

Wire No.	Color	From	To
188	COAX	A8-447	J9-1
188-SHLD		A8-448	J9-2
189	GREEN	A8-416	A8-466
190	NOT USED		
191	VIOLET	A10A3-8	C3-1
192	RED	C4-2	C7-1
193	RED	C4-1	C5-2
194	RED	C6-1	C9-2
195	RED	C8-1	J7
196	COAX	C8-1	E41
196-SHLD		E15	E53
197	RED	C8-2	C5-1
198	NOT USED		
199	WHITE	J1-2	J3
200	NOT USED		
201	NOT USED		
202	WHITE	J2-3	S1C-2
203	COAX	A2-63	J10-1
203-SHLD		A2-64	J10-2
204	WHITE	J13-1	S8C-1
205	WHITE	S1A-5	XF1-2
206	WHITE	J5-3	XF1-8
207	ORANGE	J5-4	A3-132
208	VIOLET	J5-5	A3-152
209	RED	J5-6	A3-150
210	BLUE	J5-7	A3-147
211	BROWN	J5-8	A3-136
212	BLACK	J5-9	E11
213	WHITE	J5-10	A2-58
214	WHITE	J5-12	R14-2
215	WHITE	J5-13	P4-E
216	WHITE	J5-14	M1-2
217	WHITE	J5-18	R5-2
218	WHITE	J5-19	J17
219	WHITE	J5-20	A10-4
220	WHITE	J5-21	P3-N
221	WHITE	A10A3-10	E18
222	WHITE	J6-2	S1A-3
223	WHITE	J6-3	S1A-1
224	NOT USED		
225	NOT USED		
226	BUSS	J6-6	E12
227	BUSS	J6-7	XF1-1
228	NOT USED		
229	WHITE	J6-9	TB1-20

Table 6-1. Wire Run List (Sheet 6 of 12)

Wire No.	Color	From	To
230	WHITE	A3-165	E19
231	NOT USED		
232	BLUE	R1-3	TB1-8
233	WHITE	R3-3	TB1-17
234	NOT USED		
235	WHITE	R5-3	TB1-12
236	WHITE	R7-2	S5B-10
237	NOT USED		
238	COAX	R10-2	S1E-3
238-SHLD		E4	S1E-1
239	NOT USED		
240	NOT USED		
241	NOT USED		
242	NOT USED		
243	RED	R14-3	A3-112
244	NOT USED		
245	BLACK	M1-1	E9
246	BLACK	S1A-2	TB1-7
247	NOT USED		
248	COAX	A9-485	S8C-12
248-SHLD		A9-484	S8C-3
249	WHITE	A3-166	E51
250	WHITE	S8C-6	S1C-2
251	BLACK	S1C-3	TB1-6
252	BLUE	S1D-7	TB1-9
253	WHITE	S1D-8	S8D-12
254	NOT USED		
255	NOT USED		
256	WHITE	S1D-11	A9-498
257	WHITE	S1D-12	TB1-19
258	NOT USED		
259	WHITE	S5B-6	P3-A
260	NOT USED		
261	WHITE	S5A-6	P3-B
262	NOT USED		
263	NOT USED		
264	NOT USED		
265	WHITE	S5A-1	P3-10
266	NOT USED		
267	NOT USED		
268	WHITE	S5B-1	P3-3
269	NOT USED		
270	NOT USED		
271	NOT USED		
272	NOT USED		

Table 6-1. Wire Run List (Sheet 7 of 12)

Wire No.	Color	From	To
273	NOT USED		
274	NOT USED		
275	NOT USED		
276	NOT USED		
277	NOT USED		
278	GRAY	TB1-14	P3-12
279	NOT USED		
280	BLUE	TB1-10	P3-7
281	NOT USED		
282	NOT USED		
283	NOT USED		
284	BLACK	TB1-6	P3-K
285	NOT USED		
286	GREEN	TB1-15	P3-F
287	NOT USED		
288	WHITE	A10-6	P4-1
289	NOT USED		
290	WHITE	A10-7	P4-A
291	NOT USED		
292	NOT USED		
293	NOT USED		
294	GREEN	S5A-2	S5B-8
295	GREEN	S5A-2	S5A-5
296	BLACK	S5A-4	S5B-7
297	BUSS	S5A-3	S5A-4
298	BLUE	S5B-2	S5B-5
299	GRAY	TB1-14	S5B-4
300	BUSS	S5B-3	S5B-4
301	NOT USED		
302	BLUE	TB1-10	S5B-5
303	BLACK	TB1-5	S5B-7
304	BLACK	S5B-7	S5B-9
305	GREEN	TB1-16	S5B-8
306	BUSS	S6-8	S6-9
307	NOT USED		
308	NOT USED		
309	NOT USED		
310	NOT USED		
311	NOT USED		
312	NOT USED		
313	NOT USED		
314	NOT USED		
315	NOT USED		
316	NOT USED		
317	NOT USED		

Table 6-1. Wire Run List (Sheet 8 of 12)

Wire No.	Color	From	To
318	NOT USED		
319	NOT USED		
320	NOT USED		
321	NOT USED		
322	NOT USED		
323	NOT USED		
324	NOT USED		
325	NOT USED		
326	NOT USED		
327	NOT USED		
328	NOT USED		
329	NOT USED		
330	NOT USED		
331	NOT USED		
332	NOT USED		
333	NOT USED		
334	NOT USED		
335	NOT USED		
336	NOT USED		
337	NOT USED		
338	NOT USED		
339	NOT USED		
340	NOT USED		
341	NOT USED		
342	NOT USED		
343	NOT USED		
344	NOT USED		
345	NOT USED		
346	NOT USED		
347	WHITE	A9-478	A8-462
348	WHITE	A9-480	S6-5
349	WHITE	A9-479	S6-9
350	NOT USED		
351	NOT USED		
352	NOT USED		
353	WHITE	A8-469	S8G-7
354	NOT USED		
355	WHITE	A8-470	S8H-7
356	NOT USED		
357	NOT USED		
358	NOT USED		
359	NOT USED		
360	NOT USED		
361	NOT USED		
362	NOT USED		

Table 6-1. Wire Run List (Sheet 9 of 12)

Wire No.	Color	From	To
363	NOT USED		
364	NOT USED		
365	NOT USED		
366	NOT USED		
367	NOT USED		
368	NOT USED		
369	NOT USED		
370	NOT USED		
371	NOT USED		
372	NOT USED		
373	NOT USED		
374	WHITE	Q4-2	C2-1
375	WHITE	XK1-1	A3-166
376	NOT USED		
377	WHITE	XK1-4	A10-5
378	WHITE	XK1-6	A3-163
379	NOT USED		
380	ORANGE	A3-132	A10-3
381	GREEN	A3-106	A5-272
382	BLUE	A3-122	J6-10
383	RED	A9-481	TB1-4
384	NOT USED		
385	BLUE	A9-505	TB1-9
386	GREEN	A9-491	TB1-16
387	COAX	A9-493	A8-465
388	NOT USED		
389	NOT USED		
390	WHITE	TB1-1	R1-1
391	NOT USED		
392	NOT USED		
393	WHITE	A7-355	C43
394	WHITE	A7-356	C45
395	WHITE	L1-1	C37
396	WHITE	A7-360	C39
397	WHITE	A7-361	C38
398	WHITE	A7-362	C42
399	WHITE	A7-363	C40
400	WHITE	A7-364	C41
401	WHITE	A7-365	A7-368
402	WHITE	A7-366	C46
403	WHITE	A7-367	C47
404	RED	A3-115	TB1-2
405	COAX	S1D-1	S8A-6
405-SHLD		S1D-9	S8A-3

Table 6-1: Wire Run List (Sheet 10 of 12)

Wire No.	Color	From	To
406	COAX	S1D-3	S8A-1
406-SHLD		S1D-6	S8A-2
407	NOT USED		
408	NOT USED		
409	NOT USED		
410	NOT USED		
411	NOT USED		
412	NOT USED		
413	NOT USED		
414	RED	A8-401	A8-427
415	BLUE	A8-429	A8-434
416	NOT USED		
417	BLUE	A8-434	A8-451
418	GRAY	A8-432	A8-449
419	WHITE	R9-1	TB1-18
420	WHITE	R9-2	A8-437
421	WHITE	R9-3	TB1-11
422	NOT USED		
423	NOT USED		
424	NOT USED		
425	NOT USED		
426	NOT USED		
427	COAX	A4-212	A9-495
427-SHLD		A4-211	A9-494
428	NOT USED		
429	NOT USED		
430	NOT USED		
431	NOT USED		
432	NOT USED		
433	NOT USED		
434	NOT USED		
435	NOT USED		
436	NOT USED		
437	NOT USED		
438	NOT USED		
439	NOT USED		
440	NOT USED		
441	NOT USED		
442	NOT USED		
443	NOT USED		
444	BUSS	J6-1	E18
445	BUSS	J6-14	E19
446	BUSS	J6-8	E20
447	NOT USED		
448	NOT USED		
449	BUSS	S8A-3	E8
450	NOT USED		
451	NOT USED		
452	NOT USED		
453	NOT USED		

Table 6-1. Wire Run List (Sheet 11 of 12)

Wire No.	Color	From	To
454	NOT USED		
455	NOT USED		
456	NOT USED		
457	WHITE	S8G-1	FL4-3
458	COAX	S8G-11	FL5-1
458-SHLD		FL5-GND	FL5-GND
459	NOT USED		
460	WHITE	S8H-1	FL4-1
461	COAX	S8H-11	FL5-3
461-SHLD		FL4-GND	FL4-GND
462	NOT USED		
463	NOT USED		
464	NOT USED		
465	NOT USED		
466	NOT USED		
467	NOT USED		
468	NOT USED		
469	NOT USED		
470	NOT USED		
471	NOT USED		
472	NOT USED		
473	NOT USED		
474	NOT USED		
475	1/8" BRAID	FL5-2	I. F. GND
476	WHITE	A10-1	S1C-5
477	WHITE	A10-4	S1C-6
478	1/8" BRAID	FL4-2	I. F. GND
479	WHITE	A7-352	E55
480	WHITE	A7-354	E56
481	WHITE	A7-358	E57
482	NOT USED		
483	ORANGE	A3-132	A9-507
484	GRAY	A9-508	TB1-13
485	NOT USED		
486	NOT USED		
487	NOT USED		
488	NOT USED		
489	WHITE	A5-271	A6-338
490	NOT USED		
491	BUSS	A10A1S1A-4	A10A2S1C- WIPER
492	BUSS	A10A1S1A-5	A10A1C2
493	BUSS	A10A1S1A- WIPER	A10A2-32
494	BUSS	A10A1S1B-4	A10A2S1A- WIPER
495	BUSS	A10A1S1B-5	A10A1C1
496	BUSS	A10A1S1B- WIPER	E29
497	WHITE	A7-353	GND LUG

Table 6-1. Wire Run List (Sheet 12 of 12)

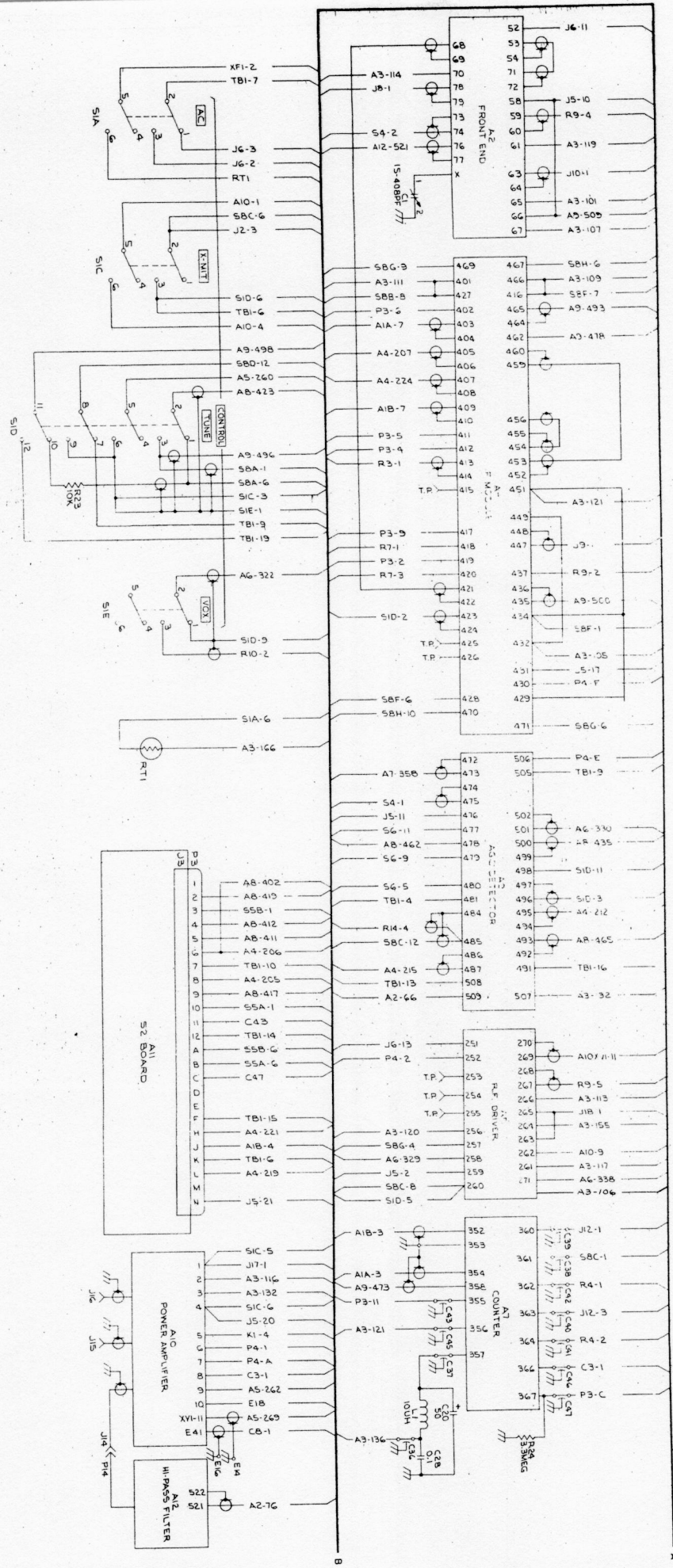
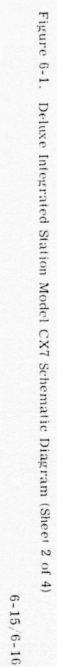


Figure 6-1. Deluxe Integrated Station Model CX7 Schematic Diagram (Sheet 1 of 4)
6-13/6-14



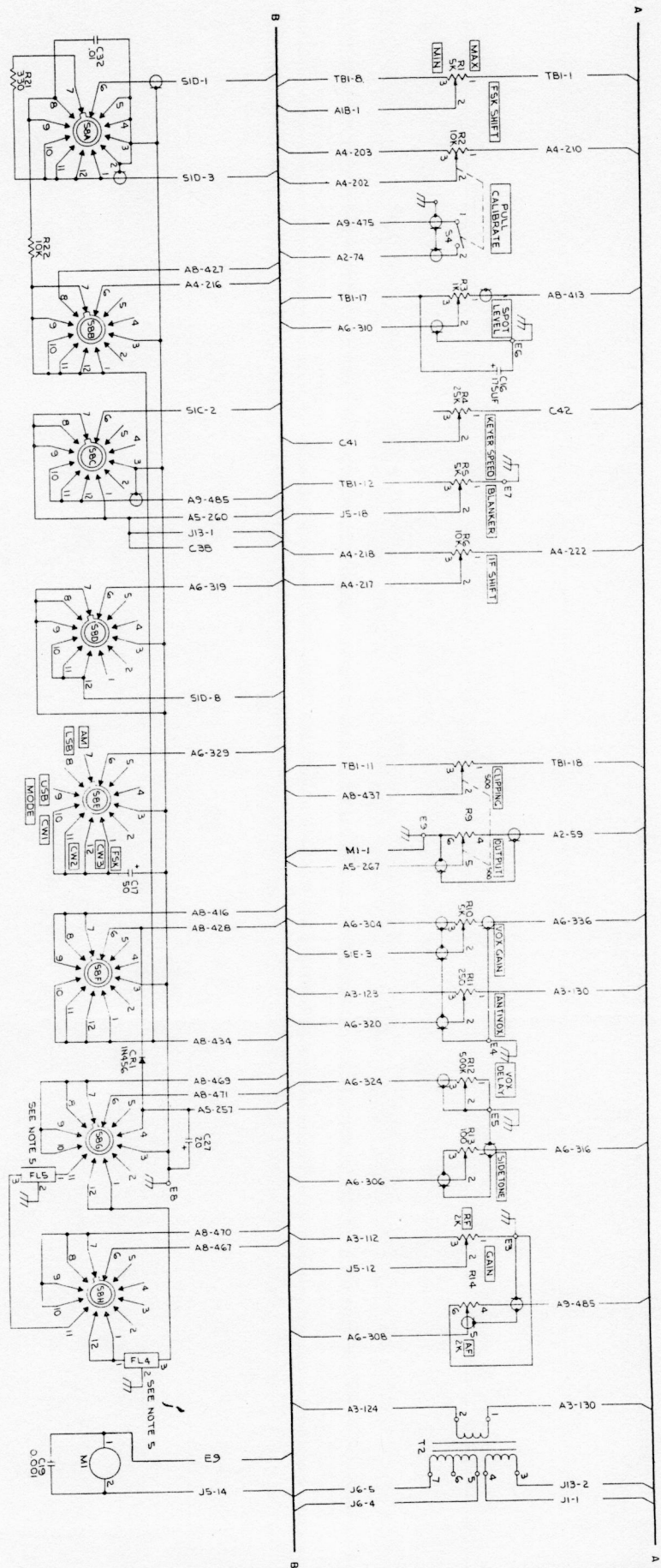


Figure 6-1. Deluxe Integrated Station Model CX7 Schematic Diagram (Sheet 3 of 4)
6-17 6-18

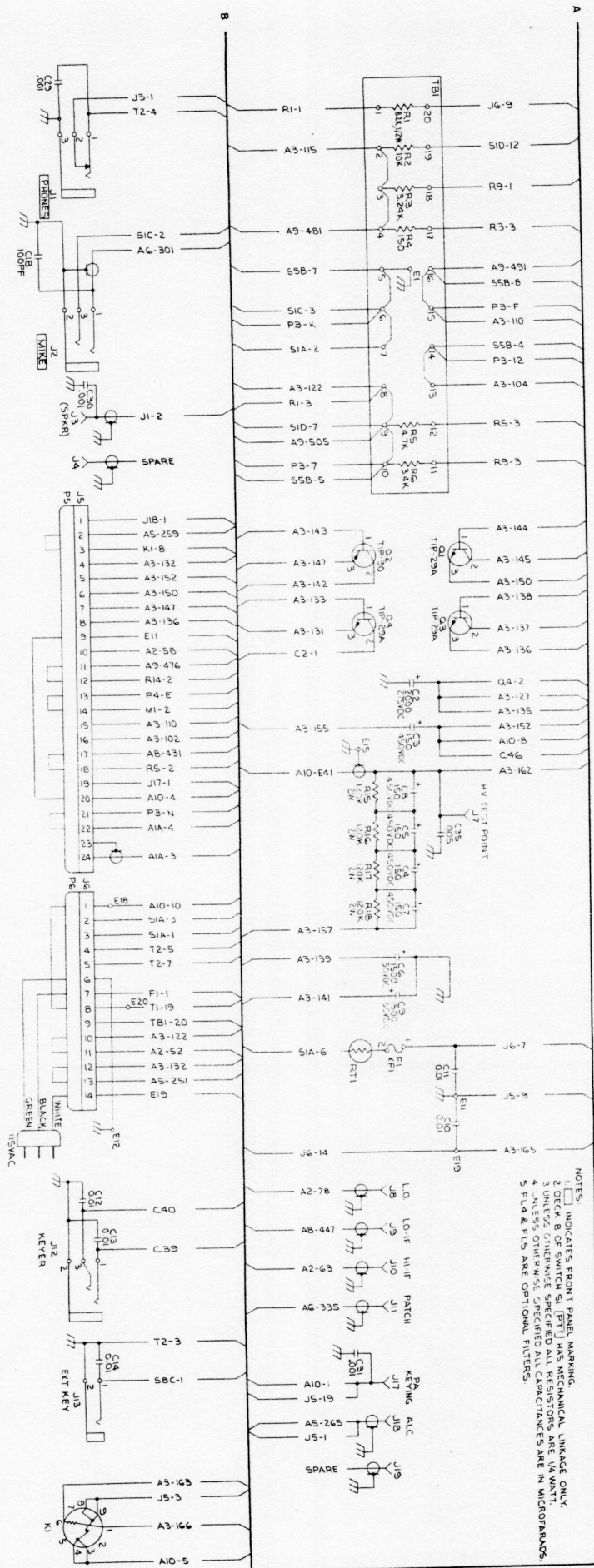


Figure 6-1. Deluxe Integrated Station Model CX7 Schematic Diagram (Sheet 4 of 4)

4. THESE COMPONENTS NOT PART OF P.C. BOARD.
3. ALL UNMARKED RESISTORS ARE 1/4 WATT.
2. UNLESS OTHERWISE SPECIFIED ALL WHOLE VALUE CAPACITORS ARE IN P.F.
1. UNLESS OTHERWISE SPECIFIED ALL DECIMAL VALUE CAPACITORS ARE IN U.F.

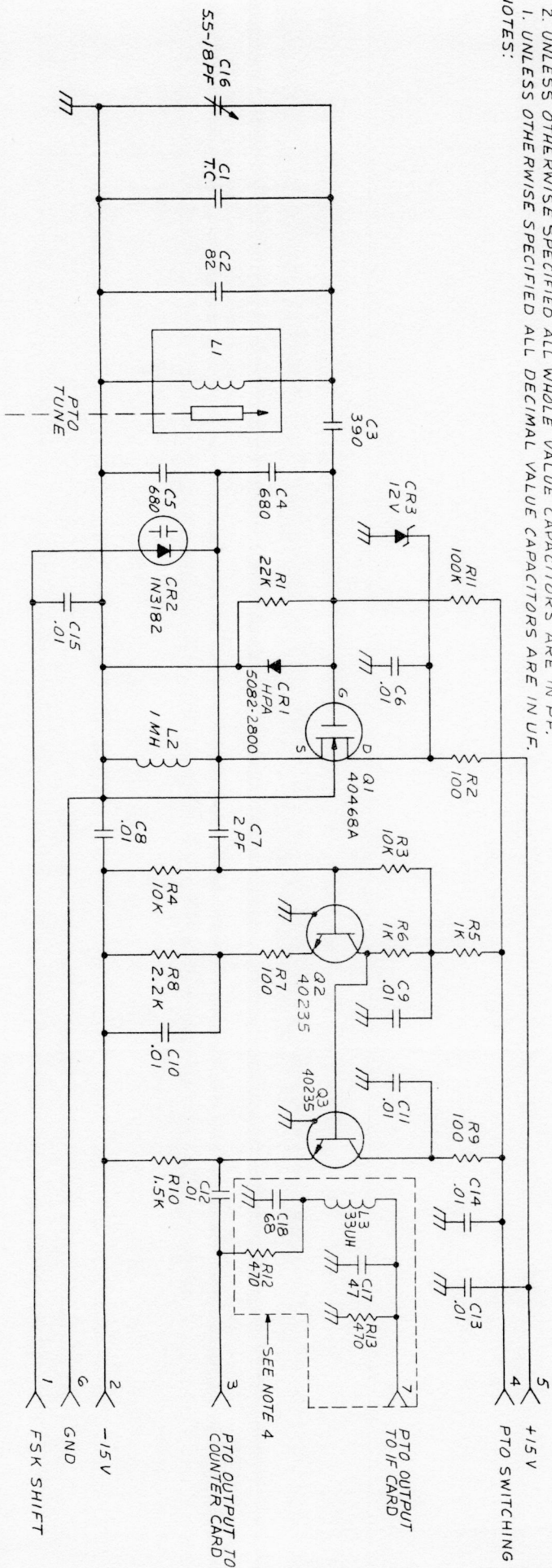
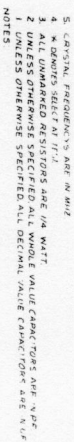


Figure 6-2. PTO Module A1 Schematic Diagram



6-23/6-24

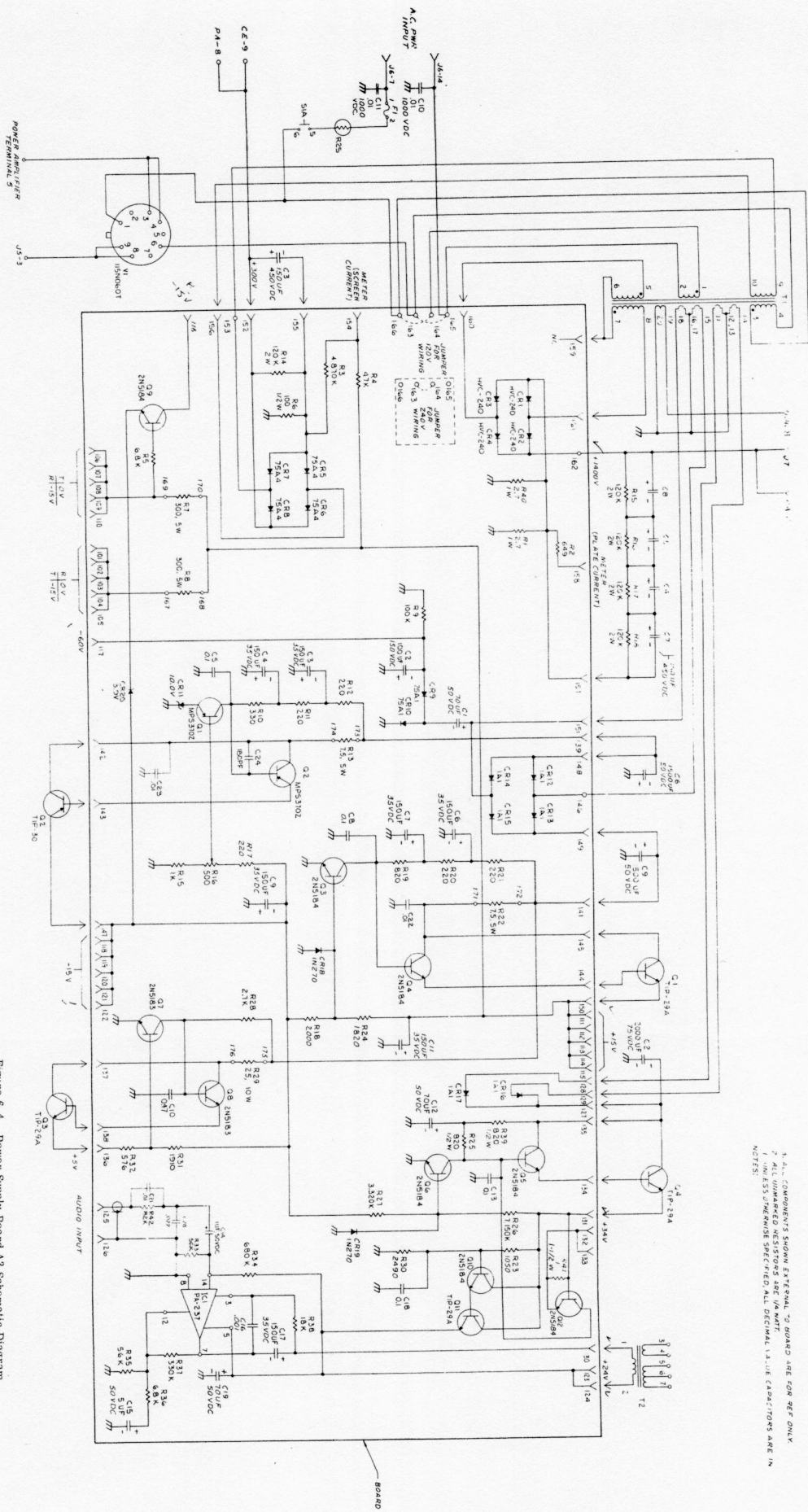
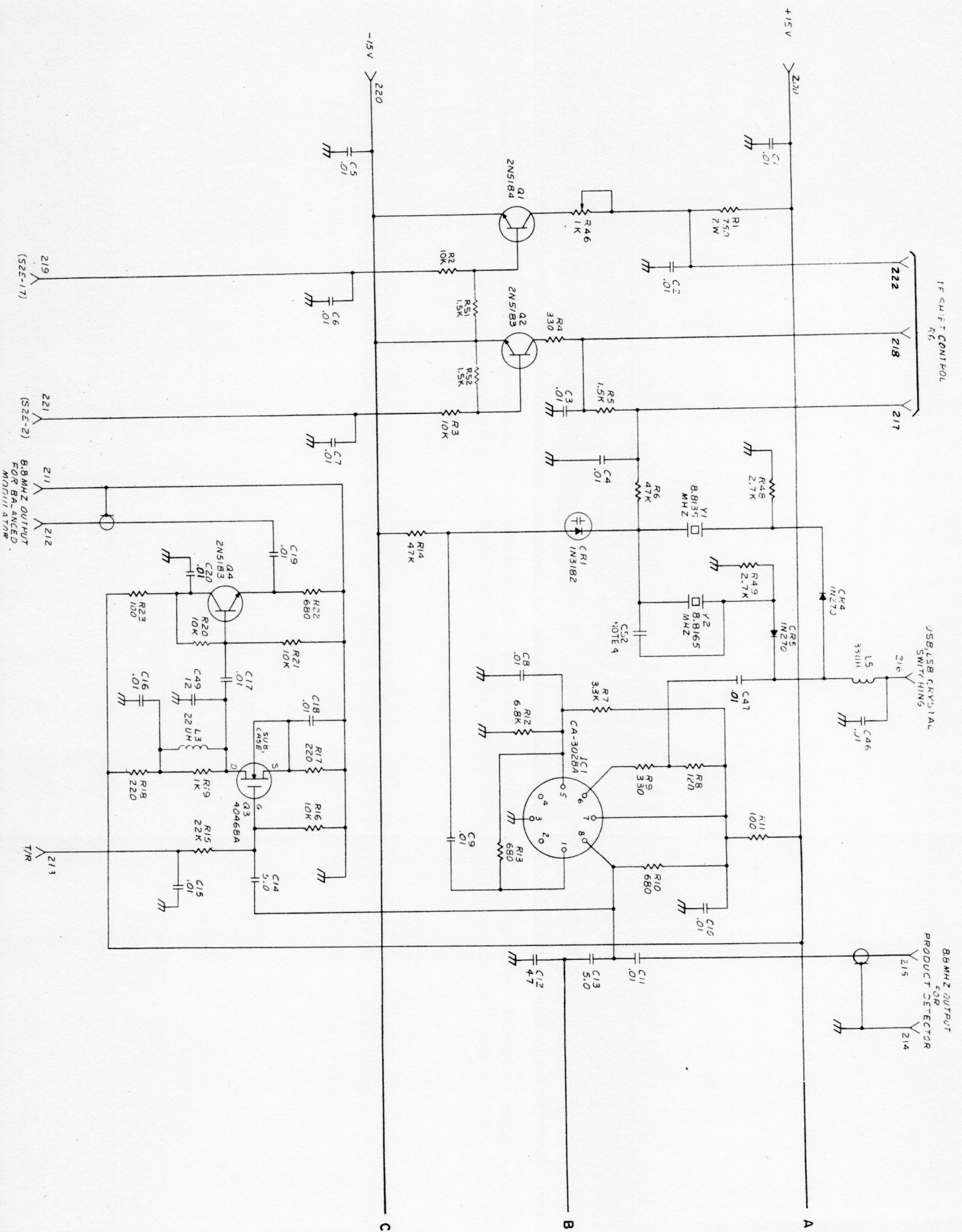
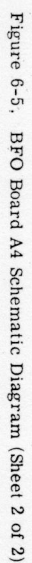
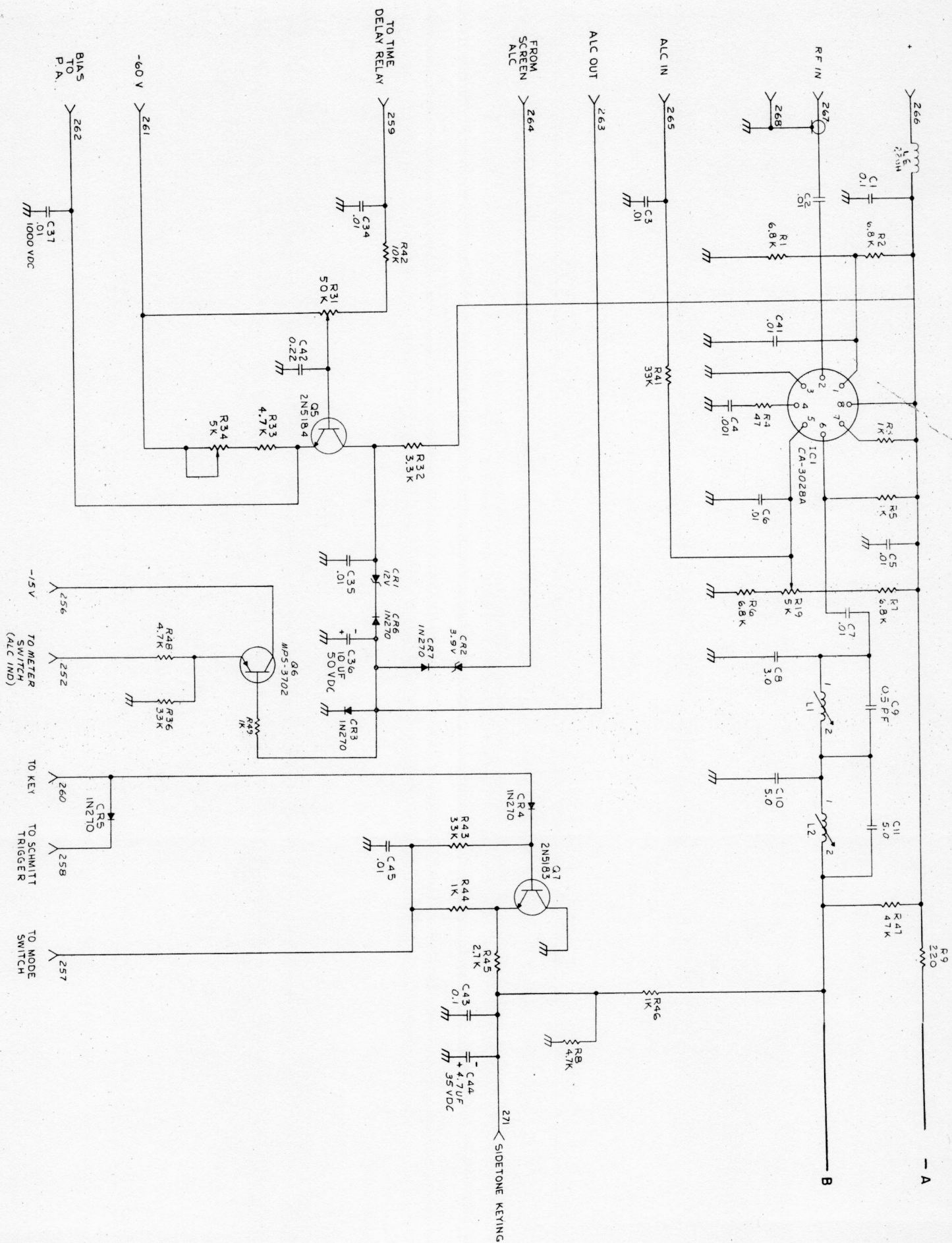


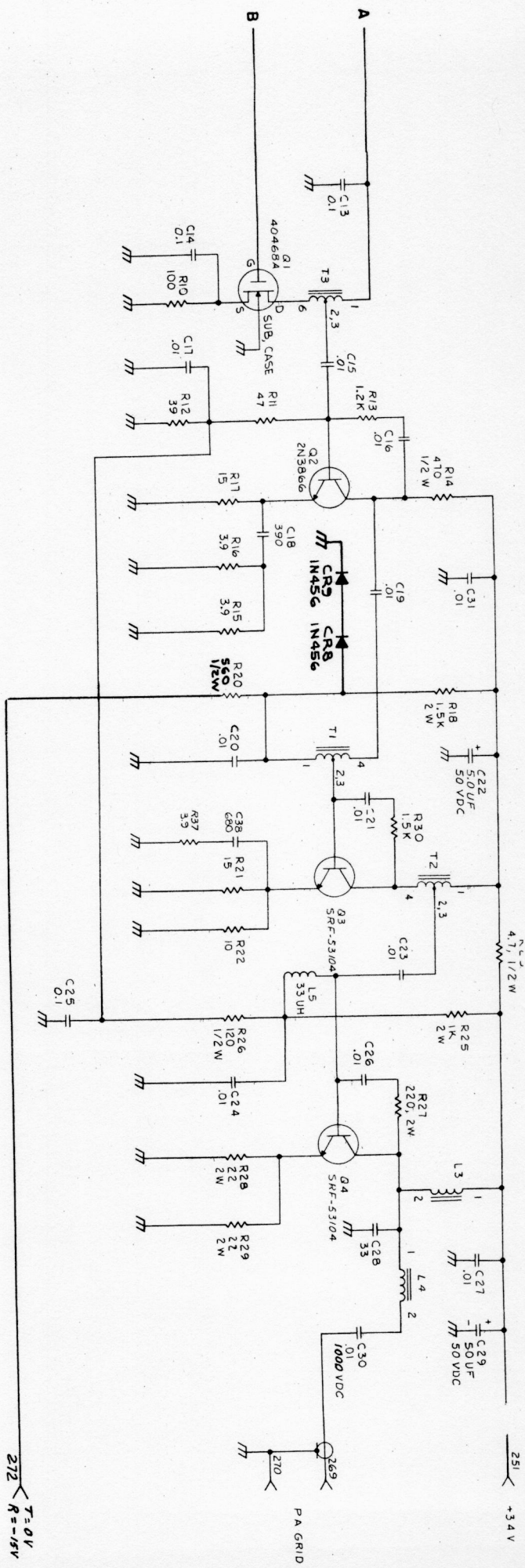
Figure 6-4. Power Supply Board A3 Schematic Diagram

1. ALL COMPONENTS SHOWN EXTERNAL TO BOARD ARE FOR REF ONLY
2. ALL UNMARKED RESISTORS ARE IN MΩ
3. ALL CAPACITORS ARE IN μF
4. ALL DIMENSIONS ARE IN INCHES





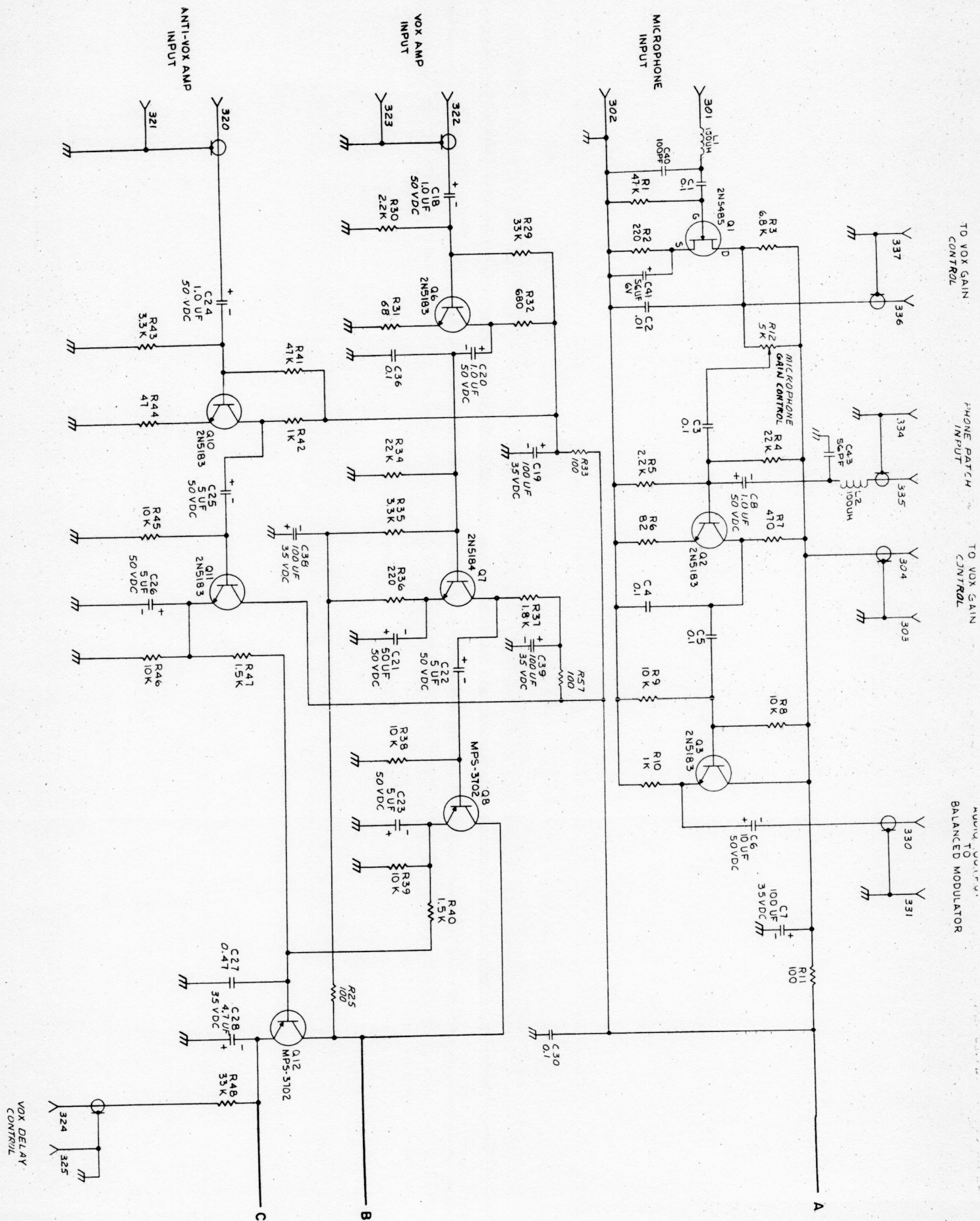


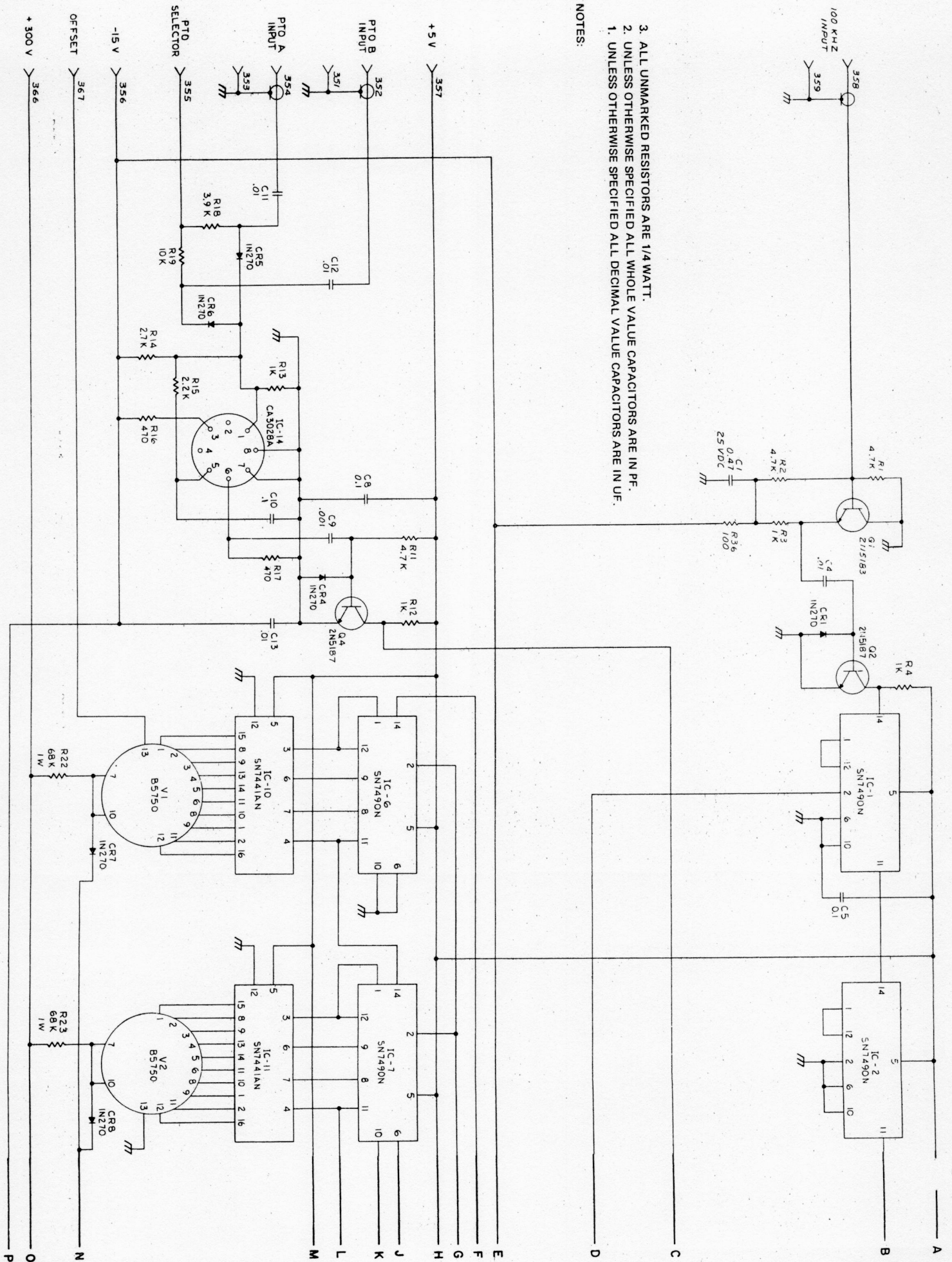


4. Q5 AND Q6, SHOWN FOR REFERENCE ONLY ARE MOUNTED ON CHASSIS. LEADS CONNECT TO TERMINALS ON BOARD.
 3. ALL UNMARKED RESISTORS ARE 1/4 WATT.
 2. UNLESS OTHERWISE SPECIFIED, ALL WHOLE VALUE CAPACITORS ARE IN PF.
 1. UNLESS OTHERWISE SPECIFIED, ALL DECIMAL VALUE CAPACITORS ARE IN UF.

NOTES:

Figure 6-6. RF Driver Board A5 Schematic Diagram (Sheet 2 of 2)





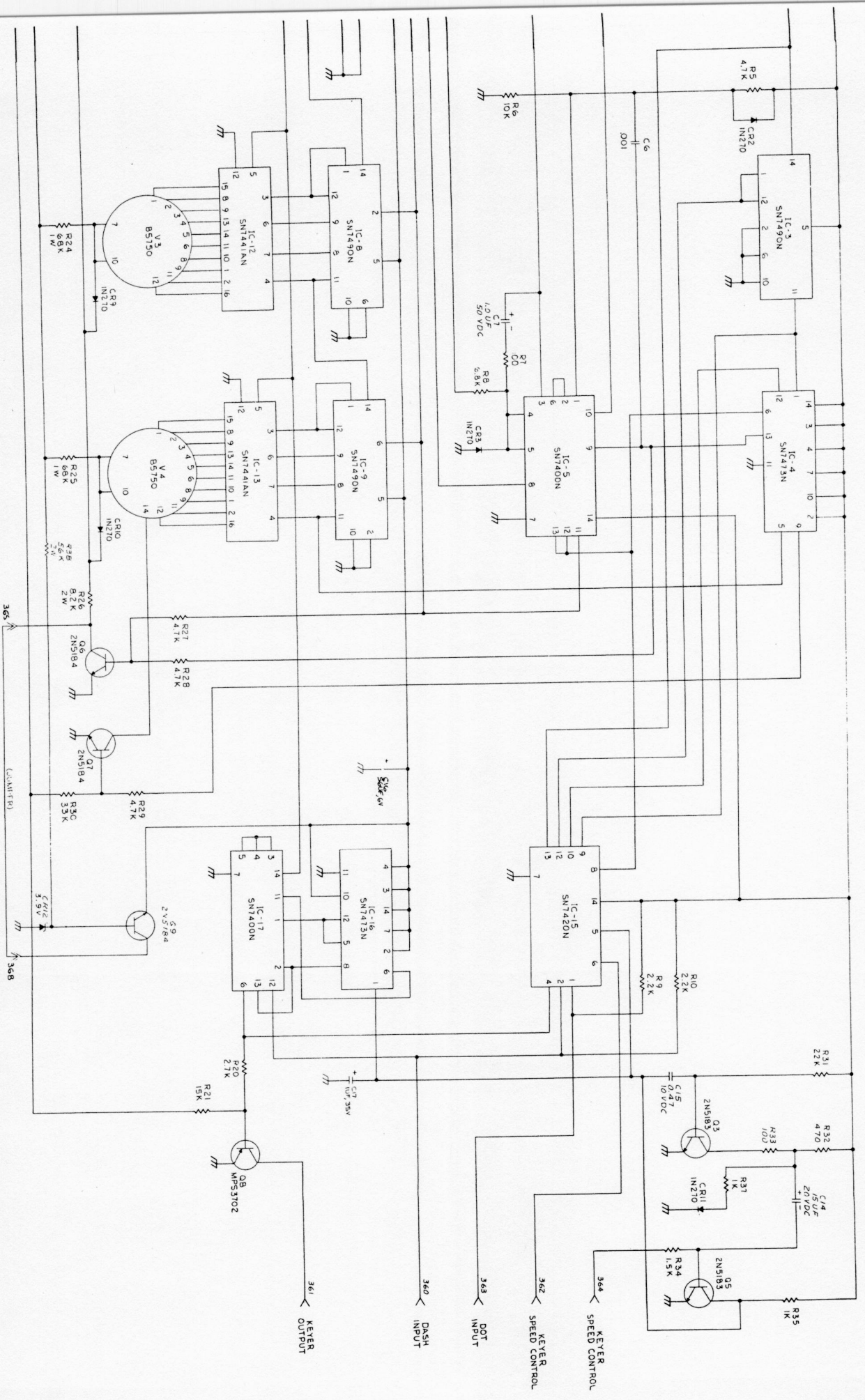


Figure 6-8. Counter Board A7 Schematic Diagram (Sheet 2 of 2)

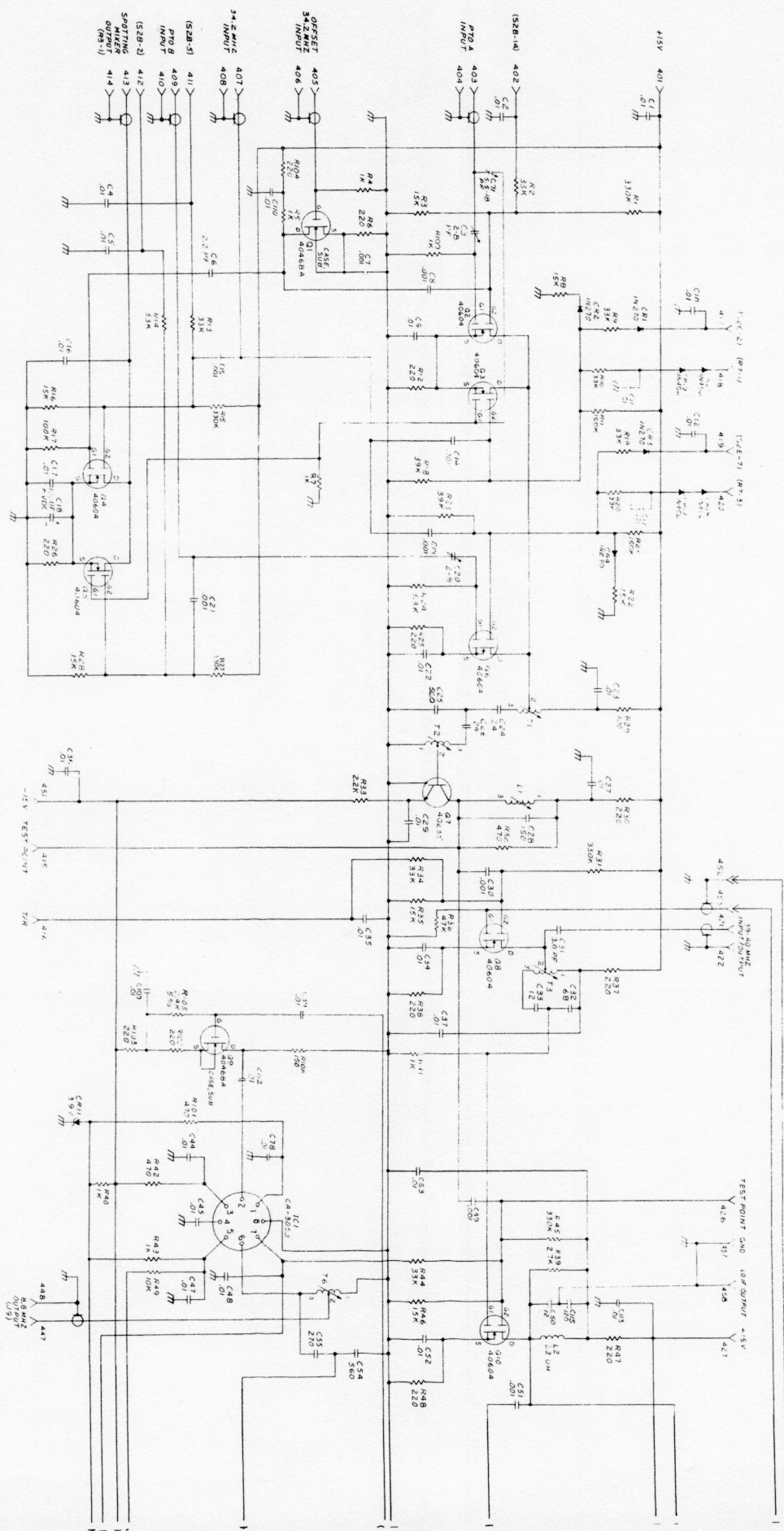
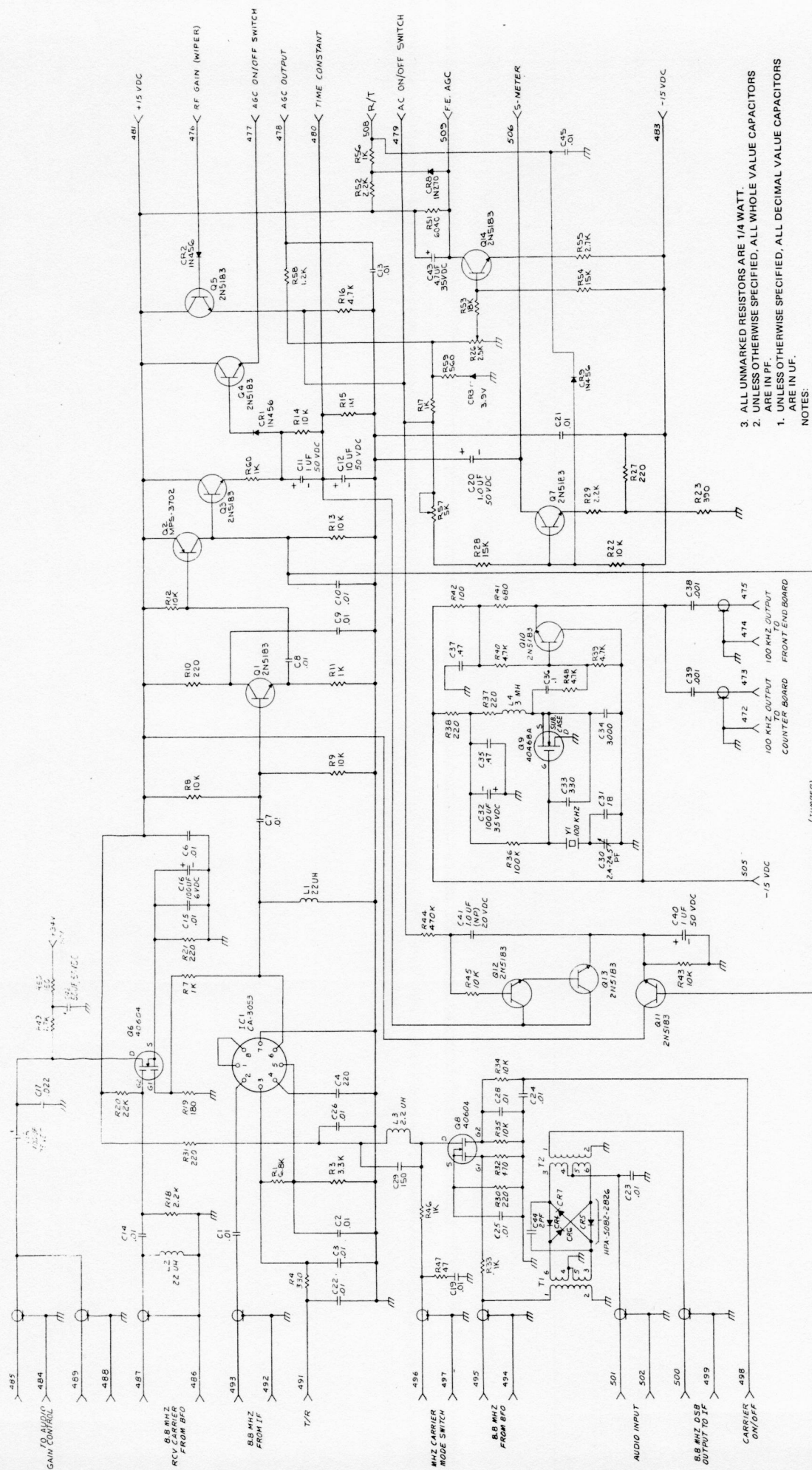
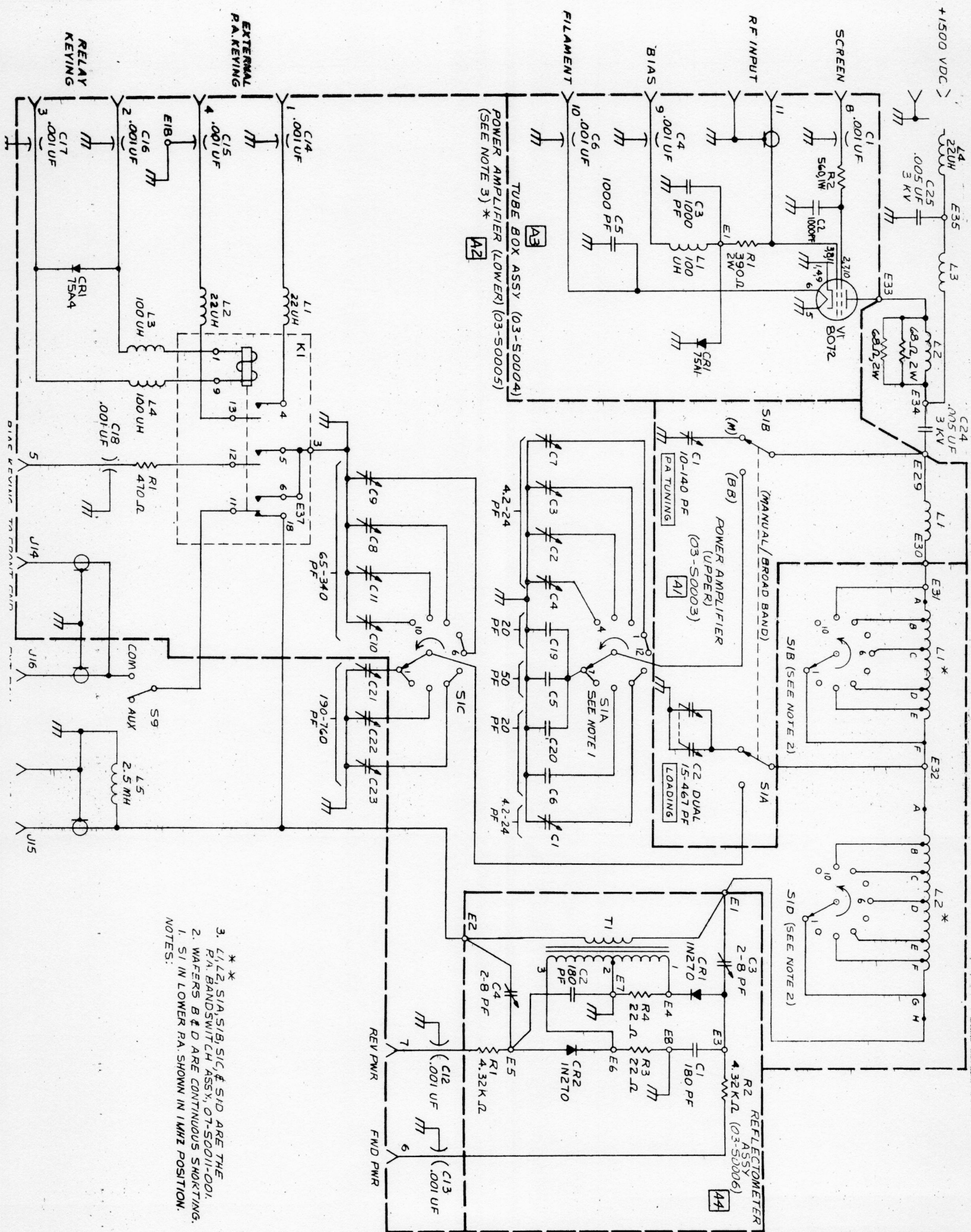


Figure 6-9. IF Board A8 Schematic Diagram (Sheet 1 of 2)



- NOTES:
1. UNLESS OTHERWISE SPECIFIED, ALL DECIMAL VALUE CAPACITORS ARE IN UF.
 2. UNLESS OTHERWISE SPECIFIED, ALL WHOLE VALUE CAPACITORS ARE IN PF.
 3. ALL UNMARKED RESISTORS ARE 1/4 WATT.

Figure 6-10. AGC Detector Board A9 Schematic Diagram



3. L1, L2, S1A, S1B, S1C & S1D ARE THE P.A. BANDSWITCH ASSY, 03-50011-001.
 2. WAFERS B & D ARE CONTINUOUS SMOKING.
 1. S1 IN LOWER P.A. SHOWN IN 1MHZ POSITION.

NOTES: