

A20 FILTER ASSY

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FILTER ASSEMBLY A20

1. PARTS LISTS AND COMPONENT LOCATION DIAGRAMS

Tables 1 through 3 are parts lists for the A20A1, A20A2, and A20A3 subassemblies. Figure 1 shows the overall locations of the A20 subassemblies. Figures 2 through figure 4 show the component locations of the A20A1, A20A2, and A20A3 subassemblies.

2. SCHEMATIC DIAGRAMS

A20 schematic diagrams are included in the RF-1310 Interconnection Schematic Diagram (10121-1001) located in the Major Assembly Location and Interconnection section of this manual.

Table 1. Filter Board Assembly A20A1 Parts List

Ref. Desig.	Part Number	Description
A20A1	10121-1060	FILTER BD #1
J8	J22-0035-001	CONN-D F 25 FXD CAPT HW
J9	J22-0035-002	CONN-D F 37 FXD CAPT HW
J10	J22-0035-002	CONN-D F 37 FXD CAPT HW
J11	J22-0035-002	CONN-D F 37 FXD CAPT HW
J1	J46-0040-048	CONN, 48 PIN
J2	J46-0040-048	CONN, 48 PIN

Table 2. Filter Board Assembly A20A2 Parts List

Ref. Desig.	Part Number	Description
A20A2	10121-1070	FILTER BOARD #2
C2	M39014/02-1310	CAP .1UF 10% 100V CER-R
C3	CK06BX472K	CAP 4700PF 10% 200V CER
C4	M39014/02-1310	CAP .1UF 10% 100V CER-R
C6	M39014/02-1310	CAP .1UF 10% 100V CER-R
C7	M39014/02-1310	CAP .1UF 10% 100V CER-R
C8	M39014/02-1310	CAP .1UF 10% 100V CER-R
C9	M39014/02-1310	CAP .1UF 10% 100V CER-R
C10	M39014/02-1310	CAP .1UF 10% 100V CER-R
C11	M39014/02-1310	CAP .1UF 10% 100V CER-R
C12	M39014/02-1310	CAP .1UF 10% 100V CER-R
C13	M39014/02-1310	CAP .1UF 10% 100V CER-R
C14	M39014/02-1310	CAP .1UF 10% 100V CER-R
C15	M39014/02-1310	CAP .1UF 10% 100V CER-R
C16	M39014/02-1310	CAP .1UF 10% 100V CER-R
C17	M39014/02-1310	CAP .1UF 10% 100V CER-R
C18	CK06BX472K	CAP 4700PF 10% 200V CER

Table 2. Filter Board Assembly A20A2 Parts List (Cont.)

Ref. Desig.	Part Number	Description
C19	M39014/02-1310	CAP .1UF 10% 100V CER-R
C20	M39014/02-1310	CAP .1UF 10% 100V CER-R
C21	M39014/02-1310	CAP .1UF 10% 100V CER-R
C22	M39014/02-1310	CAP .1UF 10% 100V CER-R
C23	M39014/02-1310	CAP .1UF 10% 100V CER-R
C24	M39014/02-1310	CAP .1UF 10% 100V CER-R
C25	M39014/02-1310	CAP .1UF 10% 100V CER-R
C26	M39014/02-1310	CAP .1UF 10% 100V CER-R
C27	M39014/02-1310	CAP .1UF 10% 100V CER-R
C28	CK06BX472K	CAP 4700PF 10% 200V CER
C29	CK06BX472K	CAP 4700PF 10% 200V CER
C30	M39014/02-1310	CAP .1UF 10% 100V CER-R
C31	M39014/02-1310	CAP .1UF 10% 100V CER-R
C32	M39014/02-1310	CAP .1UF 10% 100V CER-R
C33	CK06BX472K	CAP 4700PF 10% 200V CER
C34	CK06BX472K	CAP 4700PF 10% 200V CER
C35	M39014/02-1310	CAP .1UF 10% 100V CER-R
C36	M39014/02-1310	CAP .1UF 10% 100V CER-R
C37	CK06BX472K	CAP 4700PF 10% 200V CER
C38	CK06BX472K	CAP 4700PF 10% 200V CER
C39	M39014/02-1310	CAP .1UF 10% 100V CER-R
C40	M39014/02-1310	CAP .1UF 10% 100V CER-R
C41	M39014/02-1310	CAP .1UF 10% 100V CER-R
C42	M39014/02-1310	CAP .1UF 10% 100V CER-R
C43	CK06BX472K	CAP 4700PF 10% 200V CER
C44	CK06BX472K	CAP 4700PF 10% 200V CER
C45	CK06BX472K	CAP 4700PF 10% 200V CER
C46	CK06BX472K	CAP 4700PF 10% 200V CER
C47	CK06BX472K	CAP 4700PF 10% 200V CER
C48	CK06BX472K	CAP 4700PF 10% 200V CER
C49	M39014/02-1310	CAP .1UF 10% 100V CER-R
C50	M39014/02-1310	CAP .1UF 10% 100V CER-R
L1	MS75084-15	COIL 18.0UH 10% FXD RF
L2	MS75085-8	COIL 120UH 10% FXD RF
L3	MS75085-14	COIL 390UH 10% FXD RF
L4	MS75084-15	COIL, 18UH, 10% FXD RF
L6	MS75084-15	COIL, 18UH, 10% FXD RF
L7	MS75084-15	COIL, 18UH, 10% FXD RF
L8	MS75084-8	COIL, 120UH, 10% FXD RF
L9	MS75084-8	COIL, 120UH, 10% FXD RF
L10	MS75084-8	COIL, 120UH, 10% FXD RF
L11	MS75084-8	COIL, 120UH, 10% FXD RF
L12	MS75084-15	COIL, 18UH, 10% FXD RF
L13	MS75084-8	COIL, 120UH, 10% FXD RF
L14	MS75084-8	COIL, 120UH, 10% FXD RF

Table 2. Filter Board Assembly A20A2 Parts List (Cont.)

Ref. Desig.	Part Number	Description
L15	MS75084-8	COIL, 120UH, 10% FXD RF
L16	MS75084-8	COIL, 120UH, 10% FXD RF
L17	MS75084-8	COIL, 120UH, 10% FXD RF
L18	MS75085-14	COIL, 390UH, 10% FXD RF
L19	MS75084-8	COIL, 120UH, 10% FXD RF
L20	MS75084-8	COIL, 120UH, 10% FXD RF
L23	MS75084-8	COIL, 120UH, 10% FXD RF
L24	MS75084-8	COIL, 120UH, 10% FXD RF
L25	MS75084-8	COIL, 120UH, 10% FXD RF
L26	MS75084-8	COIL, 120UH, 10% FXD RF
L28	MS75084-8	COIL, 120UH, 10% FXD RF
L29	MS75084-8	COIL, 120UH, 10% FXD RF
L30	MS75084-8	COIL, 120UH, 10% FXD RF
L32	MS75084-8	COIL, 120UH, 10% FXD RF
L33	MS75084-8	COIL, 120UH, 10% FXD RF
L34	MS75084-8	COIL, 120UH, 10% FXD RF
L35	MS75084-8	COIL, 120UH, 10% FXD RF
L36	MS75084-8	COIL, 120UH, 10% FXD RF
L37	MS75084-8	COIL, 120UH, 10% FXD RF
L38	MS75084-8	COIL, 120UH, 10% FXD RF
L39	MS75084-8	COIL, 120UH, 10% FXD RF
L40	MS75084-8	COIL, 120UH, 10% FXD RF
L41	MS75084-8	COIL, 120UH, 10% FXD RF
L42	MS75084-8	COIL, 120UH, 10% FXD RF
L43	MS75084-8	COIL, 120UH, 10% FXD RF
L44	MS75084-8	COIL, 120UH, 10% FXD RF
L45	MS75084-8	COIL, 120UH, 10% FXD RF
L46	MS75084-8	COIL, 120UH, 10% FXD RF
L47	MS75084-8	COIL, 120UH, 10% FXD RF
L48	MS75084-8	COIL, 120UH, 10% FXD RF
L49	MS75084-8	COIL, 120UH, 10% FXD RF
L50	MS75084-8	COIL, 120UH, 10% FXD RF
P1	10121-7292	CABLE, REMOTE/FILTER
P2	10121-7293	CABLE, AUDIO/FILTER
P5	J46-0043-048	CONNECTOR, 48 PIN
P6	J46-0043-048	CONNECTOR, 48 PIN

Table 3. Filter Board Assembly A20A3 Parts List

Ref. Desig.	Part Number	Description
A20A3	10121-1080	FILTER BOARD #3
C1	M39014/02-1310	CAP .1UF 10% 100V CER-R
C2	M39014/02-1310	CAP .1UF 10% 100V CER-R
C3	M39014/02-1310	CAP .1UF 10% 100V CER-R

Table 3. Filter Board Assembly A20A3 Parts List (Cont.)

Ref. Desig.	Part Number	Description
C4	M39014/02-1310	CAP .1UF 10% 100V CER-R
C5	M39014/02-1310	CAP .1UF 10% 100V CER-R
C6	M39014/02-1310	CAP .1UF 10% 100V CER-R
C7	M39014/02-1310	CAP .1UF 10% 100V CER-R
C8	M39014/02-1310	CAP .1UF 10% 100V CER-R
C9	M39014/02-1310	CAP .1UF 10% 100V CER-R
C10	M39014/02-1310	CAP .1UF 10% 100V CER-R
C11	M39014/02-1310	CAP .1UF 10% 100V CER-R
C12	M39014/02-1310	CAP .1UF 10% 100V CER-R
C13	CK06BX472K	CAP 4700PF 10% 200V CER
C14	CK06BX472K	CAP 4700PF 10% 200V CER
C15	M39014/02-1310	CAP .1UF 10% 100V CER-R
C16	M39014/02-1310	CAP .1UF 10% 100V CER-R
C17	M39014/02-1310	CAP .1UF 10% 100V CER-R
C18	M39014/02-1310	CAP .1UF 10% 100V CER-R
C19	CK06BX472K	CAP 4700PF 10% 200V CER
C20	CK06BX472K	CAP 4700PF 10% 200V CER
C21	M39014/02-1310	CAP .1UF 10% 100V CER-R
C22	M39014/02-1310	CAP .1UF 10% 100V CER-R
C23	M39014/02-1310	CAP .1UF 10% 100V CER-R
C24	M39014/02-1310	CAP .1UF 10% 100V CER-R
C25	M39014/02-1310	CAP .1UF 10% 100V CER-R
C26	M39014/02-1310	CAP .1UF 10% 100V CER-R
C27	M39014/02-1320	CAP .47UF 10% 50V CER-R
C29	M39014/02-1310	CAP .1UF 10% 100V CER-R
C30	M39014/02-1310	CAP .1UF 10% 100V CER-R
C31	M39014/02-1320	CAP .47UF 10% 50V CER-R
C32	M39014/02-1310	CAP .1UF 10% 100V CER-R
C33	M39014/02-1310	CAP .1UF 10% 100V CER-R
C35	M39014/02-1310	CAP .1UF 10% 100V CER-R
C36	M39014/02-1310	CAP .1UF 10% 100V CER-R
C37	M39014/02-1310	CAP .1UF 10% 100V CER-R
C38	M39014/02-1310	CAP .1UF 10% 100V CER-R
C39	M39014/02-1320	CAP .47UF 10% 50V CER-R
C40	M39014/02-1310	CAP .1UF 10% 100V CER-R
C41	M39014/02-1310	CAP .1UF 10% 100V CER-R
C42	M39014/02-1310	CAP .1UF 10% 100V CER-R
C43	M39014/02-1320	CAP .47UF 10% 50V CER-R
C44	M39014/02-1320	CAP .47UF 10% 50V CER-R
C45	M39014/02-1310	CAP .1UF 10% 100V CER-R
C46	M39014/02-1310	CAP .1UF 10% 100V CER-R

Table 3. Filter Board Assembly A20A3 Parts List (Cont.)

Ref. Desig.	Part Number	Description
J1	J46-0029-048	CONN, 48 PIN
J2	J46-0029-048	CONN, 48 PIN
L1	MS75085-8	COIL 120UH 10% FXD RF
L2	MS75085-8	COIL 120UH 10% FXD RF
L3	MS75085-8	COIL 120UH 10% FXD RF
L4	MS75085-8	COIL 120UH 10% FXD RF
L5	MS75085-8	COIL 120UH 10% FXD RF
L6	MS75085-8	COIL 120UH 10% FXD RF
L7	MS75085-8	COIL 120UH 10% FXD RF
L8	MS75085-8	COIL 120UH 10% FXD RF
L9	MS75085-8	COIL 120UH 10% FXD RF
L10	MS75085-2	COIL 39UH 10% FXD RF
L11	MS75085-2	COIL 39UH 10% FXD RF
L12	MS75085-2	COIL 39UH 10% FXD RF
L13	MS75085-15	COIL 18UH 10% FXD RF
L14	MS75085-15	COIL 18UH 10% FXD RF
L15	MS75085-8	COIL 120UH 10% FXD RF
L16	MS75085-8	COIL 120UH 10% FXD RF
L17	MS75085-8	COIL 120UH 10% FXD RF
L18	MS75085-8	COIL 120UH 10% FXD RF
L19	MS75085-15	COIL 18UH 10% FXD RF
L20	MS75085-15	COIL 18UH 10% FXD RF
L21	MS75085-8	COIL 120UH 10% FXD RF
L22	MS75085-2	COIL 39UH 10% FXD RF
L23	MS75085-2	COIL 39UH 10% FXD RF
L24	MS75085-2	COIL 39UH 10% FXD RF
L25	MS75085-2	COIL 39UH 10% FXD RF
L26	MS75085-8	COIL 120UH 10% FXD RF
L27	MS75085-7	COIL 3.9UH 10% FXD RF
L29	MS75085-2	COIL 39UH 10% FXD RF
L30	MS75085-8	COIL 120UH 10% FXD RF
L31	MS75085-11	COIL 220UH 10% FXD RF
L32	MS75085-2	COIL 39UH 10% FXD RF
L33	MS75085-2	COIL 39UH 10% FXD RF
L35	MS75085-2	COIL 39UH 10% FXD RF
L36	MS75085-8	COIL 120UH 10% FXD RF
L37	MS75085-8	COIL 120UH 10% FXD RF
L38	MS75085-2	COIL 39UH 10% FXD RF
L39	MS75085-11	COIL 220UH 10% FXD RF
L40	MS75085-8	COIL 120UH 10% FXD RF
L41	MS75085-2	COIL 39UH 10% FXD RF
L42	MS75085-8	COIL 120UH 10% FXD RF
L43	MS75085-7	COIL 3.9UH 10% FXD RF
L44	MS75085-8	COIL 120UH 10% FXD RF
L45	MS75085-8	COIL 120UH 10% FXD RF
L46	MS75085-2	COIL 39UH 10% FXD RF
P3	10121-7290	CABLE, CONTROL/FILTER
P4	10121-7291	CABLE, FILTER SYSTEM INTERFACE

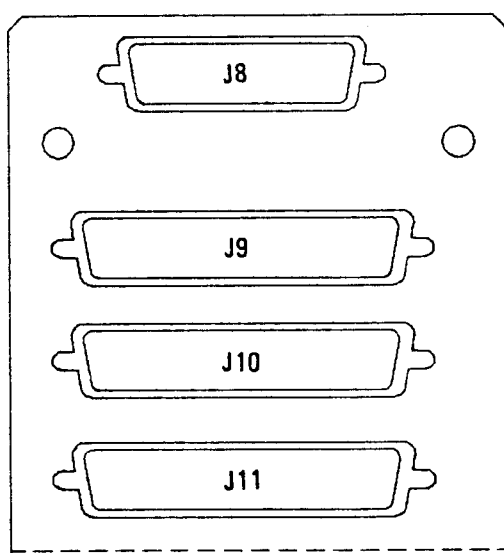
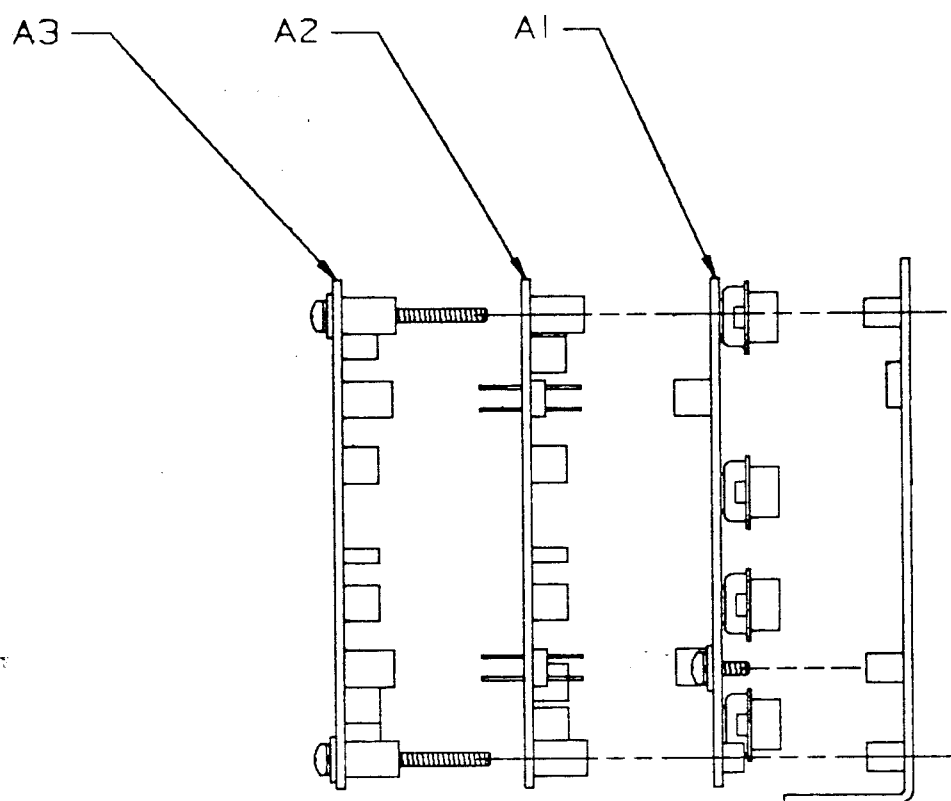


Figure 1. Filter Board Assembly A20 Subassembly Locations Diagram

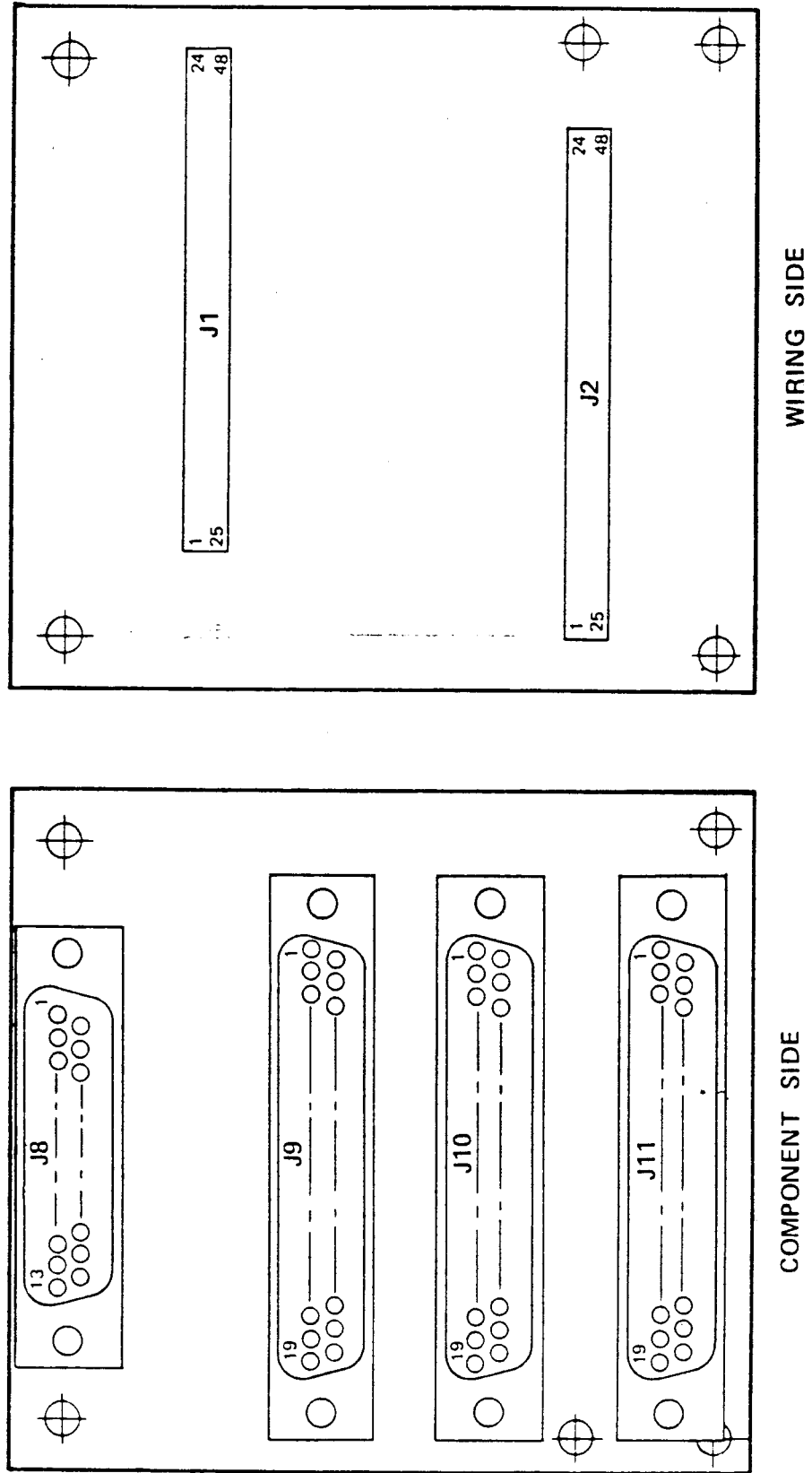


Figure 2. Filter Board Assembly A20A1 Component Locations Diagram (10121-1060)

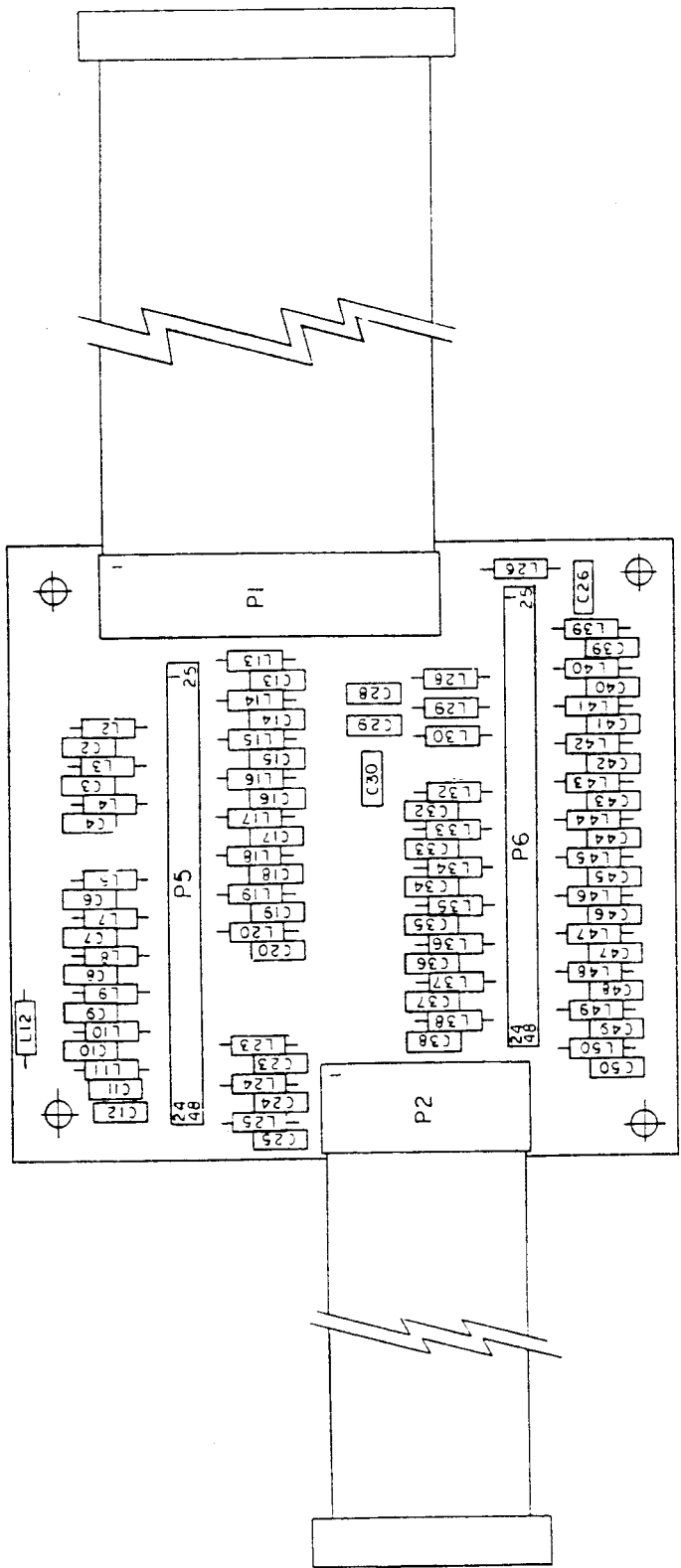


Figure 3. Filter Board Assembly A20A2 Component Locations Diagram (10121-1070)

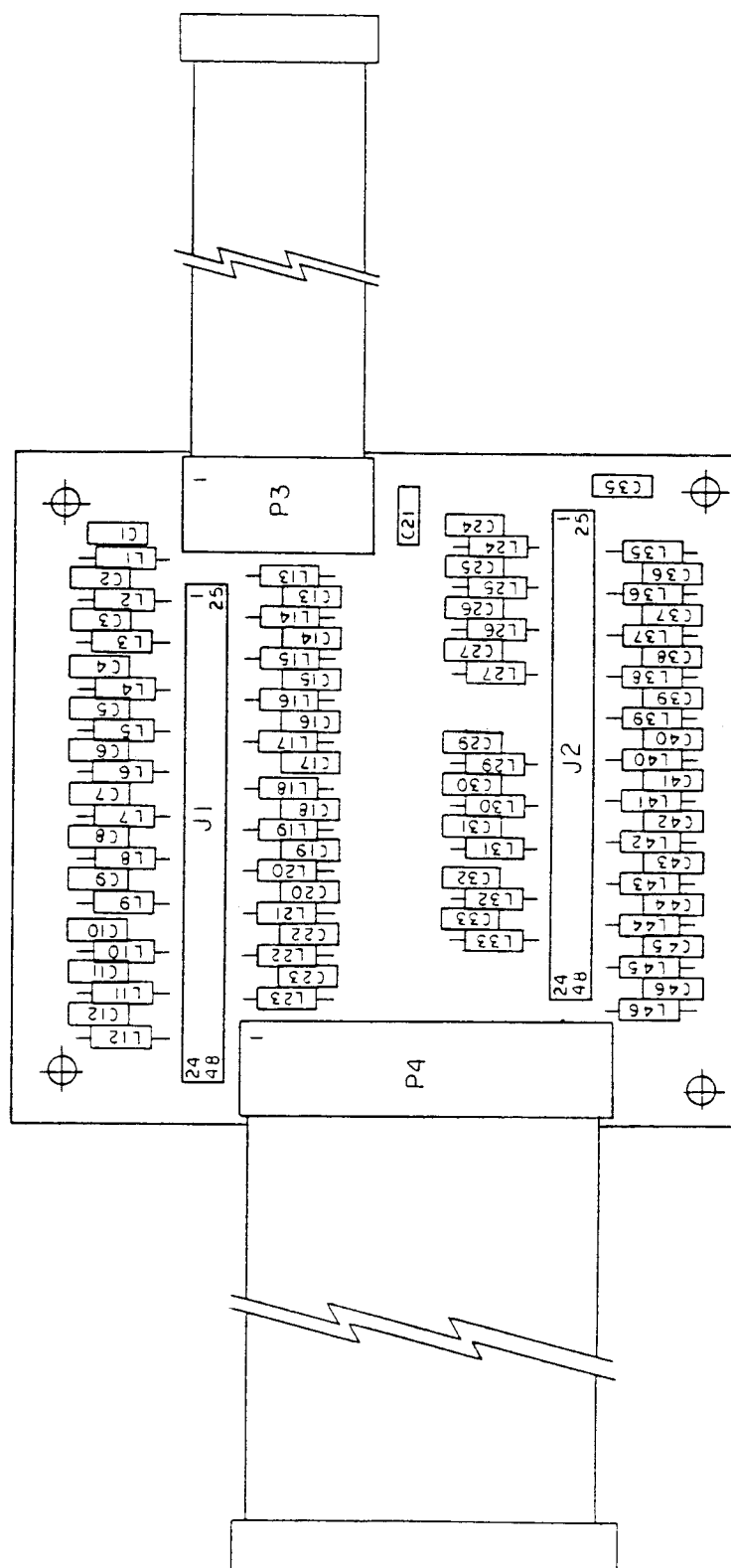


Figure 4. Filter Board Assembly A20A3 Component Locations Diagram (10121-1080)