B9	J3) 28 CH05_PTT		J4) 28 CH07 PTT	→ <b>&gt;</b> 3-D9	J5) 28 CH09 PTT			
1) 30CH01_RXC+	•	11) 20 CH01_RXD+	— <b>≫</b> 3-B11 J	2) 29 CH03 RXD+	— <b>≫</b> 3-B11	29 CH05_RXD+		J4) 29 CH07 RXD+	→>> 3-D11	J5) 29 CH09 RXD+			
173   31CH0   TXCH	,	11) 29 CH01_RXC+	<b>→&gt;&gt;</b> 4- B3 J	2) 29 CH03_RXC+	— <b>≫</b> 4- B3	30 CH05_RXC+		J4) 20 CH07 RXC+	→>> 4-D3	J5) 20 CH09 RXC+			
1732CH01_TXC+	•	11) 60 CH01_F0 (CH	→>> 4-B5 J	2) 31CH03_TXD+	→>> 4-B5	31CH05_TXD+		J4 31 CH07 TXD+	→>> 4-D5	J5) 31 CH09 TXD+			
J_ 331500+	•	32CH01_TXC+	— <b>≫</b> 4-B/ J	2) 32CH03_TXC+	— <b>≫</b> 4-B/	> 32CH05_TXC+		J4 32 CH07 TXC+	→ <b>&gt;</b> 4-D7	> 32CH09_TXC+			
J1) 34 CH01_ALM	•	33 150D+	—≫4-B9 J	2) 33 150D+	→>> 4-B9	33 150D+		J4 J 33 150D+	→ <b>&gt;</b> 4-D9	J5 33 150D+		1 2-67	
3 SCHOL BYPASS   3-5 SCHOL BYPAS	•	1) 00 100D1 5 34 CH01 ALM	— <b>≫</b> 1-G11 J:	2) 34 CH03 ALM	— <b>≫</b> 1-G11	34 CH05 ALM		34 CH07 ALM	→ <b>&gt;</b> 1-G11	J5 ) 34 CH09 ALM	→ 1-G5 1-J11 1-J7 2-G3 1-G7 1-J3 1-J9 2-G5	' 2-G9 2-J11	
13   39   CHO   12   12   39   CHO   12	•	35 CH01 BYPASS	— <b>≫</b> 4- B11 J:	2) 35 CH03 BYPASS	— <b>≫</b> 4- B11	35 CH05 BYPASS		35 CH07 BYPASS	→ <b>&gt;</b> 4- D11	35 CH09 BYPASS		2-J3 2-J5 2-J7	
13   39   CHO   12   12   39   CHO   12	•	1) 36 CH01 RESET		-> 36 CH03_RESET		36 CH05 RESET		36 CH07 RESET	→ <b>&gt;</b> 5- D7	> 36 CH09 RESET		2-J9 3-G2	
13   39   CHO   12   12   39   CHO   12	•	1) 37 CH01 TCALL		-> 37 CH03_TCALL	— <b>≫</b> 5- B7	37 CH05 TCALL		37 CH07 TCALL	→ <b>&gt;</b> 5- D7	> 37 CH09 TCALL		3-J3 3-J5	_
11   39 CH02 RXV T   33 B8	•	1) 38 CH02 TXV T	— <b>&gt;&gt;</b> 5- B9 J;	-> 38 CH04 TXV T	— <b>≫</b> 5- B9	38 CH06 TXV T		38 CH08 TXV T	→ <b>&gt;</b> 5- D9	> 38 CH10 TXV T		4-G14 4-I14	
J1) 40CH02_PTT	•	39 CH02 RXV T	— <b>&gt;&gt;</b> 3- B7 J;	2) 39 CH04 RXV T	—≫3-C/	39 CH06_RXV_T		39 CH08_RXV_T	→ <b>&gt;</b> 3-D7	39 CH10_RXV_T			
J1) 41CH02_RXD+	•	1) 40 CH02 PTT	— <b>≫</b> 3- B9 J:	-> 40 CH04 PTT	— <b>≫</b> 3-C9	40 CH06 PTT		40 CH08 PTT	→ <b>&gt;</b> 3- D9	> 40 CH10 PTT			$\odot$
11) 42CH02_RXC+	•	1) 41CH02 RXD+	— <b>≫</b> 3- B11	2) 41CH04 RXD+	— <b>≫</b> 3-C11	> 41CH06_RXD+		41CH08 RXD+	→ <b>&gt;</b> 3-D11	> 41CH10_RXD+			<b>O</b>
J1 43 CH02_TXD+	•	5 42 CH02 RXC+	— <b>≫</b> 4- B3 J:	2) 42CH04_RXC+		42 CH06 RXC+		J4) 42CH08 RXC+	→ <b>&gt;</b> 4- D3	J5) 42 CH10 RXC+			
J1 44 CH02_TXC+	•	1) 42 CH02_TXD+	— <b>≫</b> 4- B5 J:	2) 42 CH04_TXD+		J3) -2 CH06 TXD+		J4) 12 CH08_TXD+	→ <b>&gt;&gt;</b> 4-D5	J5)			Ť
J1) 45 150D+	•	1) 43 CH02_TXC+	— <b>≫</b> 4- B7 J:	2) 44 CH04_TXC+	→ <b>&gt;&gt;</b> 4-C7	13) 40 CH06 TXC+		J4) 44 CH08 TXC+	→ <b>&gt;</b> 4-D7	J5) 40 CH10 TXC+			
J1) 46CH02_ALM     34 B11     J2) 46CH04_ALM     34 CH06_ALM     34 CH06_BYPASS     35 46CH06_ALM     34 D11     35 47 CH06_BYPASS     35 50 CH     35 47 CH10_BYPASS     35 50 CH     35 47 CH10_BYPASS     35 50 CH     35 48 CH06_ALM     35 48 CH06_ALM     35 47 CH10_BYPASS     35 50 CH     35 48 CH06_ALM     35 47 CH10_BYPASS     35 50 CH     35 48 CH06_ALM     35 48 CH06_BYPASS     35 50 CH     35 48 CH06_ALM     35 48 CH06_BYPASS     35 50 CH	•	1) 45 150D+	— <b>≫</b> 4- B9 J:	2) 45 150D+	<b>→&gt;&gt;</b> 4-C9	J3) + + + + + + + + + + + + + + + + + + +		J4) 45 150D+	<b>→&gt;&gt;</b> 4-D9	J5) + 150D+			
J1) 47CH02_BYPASS     >5-B7     J2) 47CH04_BYPASS     >5-C7     J3) 47CH06_BYPASS     >5-C7     J4) 47CH08_BYPASS     >5-D7     J5) 47CH10_BYPASS     >5-E7       J1) 49CH02_RESET     >5-B7     J2) 49CH04_RESET     >5-C7     J3) 48CH06_RESET     >5-C7     J4) 49CH08_RESET     >5-D7     J5) 48CH10_RESET     >5-E7       J1) 49CH02_TCALL     >5-B9     J2) 49CH04_TCALL     >5-C9     J3) 49CH06_TCALL     >5-C9     J4) 49CH08_TCALL     >5-D9     J5) 49CH10_TCALL     >5-E9       J1) 50 GND     J2) 50 GND     J3) 50 GND     J4) 50 GND     J5) 50 GND     J5) 50 GND	•	1) 46 CH02 ALM	→>> 1- G11 J:	2)46 CH04 ALM	→>>1-G11	46 CH06 ALM		J4) 16 (CH08 ALM	→>> 1- G11	J5) 1000 . 3 46 CH10 ALM			
J1) 48CH02_RESET     >5-B7     J2) 48CH04_RESET     >5-C7     J3) 48CH06_RESET     >5-C7     J4) 48CH08_RESET     >5-D7     J5) 48CH10_RESET     >5-E7       J1) 49CH02_TCALL     >5-B9     J2) 49CH04_TCALL     >5-C9     J3) 49CH06_TCALL     >5-C9     J4) 49CH08_TCALL     >5-D9     J5) 49CH10_TCALL     >5-E9       J1) 50 GND     J2) 50 GND     J3) 50 GND     J4) 50 GND     J5) 50 GND     J5) 50 GND		1) 47 CH02 BYPASS	→ <b>3</b> 4- B11 J:	2) 47 CH04 RYPASS	→>> 4-C11	> 47 CH06 BYPASS		J4) 47CH08 BYPASS	→>> 4-D11	J5 J 47 CH10 BYPASS			
J1) 49 CH02_TCALL		1) 47 CHO2_BH ASS	— <b>&gt;&gt;</b> 5- B7 J;	2) 48CH04 RESET	<b>→&gt;&gt;</b> 5- C7	13) 48 CH06 RESET		J4) 47 CH08 RESET	→ <b>&gt;&gt;</b> 5- D7	J5 J 48 CH10 RESET			
J1) 50 GND	•	1) 49 CH02 TCALL	— <b>≫</b> 5- B7 J:	2 49 CHO4 TCALL		3 49 CH06 TCALL		J4) 49 CH08 TCALL	<b>─≫</b> 5-D7	J5 49 CH10 TCALL			
13 50 GND 13 50 GND 13 50 GND 15 50 GND		1) +301102_10ALL	— <b>≫</b> 5- B9 J:	2) +3 O I I I I I I I I I I I I I I I I I I	→>> 5-C9	13) 40 CHOO_HOALL	<b>→&gt;</b> 5-C9	J4) -50 GND	→>> 5- D9	J5) -30(ND	→> 5-E9		
$J_1) \xrightarrow{50 \text{ GND}} \underbrace{\downarrow} \qquad \qquad J_2) \xrightarrow{50 \text{ GND}} \underbrace{\downarrow} \qquad \qquad J_3) \xrightarrow{50 \text{ GND}} \underbrace{\downarrow} \qquad \qquad J_4) \xrightarrow{50 \text{ GND}} \underbrace{\downarrow} \qquad \qquad J_5) \xrightarrow{50 \text{ GND}} \underbrace{\downarrow} \qquad J_5} \xrightarrow{\downarrow} \xrightarrow{\downarrow} \qquad J_5) \xrightarrow{\downarrow} \xrightarrow{\downarrow} \qquad J_5} \underbrace{\downarrow} \qquad J_5) \xrightarrow{\downarrow} \xrightarrow{\downarrow} \qquad J_5} \underbrace{\downarrow} \qquad J_5} \xrightarrow{\downarrow} \xrightarrow{\downarrow} \qquad J_5} \xrightarrow{\downarrow} \xrightarrow{\downarrow} \qquad J_5} \underbrace{\downarrow} \qquad J_5} \xrightarrow{\downarrow} \xrightarrow{\downarrow} \qquad J_5} \underbrace{\downarrow} \qquad J_5} \xrightarrow{\downarrow} \xrightarrow{\downarrow} \qquad J_5} \underbrace{\downarrow} \qquad J_5} \xrightarrow{\downarrow} \xrightarrow{\downarrow} \qquad J_5} \xrightarrow{\downarrow} \xrightarrow{\downarrow} \qquad J_5} \underbrace{\downarrow} \qquad J_5} \underbrace{\downarrow} \qquad J_5} \xrightarrow{\downarrow} \qquad J_5} \underbrace{\downarrow} \qquad J_5} \xrightarrow{\downarrow} \qquad J_5} \underbrace{\downarrow} \qquad J_5} $		1)						J4) 33 G(ND		J5) 55 GIND			
		1) 50 GND	J:	2) 50 GND	_	J3) 50 GND	=	J4) 50 GND		J5) 50 GND			
		=		₹	•	=	-	₹		₹			

# SCHEMATIC DIAGRAM

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

SCHEMATIC DIAGRAM AE/LZB 119 1873 R1A

J6) 2 CH11 RXV R	(V_R → 3-H7
J6 3 CH11_RXD	<u>⟨V_R</u> →3-H9
J6) 4 CH11_RXD -	) →>> 3-H11
J6 5 CH11_RXC -	<u>(D -</u> →> 4-H3
J6 6 CH11_TXD	XC - →>> 4-H5
J6 7 CH11_TXC -	<b>(D - →&gt;&gt; 4-</b> H7
J6       8 150D -       N1-C11       J7       8 150D -       N1-C11       J9       8 150D -       N1-C11       J0       8 150D -       N1-C11       J9       8 150D -       N1-C11       J0       8 150D -       N1-C11       J9       9 GND       J10       10 GND       J10       10 GND       J10       10 GND       J10       11 GND       J10       J10       11 GND       J10       J10       J10       J10       J10       J10       J10       J10       J11 GND       J10	<b>(C - →</b> 4-H9
J6 9 GND         J7 9 GND         J8 9 GND         J9 9 GND         J9 9 GND         J10 9 GND           J6 10 GND         J7 10 GND         J8 10 GND         J9 10 GND         J9 10 GND         J10 10 GND           J6 11 GND         J7 11 GND         J8 11 GND         J9 11 GND         J9 11 GND         J10 11 GND           J6 12 CH11 PA         >5-E9         J7 12 CH13 PA         >5-F9         J8 12 CH15 PA         >5-G9         J9 12 CH17 PA         >6-G9         J10 12 CH19 PA           J6 13 CH12 TXV_R         >3-E7         J7 13 CH14 TXV_R         >3-F7         J8 13 CH16 TXV_R         >3-G7         J9 13 CH18 TXV_R         >3-H7         J10 13 CH20 TX           J6 14 CH12 RXV_R         >3-E9         J7 14 CH14 RXV_R         >3-F9         J8 14 CH16 RXV_R         >3-G9         J9 14 CH18 RXV_R         >3-H9         J10 14 CH20 RX           J6 15 CH12 AD         >3-E11         J7 15 CH14 AD         >3-F11         J8 15 CH16 AD         >3-G11         J9 15 CH18 AD         >3-H11         J10 15 CH20 AI           J6 16 CH12 RXD -         >4-E3         J7 16 CH14 RXC -         >4-F3         J8 16 CH16 RXC -         >4-G3         J9 16 CH18 RXC -         >4-H3         J10 16 CH20 RX           J6 17 CH12 RXC -         >4-E5         J7 17 CH14 RXC -         >4-F5	<b>&gt;&gt;&gt;</b> 1-C11
J6 10 GND J7 10 GND J8 10 GND J9 10 GND J9 11 GND J10 J10 GND J10 J11 GND J10 GND J10 J11 GND J10	
J6) 11 GND         J7) 11 GND         J8) 11 GND         J9) 11 GND         J9) 11 GND         J10) 11 GND           J6) 12 CH11_PA         ***5-E9         J7) 12 CH13_PA         ***5-F9         J8) 12 CH15_PA         ***5-G9         J9) 12 CH17_PA         ***5-G9         J10) 12 CH19_P/           J6) 13 CH12_TXV_R         ***3-E7         J7) 13 CH14_TXV_R         ***3-F7         J8) 13 CH16_TXV_R         ***3-G7         J9) 13 CH18_TXV_R         ***3-H7         J10) 13 CH20_TX           J6) 14 CH12_RXV_R         ***3-E9         J7) 14 CH14_RXV_R         ***3-F9         J8) 14 CH16_RXV_R         ***3-G9         J9) 14 CH18_RXV_R         ***3-H9         J10) 14 CH20_RX           J6) 15 CH12_AD         ***3-E11         J7) 15 CH14_AD         ***3-F11         J8) 15 CH16_AD         ***3-G11         J9) 15 CH18_AD         ***3-H11         J10) 15 CH20_AX           J6) 16 CH12_RXD_         ***4-E3         J7) 16 CH14_RXD_         ***4-F3         J8) 16 CH16_RXD_         ***4-G3         J9) 16 CH18_RXD_         ***4-H3         J10) 16 CH20_RX           J6) 17 CH12_RXC_         ***4-E5         J7) 17 CH14_RXC_         ***4-F5         J8) 18 CH16_TXD_         ***4-G5         J9) 18 CH18_TXD_         ***4-H7         J10) 18 CH20_TX           J6) 18 CH12_TXC_         ***4-E9         J8) 19 CH16_TXC_         ***4-G9	
J6) 12 CH11_PA         >5-E9         J7) 12 CH13_PA         >5-F9         J8) 12 CH15_PA         >5-G9         J9) 12 CH17_PA         >5-G9         J10) 12 CH19_P/M           J6) 13 CH12_TXV_R         >3-E7         J7) 13 CH14_TXV_R         >3-F7         J8) 13 CH16_TXV_R         >3-G7         J9) 13 CH18_TXV_R         >3-H7         J10) 13 CH20_TX/M           J6) 14 CH12_RXV_R         >3-E9         J7) 14 CH14_RXV_R         >3-F9         J8) 14 CH16_RXV_R         >3-G9         J9) 14 CH18_RXV_R         >3-H9         J10) 14 CH20_RX/M           J6) 15 CH12_AD         >3-E11         J7) 15 CH14_AD         >3-F11         J8) 15 CH16_AD         >3-G11         J9) 15 CH18_AD         >3-H11         J10) 15 CH20_AX/M           J6) 16 CH12_RXD_         >4-E3         J7) 17 CH14_RXC_         >4-F3         J8) 16 CH16_RXD_         >4-G3         J9) 16 CH18_RXC_         >4-H3         J10) 16 CH20_RX/M           J6) 17 CH12_RXC_         >4-E5         J7) 17 CH14_RXC_         >4-F5         J8) 17 CH16_RXC_         >4-G5         J9) 17 CH18_RXC_         >4-H6         J10) 17 CH20_RX/M           J6) 18 CH12_TXC_         >4-E7         J7) 18 CH14_TXC_         >4-F7         J8) 18 CH16_TXC_         >4-G7         J9) 18 CH18_TXC_         >4-H6         J10) 18 CH20_TX/M           J6) 20 150D_         >1-C11	
J6) 14CH12_RXV_R     >>3-E9     J7) 14CH14_RXV_R     >>3-F9     J8) 14CH16_RXV_R     >>3-G9     J9) 14CH18_RXV_R     >>3-H9     J10) 14CH20_RY       J6) 15 CH12_AD     >>3-E11     J7) 15 CH14_AD     >>3-F11     J8) 15 CH16_AD     >>3-G11     J9) 15 CH18_AD     >>3-H11     J10) 15 CH20_AI       J6) 16 CH12_RXD -     >>4-E3     J7) 16 CH14_RXD -     >>4-F3     J8) 16 CH16_RXD -     >>4-G3     J9) 16 CH18_RXD -     >>4-H3     J10) 16 CH20_RY       J6) 17 CH12_RXC -     >>4-E5     J7) 17 CH14_RXC -     >>4-F5     J8) 17 CH16_RXC -     >>4-G5     J9) 17 CH18_RXC -     >>4-H6     J10) 17 CH20_RY       J6) 18 CH12_TXD -     >>4-E7     J7) 18 CH14_TXD -     >>4-F7     J8) 18 CH16_TXD -     >>4-G7     J9) 18 CH18_TXD -     >>4-H7     J10) 18 CH20_TY       J6) 19 CH12_TXC -     >>4-E9     J7) 19 CH14_TXC -     >>4-F9     J8) 19 CH16_TXC -     >>4-G9     J9) 19 CH18_TXC -     >>4-H9     J10) 19 CH20_TY       J6) 20150D -     >>1-C11     J7) 21GND     J8) 21GND     J8) 21GND     J9) 21GND     J10) 21GND	<sup>4</sup> → 5-H9
J6) 15 CH12_AD     >3-E11     J7) 15 CH14_AD     >3-F11     J8) 15 CH16_AD     >3-G11     J9) 15 CH18_AD     >3-H11     J10) 15 CH20_AI       J6) 16 CH12_RXD -     >4-E3     J7) 16 CH14_RXD -     >4-F3     J8) 16 CH16_RXD -     >4-G3     J9) 16 CH18_RXD -     >4-H3     J10) 16 CH20_RX       J6) 17 CH12_RXC -     >4-E5     J7) 17 CH14_RXC -     >4-F5     J8) 17 CH16_RXC -     >4-G5     J9) 17 CH18_RXC -     >4-H5     J10) 17 CH20_RX       J6) 18 CH12_TXD -     >4-E7     J7) 18 CH14_TXD -     >4-F7     J8) 18 CH16_TXD -     >4-G7     J9) 18 CH18_TXD -     >4-H7     J10) 18 CH20_TX       J6) 19 CH12_TXC -     >4-E9     J7) 19 CH14_TXC -     >4-F9     J8) 19 CH16_TXC -     >4-G9     J9) 19 CH18_TXC -     >4-H9     J10) 19 CH20_TX       J6) 20 150D -     >1-C11     J7) 21 GND     J8) 21 GND     J8) 21 GND     J9) 21 GND     J9) 21 GND     J10) 21 GND	(V_R → 3-H7
J6) 16 CH12_RXD -     34-E3     J7) 16 CH14_RXD -     34-F3     J8) 16 CH16_RXD -     34-G3     J9) 16 CH18_RXD -     34-H3     J10) 16 CH20_RX       J6) 17 CH12_RXC -     34-E5     J7) 17 CH14_RXC -     34-F5     J8) 17 CH16_RXC -     34-G5     J9) 17 CH18_RXC -     34-H5     J10) 17 CH20_RX       J6) 18 CH12_TXD -     34-E7     J7) 18 CH14_TXD -     34-F7     J8) 18 CH16_TXD -     34-G7     J9) 18 CH18_TXD -     34-H7     J10) 18 CH20_TX       J6) 19 CH12_TXC -     34-E9     J7) 19 CH14_TXC -     34-F9     J8) 19 CH16_TXC -     34-G9     J9) 19 CH18_TXC -     34-H9     J10) 19 CH20_TX       J6) 20 150D -     31-C11     J7) 20 150D -     31-C11     J8) 20 150D -     31-C11     J9) 20 150D -     31-C11     J10) 21 GND	<u>⟨V_R</u> → 3-H9
J6) 17 CH12_RXC -     34-E5     J7) 17 CH14_RXC -     34-F5     J8) 17 CH16_RXC -     34-G5     J9) 17 CH18_RXC -     34-H5     J10) 17 CH20_RX       J6) 18 CH12_TXD -     34-E7     J7) 18 CH14_TXD -     34-F7     J8) 18 CH16_TXD -     34-G7     J9) 18 CH18_TXD -     34-H7     34-H7 <td><b>&gt;&gt; 3-H11</b></td>	<b>&gt;&gt; 3-H11</b>
J6) 18 CH12_TXD -     34-E7     J7) 18 CH14_TXD -     34-F7     J8) 18 CH16_TXD -     34-G7     J9) 18 CH18_TXD -     34-H7     J10) 18 CH20_TX       J6) 19 CH12_TXC -     34-E9     J7) 19 CH14_TXC -     34-F9     J8) 19 CH16_TXC -     34-G9     J9) 19 CH18_TXC -     34-H9     J10) 19 CH20_TX       J6) 20 150D -     31-C11     J7) 20 150D -     31-C11     J8) 20 150D -     31-C11     J9) 20 150D -     31-C11     J10) 20 150D -       J6) 21 GND     J7) 21 GND     J8) 21 GND     J8) 21 GND     J9) 21 GND     J10) 21 GND	<u>KD -</u> → 4- H3
J6) 19 CH12_TXC -     34-E9     J7) 19 CH14_TXC -     34-F9     J8) 19 CH16_TXC -     34-G9     J9) 19 CH18_TXC -     34-H9     J10) 19 CH20_TX       J6) 20 150D-     31-C11     J7) 20 150D-     31-C11     J8) 20 150D-     31-C11     J9) 20 150D-     31-C11     J10) 20 150D-       J6) 21GND     J7) 21GND     J8) 21GND     J9) 21GND     J9) 21GND     J10) 21GND	<u>(C -</u> → 4- H5
J6) 20 150D-	<u>(D -</u> → 4-H7
	<del>(C -                                   </del>
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	<b>&gt;&gt;</b> 1-C11
	<del></del>
J <sub>6</sub> ) 22GND J <sub>7</sub> ) 22GND J <sub>9</sub> ) 22GND J <sub>10</sub> ) 2	<del></del>
J <sub>6</sub> ) 23 GND J <sub>7</sub> ) 23 GND J <sub>8</sub> ) 23 GND J <sub>9</sub> ) 23 GND J <sub>10</sub> ) 24 CH14_PA J <sub>10</sub> ) 24 CH16_PA J <sub>10</sub> ) 24 CH20_P/	<del>.  </del>
J6) 24 CH12_PA	<del>`</del> →>5-H9
J6) 25 GND     J7) 25 GND     J8) 25 GND     J9) 25 GND     J0) 25 GND       J6) 26 CH11_TXV_T     N3-E7     J7) 26 CH13_TXV_T     N3-E7     N3-E7 <td>N T</td>	N T
77CH11 PVV T	×3-H7
- 20 CH11 PTT	<del>``</del> —' →> 3-H9
	**************************************
- 20 CH11 PYC+	×4-H3 ⟨C+ ×4-H5
J6) 31CH11_TXD+     31CH13_TXD+     31CH13_TXD+     31CH15_TXD+	*4-H5 *(D+ → 4-H7
16) 32CH11_TXC+	(C+ <b>3</b> 4-H)
J6) 33 150D+	≫1-G11
J6) 34 CH11_ALM	_M
36) 35 CH11_BYPASS 35 CH13_BYPASS 35 CH13_BYPASS 35 CH15_BYPASS 35 CH15_BYPASS 35 CH17_BYPASS 35 CH17_BYPASS 35 CH19_BY	PASS >> 5-H7
լց <u> 36 CH11_RESET</u> <u>» 5.</u> 67 <u>17 36 CH13_RESET</u> <u>» 5.67 μρ 36 CH19_RE</u>	SET >> 5-H7
<u>β 37 CH11_TCALL</u>	CALL >> 5-H9
> 38 CH12_TXV_T	(V_T >>> 3-17
J6 39 CH12_RXV_T 32 CH14_RXV_T 32 CH14_RXV_T 35 CH16_RXV_T	(V_T → 3-19
J6\\ 40CH12_PTT \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<del>□</del> → 3-111
J6 41CH12_RXD+	(D+ >> 4-13
16) 42CH12_RXC+	(C+ → 4-15
J6 43 CH12_TXD+	(D+ >> 4-17
J6 44 CH12_TXC+	(C+ >> 4-19
$_{16}$ ) $_{45}$ $_{150D+}$ $_{161}$ $_{17}$ ) $_{45}$ $_{150D+}$ $_{161}$ $_{18}$ ) $_{45}$ $_{150D+}$ $_{161}$ $_{19}$ ) $_{45}$ $_{150D+}$ $_{161}$ $_{10}$ ) $_{45}$ $_{150D+}$	<b>→&gt;</b> 1-G11
16\(\tau 46\CH12\tau ALM\) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	<u>-M</u> →> 4-111
IS 47 CH12_BYPASS S.F.7 I7 47 CH14_BYPASS S.F.7 IS 47 CH16_BYPASS S.F.7 IS 47 CH16_BYPASS S.F.7 IS 47 CH18_BYPASS S.F.7 IS 47	<u>PASS</u> → 5-17
ادي 48CH12_RESET	SET >> 5-H7
J6 49 CH12_TCALL 35-F9 J7 49 CH14_TCALL 35-F9 J8 349 CH16_TCALL 35-F9 J8 349 CH18_TCALL 35-F9 J9 349 CH18_TCALL 35-F9 J10 349 CH20_TC	CALL   No. 10
J <sub>6</sub> ) <u>50 GND</u> J <sub>7</sub> ) <u>50 GND</u> J <sub>8</sub> ) <u>50 GND</u> J <sub>9</sub> ) <u>50 GND</u> J <sub>10</sub> ) <u>50 GND</u>	≫5-19
J6) 50 GND J7) 50 GND J8) 50 GND J9) 50 GND J10) 50 GND	775-19

# SCHEMATIC DIAGRAM

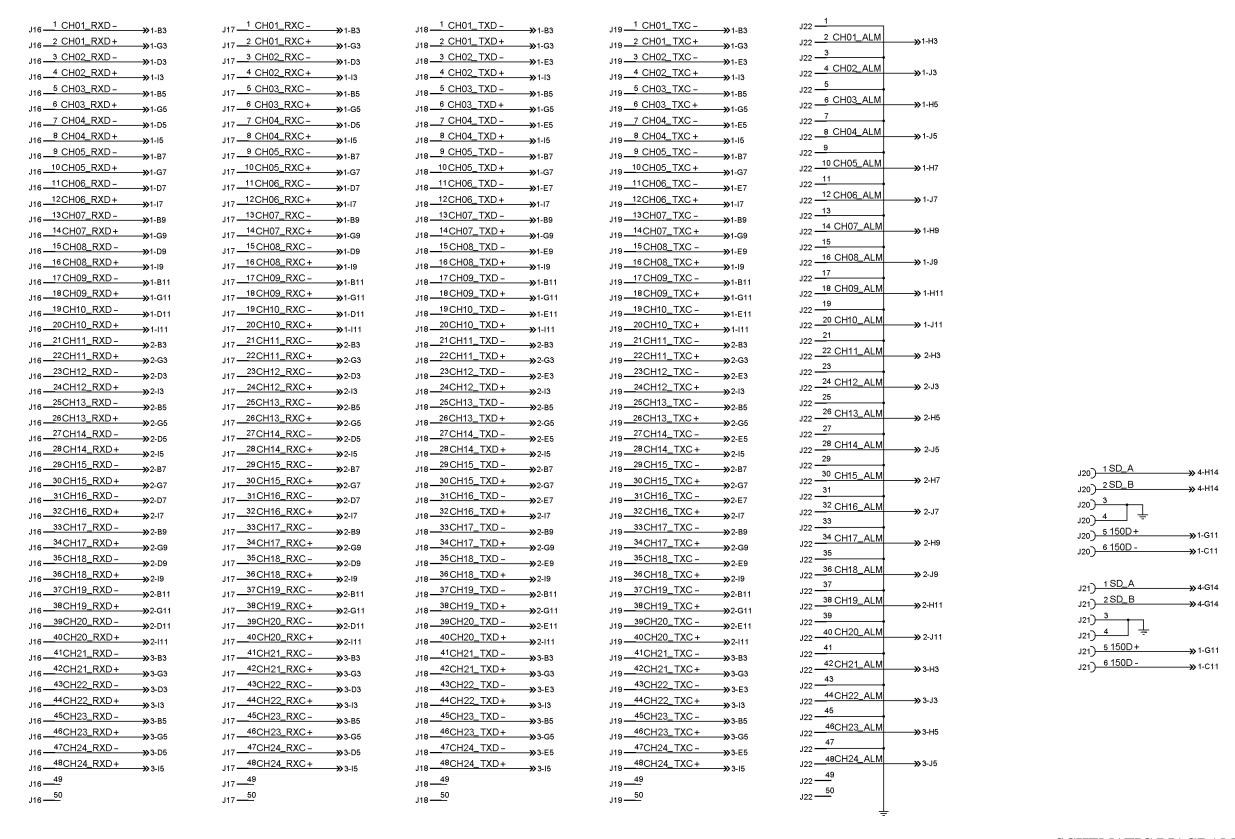
(1911 ROA 117 2254, Sh. 2, Rev. A)

J11) <u>1CH21_TXV_R</u> <b>&gt;&gt;</b> 3-I7	J12) 1CH23_TXV_R >> 3-J7	1 CU04 TVV D	1 CH04 BYV B	1 CHO1 AD
- 2CH21 PVV P	_ 1CH33 BX// B	J13 1 CH01_TXV_R >>> 1-A3	J <sub>14</sub> 1 CH01_RXV_R → 1-B3	J15 1 CH01_AD >>> 1-B3
- 3CH21 AD	~ 3CH33 VD	J13 2 CH01_TXV_T >>> 1-F3	J14 <u>2 CH01_RXV_T</u> <b>&gt;&gt;</b> 1-F3	J15 <u>2 CH01_PTT</u> <b>&gt;&gt;</b> 1-F3
A CHOL DVD	A CHOS DVD	J13 3 CH02_TXV_R >>> 1-D3	J <sub>14</sub> 3 CH <sub>02</sub> RV <sub>V</sub> R → <sub>1-D3</sub>	J15 3 CH02_AD >>> 1-D3
5 CH21 RYC	E CHOS BYC	J13 4 CH02_TXV_T >>> 1-H3	J14 <u>4 CH02_RXV_T</u> <b>&gt;&gt;</b> 1-H3	J15 4 CH02_PTT >>> 1-13
- a CH21 TVD	- e CH23 TXD -	J13 <u>5 CH03_TXV_R</u> <b>&gt;&gt;</b> 1-A5	J14 5 CH03_RXV_R >> 1-B5	J15 <u>5 CH03_AD</u> <b>&gt;&gt;</b> 1-B5
7 CH21 TYC -	- 7 CH23 TVC	J13 6 CH03_TXV_T >>>1-F5	J14 6 CH03_RXV_T >>1-F5	J15 6 CH03_PTT
J11) 7 01121 1700 - 3 4-19	J12) 7 C1123_17.0	J13 7 CH04_TXV_R >>> 1-D5	J14 7 CH04_RXV_R >> 1-D5	J15 7 CH04_AD >>> 1-D5
J1) 8 150D - >> 1-C11	J12) 8 150D - >> 1-C11	J13 8 CH04_TXV_T >>>1-H5	J14 8 CH04_RXV_T >> 1-H5	J15 8 CH04_PTT >>> 1-15
J1) 9 GND	J12) 9 GND	J13 9 CH05_TXV_R >>> 1-A7	J14 9 CH05_RXV_R >>> 1-B7	J15 9 CH05_AD >>> 1-B7
J1) 10 GND	J12) 10 GND	J13 10 CH05_TXV_T >>> 1-F7	J14 10 CH05_RXV_T >> 1-F7	J15
J1) 11 GND	J12) 11 GND	J13	J14 11 CH06_RXV_R >> 1-D7	J1511 CH06_AD
J1) 12 CH21_PA >> 5-19	J12) 12 CH23_PA >> 5-J9	J13 12 CH06_TXV_T >>> 1-H7	J14 12 CH06_RXV_T >> 1-H7	J1512 CH06_PTT
J1) 13 CH22_TXV_R >>> 3-17	J12) 13 CH24_TXV_R >> 3-J7	J13 13 CH07 TXV_R >>> 1-A9	J14 13CH07_RXV_R >>>>1-B9	J1513CH07_AD
J1) 14 CH22_RXV_R >>> 3-19	J12) 14 CH24_RXV_R >> 3-J9	J13	J14 14 CH07_RXV_T >> 1-F9	J15
J1) 15 CH22_AD 3-I11	J12) 15 CH24_AD 3-J11	J1315CH08_TXV_R	J14	J15
J1) 16 CH22_RXD - >> 4-13	J12) 16 CH24_RXD - 34-J3	J13	J14 16CH08_RXV_T >>>>1-H9	J15
J1) 17 CH22_RXC - 34-15	J12) 17 CH24_RXC - 34-J5	J13	J14	J15
J1) 18 CH22_TXD - 34-17	J12) 18 CH24_TXD - 34-J7	J13 18 CH09_TXV_T >>> 1-F11	J14	J15
J1) 19 CH22_TXC - >> 4-19	J12) 19 CH24_TXC - 34-J9	J13	J1419 CH10_RXV_R	J15
J1) 20 150D	J12) 20 150D- >> 1- C11	J13	J1420 CH10_RXV_T	J15
J1) 21GND	J12) 21 GND	J1321CH11_TXV_R	J14 <u>21 CH11_RXV_R</u> <b>&gt;&gt;&gt;</b> 2-B3	J1521 CH11_AD
J1) 22 GND	J12) 22 GND	J13	J <sub>14</sub> 22 CH11_RXV_T <b>&gt;&gt;</b> 2-F3	J15
J1) 23 GND	J12) 23 GND	J13 <u>23CH12_TXV_R</u> >>> 2-D3	J14 <u>23 CH12_RXV_R</u> <b>≫</b> 2-D3	J15
J1) 24 CH22_PA >>> 5- 19	J12) 24 CH24_PA >> 5-J9	J1324 CH12_TXV_T	J14 <u>24 CH12_RXV_T</u> <b>»</b> 2-H3	J15
J1) 25 GND	J12) 25 GND	J13 <u>25CH13_TXV_R</u> <b>&gt;&gt;</b> 2-A5	J14 <u>25 CH13_RXV_R</u> <b>&gt;&gt;</b> 2-B5	J15
J1) 26 CH21_TXV_T 3-17	J12) 26 CH23_TXV_T >> 3-J7	J1326CH13_TXV_T	J1426 CH13_RXV_T	J <sub>15</sub> <u>26 CH13_PTT</u> <b>»</b> 2-F5
J1) 27CH21_RXV_T >> 3-19	J12) 27 CH23_RXV_T 3-J9	J13	J1427 CH14_RXV_R	J15
J1) 28 CH21_PTT 33-I11	J12) 28 CH23_PTT	J1328CH14_TXV_T	J14 <u>28 CH14_RXV_T</u> → 2-H5	J15
J1) 29 CH21_RXD+ 34-13	J12) 29 CH23_RXD+	J13 <u>29CH15_TXV_R</u> <b>≫</b> 2-A7	J1429 CH15_RXV_R	J1529 CH15_AD
J1) 30 CH21_RXC+	J12) 30 CH23_RXC+	J13	J1430 CH15_RXV_T	J15 30 CH15_PTT >> 2-F7
J1) 31CH21_TXD+ 34-17	J12) 31 CH23_TXD+	J13 <u>31CH16_TXV_R</u> <b>&gt;&gt;</b> 2-D7	J1431 CH16_RXV_R	J <sub>15</sub> 31 CH16_AD >> 2-D7
J1) 32CH21_TXC+ 34-19	J12) 32 CH23_TXC+	J13 <u>32CH16_TXV_T</u> <b>&gt;&gt;</b> 2-H7	J1432 CH16_RXV_T	J15
J1) 33 150D+ >> 1-G11	J12) 33 150D+ >> 1-G11	J1333CH17_TXV_R	J1433 CH17_RXV_R	J15 33 CH17_AD >> 2-B9
J1) 34 CH21_ALM 34-111	J12) 34 CH23_ALM	J13 <u>34CH17_TXV_T</u> <b>&gt;&gt;</b> 2-F9	J14 <u>34 CH17_RXV_T</u> <b>&gt;&gt;</b> 2-F9	J1534 CH17_PTT
J1) 35 CH21_BYPASS >> 5-17	J12) 35 CH23_BYPASS >> 5-J7	J13 <u>35CH18_TXV_R</u> <b>&gt;&gt;</b> 2-D9	J1435 CH18_RXV_R	J15 35 CH18_AD >>> 2-D9
J1) 36 CH21_RESET >> 5-17	J12) 36 CH23_RESET >> 5-J7	J13 <u>36CH18_TXV_T</u> <b>&gt;&gt;</b> 2-H9	J1436 CH18_RXV_T	J15 36 CH18_PTT >>> 2-19
J1) 37 CH21_TCALL >> 5-19	J12) 37 CH23_TCALL >> 5-J9	J13 <u>37CH19_TXV_R</u> <b>&gt;&gt;</b> 2-A11	J14 <u>37 CH19_RXV_R</u> <b>&gt;&gt;</b> 2-B11	J15_37 CH19_AD >>> 2-B11
J1) 38 CH22_TXV_T 3-17	J12) 38 CH24_TXV_T 3-J7	J13 <u>38 CH19_TXV_T</u> <b>&gt;</b> 2-F11	J1438 CH19_RXV_T	J1538 CH19_PTT
J1) 39 CH22_RXV_T 33-19	J <sub>12</sub> 39 CH24_RXV_T 3-J9	J13 <u>39 CH20_TXV_R</u> <b>&gt;&gt;</b> 2-D11	J1439 CH20_RXV_R	J15 39 CH20_AD >>>2-D11
J1) 40 CH22_PTT 33-111	J12) 40 CH24_PTT	J13 <u>40 CH20_TXV_T</u> <b>&gt;&gt;</b> 2-H11	J1440 CH20_RXV_T	J15 40 CH20_PTT >>> 2-I11
J1) 41CH22_RXD+ 34-13	J12) 41 CH24_RXD+ 34-J3	J13 41 CH21_TXV_R >> 3-A3	J14 41 CH21_RXV_R 3-B3	J15 41 CH21_AD 3-B3
J1) 42 CH22_RXC+	J12) 42 CH24_RXC+	J13 <u>42 CH21_TXV_T</u> <b>&gt;&gt;</b> 3-F3	J14 42 CH21_RXV_T 33-F3	. <sub>115</sub> <u>42 CH21_PTT</u> <b>&gt;&gt;&gt; 3.</b> F3
J1) 43CH22_TXD+ >> 4-17	J <sub>12</sub> 43CH24_TXD+ <b>»</b> 4-J7	J13 <u>43 CH22_TXV_R</u> 3-D3	J14 43 CH22_RXV_R >>> 3-D3	J15 43 CH22_AD 3-D3
J1) 44 CH22_TXC+	J <sub>12</sub> 44 CH24_TXC+	J13 <u>44 CH22_TXV_T</u> <b>&gt;&gt;&gt;</b> 3-H3	J14 44 CH22_RXV_T 3-H3	J15 44 CH22_PTT 33-13
J11) 45 150D+ >> 1-G11	J12) 45 150D+ >> 1-G11	.113 <u>45 CH23_TXV_R</u> 3-A5	J1445 CH23_RXV_R	.115 45 CH23_AD 3-B5
J17) 46 CH22_ALM >>> 4- I11	.112) 46 CH24_ALM 3 4-J11	J13 <u>46 CH23_TXV_T</u> >>> 3-F5	J1446 CH23_RXV_T	115 46 CH23_PTT 3.F5
J11 47 CH22_BYPASS → 5-17	.112) 47 CH24_BYPASS >> 517	J13 <u>47 CH24_TXV_R</u> <b>&gt;&gt;&gt;</b> 3-D5	J14 <u>47 CH24_RXV_R</u> <b>&gt;&gt;</b> 3-D5	. <sub>115</sub> <u>47 CH24_AD</u> 3.05
48CH22_RESET >> 5-17	112) 48CH24_RESET >> 5-17	J <sub>13</sub> <u>48 CH24_TXV_T</u> <b>&gt;&gt;</b> 3-H5	J14 48 CH24_RXV_T 3-H5	J15 48 CH24_PTT 33-I5
J11) 49 CH22_TCALL >>> 5-19	J12) 49 CH24_TCALL >>> 5-J9	J13 49	J14 — 49	J15 — 49
J1D 50 GND	J12) 50 GND	J13	J1450	J15
111) 50 GND	50 GND		317	3.0
÷ ÷	19 <del>-</del>			

## SCHEMATIC DIAGRAM

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

SCHEMATIC DIAGRAM AE/LZB 119 1873 R1A



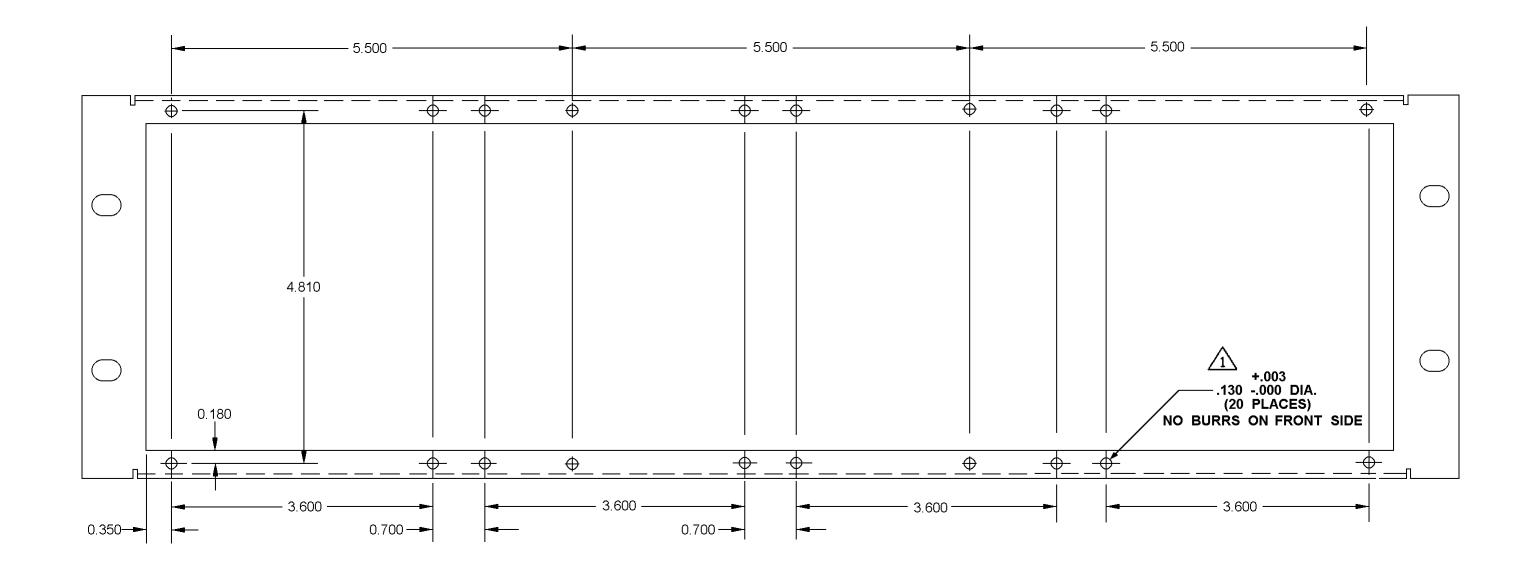
#### SCHEMATIC DIAGRAM

(1911 ROA 117 2254, Sh.4, Rev. A)

J23 1 CH01_RESET	≫1-H3	J24_1 CH01_PA	>>1- C3
J23 2 CH01_BYPASS	>>1-H3	J24_2 CH01_TCALL	≫1- H3
J23_3 CH02_RESET	>>1- J3	J24_3 CH02_PA	>1- F3
J23 4 CH02_BYPASS	>>1- J3	J24_4 CH02_TCALL	<b>≫</b> 1- J3
J235 CH03_RESET	>>1- H5	J24_5 CH03_PA	≫1- C5
J23 6 CH03_BYPASS	>>1- H5	J24_6 CH03_TCALL	≫1- H5
J237 CH04_RESET	>>1- J5	<sub>J24</sub> 7 CH04_PA	>>1-F5
J23_8 CH04_BYPASS	>1- J5	J248 CH04_TCALL	
J23 9 CH05_RESET	>>1- H7	J24 9 CH05_PA	>1- C7
J23 10 CH05 BYPASS	>>1- H7	J24 10 CH05_TCALL	>1- H7
J23 11 CH06_RESET		J24 11 CH06_PA	>1- F7
J23 12 CH06 BYPASS		J24 12 CH06_TCALL	
J23 13 CH07_RESET	>->>>>	J24 13 CH07_PA	—≫1-J7
J2314 CH07_BYPASS		J2414 CH07_TCALL	—≫1- C9
J23 15 CH08_RESET	→> 1- H9	J2415 CH08_PA	→>1- H9
J23 16 CH08 BYPASS	≫1-J9 ≫1-J9	16 CHOS TCALL	—≫1-F9
J23 17 CH09_RESET		J24 17 CH09_PA	—≫1-J9
18CH09 BVDASS	→> 1- H11	19 CHOQ TCALL	—≫1- C11
10CH10 PESET	→> 1- H11	J24 19 CH10_PA	→> 1- H11
J2320CH10_BYPASS	→> 1- J11	20 CH10 TCALL	──≫1-F11
J23 21CH11_RESET	→>1- J11	J2420 CH10_TCALL_	→>1-J11
22CH11 DVDASS	→>> 2- H3	22CH11 TCALL	→> 2- C3
32CH12 DESET	→>> 2- H3	23 CH12 PA	—≫2- H3
34CH42 DVDASS	→> 2- J3	24 CH12 TCALL	>2-F3
25 CH13 PESET	→> 2- J3	25 CH13 PΔ	—≫2- J3
26CH13 BVDASS	→>> 2- H5	26 CH13 TCALL	—≫2- C5
27CU14 DESET	→>> 2- H5	27 CH14 PA	—≫2- H5
28CH14 DVDASS	→>> 2- J5	28 CH1/L TCALL	—≫2- F5
J23 29CH15_RESET	→>> 2- J5	30 CH15 BA	—≫2- J5
30CU15 DVDASS	→>> 2- H7	30 CH15 TCALL	>2- C7
31 CU16 DESET	→>> 2- H7	31 CH16 DA	—≫2- H7
32CH16 BVDASS	→>>2- J7	32 CH16 TCALL	—≫2- F7
33CH17 RESET	→>> 2- J7	33 CH17 DA	— <b>≫</b> 2- J7
34CU17 BVDASS	→> 2- H9	34 CH17 TCALL	→>>2- C9
35CU10 DESET	>>2- H9	35CH18 DA	—≫2- H9
36CH10 DVDASS	>2- J9	26 CH19 TCALL	—≫2- F9
J23	→> 2- J9	27 CH10 DA	—≫2- J9
20CU10 DVDASS	→> 2- H11	J24 38 CH19_TCALL	—≫2- C11
39CH20 RESET	→>> 2- H11	20 CH20 DA	——≫2- H11
40CH20 BVDASS	→>> 2- J11	40 CH20 TCALL	——≫2- F11
44CH24 BESET	→>> 2- J11	44 CH24 DA	— <b>≫</b> 2- J11
42CHO4 DVDAGG	→>> 3- H3	42 CH24 TCALL	—≫3- C3
42CHOO DECET	>> 3- H3	42 CH22 DA	≫3- H3
AACHOO DVDASS	→> 3- J3	44CH22 TCALL	> 3- F3
45CHO2 DECET	→> 3- <b>J</b> 3	45CH23 DA	≫ 3- J3
46CH23 BVDASS	→>> 3- H5	46 CH23 TCALL	≫3- C5
ATCHOA DESET	→> 3- H5	47 CHO4 DA	≫3- H5
40CH24 DVDASS	→> 3- J5	J24————	—≫3- F5
J23 48CH24_BYPASS	≫3- J5	UZ-1	—≫3- J5
J23 — 49		J24 49	
J23		J24 <u>50</u>	

# SCHEMATIC DIAGRAM

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



## FRAME ASSEMBLY 19903881P2

(19D903881, Rev. 3A)