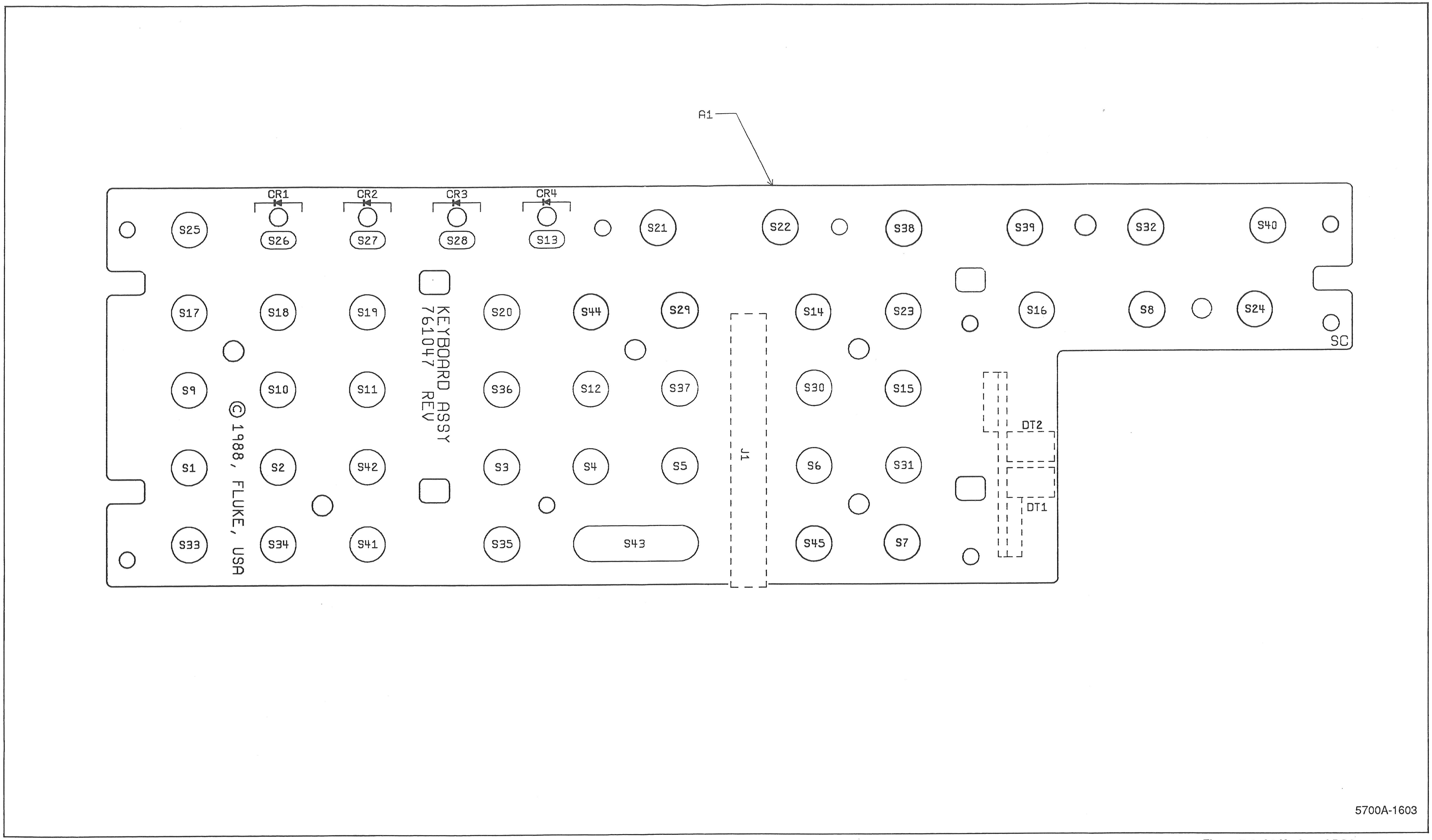

Figure 7-1. A1 Keyboard PCA

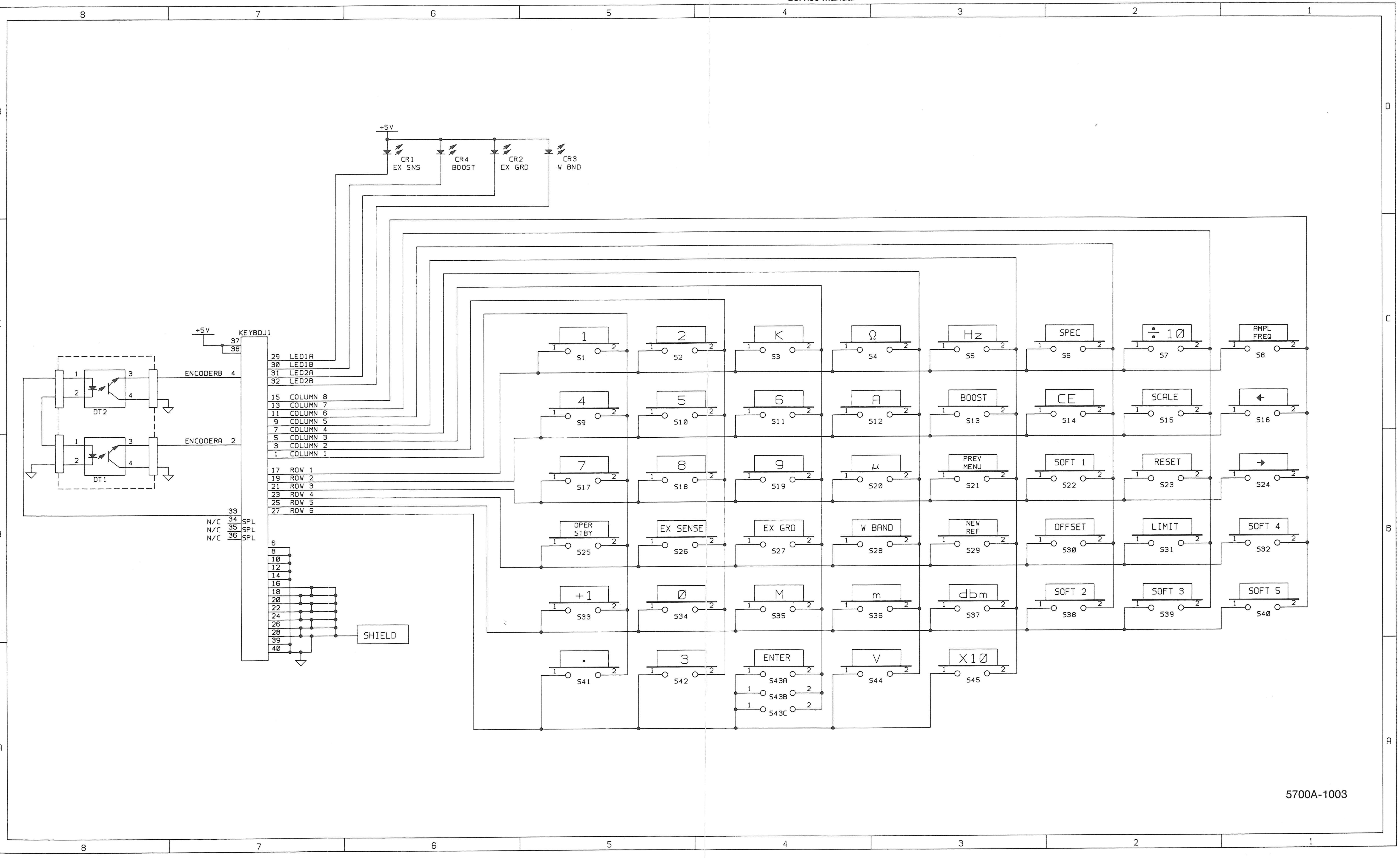

Figure 7-1. A1 Keyboard PCA (cont)

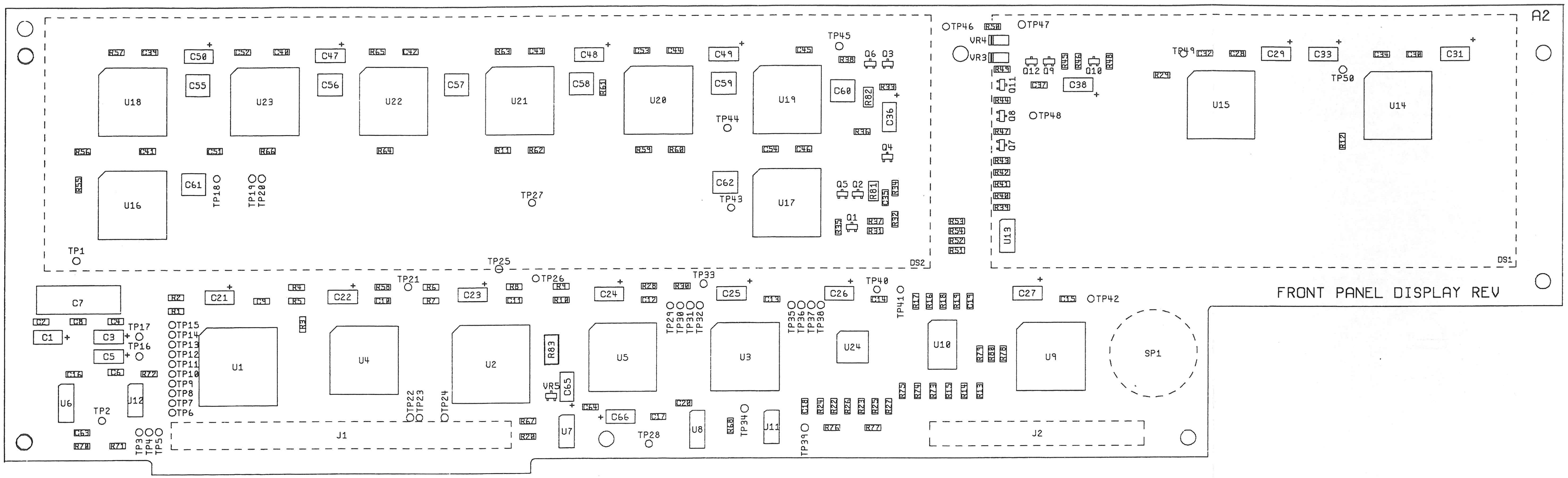

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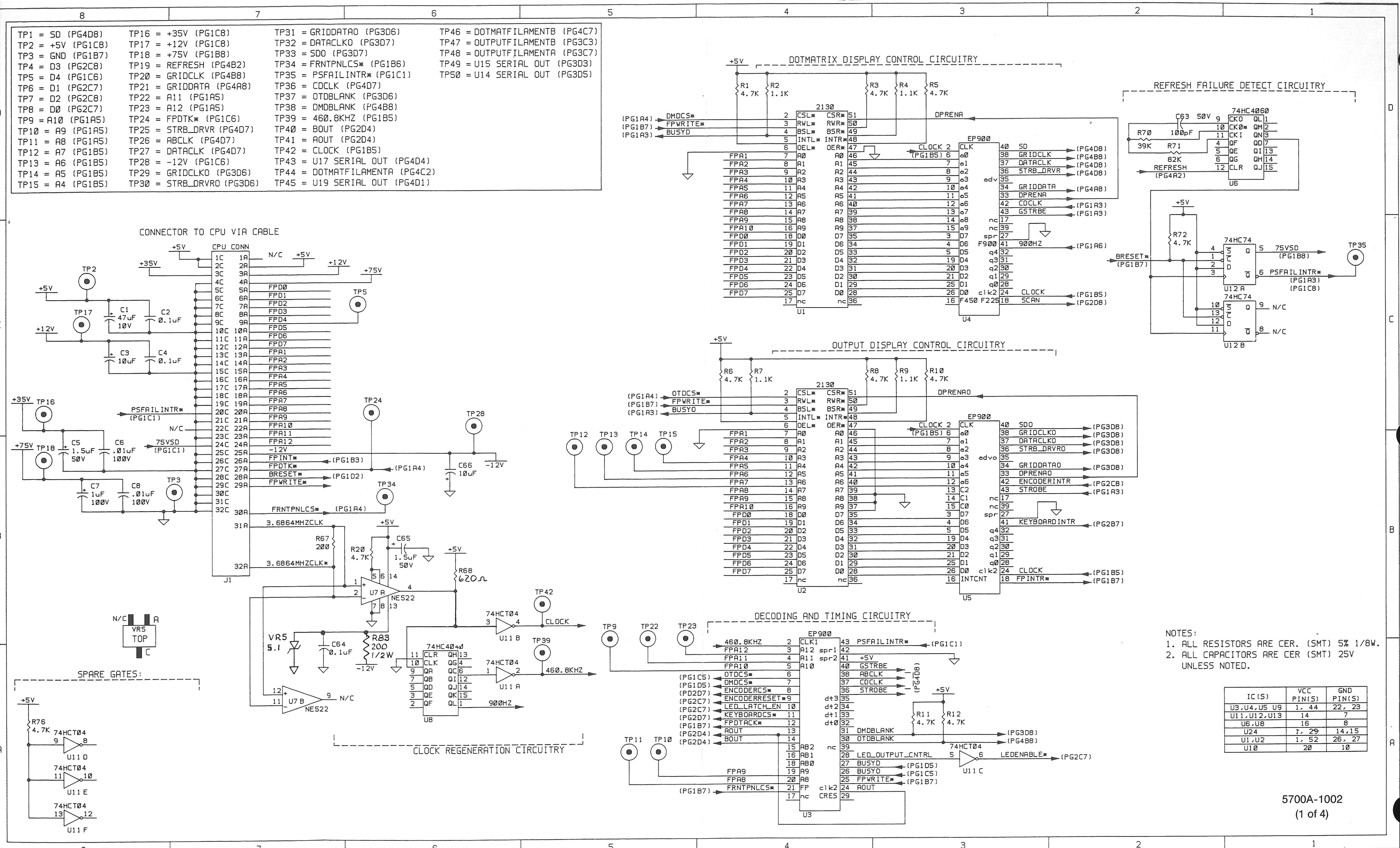
Figure 7-2. A2 Front Panel PCA

TP1 = SD (PG4D8)
TP2 = +5V (PG1C8)
TP3 = GND (PG1B7)
TP4 = D3 (PG2C8)
TP5 = D4 (PG1C6)
TP6 = D1 (PG2C7)
TP7 = D2 (PG2C8)
TP8 = DØ (PG2C7)
TP9 = A1Ø (PG1A5)
TP1Ø = A9 (PG1A5)
TP11 = A8 (PG1A5)
TP12 = A7 (PG1B5)
TP13 = A6 (PG1B5)
TP14 = A5 (PG1B5)
TP15 = A4 (PG1B5)
TP16 = +35V (PG1C8)
TP17 = +12V (PG1C8)
TP18 = +75V (PG1B8)
TP19 = REFRESH (PG4B2)
TP2Ø = GRIDCLK (PG4B8)
TP21 = GRIDDATA (PG4A8)
TP22 = A11 (PG1A5)
TP23 = A12 (PG1A5)
TP24 = FPDTK* (PG1C6)
TP25 = STRB_DRVR (PG4D7)
TP26 = ABCLK (PG4D7)
TP27 = DATACLK (PG4D7)
TP28 = -12V (PG1C6)
TP29 = GRIDCLKO (PG3D6)
TP3Ø = STRB_DRVRO (PG3D6)
TP31 = GRIDDATAO (PG3D6)
TP32 = DATACLKO (PG3D7)
TP33 = SDO (PG3D7)
TP34 = FRNTPNLCS* (PG1B6)
TP35 = PSFAILINTR* (PG1C1)
TP36 = CDCLK (PG4D7)
TP37 = OTDBLANK (PG3D6)
TP38 = DMDBLANK (PG4B8)
TP39 = 46Ø.8KHZ (PG1B5)
TP4Ø = BOUT (PG2D4)
TP41 = AOUT (PG2D4)
TP42 = CLOCK (PG1B5)
TP43 = U17 SERIAL OUT (PG4D4)
TP44 = DOTMATFILAMENTA (PG4C2)
TP45 = U19 SERIAL OUT (PG4D1)
TP46 = DOTMATFILAMENTB (PG4C7)
TP47 = OUTPUTFILAMENTB (PG3C3)
TP48 = OUTPUTFILAMENTA (PG3C7)
TP49 = U15 SERIAL OUT (PG3D3)
TP5Ø = U14 SERIAL OUT (PG3D5)



NOTES:
1. ALL RESISTORS ARE CER. (SMT) 5% 1/8W.
2. ALL CAPACITORS ARE CER (SMT) 25V UNLESS NOTED.

IC(S)	VCC PIN(S)	GND PIN(S)
U3,U4,U5 U9	1, 44	22, 23
U11,U12,U13	14	7
U6,U8	16	8
U24	1, 29	14,15
U1,U2	1, 52	26, 27
U1Ø	2Ø	1Ø

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Figure 7-2. A2 Front Panel PCA (cont)

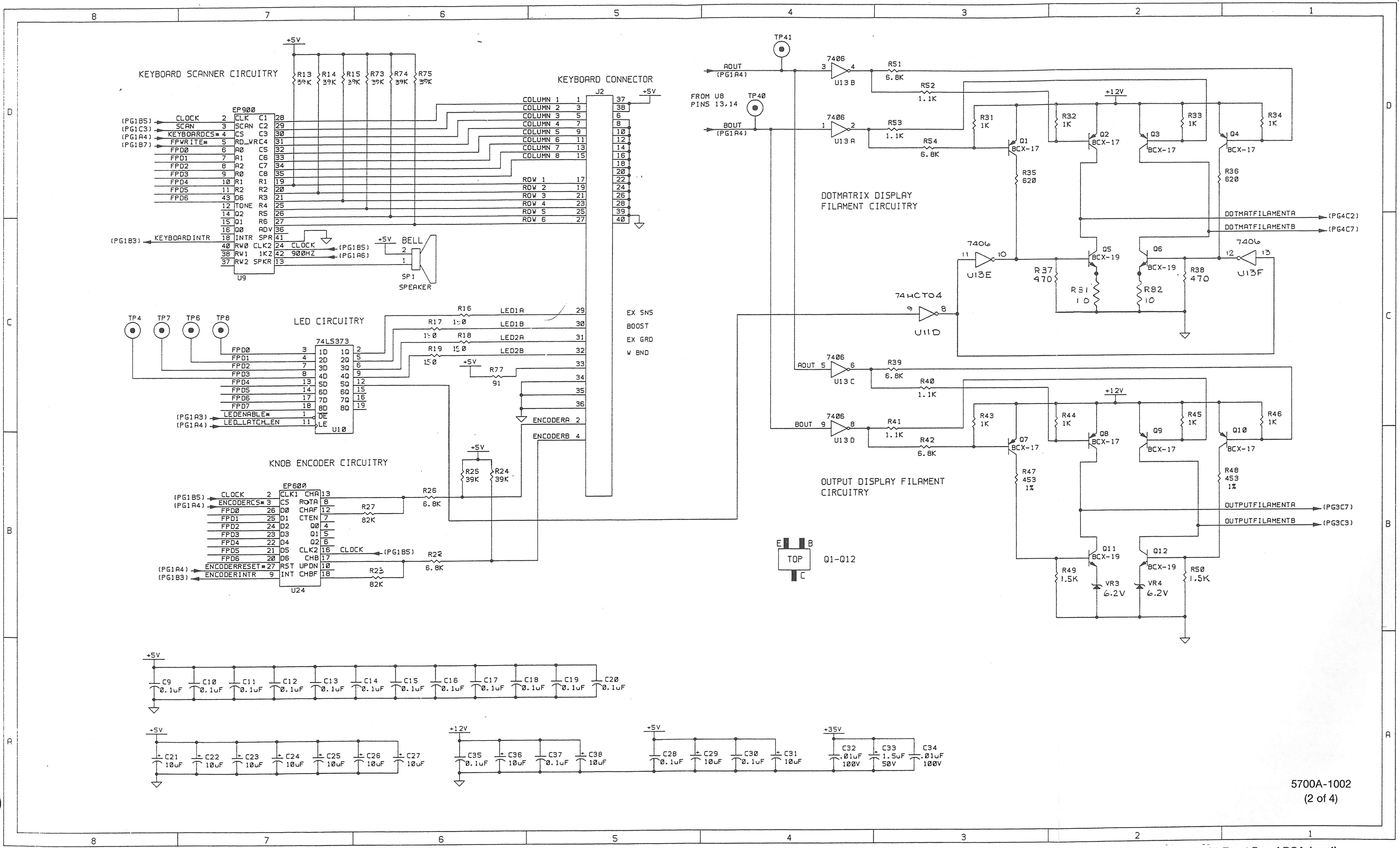


Figure 7-2. A2 Front Panel PCA (cont)

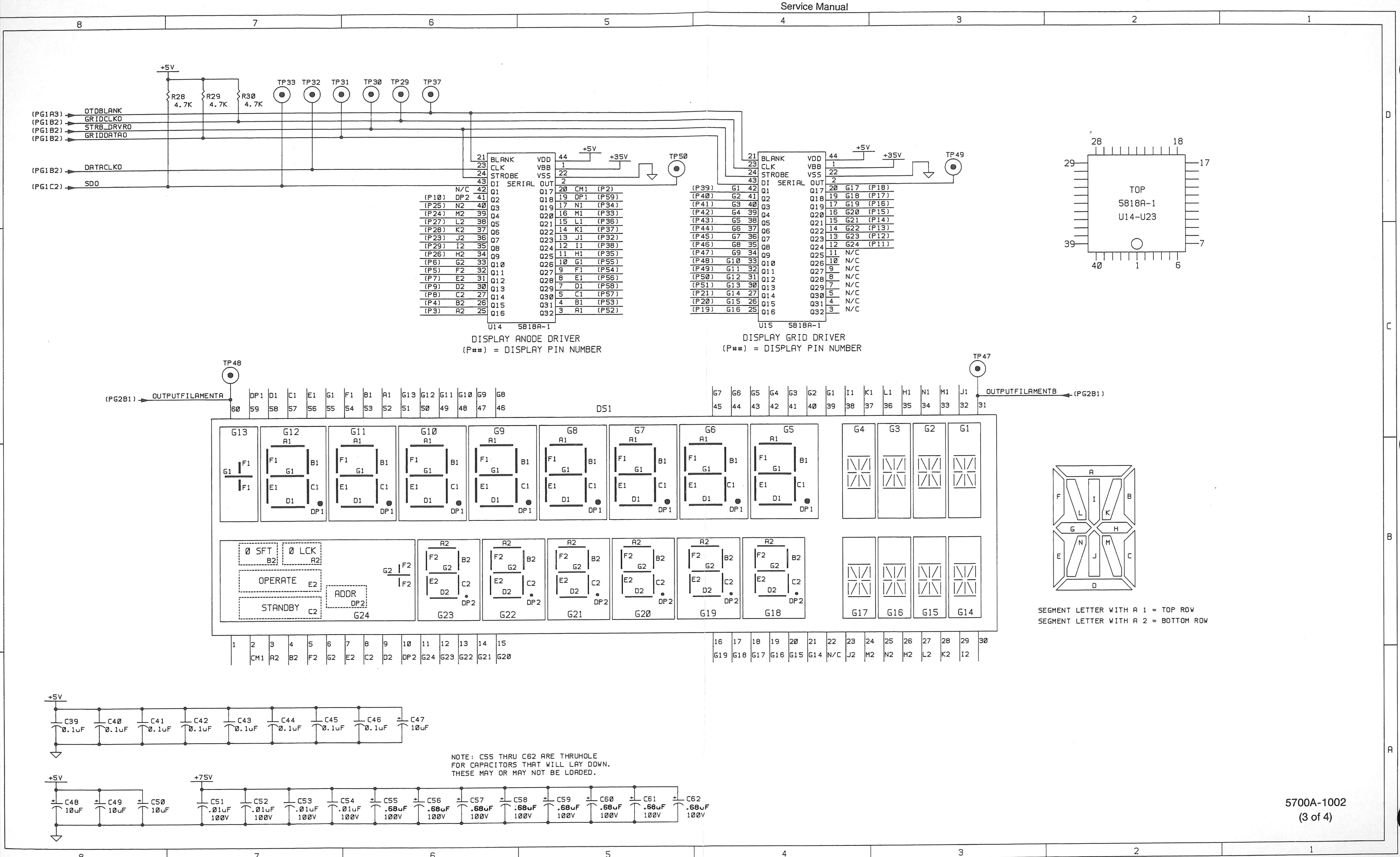


Figure 7-2. A2 Front Panel PCA (cont)

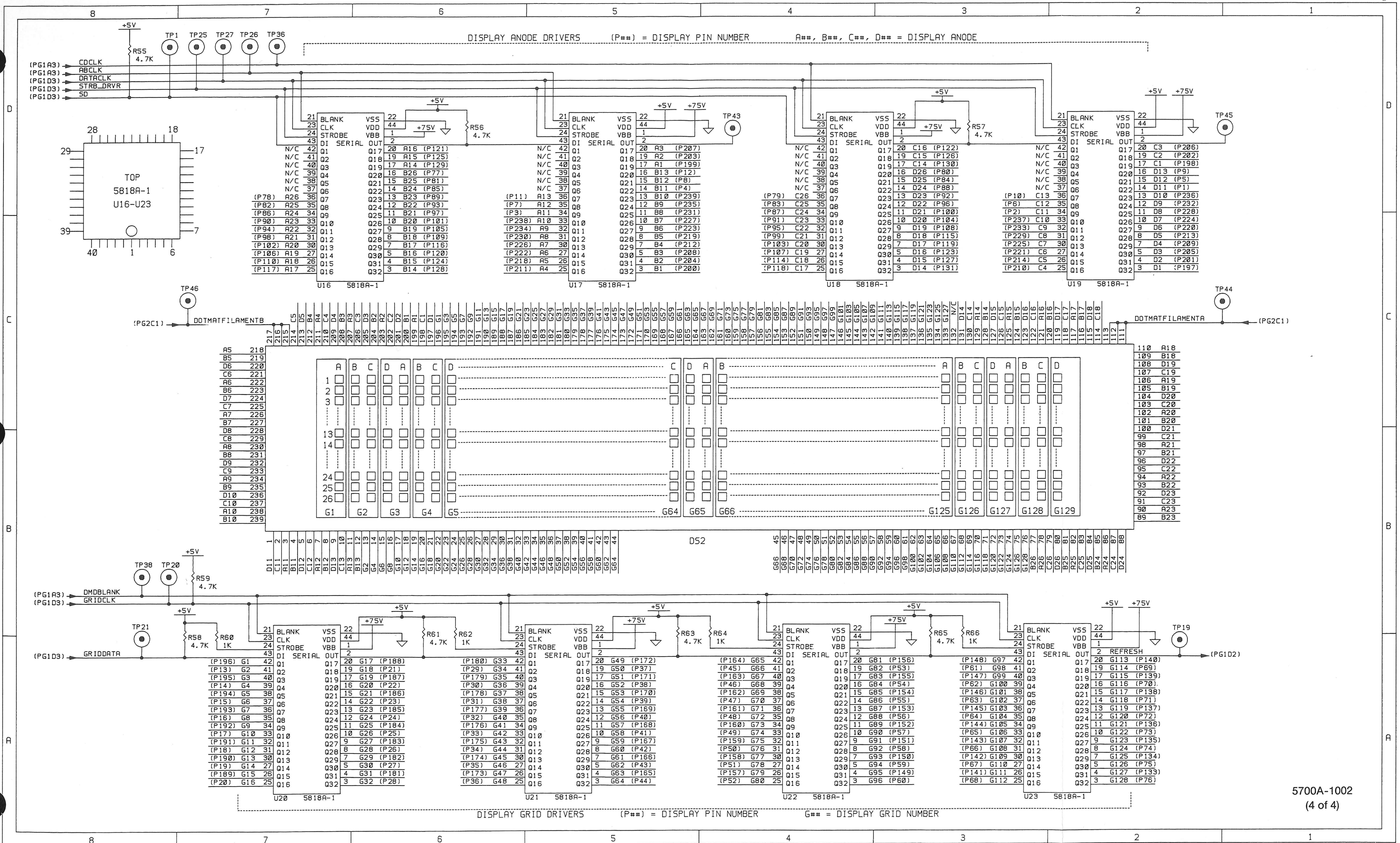


Figure 7-2. A2 Front Panel PCA (cont)

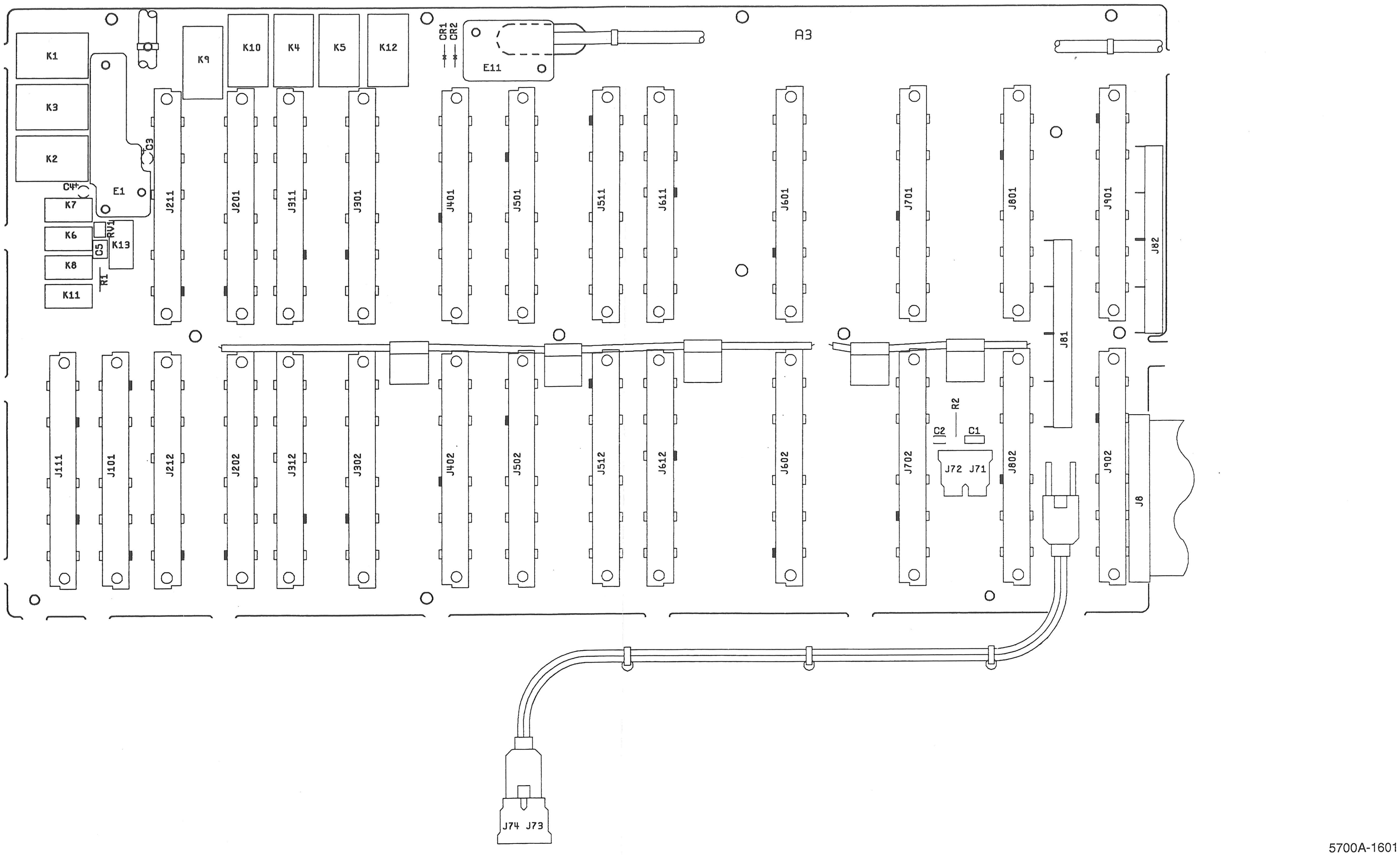


Figure 7-3. A3 Analog Motherboard PCA

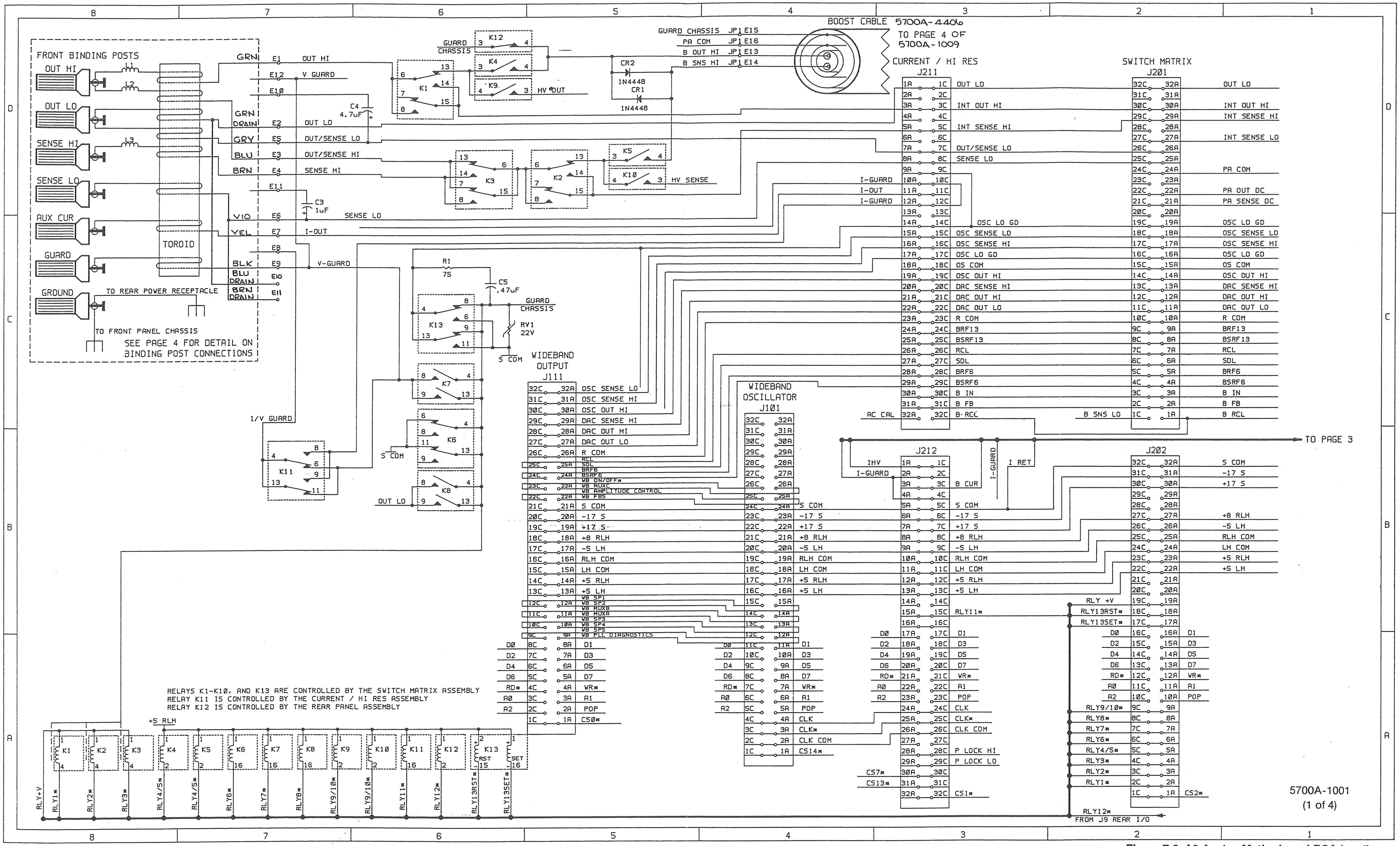


Figure 7-3. A3 Analog Motherboard PCA (cont)

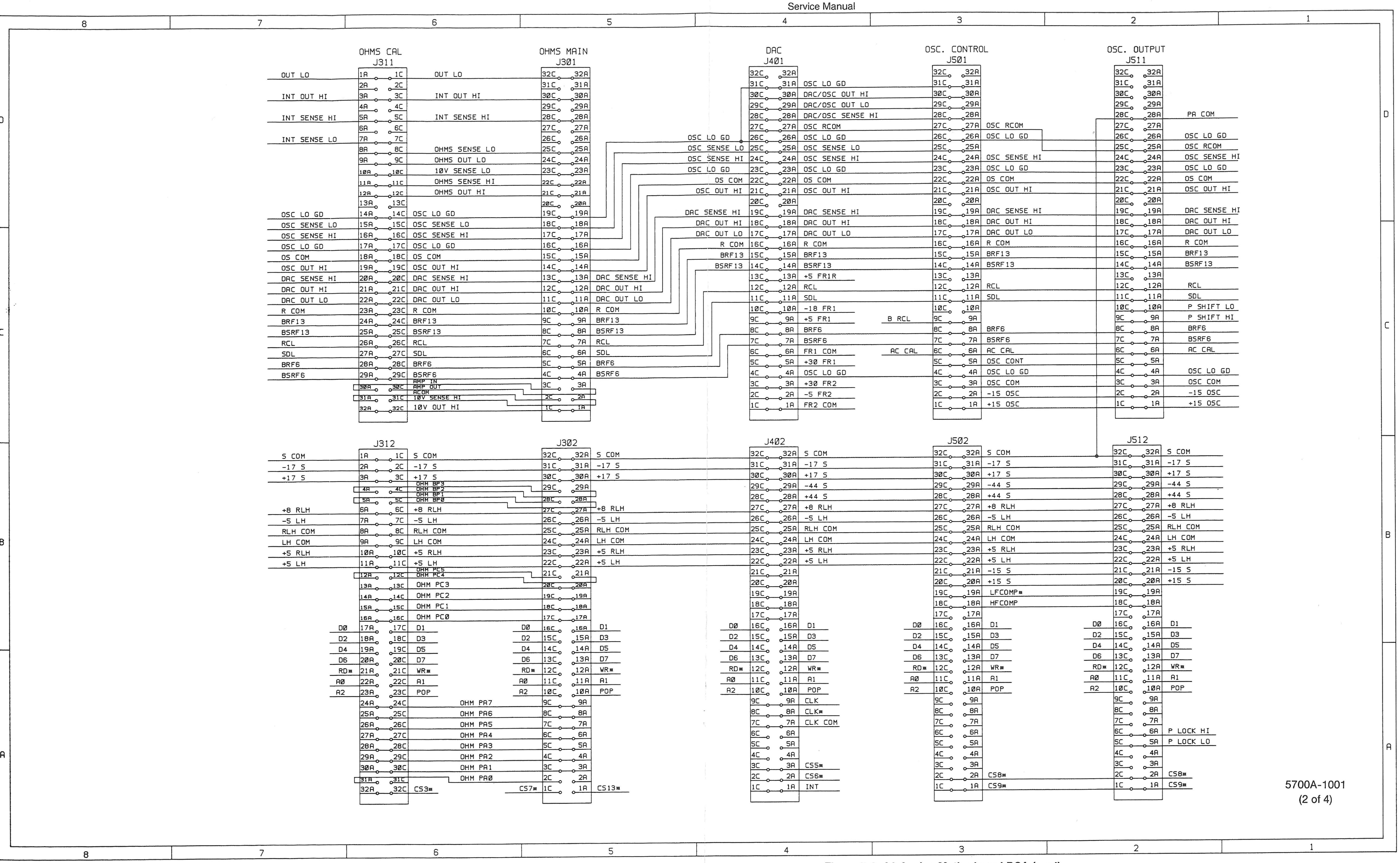


Figure 7-3. A3 Analog Motherboard PCA (cont)

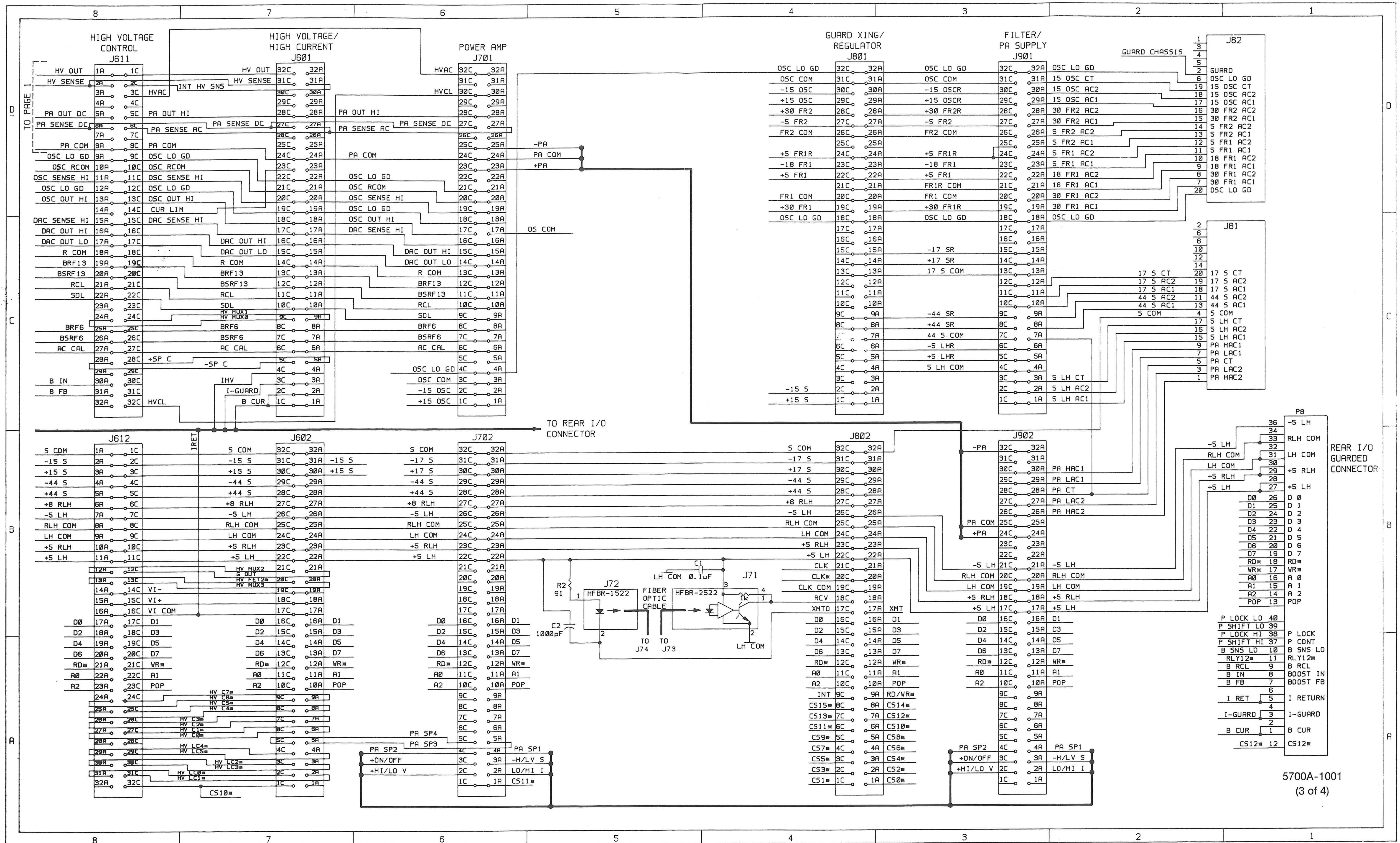


Figure 7-3. A3 Analog Motherboard PCA (cont)

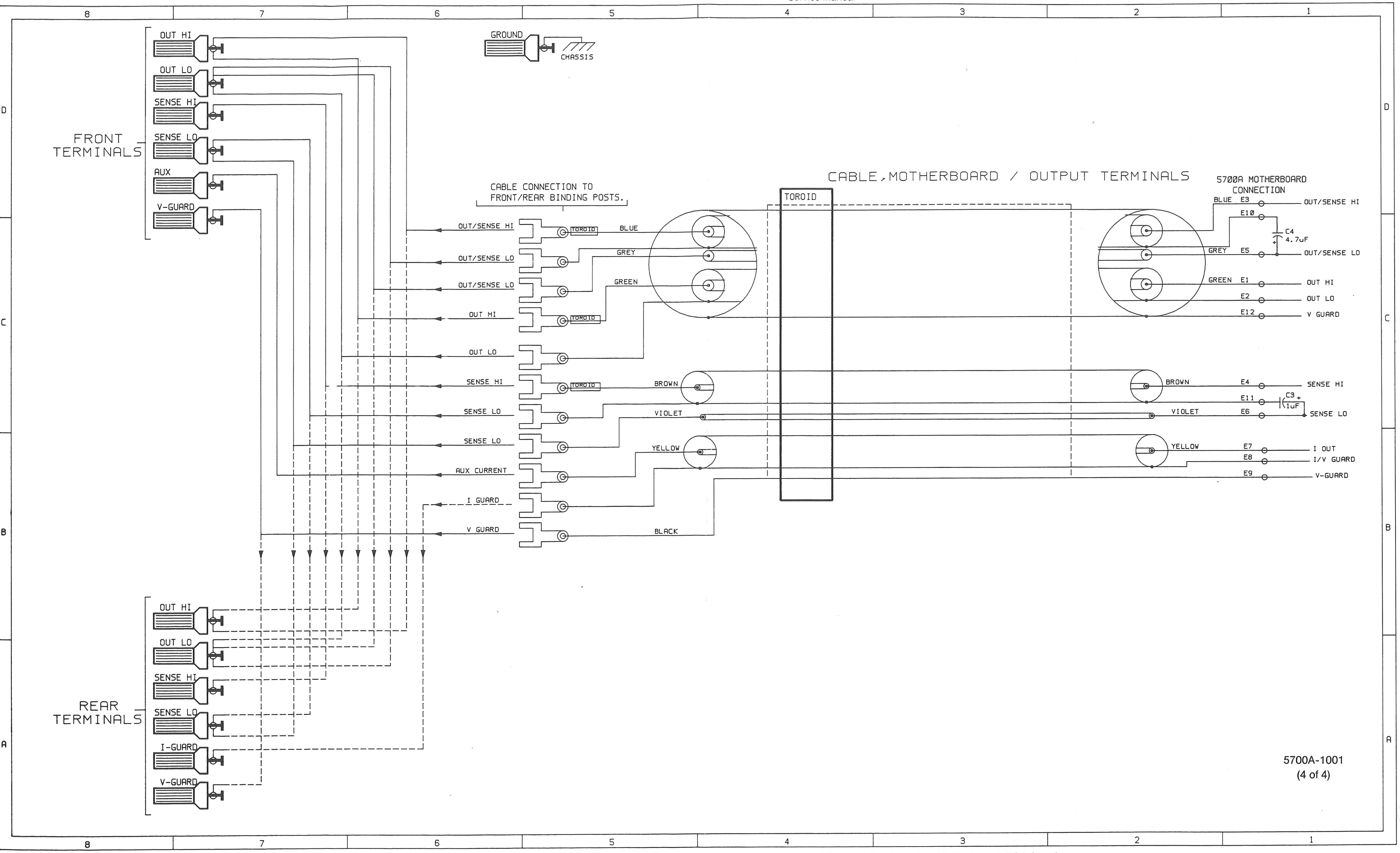


Figure 7-3. A3 Analog Motherboard PCA (cont)

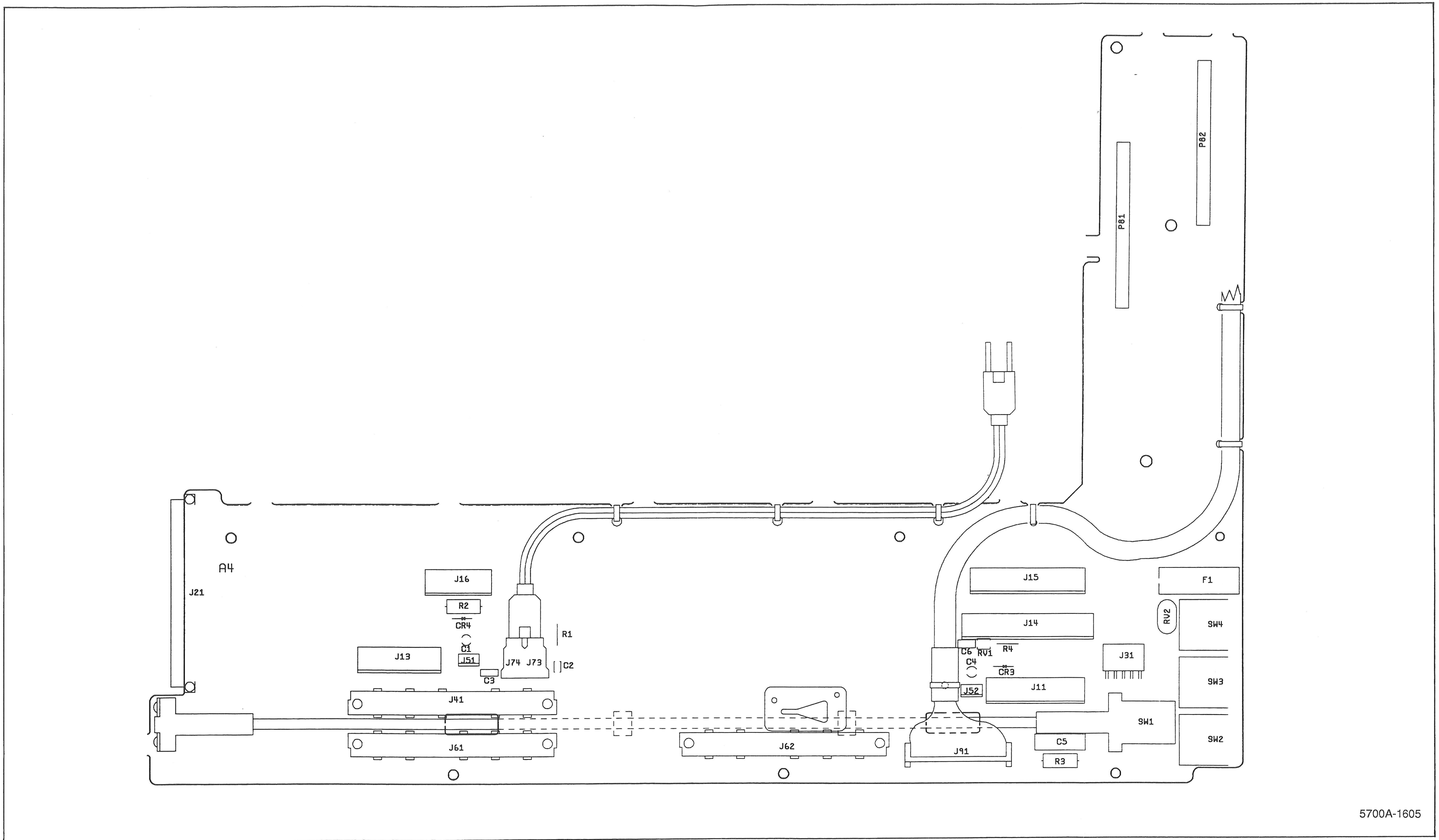
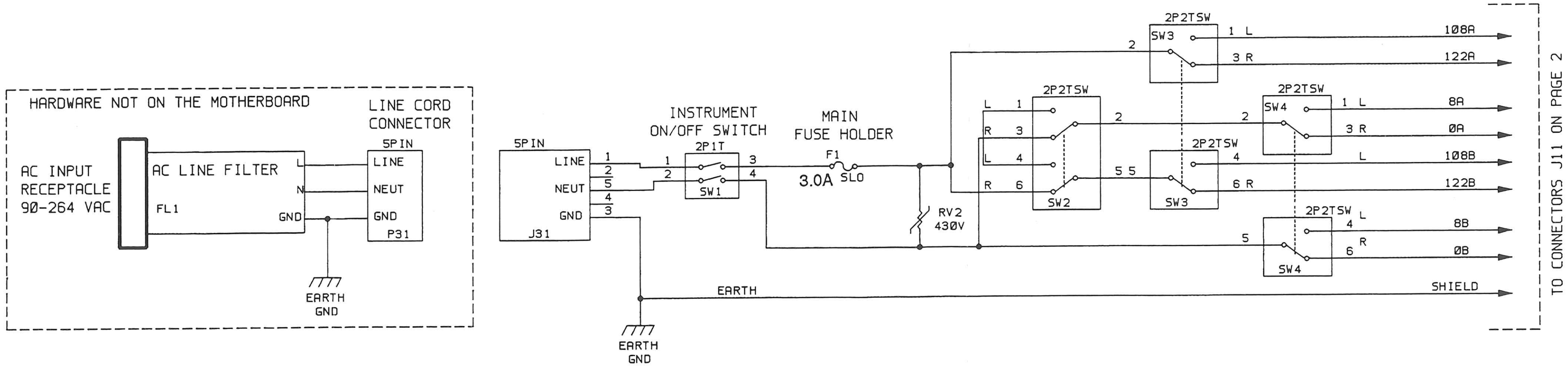


Figure 7-4. A4 Digital Motherboard PCA



LINE VOLTAGE	SW2	SW3	SW4
120	Ø	Ø	Ø
115	Ø	Ø	1
110	Ø	1	Ø
100	Ø	1	1
240	1	Ø	Ø
230	1	Ø	1
220	1	1	Ø
200	1	1	1

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Figure 7-4. A4 Digital Motherboard PCA (cont)

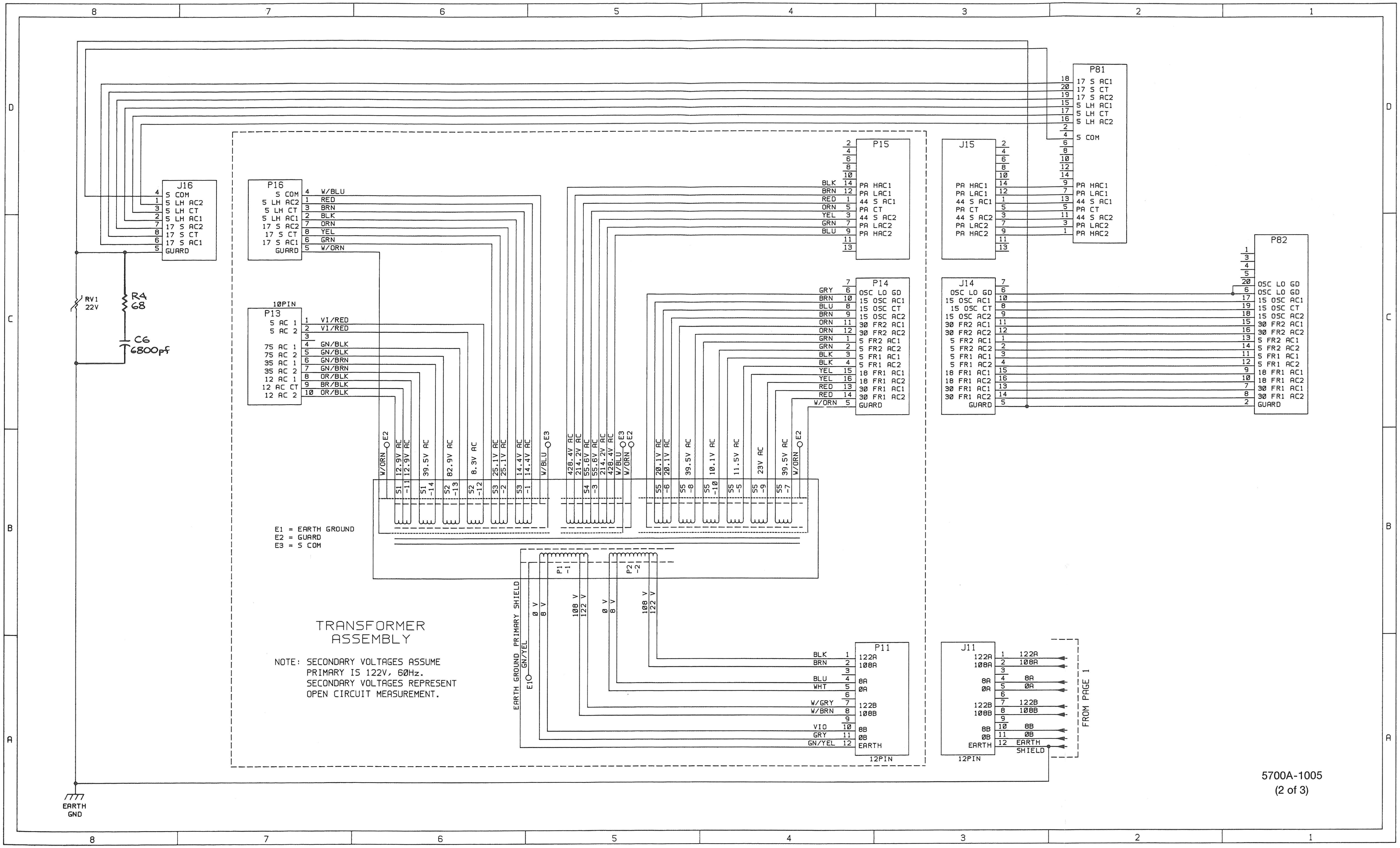

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Figure 7-4. A4 Digital Motherboard PCA (cont)

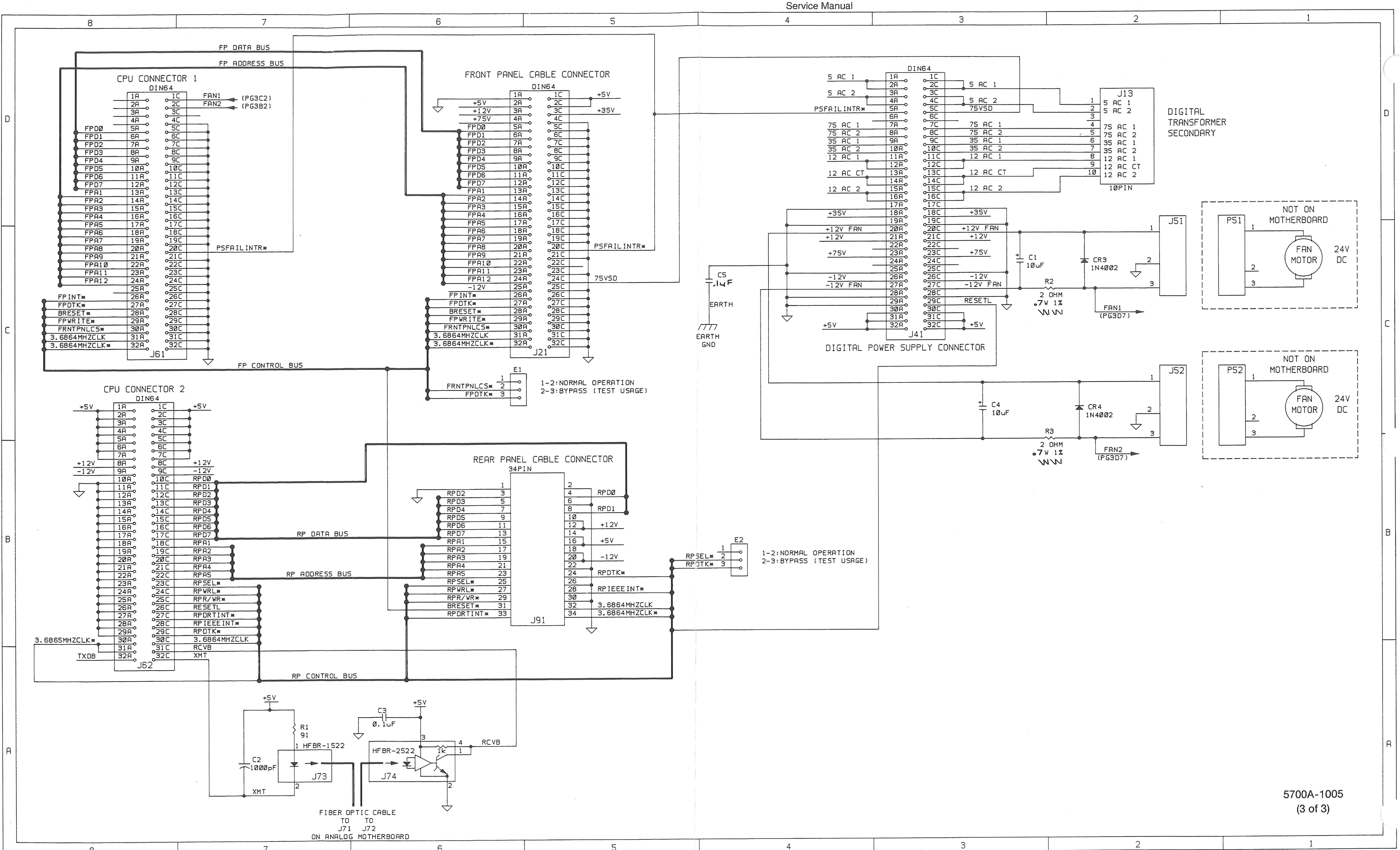

Figure 7-4. A4 Digital Motherboard PCA (cont)

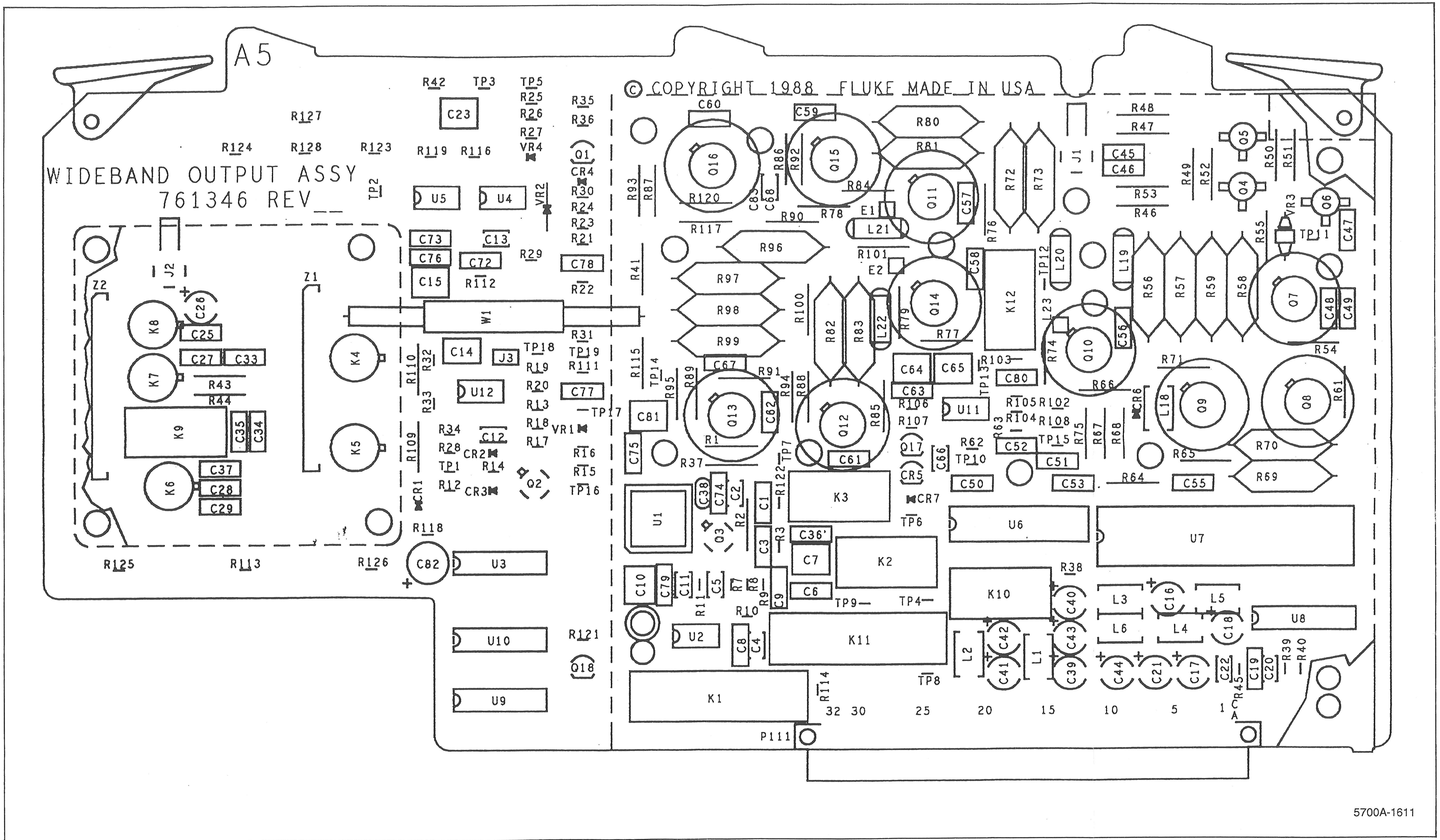

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Figure 7-5. A5 Wideband Output PCA (Option -03)

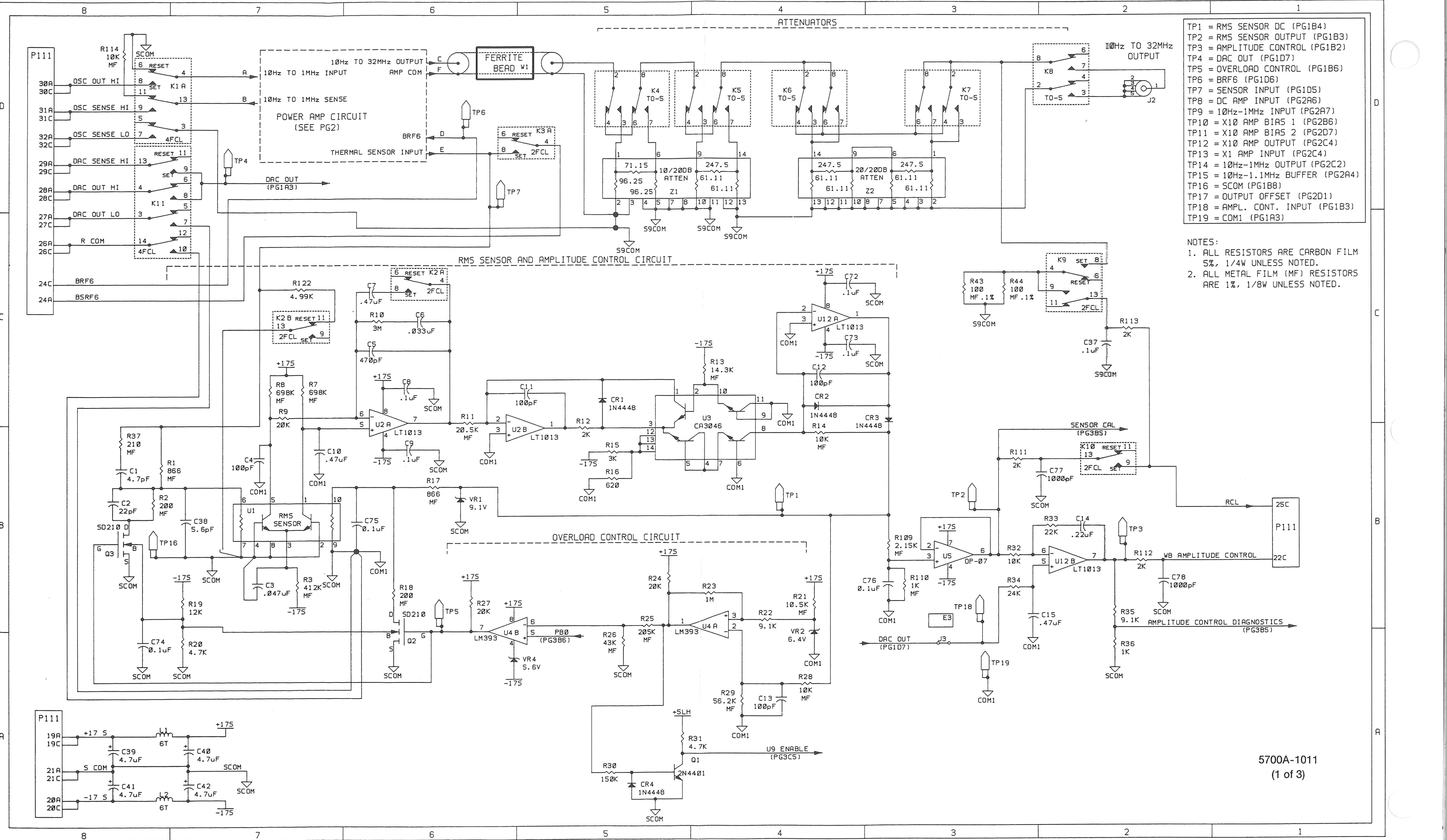


Figure 7-5. A5 Wideband Output PCA (Option -03) (cont)

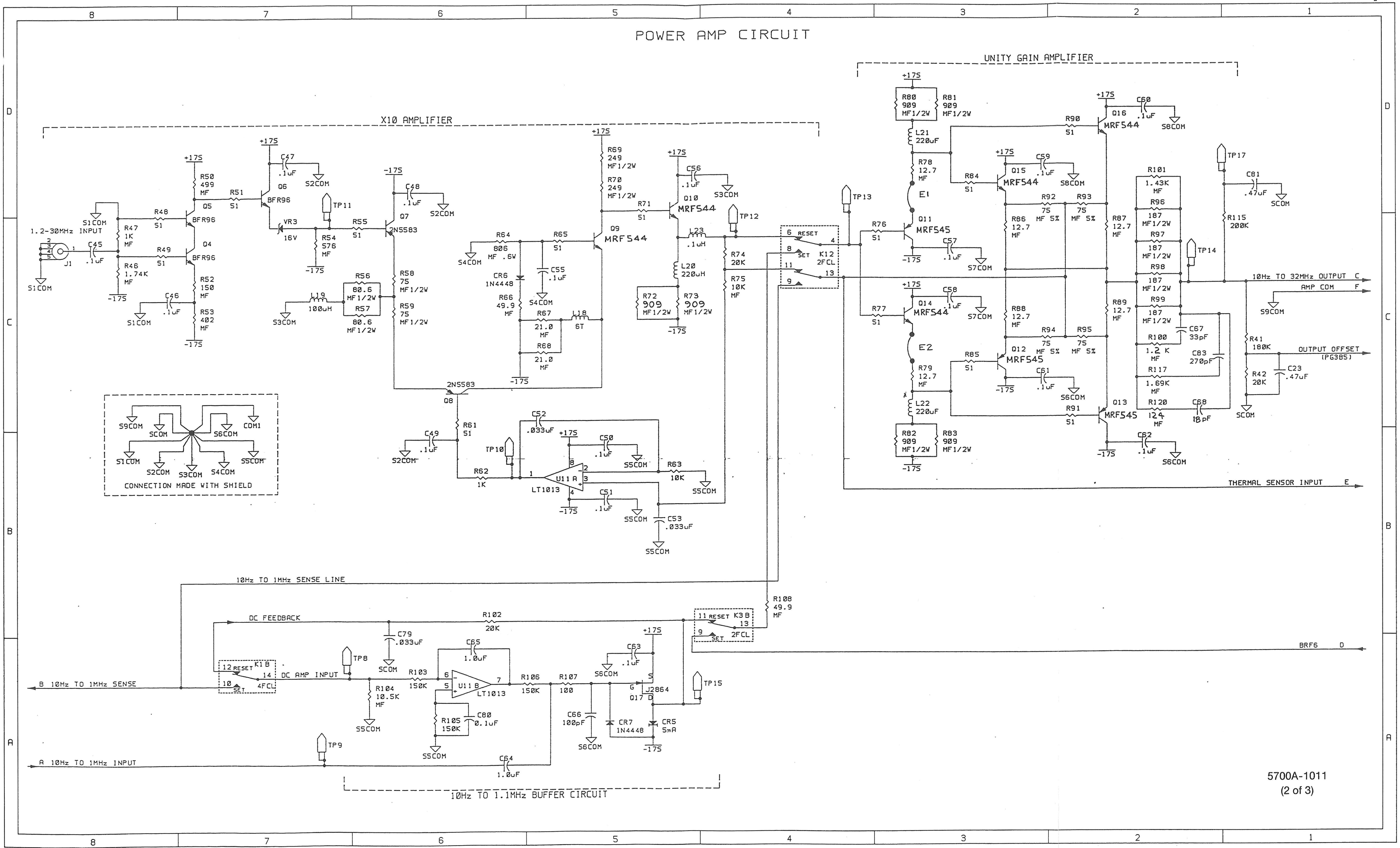
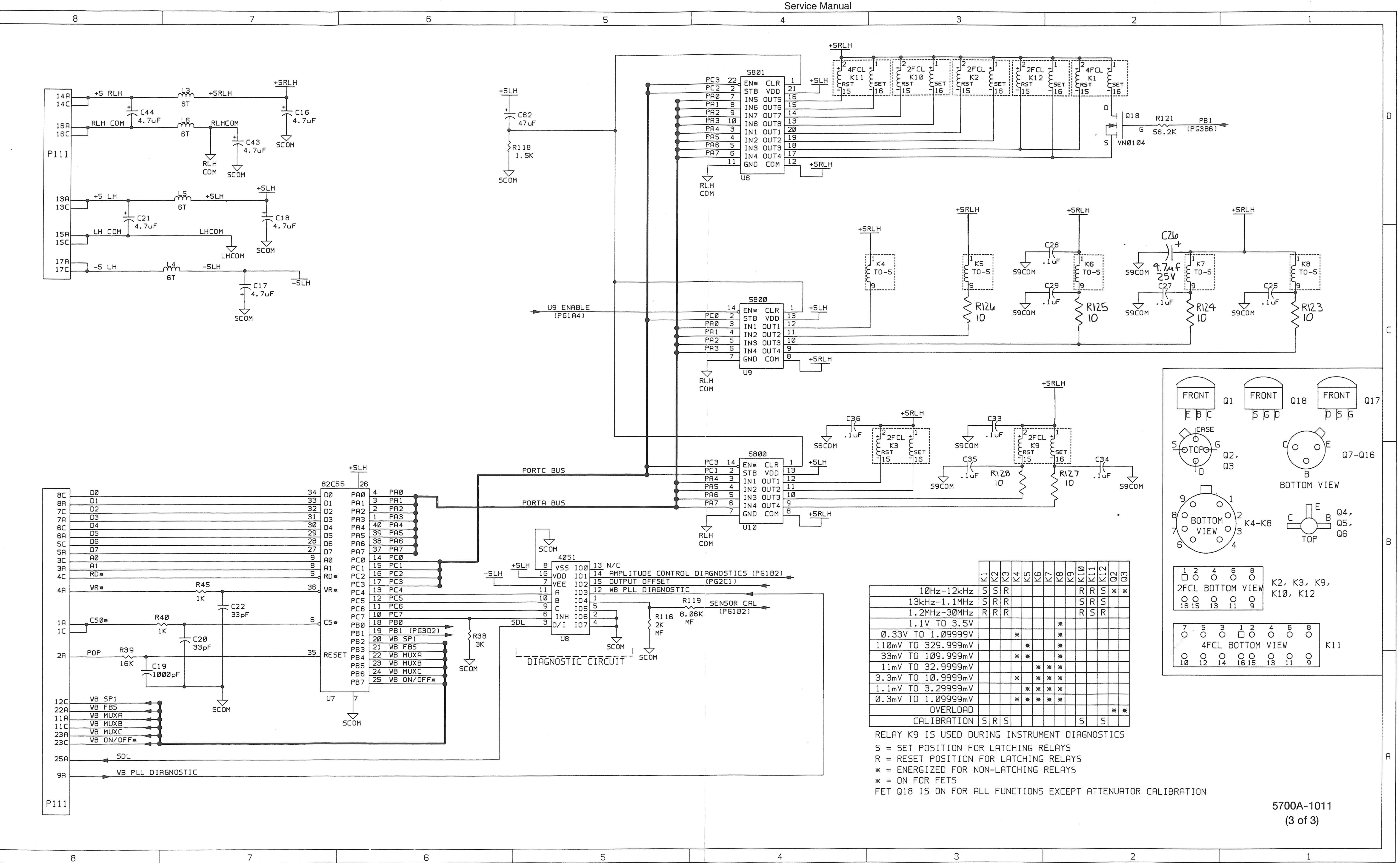


Figure 7-5. A5 Wideband Output PCA (Option -03) (cont)



	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12	Q2	Q3
10Hz-12kHz	S	S	R							R	R	S	*	*
13kHz-1.1MHz	S	R	R							S	R	S		
1.2MHz-30MHz	R	R	R							R	S	R		
1.1V TO 3.5V								*						
0.33V TO 1.09999V				*				*						
110mV TO 329.999mV					*			*						
33mV TO 109.999mV				*	*			*						
11mV TO 32.9999mV						*	*	*						
3.3mV TO 10.9999mV				*		*	*	*						
1.1mV TO 3.29999mV					*	*	*	*						
0.3mV TO 1.09999mV				*	*	*	*	*						
OVERLOAD													*	*
CALIBRATION	S	R	S							S		S		

RELAY K9 IS USED DURING INSTRUMENT DIAGNOSTICS
S = SET POSITION FOR LATCHING RELAYS
R = RESET POSITION FOR LATCHING RELAYS
* = ENERGIZED FOR NON-LATCHING RELAYS
* = ON FOR FETS
FET Q18 IS ON FOR ALL FUNCTIONS EXCEPT ATTENUATOR CALIBRATION

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Figure 7-5. A5 Wideband Output PCA (Option -03) (cont)

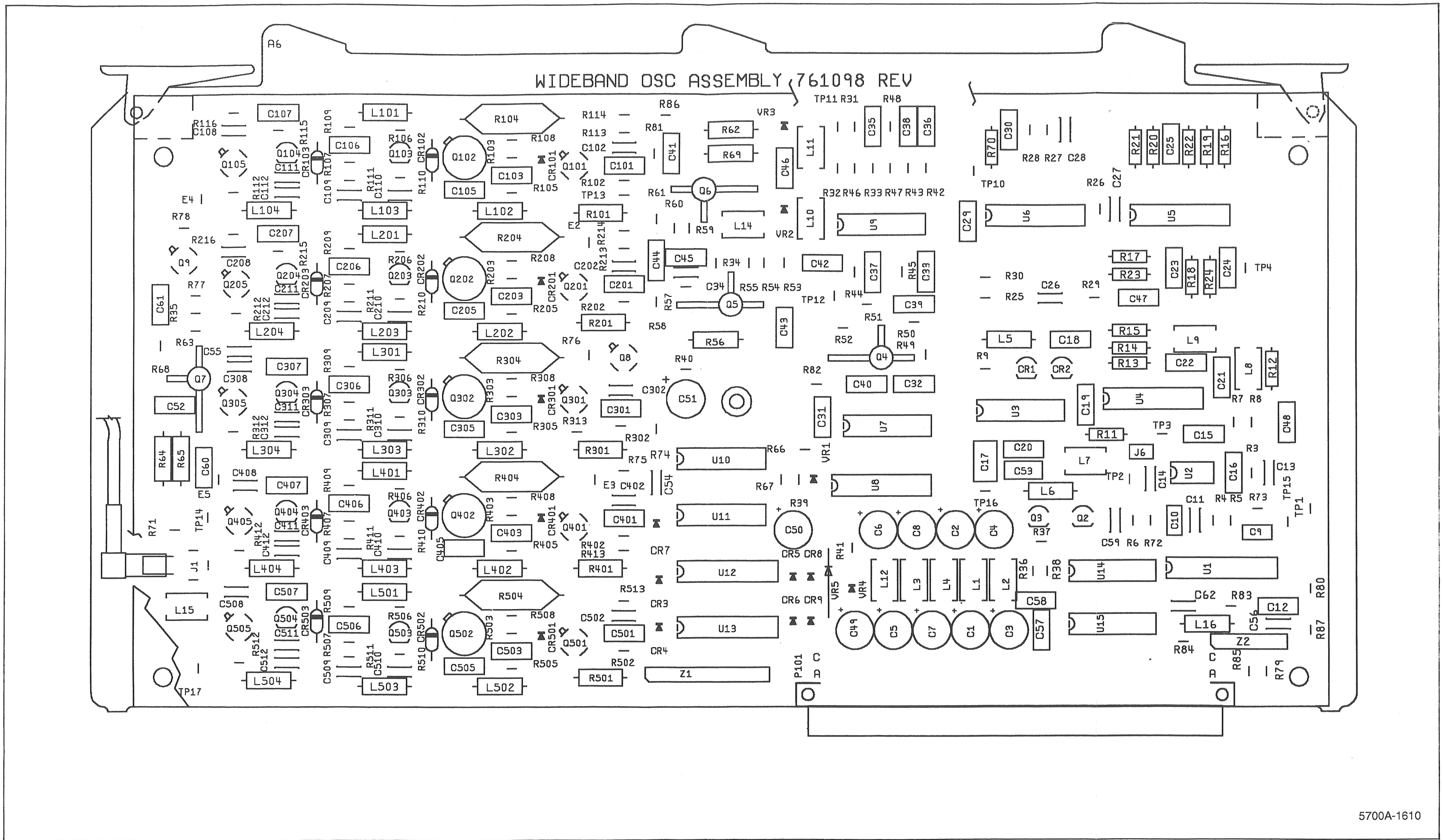

Figure 7-6. A6 Wideband Oscillator PCA (Option -03)

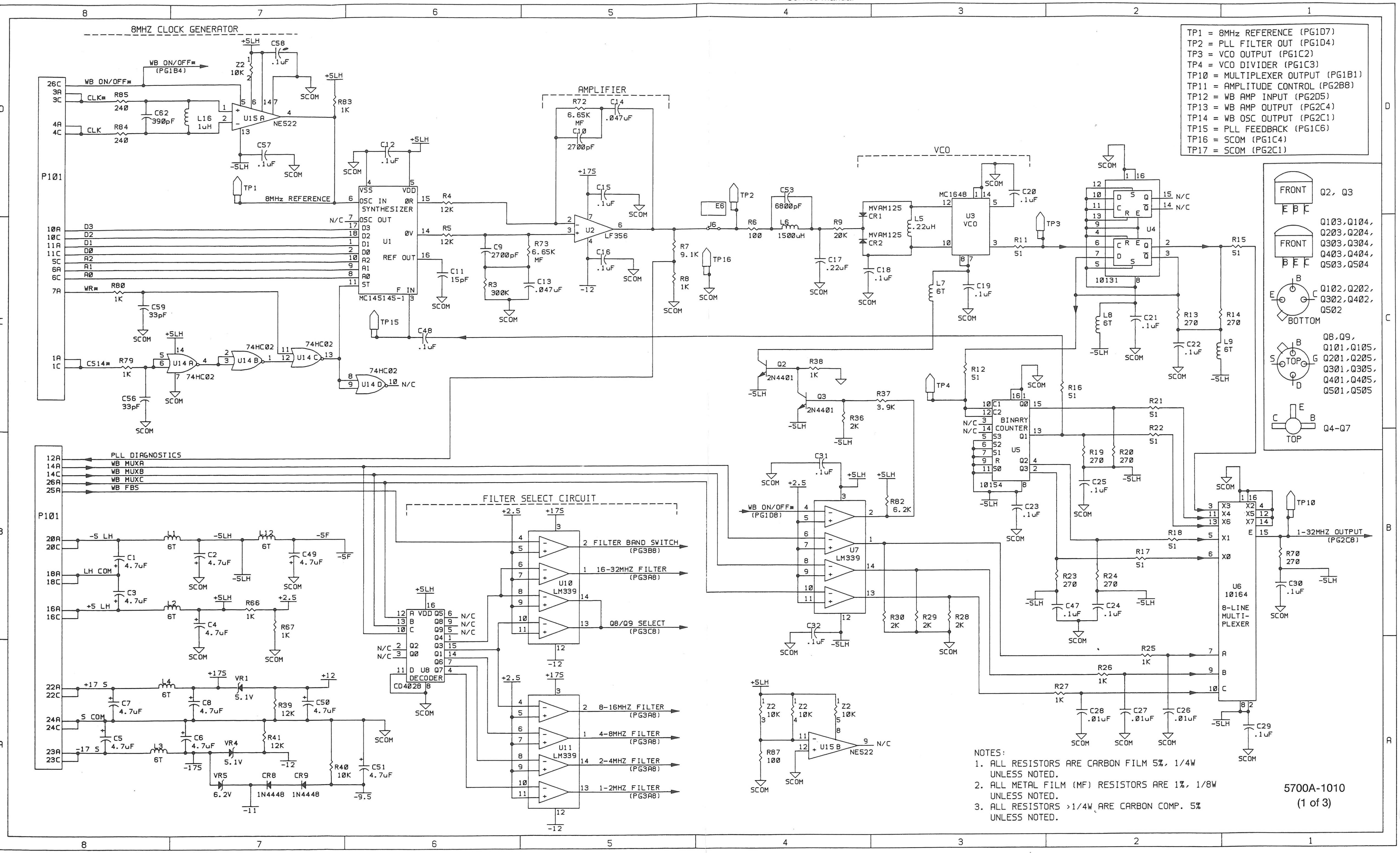

Figure 7-6. A6 Wideband Oscillator PCA (Option -03)

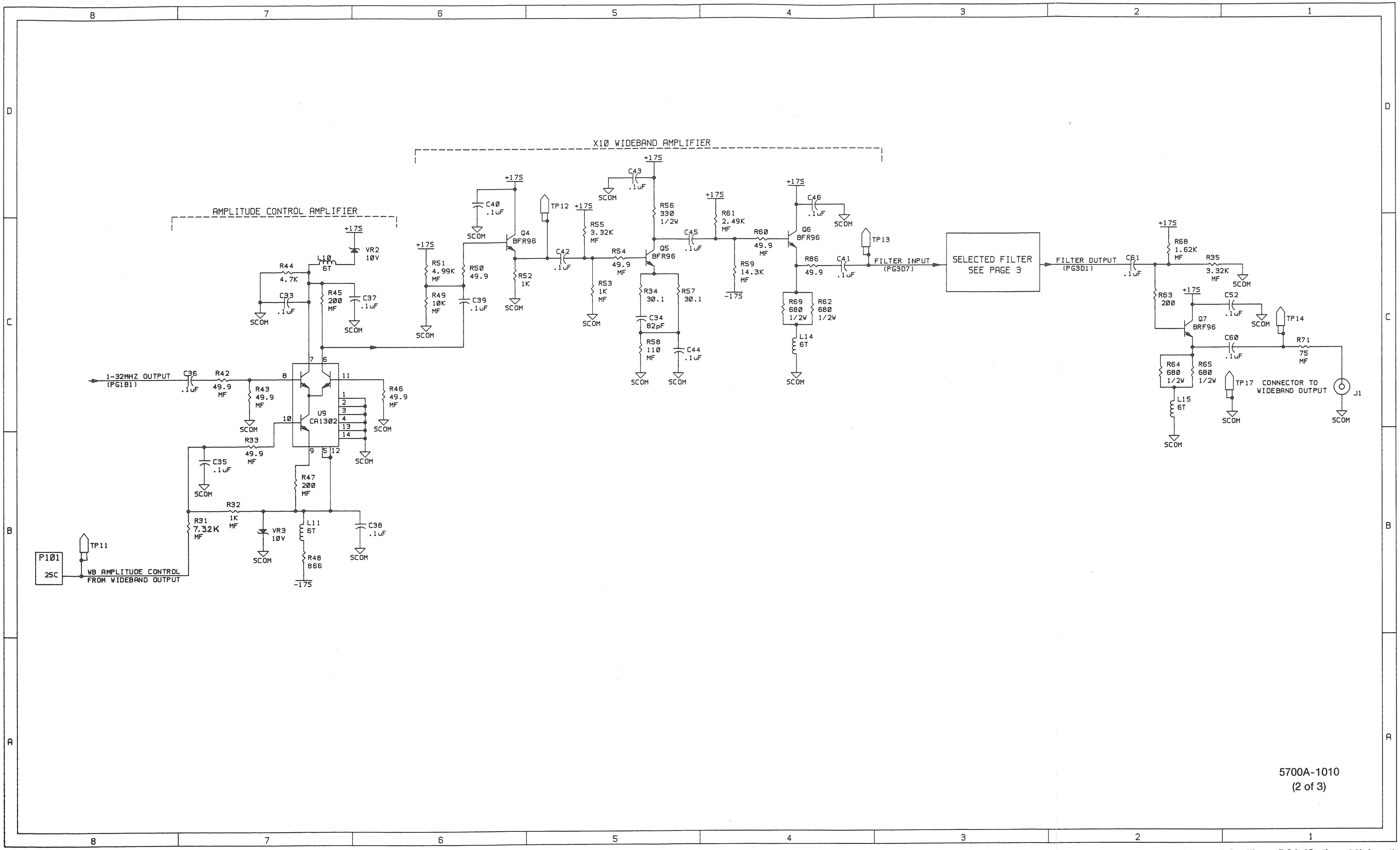

Figure 7-6. A6 Wideband Oscillator PCA (Option -03) (cont)

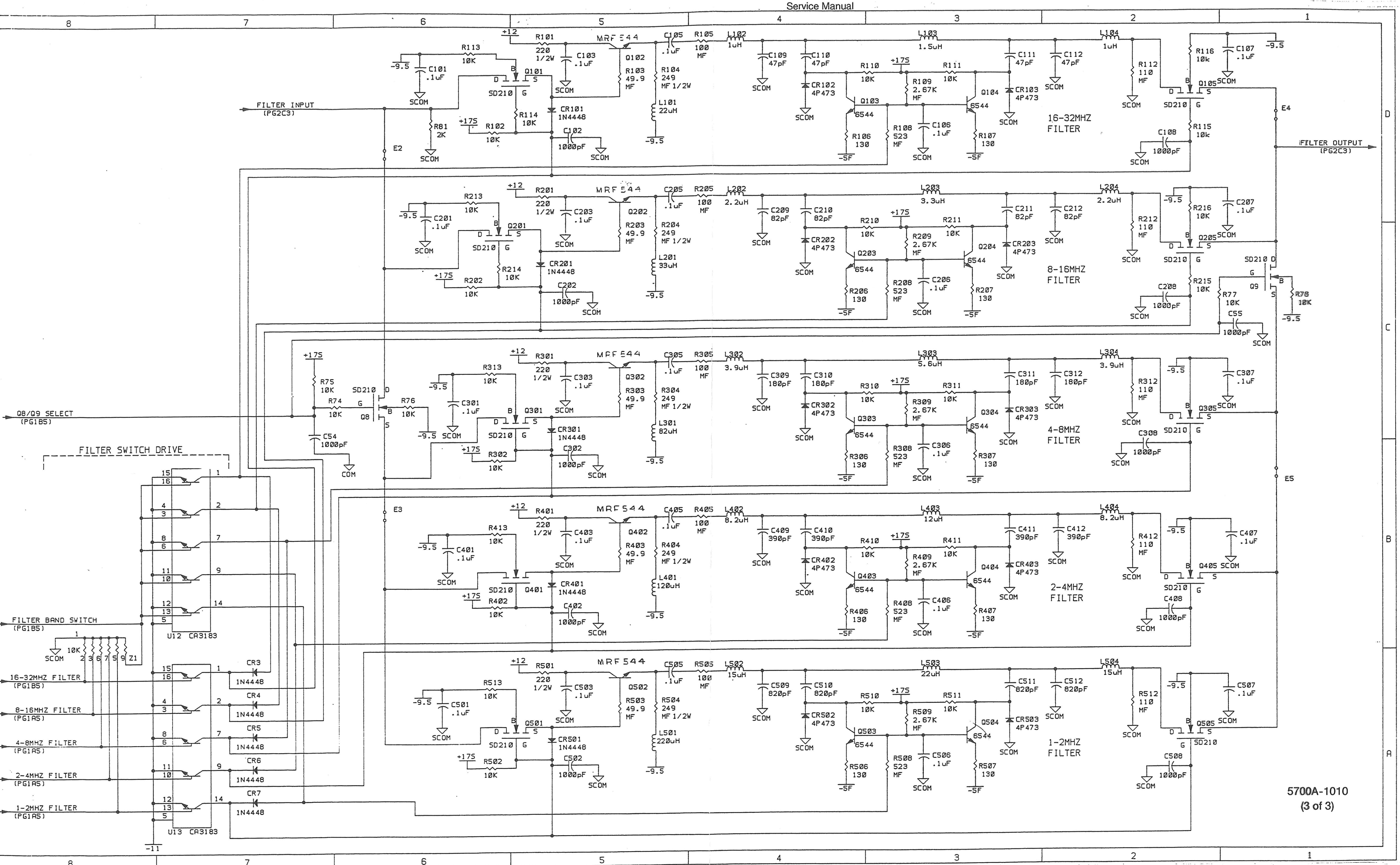

Figure 7-6. A6 Wideband Oscillator PCA (Option -03) (cont)

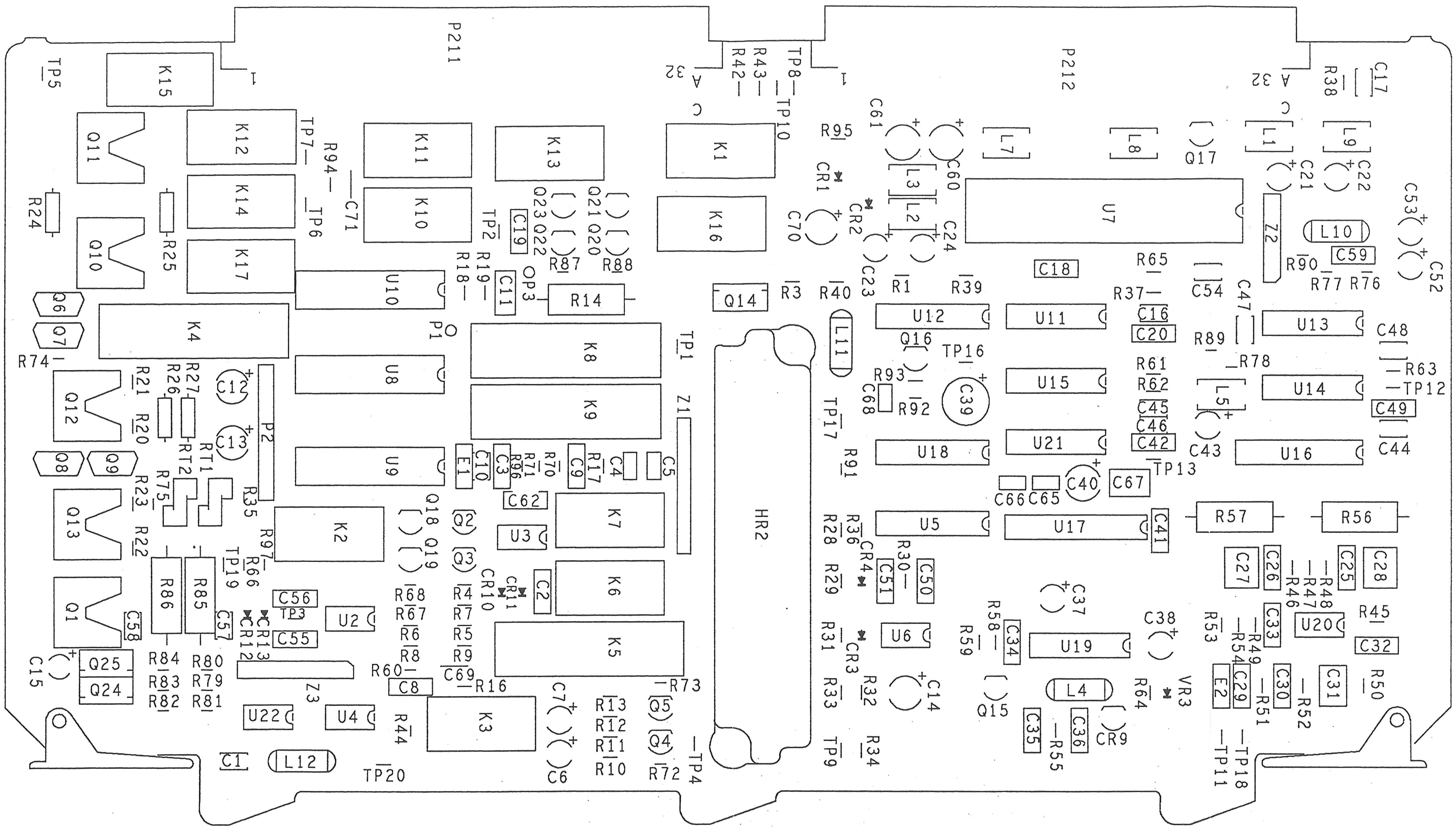

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Figure 7-7. A7 Current/High-Resolution Oscillator PCA

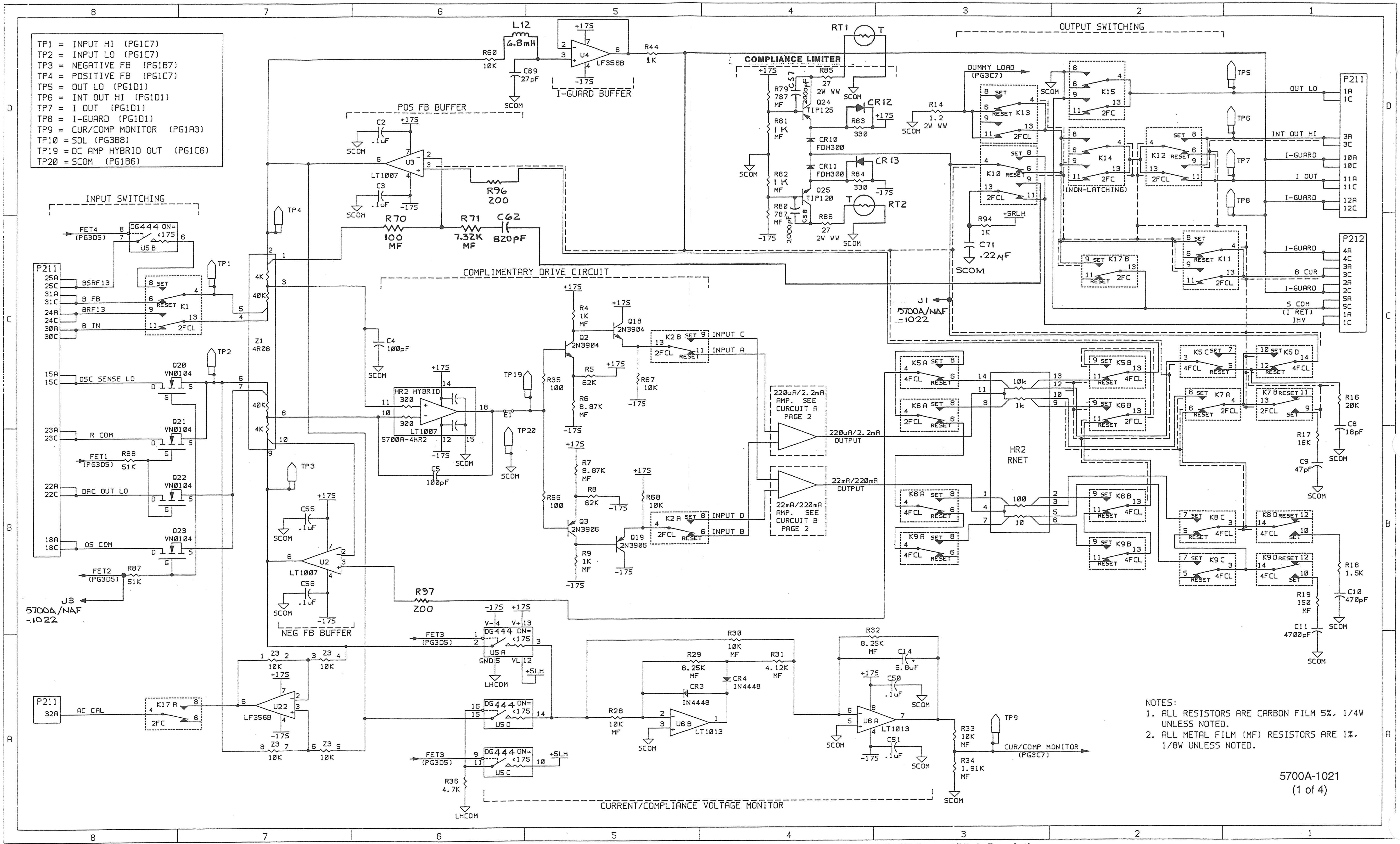
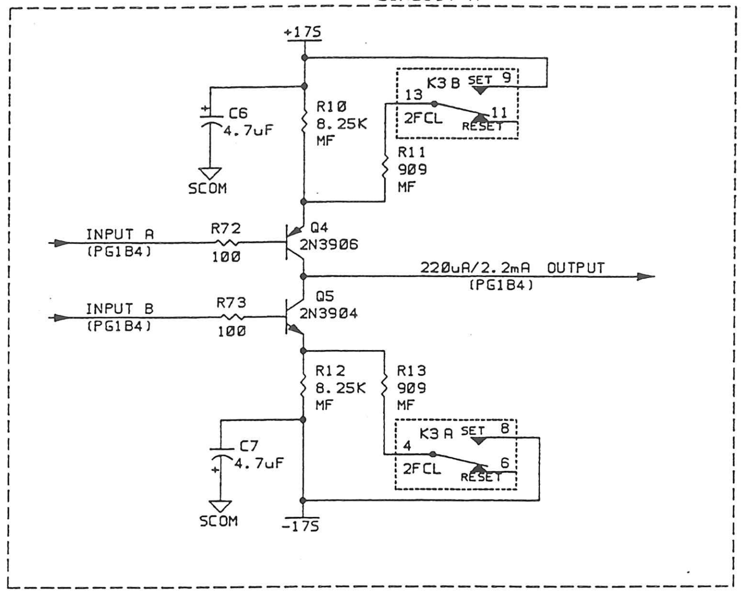
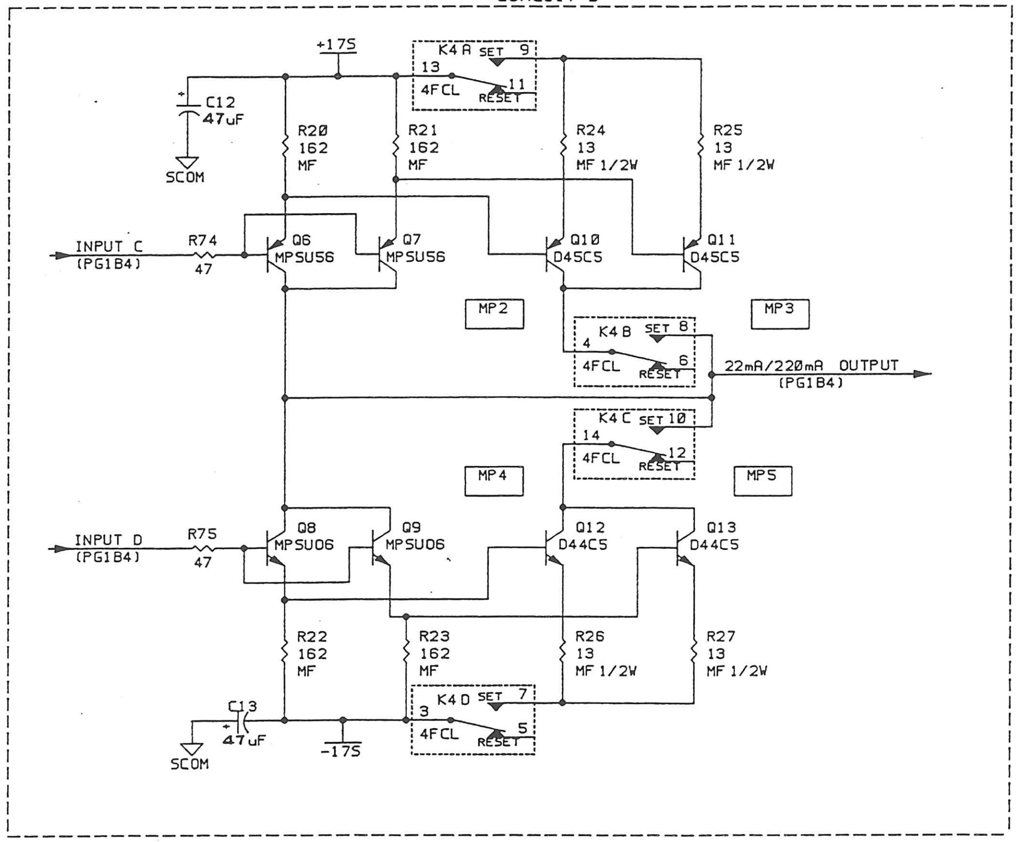


Figure 7-7. A7 Current/High-Resolution Oscillator PCA (cont)

220UA/2.2mA AMP
CIRCUIT A



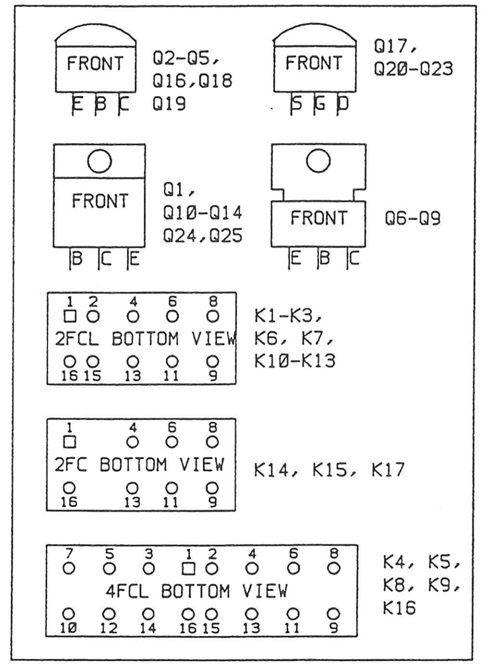
22mA/220mA AMP
CURCUIT B

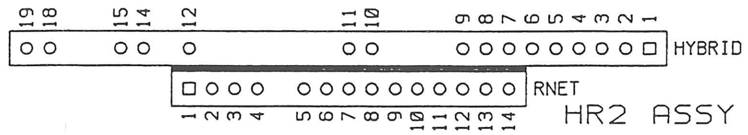


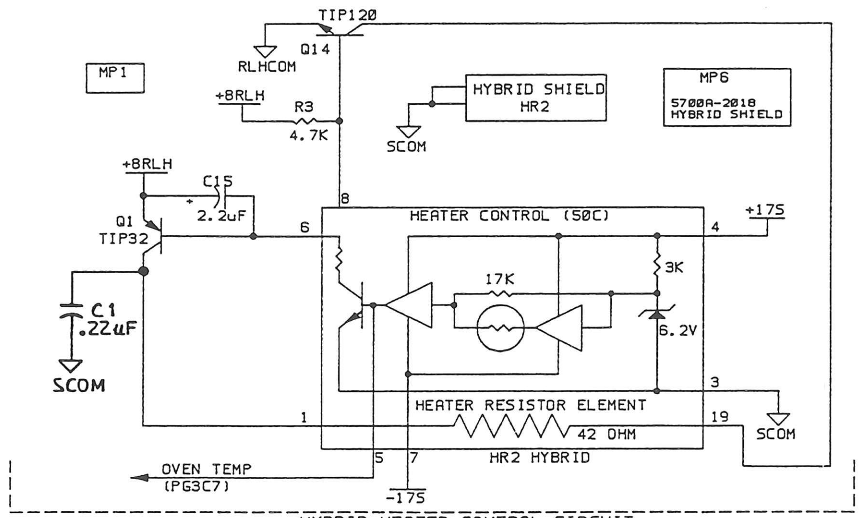
	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12	K13	K14	K15	K16	K17	Q20/Q23	Q21/Q22	U5A/U5C	U5D
PWR-UP / RESET																					
DC 220uA RANGE														*	*				*		
DC 2.2mA RANGE			S		S	S	S							*	*				*		
DC 22mA RANGE		S			S			S						*	*				*		
DC 220mA RANGE		S		S	S				S					*	*				*		
DC 2.2A RANGE		S			S					S	S			*	*				*		
AC 220uA RANGE														*	*			*			
AC 2.2mA RANGE			S		S	S	S							*	*			*			
AC 22mA RANGE		S			S			S						*	*			*			
AC 220mA RANGE		S		S	S				S					*	*			*			
AC 2.2A RANGE		S			S					S	S			*	*			*			

ALL RELAYS SHOWN IN THE RESET OR NON-LATCHING POSITION
S = SET POSITION OF LATCHING RELAYS
* = ENERGIZED FOR NON-LATCHING RELAYS
* = ON FOR FETS
K1 IS SET DURING CURRENT GAIN CALIBRATION
K12 IS SET WHEN CURRENT OUTPUT IS AT THE OUT HI BINDING POST OR RESET WHEN CURRENT OUTPUT IS AT THE AUX I OUT BINDING POST
K13 CONNECTS A DUMMY LOAD TO THE OUTPUT CURRENT WHEN RESET. THIS IS DONE DURING DIAGNOSTICS AND CURRENT RANGE SWITCHING

K16 IS SET DURING BOOST AMPLIFIER CALIBRATION
K17 IS ENERGIZED DURING AC CURRENT FLATNESS CHARACTERIZATION







HYBRID HEATER CONTROL CIRCUIT

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Figure 7-7. A7 Current/High-Resolution Oscillator PCA (cont)

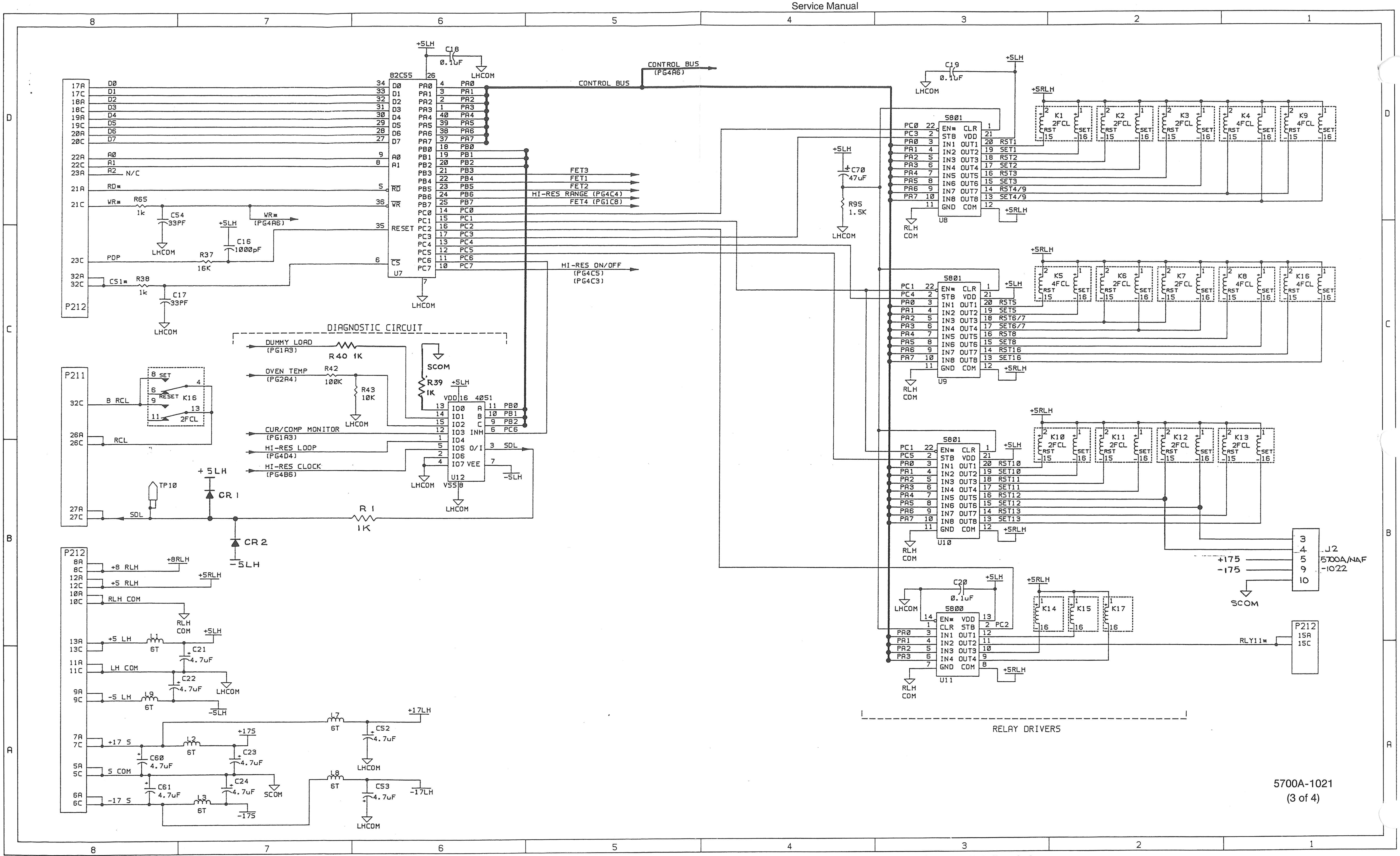

Figure 7-7. A7 Current/High-Resolution Oscillator PCA (cont)

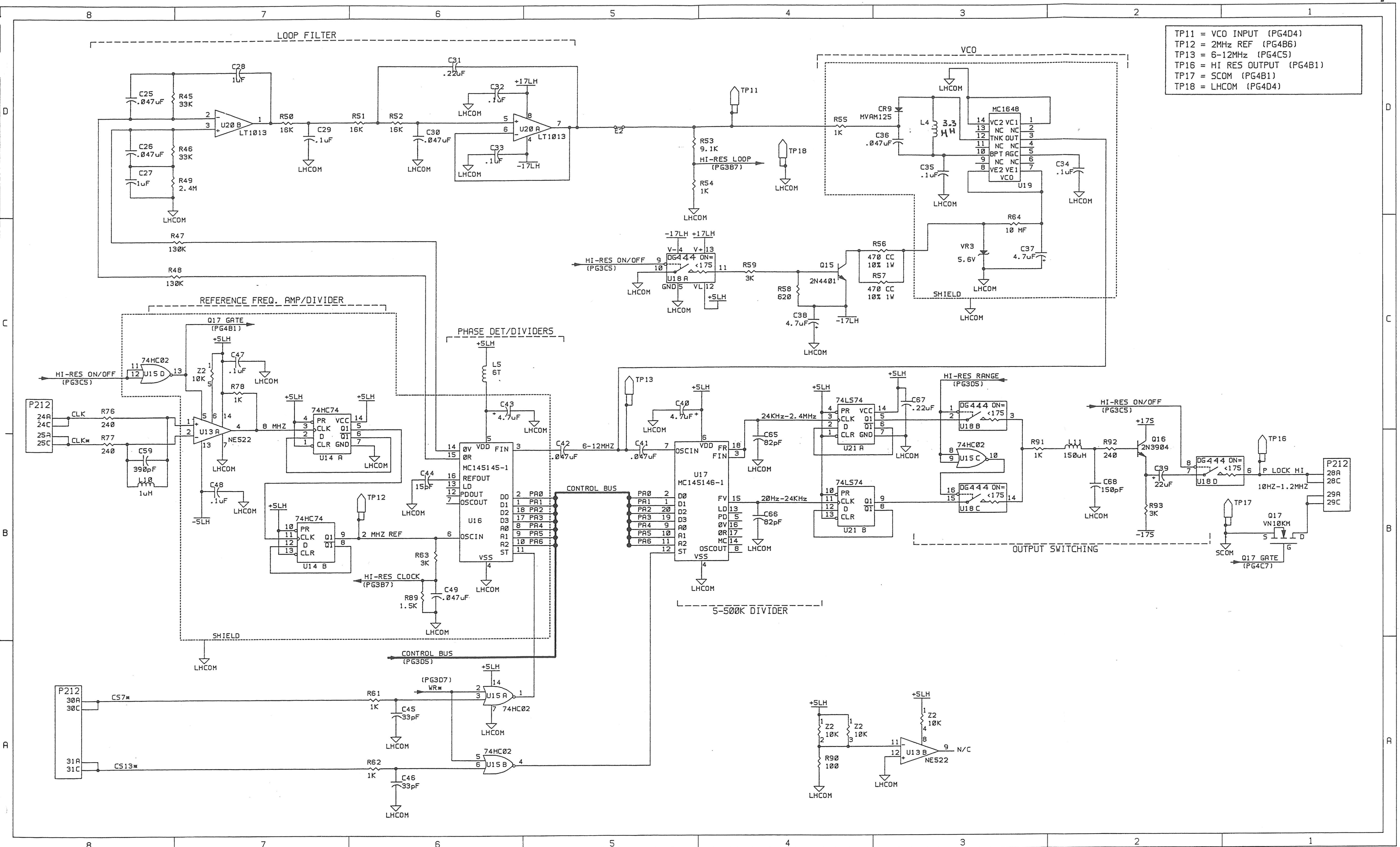

Figure 7-7. A7 Current/High-Resolution Oscillator PCA (cont)

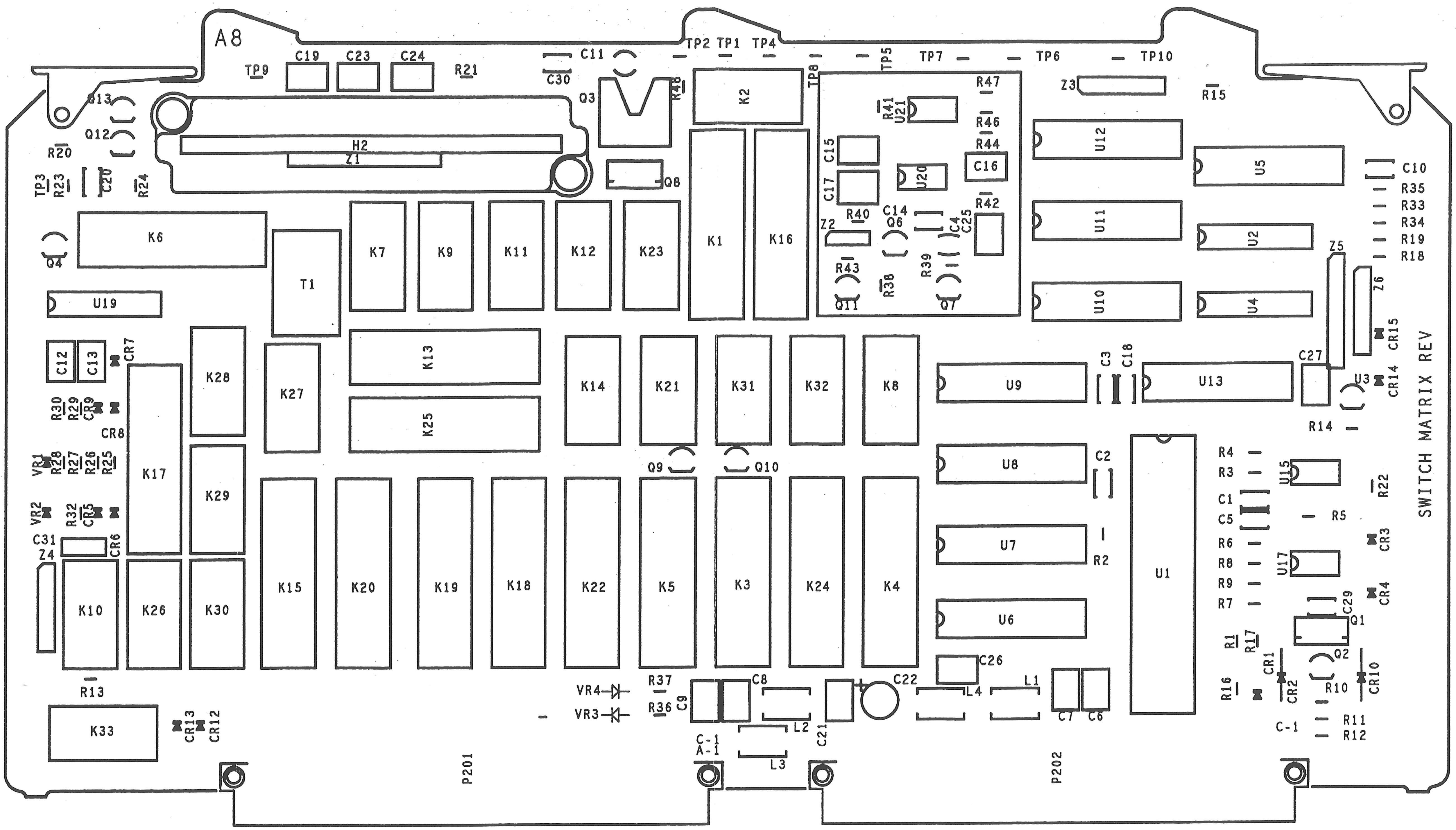

Figure 7-8. A8 Switch Matrix PCA

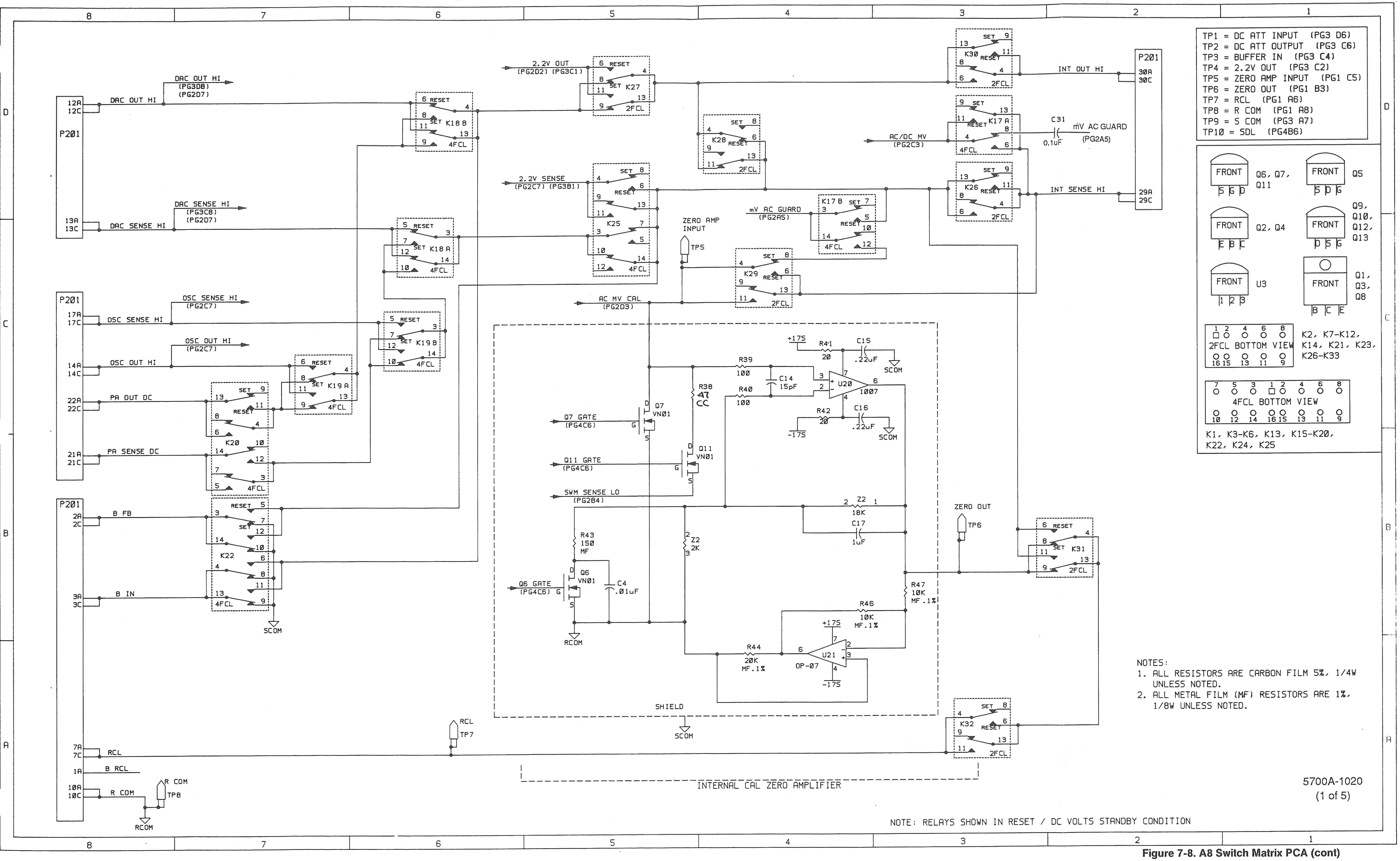

Figure 7-8. A8 Switch Matrix PCA (cont)

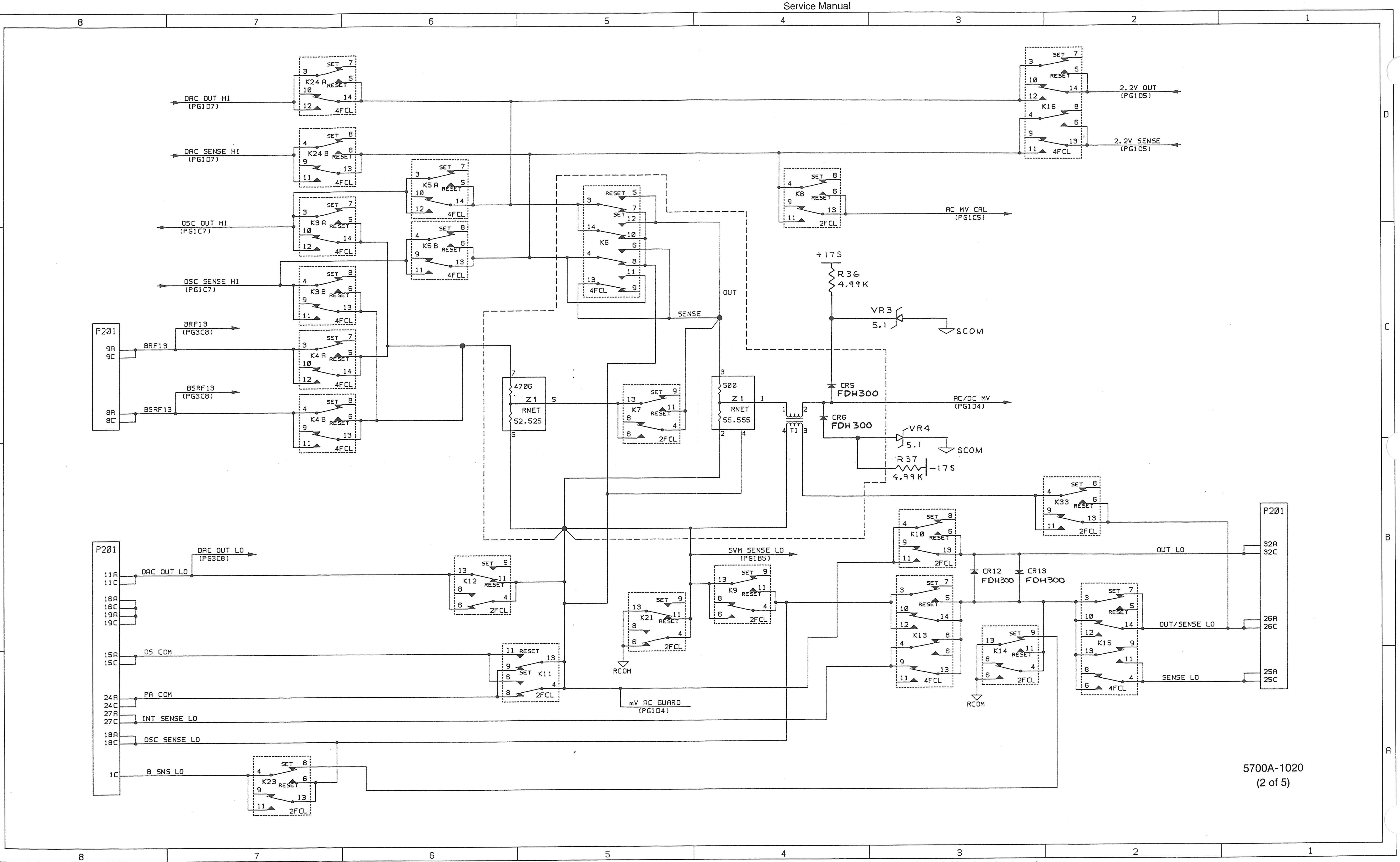

Figure 7-8. A8 Switch Matrix PCA (cont)

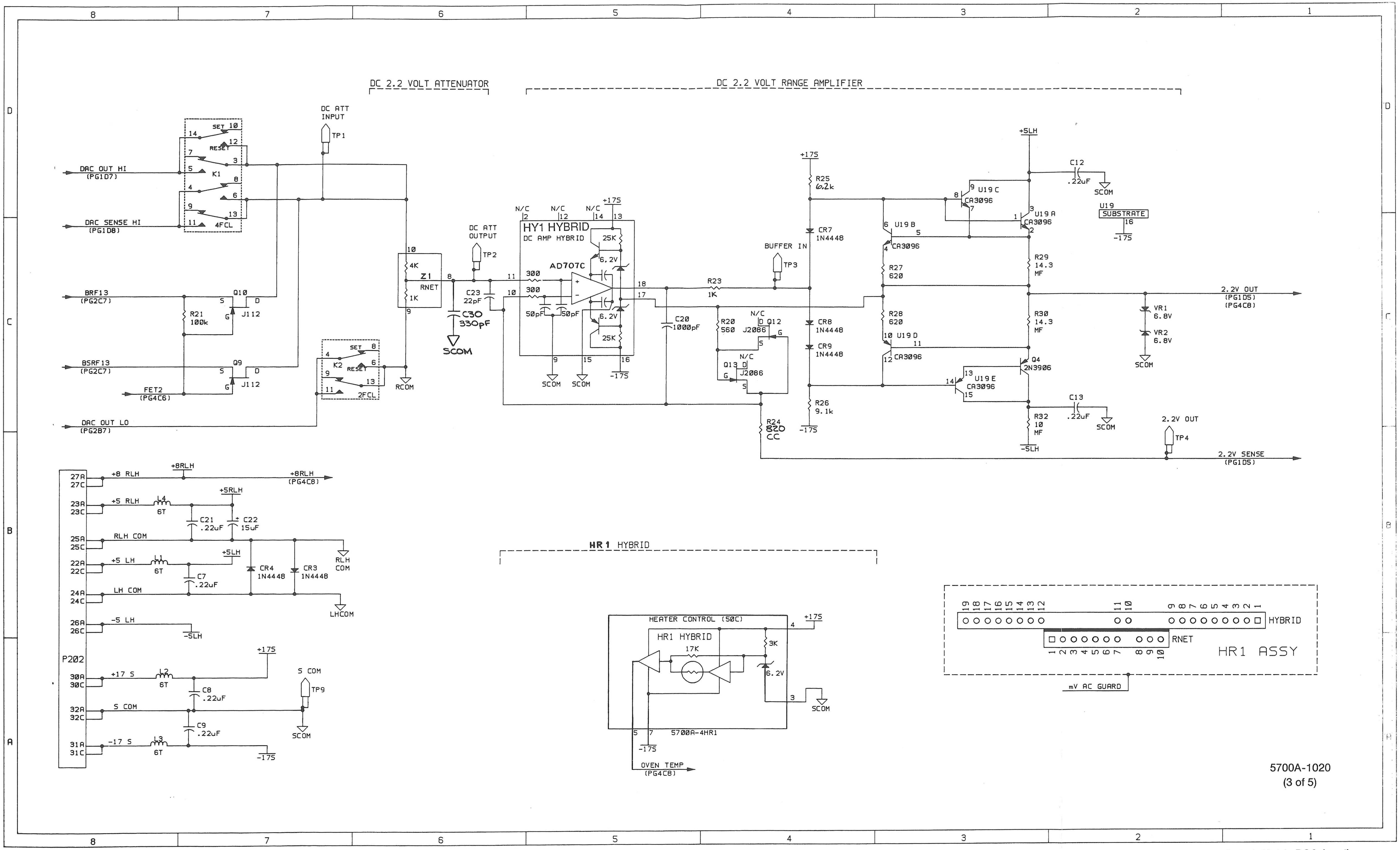

Figure 7-8. A8 Switch Matrix PCA (cont)

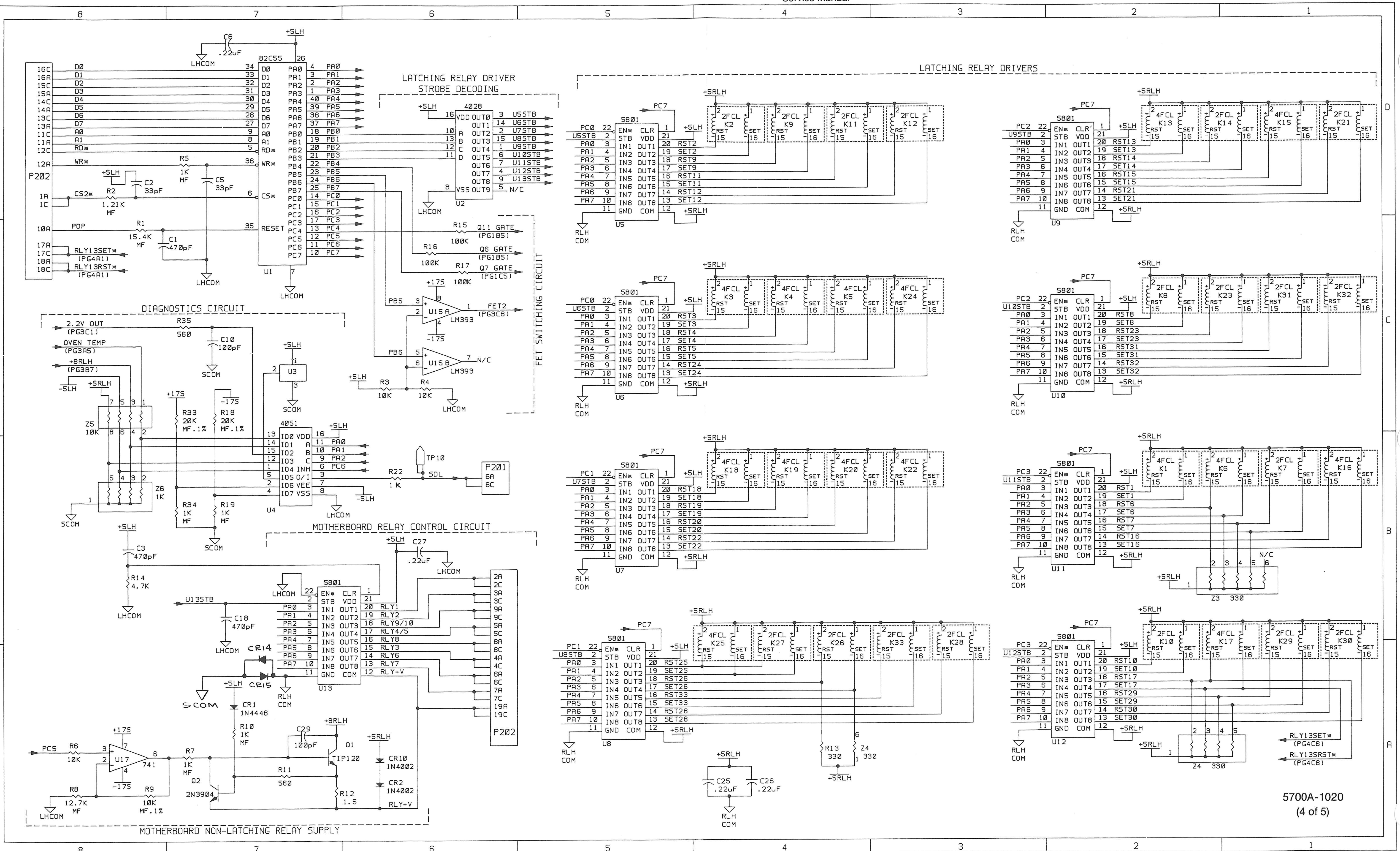

Figure 7-8. A8 Switch Matrix PCA (cont)

SWITCH MATRIX RELAYS AND FETS — MOTHERBOARD RELAYS

	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12	K13	K14	K15	K16	K17	K18	K19	K20	K21	K22	K23	K24	K25	K26	K27	K28	K29	K30	K31	K32	K33		Q6	Q7	Q9/Q10	Q11	K1	K2	K3	K4/K5	K6	K7	K8	K9/K10	K13
RESET / DC VOLTS STANDBY												R						R			R							R								*											
DC 220mV RANGE	R	R				R										R	R				R												R							*			*	*	*		R
DC 2.2V RANGE	R	R								R				R	E										R	R	R			R						*			*	*	E		*	*	*		
DC 11V/22V RANGE										R		R		R	E			R								R				R						*			*	*	E		*	*	*		
DC 220V RANGE										R		R		R	E					R						R				R						*			*	*	E		*	*	*		
DC 1100V RANGE										R		R		R	E																					*					E		*	*	*	*	
DC 1100V 5205 MODE													R						R				R	R												*											
AC VOLTS STANDBY									R		R								R									R								*											
AC 2.2mV RANGE			R				R		R		R				R		R																R							*			*	*	*		R
AC 22mV RANGE			R				R		R		R				R		R																R							*			*	*	*		R
AC 220mV RANGE					R	R			R		R				R		R																R							*			*	*	*		R
AC 2.2V/22V RANGE										R	R		R		E				R							R				R						*			*	*	E		*	*	*		
AC 220V RANGE										R			R		E																					*					E		*	*	*	*	
AC 1100V RANGE										R			R		E																					*					E		*	*	*	*	

	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12	K13	K14	K15	K16	K17	K18	K19	K20	K21	K22	K23	K24	K25	K26	K27	K28	K29	K30	K31	K32	K33		Q6	Q7	Q9/Q10	Q11	K1	K2	K3	K4/K5	K6	K7	K8	K9/K10	
AC 1100V BOOST MODE										R			R						R			R														*						*					
AC 1100V 5205 MODE												R		R				R				R	R		R		R									*											
BOOST DC CURRENT MODE	R	R										R										R			R		R	R								*											
BOOST AC CURRENT MODE									R										R			R	R													*											
DC 11V RANGE ZERO CAL												R						R			R					R		R	R			R			*												
CAL 10V DC TO EXT 10V STD										R		R		R												R					R	R				*				*							
2.2V RANGE OFFSET CAL	R	R										R													R	R	R	R	R			R			*												
2.2V RANGE GAIN CAL		R										R													R		R	R	R		R	R				*	*										
220mV RANGE CHECKPOINT	R	R				R										R					R											R			*			*									R
220mV RANGE OFFSET CAL	R	R				R										R	R				R								R			R			*												R
220mV RANGE GAIN CAL						R						R					R				R			R					R			R															R
22mV RANGE GAIN CAL				R		R	R	R				R						R			R							R				R															

R = RESET POSITION FOR ALL LATCHING RELAYS
* = ENERGIZED FOR NON-LATCHING RELAYS
* = ON FOR FETS
E = EXTERNAL SENSE STATE FOR K15 RESET AND MOTHERBOARD RELAY K3 ENERGIZED
THE SCHEMATIC IS SHOWN WITH THE RELAYS IN THE RESET / DC VOLTS STANDBY CONDITION

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Figure 7-8. A8 Switch Matrix PCA (cont)

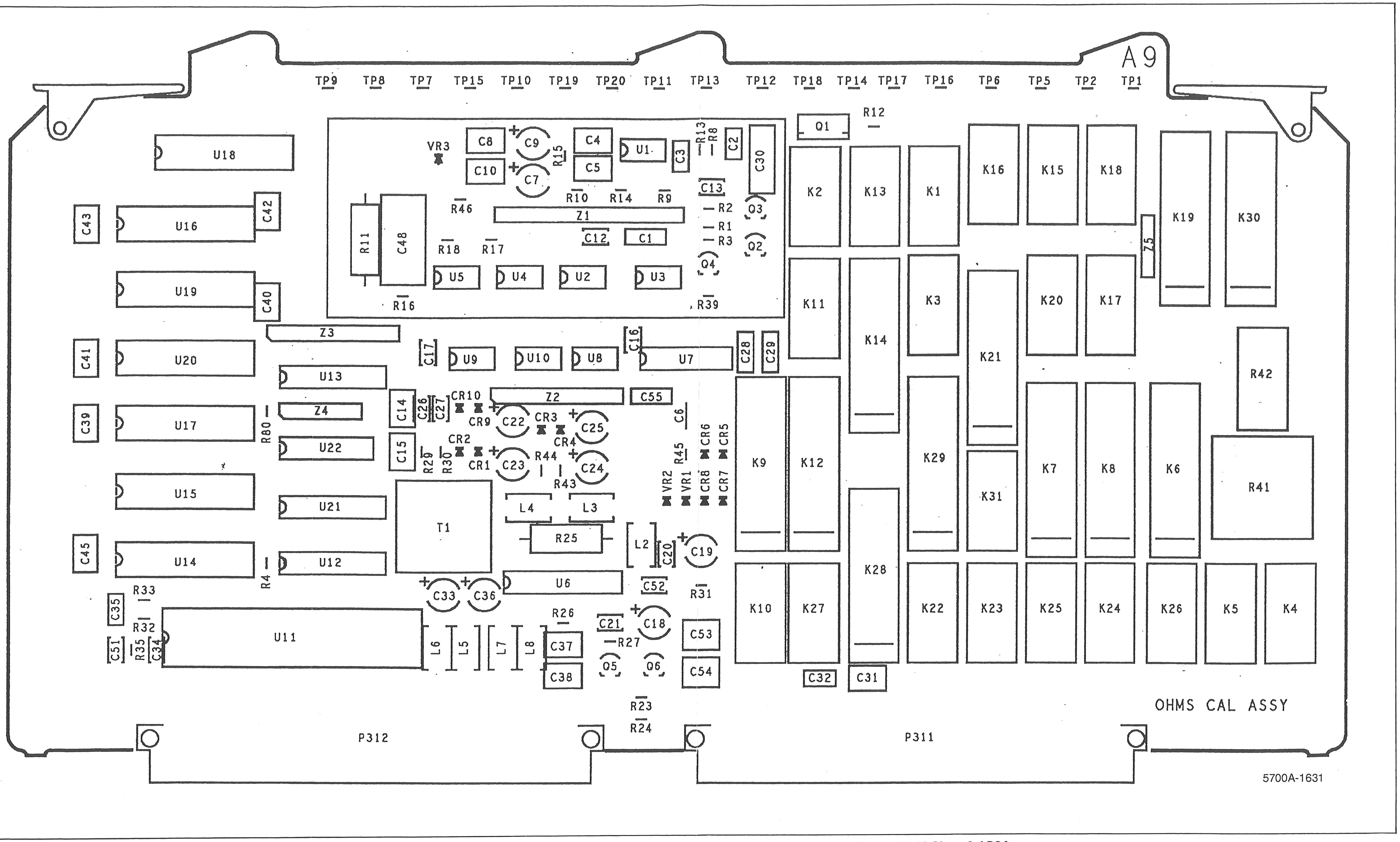

Figure 7-9 A9 Ohms Cal PCA

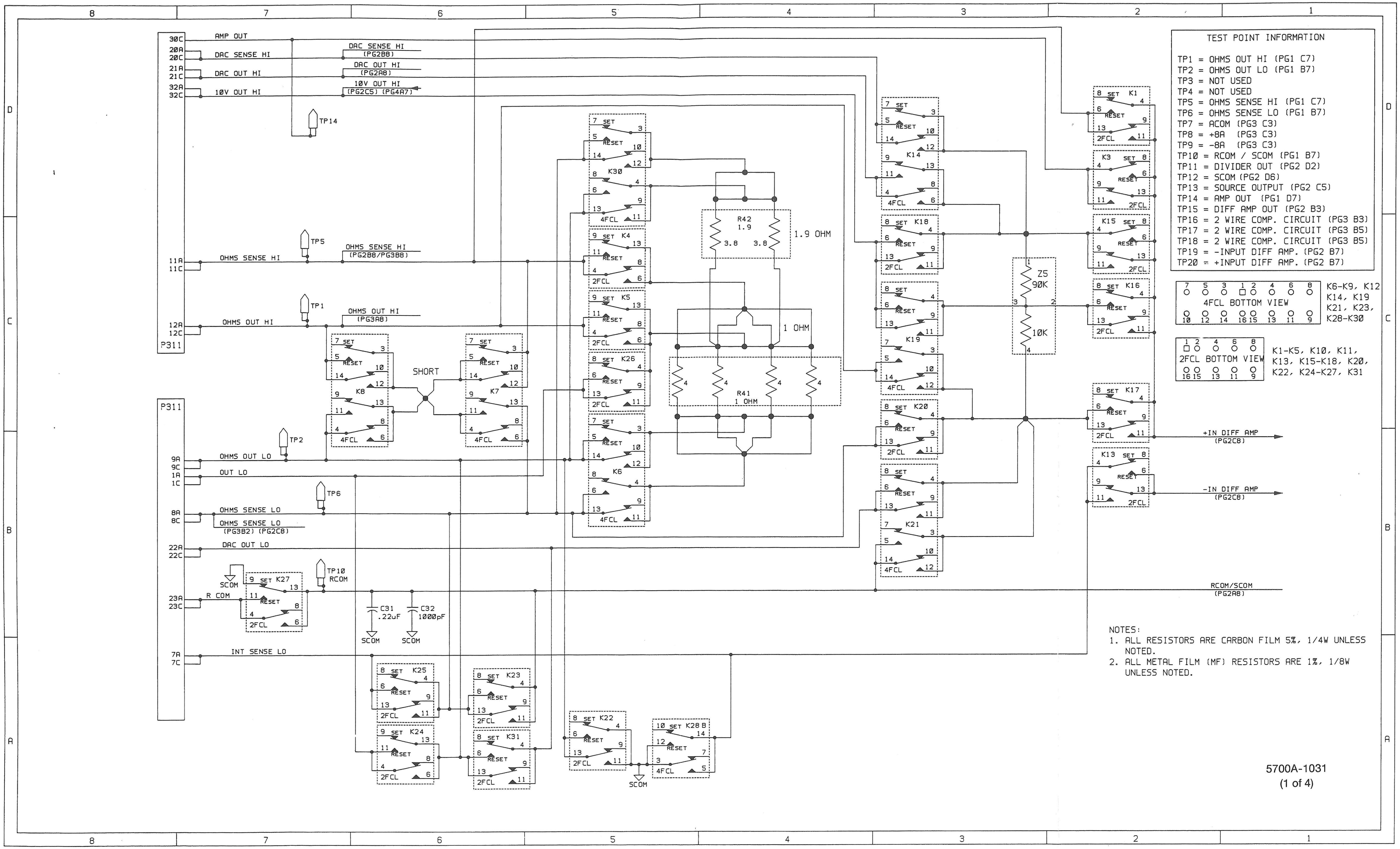

Figure 7-9. A9 Ohms Cal PCA (cont)

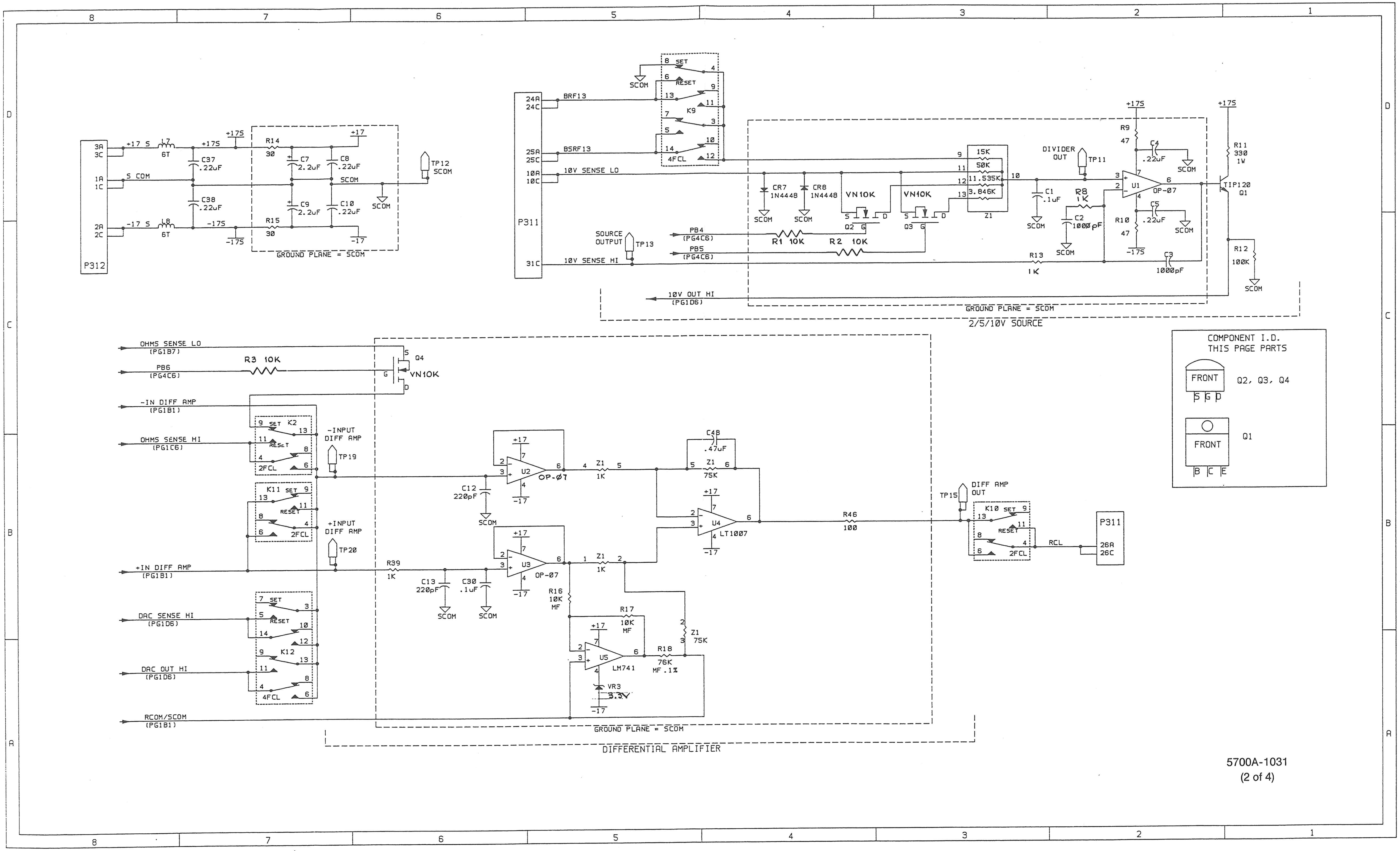

Figure 7-9. A9 Ohms Cal PCA (cont)

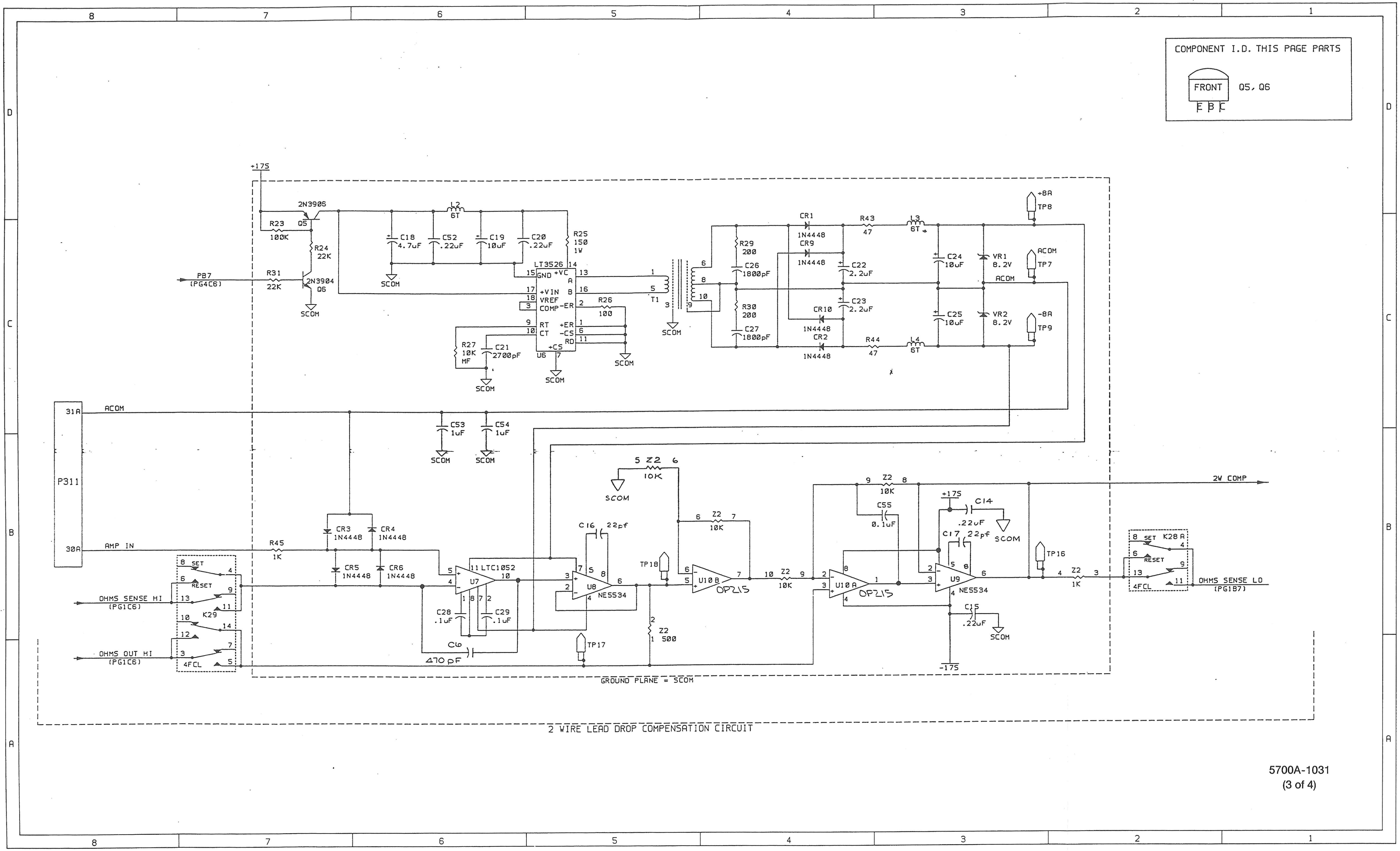

Figure 7-9. A9 Ohms Cal PCA (cont)

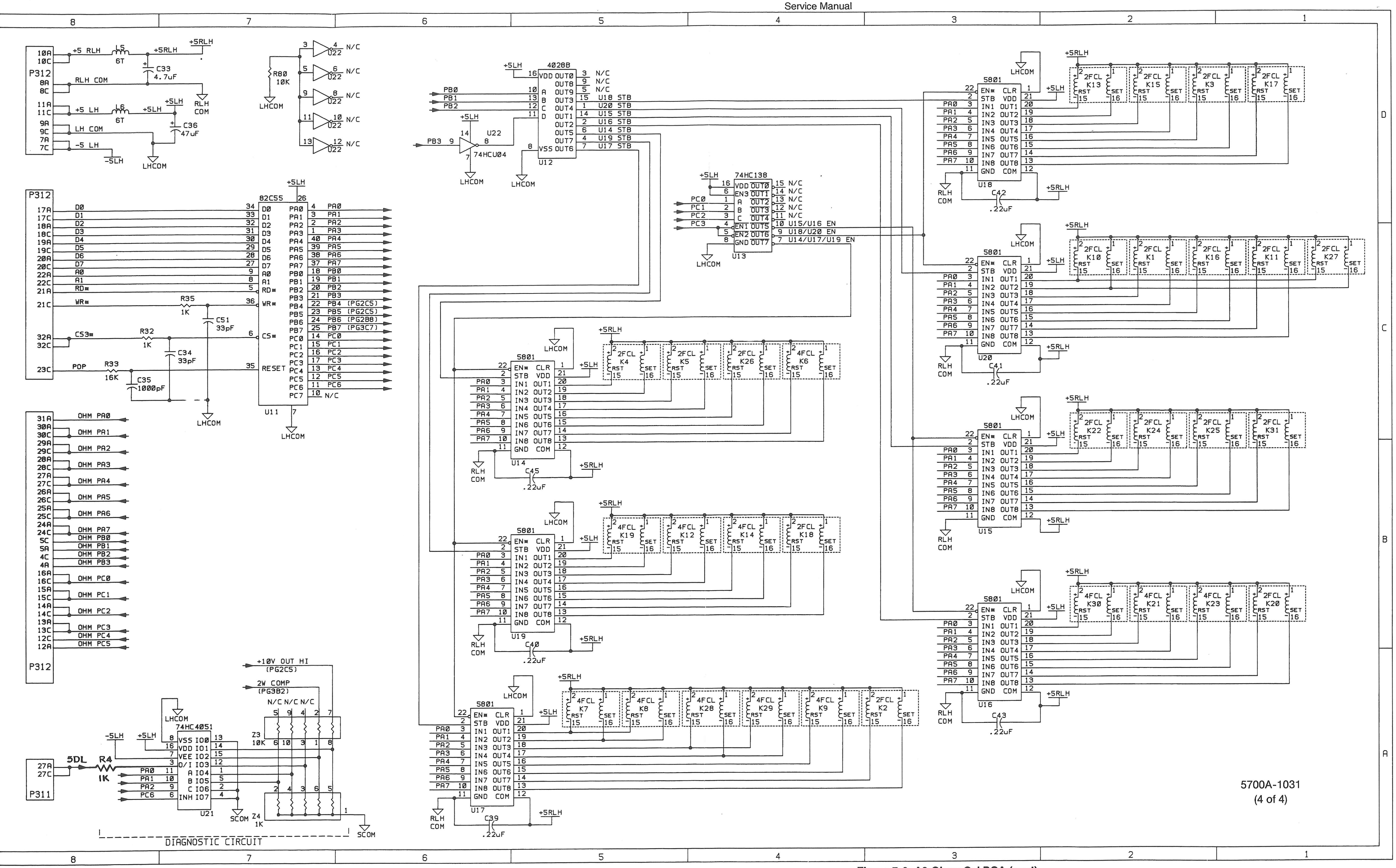

Figure 7-9. A9 Ohms Cal PCA (cont)

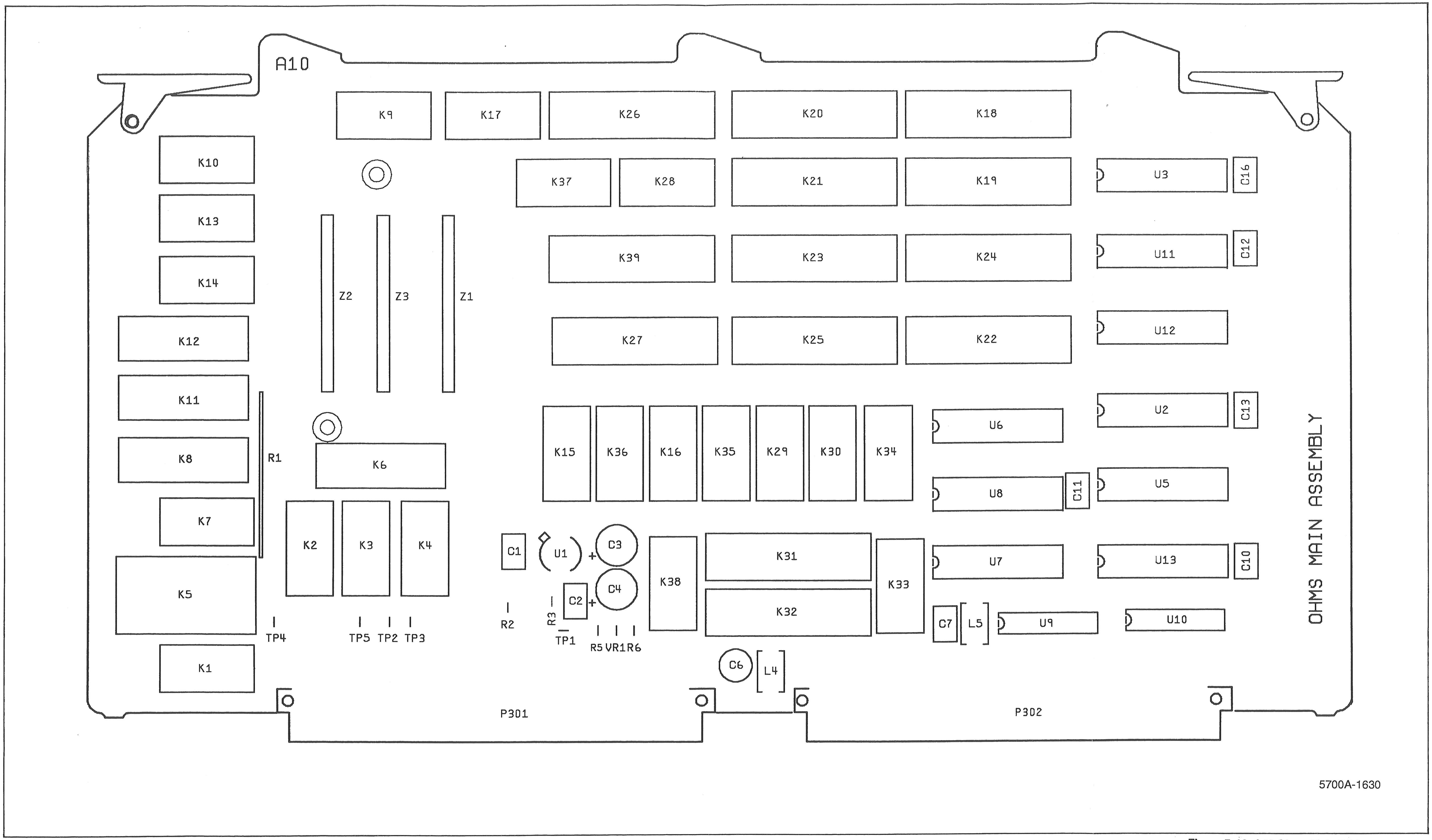

Figure 7-10. A10 Ohms Main PCA

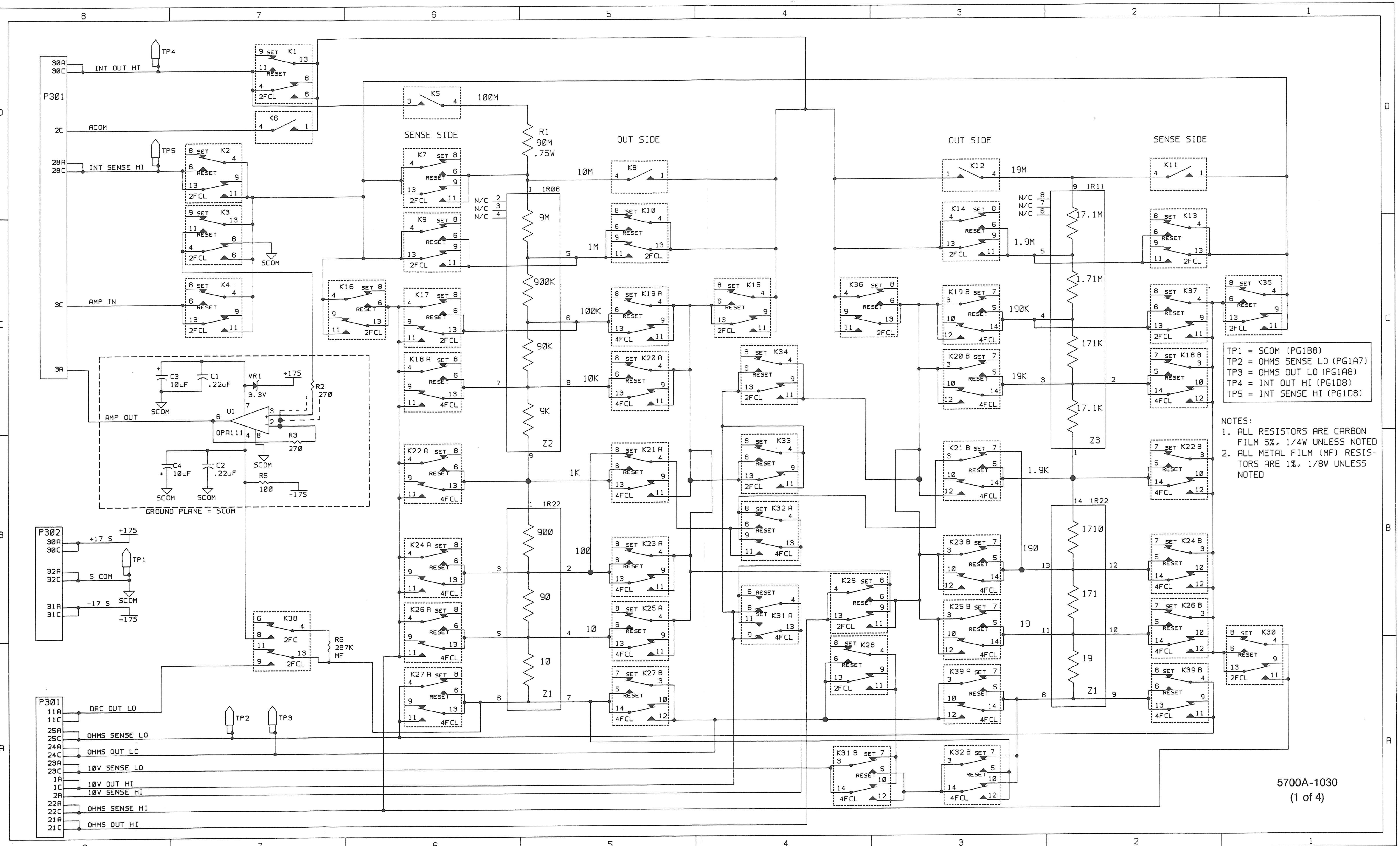

Figure 7-10. A10 Ohms Main PCA (cont)

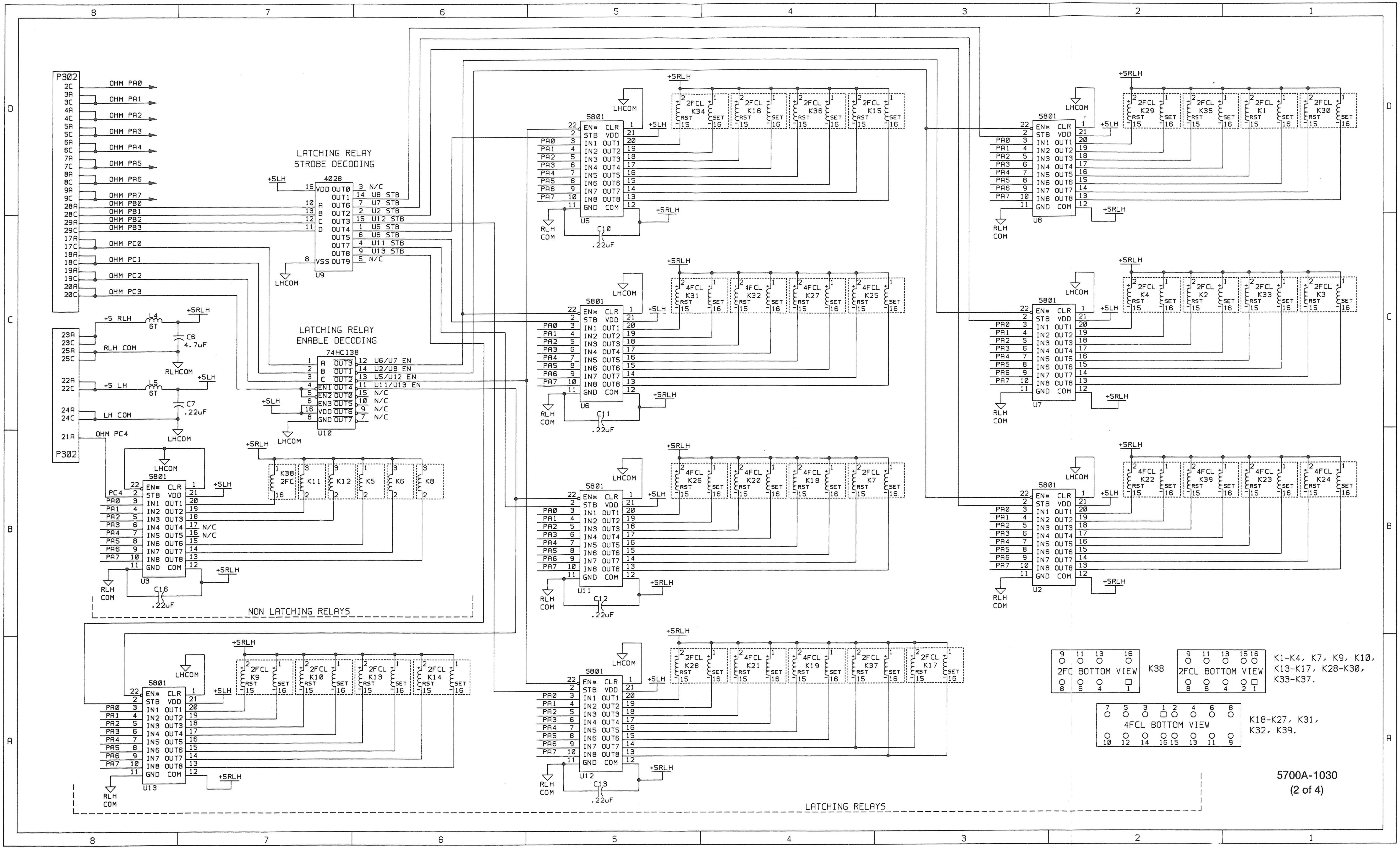

Figure 7-10. A10 Ohms Main PCA (cont)

OHMS MAIN ASSEMBLY RELAYS

	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12	K13	K14	K15	K16	K17	K18	K19	K20	K21	K22	K23	K24	K25	K26	K27	K28	K29	K30	K31	K32	K33	K34	K35	K36	K37	K38	K39
DORMANT																																						
4 WIRE SHORT	R	R													R	R																								
4 WIRE 1 OHM	R	R													R	R																								
4 WIRE 1.9 OHM	R	R													R	R																								
4 WIRE 10 OHM	R	R													R	R									R	R	R														
4 WIRE 19 OHM	R	R																							R	R											R	R			R
4 WIRE 100 OHM	R	R													R	R							R	R			R														
4 WIRE 190 OHM	R	R																					R	R													R	R			R
4 WIRE 1K OHM	R	R													R	R					R	R					R														
4 WIRE 1.9K OHM	R	R																			R	R															R	R			R
4 WIRE 10K OHM	R	R													R	R		R		R							R														
4 WIRE 19K OHM	R	R																R		R															R	R			R
4 WIRE 100K OHM	R	R													R	R	R		R							R											R		
4 WIRE 190K OHM	R	R															R		R															R	R	R		R
4 WIRE 1M OHM	R	R							R	R																	R														
4 WIRE 1.9M OHM	R	R											R	R																									R
4 WIRE 10M OHM	R	R					R	*																			R														
4 WIRE 19M OHM	R	R									*	*																											R
2 WIRE 100M OHM					*																					R														
2 WIRE COMP. SHORT	R	R		R		*																																		
2 WIRE COMP. 1 OHM	R	R		R		*																																		
2 WIRE COMP. 1.9 OHM	R	R		R		*																																		
2 WIRE COMP. 10 OHM	R	R		R		*																			R	R	R														
2 WIRE COMP. 19 OHM	R	R		R		*																			R	R			R	R									R
2 WIRE COMP. 100 OHM	R	R		R		*																	R	R			R														
2 WIRE COMP. 190 OHM	R	R		R		*																	R	R					R	R									R
2 WIRE COMP. 1K OHM	R	R		R		*															R	R					R														
2 WIRE COMP. 1.9K OHM	R	R		R		*															R	R							R	R									R
2 WIRE COMP. 10K OHM	R	R		R		*											R		R							R														
2 WIRE COMP. 19K OHM	R	R		R		*											R		R									R	R									R
DIAG SOURCE10																											R	R												
DIAG SOURCE5																											R	R												
DIAG SOURCE2																											R	R												
DIAG DIFFAMP																											R	R												
DIAG DIVIDER1																											R	R												
DIAG DIVIDER2																											R	R												
DIAG 10K CAL																				R							R	R												
DIAG 19K CAL																				R								R	R											R
DIAG CHK 10K	R													R			R		R							R														
DIAG CHK 19K	R																R		R										R						R			R
DIAG CHK 1K	R													R						R	R					R														
DIAG CHK 1.9K	R																			R	R								R						R			R
DIAG CHK 100	R													R								R	R			R														
DIAG CHK 190	R																					R	R						R						R			R
DIAG CHK 10	R													R										R	R	R														
DIAG CHK 19	R																							R	R				R						R			R
DIAG 10 CAL																							R			R	R				R	R	R						
DIAG 19 CAL																							R			R				R	R			R					R
DIAG RATIO 100K																		R	R										R	R					R						
DIAG RATIO 190K																		R	R											R		R				R					R
DIAG RATIO 1M			R							R					R	R	R										R	R					R				R		
DIAG RATIO 1.9M			R										R			R													R							R	R	R	R		R
DIAG RATIO 10M			R					*	R						R												R	R					R						
DIAG RATIO 19M1			R									*	R																R							R		R			R
DIAG RATIO 19M2			R								*	*																		R							R		R			R
DIAG RATIO 100M	R		R		*		R								R												R	R					R						
DIAG CHK 1	R													R																								
DIAG CHK 1.9	R													R																								
DIAG CHK SHORT	R													R																								
DIAG 2W COMP	R			R		*							R	R											R	R	R												

OHMS CAL ASSEMBLY RELAYS AND FETS

	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12	K13	K14	K15	K16	K17	K18	K19	K20	K21	K22	K23	K24	K25	K26	K27	K28	K29	K30	K31	Q2	Q3	Q4	Q6
INIT AND STANDBY											R				R			R																
4 WIRE SHORT							R	R			R				R			R				R		R	R									
4 WIRE 1 OHM				R	R	R					R				R			R				R		R	R									
4 WIRE 1.9 OHM				R	R						R				R			R				R		R	R					R					
4 WIRE 10 OHM											R				R			R				R		R	R									
4 WIRE 19 OHM											R				R			R				R		R	R									
4 WIRE 100 OHM											R				R			R				R		R	R									
4 WIRE 190 OHM											R				R			R				R		R	R									
4 WIRE 1K OHM											R				R			R				R		R	R									
4 WIRE 1.9K OHM											R				R			R				R		R	R									
4 WIRE 10K OHM											R				R			R				R		R	R									
4 WIRE 19K OHM											R				R			R				R		R	R									
4 WIRE 100K OHM											R				R			R				R		R	R									
4 WIRE 190K OHM											R				R			R				R		R	R									
4 WIRE 1M OHM											R				R			R				R		R	R									
4 WIRE 1.9M OHM											R				R			R				R		R	R									
4 WIRE 10M OHM											R				R			R				R		R	R									
4 WIRE 19M OHM											R				R			R				R		R	R									
2 WIRE 100M OHM											R				R			R				R		R											
2 WIRE COMP. SHORT							R	R			R				R			R						R				R	R						*
2 WIRE COMP. 1 OHM				R	R	R					R				R			R						R				R	R						*
2 WIRE COMP. 1.9 OHM				R	R						R				R			R						R				R	R	R					*
2 WIRE COMP. 10 OHM											R				R			R						R				R	R						*
2 WIRE COMP. 19 OHM											R				R			R						R				R	R						*
2 WIRE COMP. 100 OHM											R				R			R						R				R	R						*
2 WIRE COMP. 190 OHM											R				R			R						R				R	R						*
2 WIRE COMP. 1K OHM											R				R			R						R				R	R						*
2 WIRE COMP. 1.9K OHM											R				R			R						R				R	R						*
2 WIRE COMP. 10K OHM											R				R			R						R				R	R						*
2 WIRE COMP. 19K OHM											R				R			R						R				R	R						*
DIAG SOURCE10									R	R	R	R											R	R				R				R				
DIAG SOURCE5									R	R	R	R											R	R				R				R	*			
DIAG SOURCE2									R	R	R	R											R	R				R				R	*	*		
DIAG DIFFAMP									R	R		R					R	R		R	R	R					R							
DIAG DIVIDER1									R	R		R				R		R		R	R	R					R							
DIAG DIVIDER2									R	R		R			R			R		R	R	R					R							
DIAG 10K CAL									R	R		R					R		R			R	R				R				R				
DIAG 19K CAL									R	R		R					R		R			R	R				R				R				
DIAG CHK 10K	R									R		R										R	R				R				R				
DIAG CHK 19K	R									R		R										R	R				R				R				
DIAG CHK 1K	R									R		R										R	R				R				R				
DIAG CHK 1.9K	R									R		R										R	R				R				R				
DIAG CHK 100	R									R		R										R	R				R				R				
DIAG CHK 190	R									R		R										R	R				R				R				
DIAG CHK 10	R									R		R										R	R				R				R				
DIAG CHK 19	R									R		R										R	R				R				R				
DIAG 10 CAL		R							R	R				R		R				R	R	R					R						*	*		
DIAG 19 CAL		R							R	R				R		R				R	R	R					R						*	*		
DIAG RATIO 100K	R								R	R		R										R	R				R				R				
DIAG RATIO 190K	R								R	R		R										R	R				R				R				
DIAG RATIO 1M			R						R	R		R										R	R				R				R				
DIAG RATIO 1.9M			R						R	R		R										R	R				R				R				
DIAG RATIO 10M			R						R	R		R										R	R				R				R				
DIAG RATIO 19M1			R						R	R		R										R	R				R				R				
DIAG RATIO 19M2			R						R	R		R										R	R				R				R				
DIAG RATIO 100M			R						R	R		R										R	R				R				R				
DIAG CHK 1	R			R	R	R				R											R					R				R			*	
DIAG CHK 1.9	R			R	R					R											R					R			R	R			*	
DIAG CHK SHORT	R						R	R		R											R					R				R			*	
DIAG 2W COMP																						R						R	R						*

R = RESET POSITION FOR LATCHING RELAYS
* = ENERGIZED POSITION FOR NON LATCHING RELAYS
NOTE: RELAYS SHOWN IN THE SET POSITION ON THE SCHEMATICS

5700A-1030
(3 of 4)

Figure 7-10. A10 Ohms Main PCA (cont)

8 7 6 5 4 3 2 1

D C B A

OHMS MAIN ASSEMBLY RELAYS

	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12	K13	K14	K15	K16	K17	K18	K19	K20	K21	K22	K23	K24	K25	K26	K27	K28	K29	K30	K31	K32	K33	K34	K35	K36	K37	K38	K39
10K OHM COMMON MODE MEASUREMENT																																R														
10K BIAS CURRENT MEASUREMENT 1ST																																R														
2ND																																R														
CAL INT 10K STD FROM EXT 10K STD 1ST	R																R																R													
2ND	R																R																R													
3RD	R	R															R		R														R													
CAL 10K FROM INT 10K STD 1ST																							R									R	R													
2ND																							R									R	R													
3RD																					R		R									R	R													
CAL 19K FROM INT 10K STD 1ST																							R										R	R	R											R
2ND																							R										R	R	R											R
3RD																					R		R										R	R	R											R
RATIO CAL 100K FROM 10K 1ST																				R		R										R	R						R					R		
2ND																					R	R										R	R						R							
RATIO CAL 190K FROM 19K 1ST																				R		R											R		R					R				R		R
2ND																					R	R											R		R					R						R
1M OHM COMMON MODE MEASUREMENT			R																R													R														
RATIO CAL 1M FROM 100K 1ST			R							R	R						R															R	R						R							
2ND			R								R						R		R	R												R	R						R					R		
RATIO CAL 1.9M FROM 190K 1ST			R												R	R																	R							R			R			R
2ND			R													R				R													R							R	R		R	R		R
RATIO CAL 10M FROM 1M 1ST			R					R	*								R															R	R						R							
2ND			R						*	R							R															R	R						R							
RATIO CAL 19M FROM 1.9M 1ST			R										*	*																			R							R			R			R
2ND			R											*	R																		R							R			R			R
100M BIAS CURRENT MEASUREMENT 1ST			R																R		R											R														
2ND			R					R																								R														
RATIO CAL 100M FROM 10M	R		R		*			R									R															R	R						R							
RATIO CAL 1K FROM 10K 1ST																					R		R									R	R						R							
2ND																							R			R						R	R						R							
RATIO CAL 1.9K FROM 19K 1ST																					R		R										R		R					R						R
2ND																							R			R							R		R					R						R
CAL INT DIVIDER 1ST																																R	R													
2ND																																R	R													
100 OHM BIAS MEASUREMENT 1ST																																R														
2ND																												R				R														
RATIO CAL 100 OHM FROM 1K 1ST																									R	R						R	R				R	R	R							
2ND																									R			R				R	R				R	R	R							
190 OHM BIAS MEASUREMENT 1ST																																														R
2ND																												R							R											R
RATIO CAL 190 OHM FROM 1.9K 1ST																									R	R							R		R		R			R						R
2ND																									R			R					R		R		R			R						R
10 OHM BIAS MEASUREMENT 1ST																																R														
2ND																															R	R														
RATIO CAL 10 OHM FROM 100 OHM 1ST																											R	R				R	R				R	R	R							
2ND																											R				R	R	R				R	R	R							
19 OHM BIAS MEASUREMENT 1ST																																														R
2ND																															R				R											R
RATIO CAL 19 OHM FROM 190 OHM 1ST																											R	R					R		R		R			R						R
2ND																											R				R		R		R		R			R						R
1 OHM COMMON MODE MEASUREMENT 1ST		R																	R																											
CAL 1 OHM FROM EXT 1 OHM STD 1ST		R																	R																											
1 OHM COMMON MODE MEASUREMENT 2ND																																														
CAL 1 OHM FROM EXT 1 OHM STD 2ND																																														
1.9 OHM COMMON MODE MEASUREMENT 1ST		R																	R																											
CAL 1.9 OHM FROM EXT 1 OHM STD 1ST		R																	R																											
1.9 OHM COMMON MODE MEASUREMENT 2ND																																														
CAL 1.9 OHM FROM EXT 1 OHM STD 2ND																																														
5725A AMP ZERO	R		R														R		R										R		R	R														

OHMS CAL ASSEMBLY RELAYS AND FETS

	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12	K13	K14	K15	K16	K17	K18	K19	K20	K21	K22	K23	K24	K25	K26	K27	K28	K29	K30	K31	Q2	Q3	Q4	Q6
10K OHM COMMON MODE MEASUREMENT										R		R	R												R	R					R					R				
10K BIAS CURRENT MEASUREMENT 1ST										R									R			R		R	R						R								*	
2ND										R								R				R		R	R						R								*	
CAL INT 10K STD FROM EXT 10K STD 1ST									R	R			R					R			R				R	R	R	R			R					R				
2ND									R	R			R						R		R				R	R	R	R			R					R				
3RD	R								R	R			R								R				R	R	R	R			R					R				
CAL 10K FROM INT 10K STD 1ST									R	R			R					R			R				R	R					R					R				
2ND									R	R			R						R		R				R	R					R					R				
3RD	R								R	R			R								R				R	R					R					R				
CAL 19K FROM INT 10K STD 1ST									R	R			R					R			R				R	R					R					R				
2ND									R	R			R						R		R				R	R					R					R				
3RD	R								R	R			R								R				R	R					R					R				
RATIO CAL 100K FROM 10K 1ST	R								R	R			R												R	R					R					R				
2ND	R								R	R			R												R	R					R					R				
RATIO CAL 190K FROM 19K 1ST	R								R	R			R												R	R					R					R				
2ND	R								R	R			R												R	R					R					R				
1M OHM COMMON MODE MEASUREMENT		R	R							R			R												R	R					R					R				
RATIO CAL 1M FROM 100K 1ST			R						R	R			R												R	R					R					R				
2ND			R						R	R			R												R	R					R					R				
RATIO CAL 1.9M FROM 190K 1ST			R						R	R			R												R	R					R					R				
2ND			R						R	R			R												R	R					R					R				
RATIO CAL 10M FROM 1M 1ST			R						R	R			R												R	R					R					R				
2ND			R						R	R			R												R	R					R					R				
RATIO CAL 19M FROM 1.9M 1ST			R						R	R			R												R	R					R					R				
2ND			R						R	R			R												R	R					R					R				
100M BIAS CURRENT MEASUREMENT 1ST			R							R															R	R					R					R			*	
2ND			R							R															R	R					R					R			*	
RATIO CAL 100M FROM 10M			R						R	R			R												R	R					R					R				
RATIO CAL 1K FROM 10K 1ST	R								R	R			R												R	R					R					R				
2ND	R								R	R			R												R	R					R					R				
RATIO CAL 1.9K FROM 19K 1ST	R								R	R			R												R	R					R					R				
2ND	R								R	R			R												R	R					R					R				
CAL INT DIVIDER 1ST									R	R			R			R				R		R		R	R						R									
2ND									R	R			R					R		R		R		R	R						R									
100 OHM BIAS MEASUREMENT 1ST												R							R			R		R	R						R									
2ND		R																				R		R	R						R									
RATIO CAL 100 OHM FROM 1K 1ST		R							R	R					R	R						R		R	R						R						*	*		
2ND		R							R	R					R			R				R		R	R						R						*	*		
190 OHM BIAS MEASUREMENT 1ST												R							R			R		R	R						R									
2ND		R																				R		R	R						R									
RATIO CAL 190 OHM FROM 1.9K 1ST																			R			R		R	R						R						*	*		
2ND		R										R										R		R	R						R						*	*		
10 OHM BIAS MEASUREMENT 1ST												R							R			R		R	R						R									
2ND		R																				R		R	R						R									
RATIO CAL 10 OHM FROM 100 OHM 1ST		R							R	R					R	R						R		R	R						R						*	*		
2ND		R							R	R					R			R				R		R	R						R						*	*		
19 OHM BIAS MEASUREMENT 1ST												R							R			R		R	R						R									
2ND		R																				R		R	R						R									
RATIO CAL 19 OHM FROM 190 OHM 1ST		R							R	R					R	R						R		R	R						R						*	*		
2ND		R							R	R					R			R				R		R	R						R						*	*		
1 OHM COMMON MODE MEASUREMENT 1ST	R						R				R		R													R					R	R					R				
CAL 1 OHM FROM EXT 1 OHM STD 1ST	R						R				R				R											R					R	R					R				
1 OHM COMMON MODE MEASUREMENT 2ND	R			R			R				R		R													R					R	R					R				
CAL 1 OHM FROM EXT 1 OHM STD 2ND	R			R			R				R															R					R	R					R			*	
1.9 OHM COMMON MODE MEASUREMENT 1ST	R										R		R													R					R	R			R		R				
CAL 1.9 OHM FROM EXT 1 OHM STD 1ST	R										R				R											R					R	R			R		R				
1.9 OHM COMMON MODE MEASUREMENT 2ND	R			R							R		R													R					R	R			R		R				
CAL 1.9 OHM FROM EXT 1 OHM STD 2ND	R			R							R															R					R	R			R		R			*	
5725A AMP ZERO			R																							R						R					R			*	

R = RESET POSITION FOR LATCHING RELAYS
* = ENERGIZED POSITION FOR NON LATCHING RELAYS AND ON FOR FETS
NOTE: RELAYS SHOWN IN THE SET POSITION ON THE SCHEMATICS

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Figure 7-10. A10 Ohms Main PCA (cont)

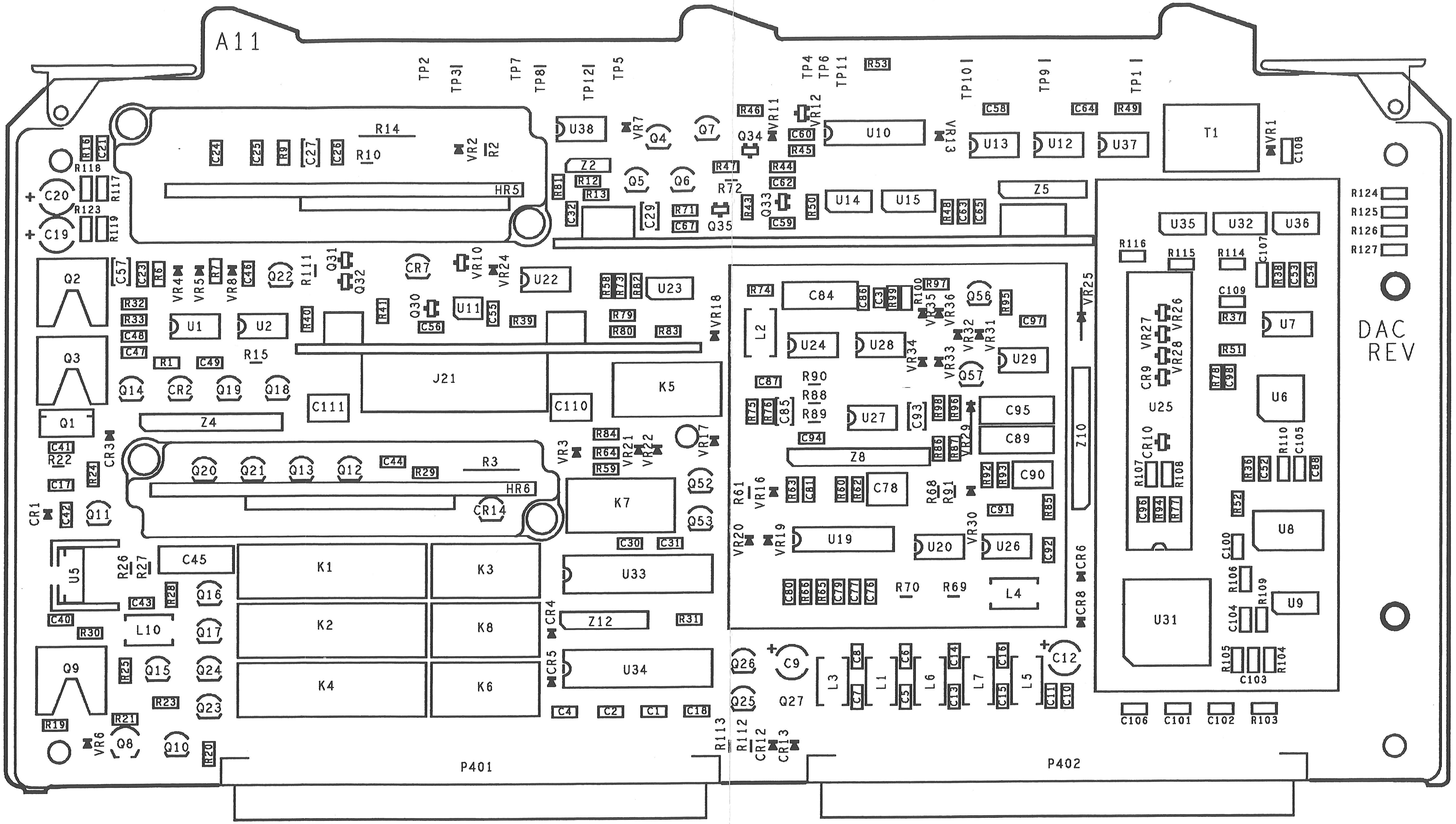


Figure 7-11. A11 DAC PCA

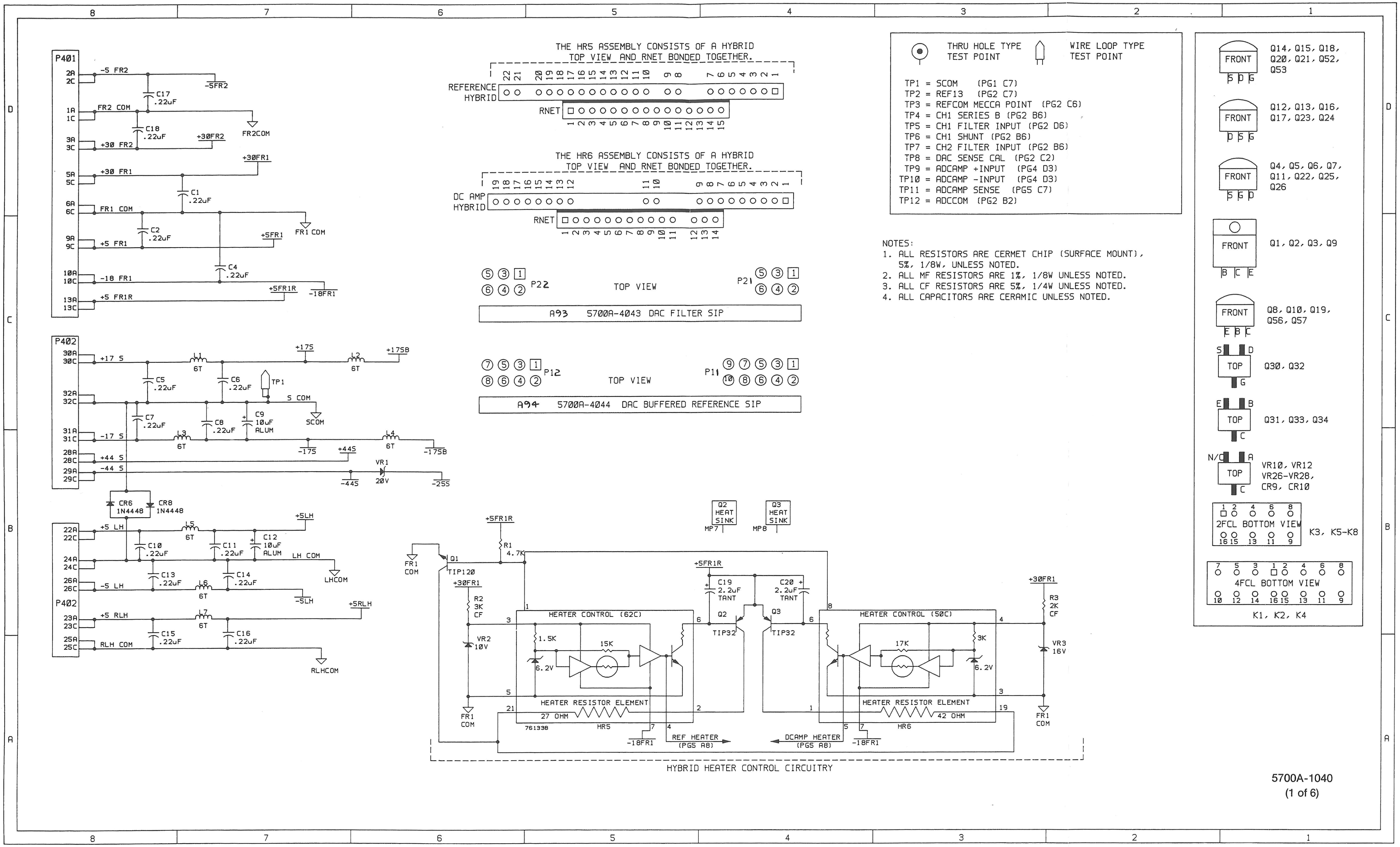
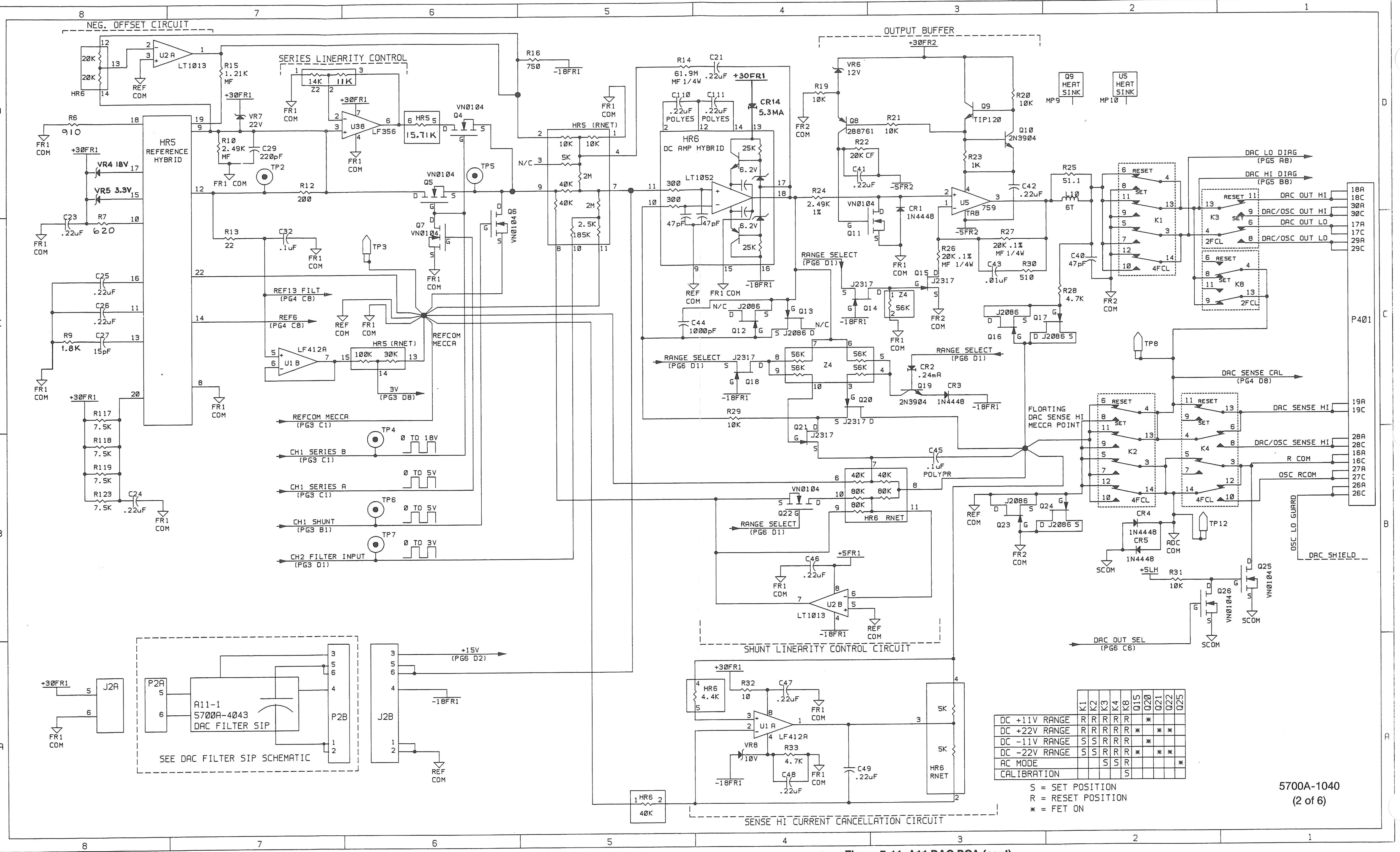


Figure 7-11. A11 DAC PCA (cont)



	K1	K2	K3	K4	K8	Q15	Q20	Q21	Q22	Q25
DC +11V RANGE	R	R	R	R	R		*			
DC +22V RANGE	R	R	R	R	R	*		*	*	
DC -11V RANGE	S	S	R	R	R		*			
DC -22V RANGE	S	S	R	R	R	*		*	*	
AC MODE			S	S	R					*
CALIBRATION					S					

S = SET POSITION
R = RESET POSITION
* = FET ON

Figure 7-11. A11 DAC PCA (cont)

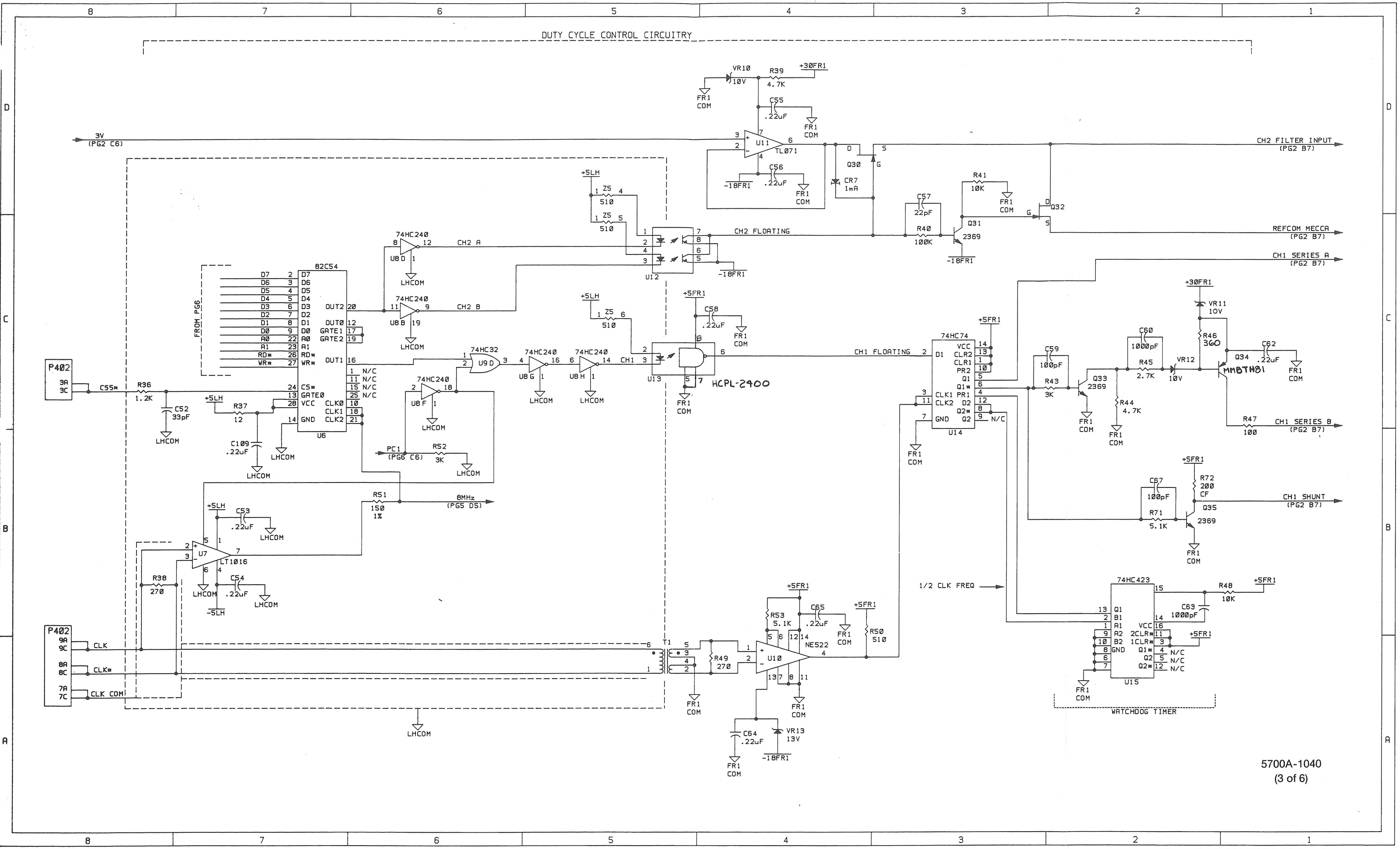


Figure 7-11. A11 DAC PCA (cont)

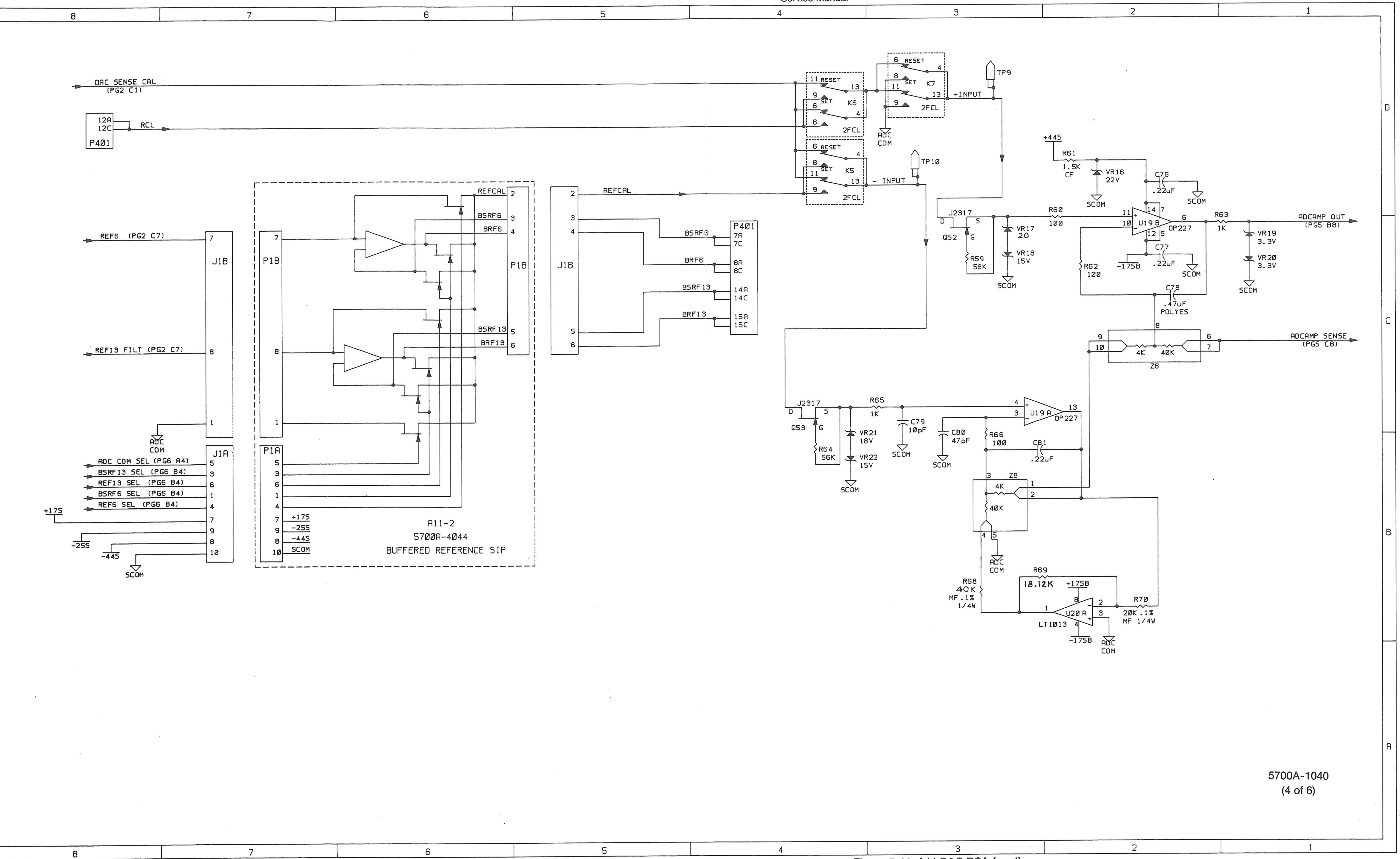


Figure 7-11. A11 DAC PCA (cont)

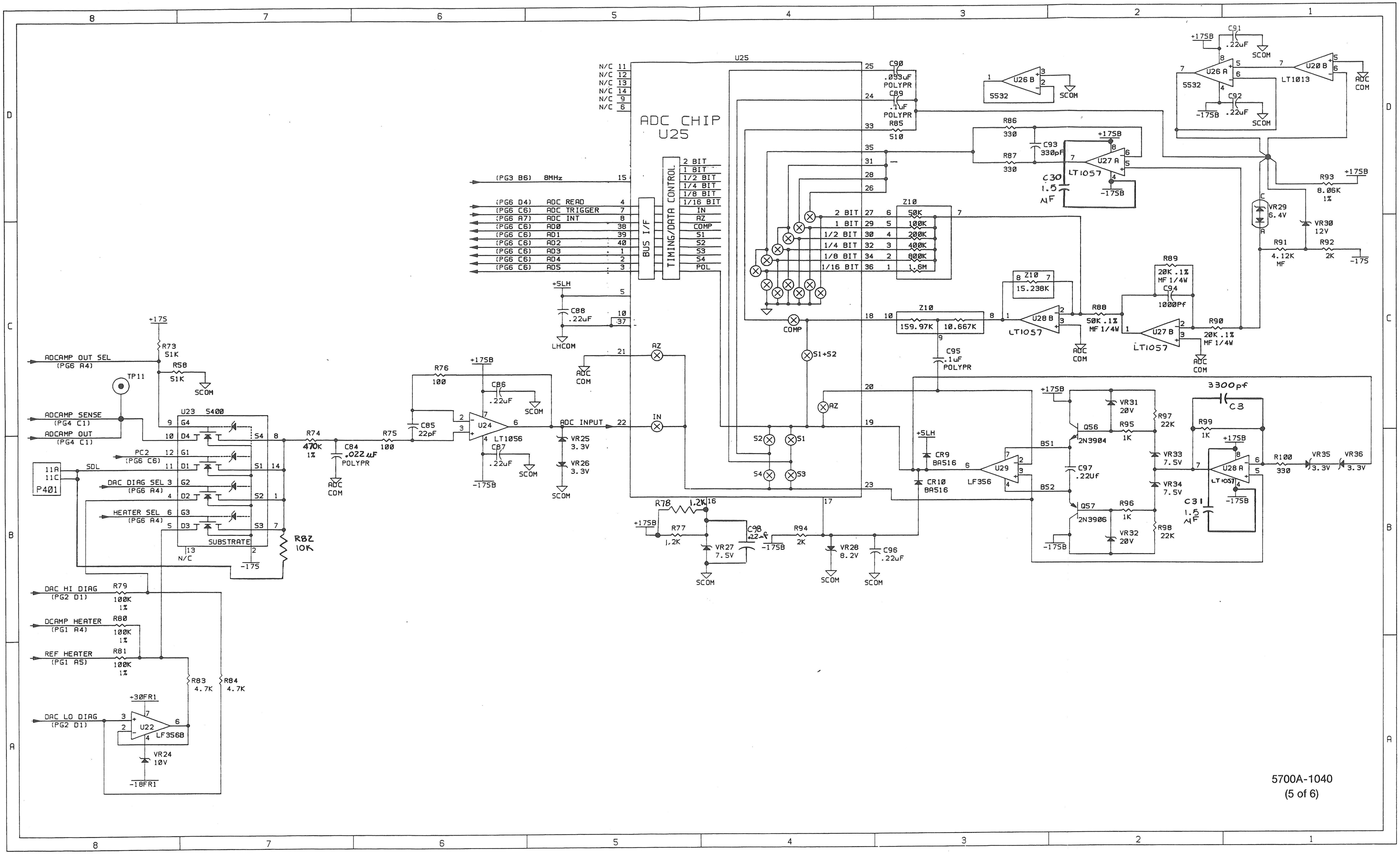


Figure 7-11. A11 DAC PCA (cont)

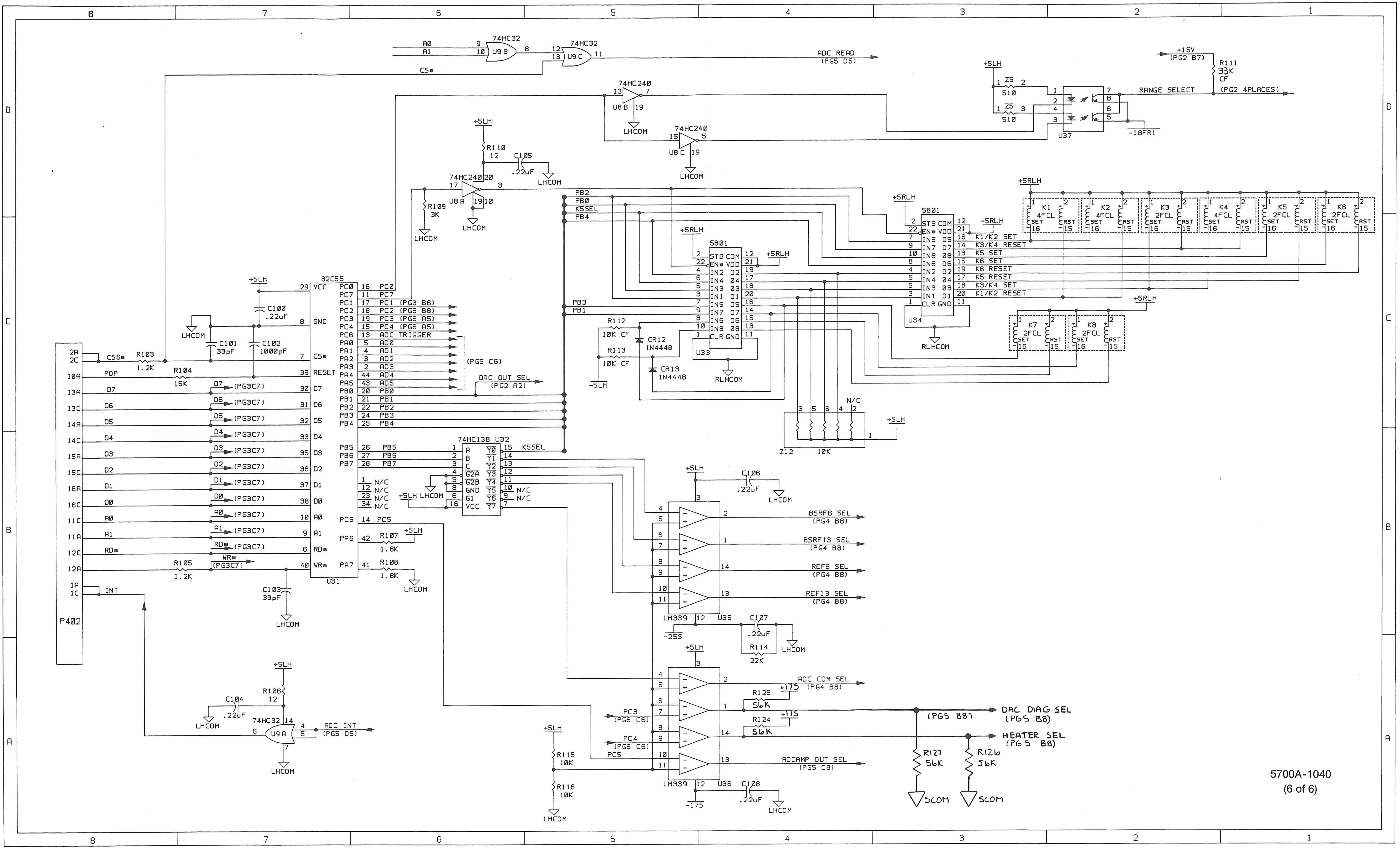


Figure 7-11. A11 DAC PCA (cont)

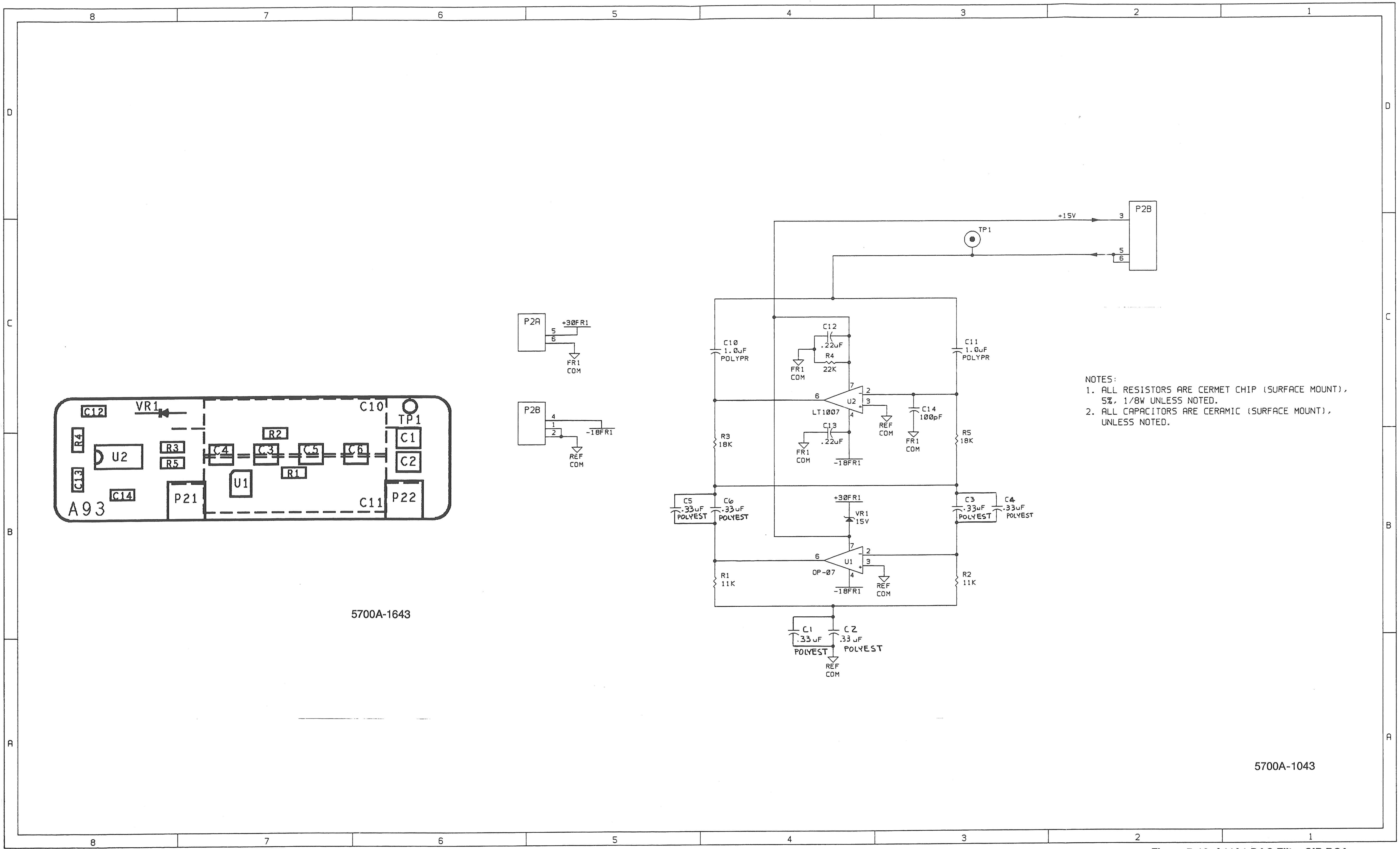
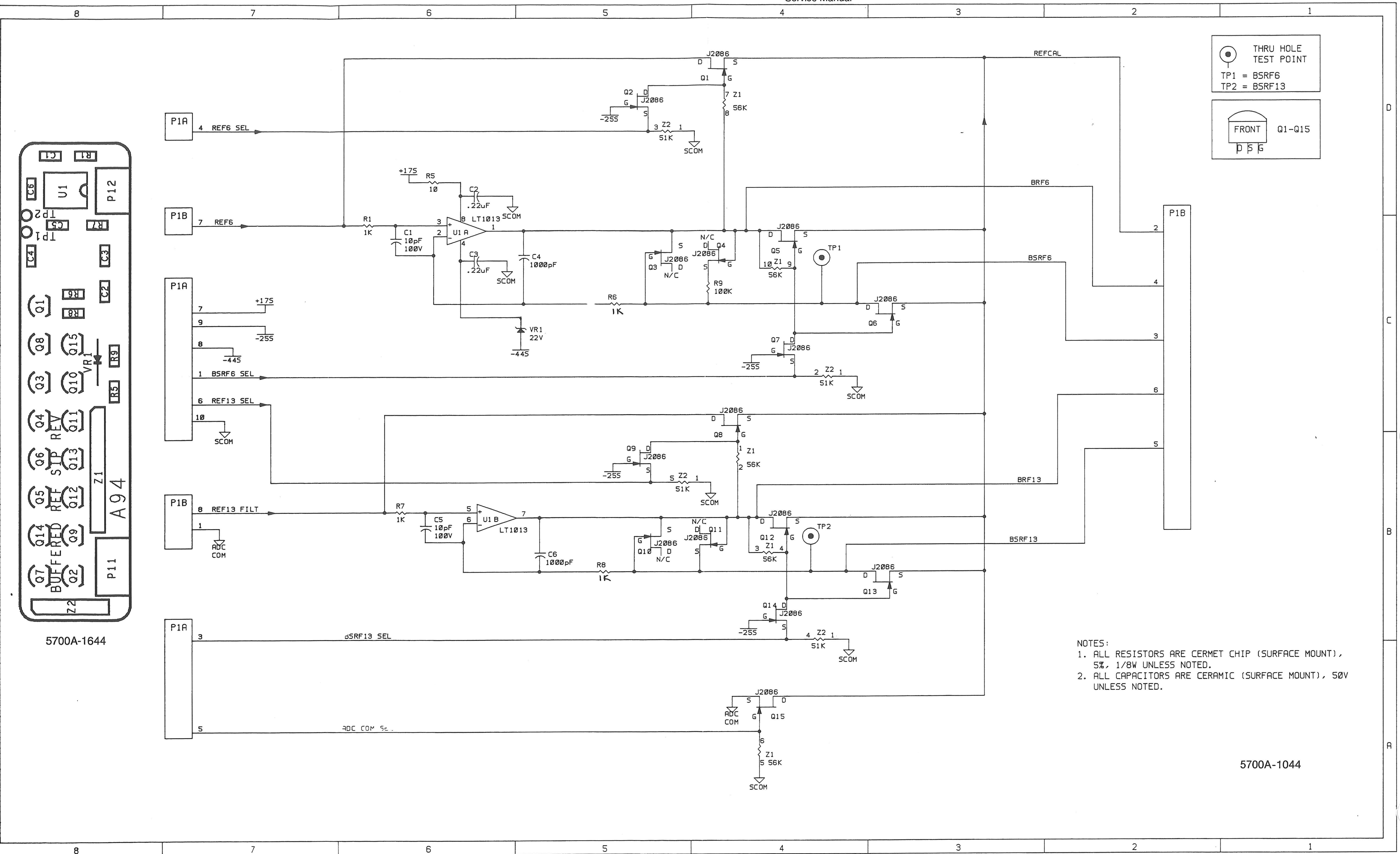


Figure 7-12. A11A1 DAC Filter SIP PCA



NOTES:
1. ALL RESISTORS ARE CERMET CHIP (SURFACE MOUNT), 5%, 1/8W UNLESS NOTED.
2. ALL CAPACITORS ARE CERAMIC (SURFACE MOUNT), 50V UNLESS NOTED.

Figure 7-13. A11A2 DAC Buffered Reference SIP PCA

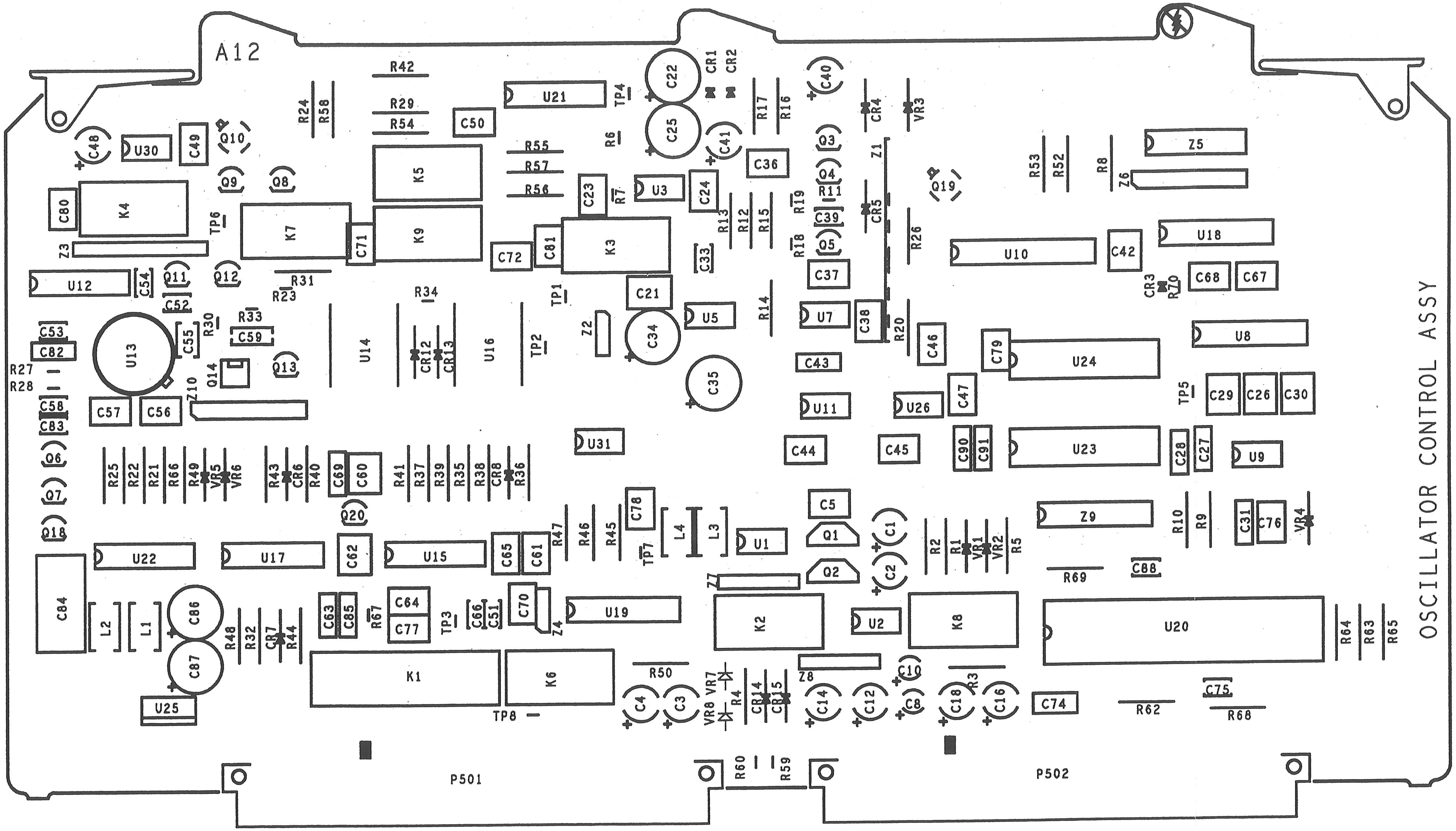


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Figure 7-14. A12 Oscillator Control PCA (cont)

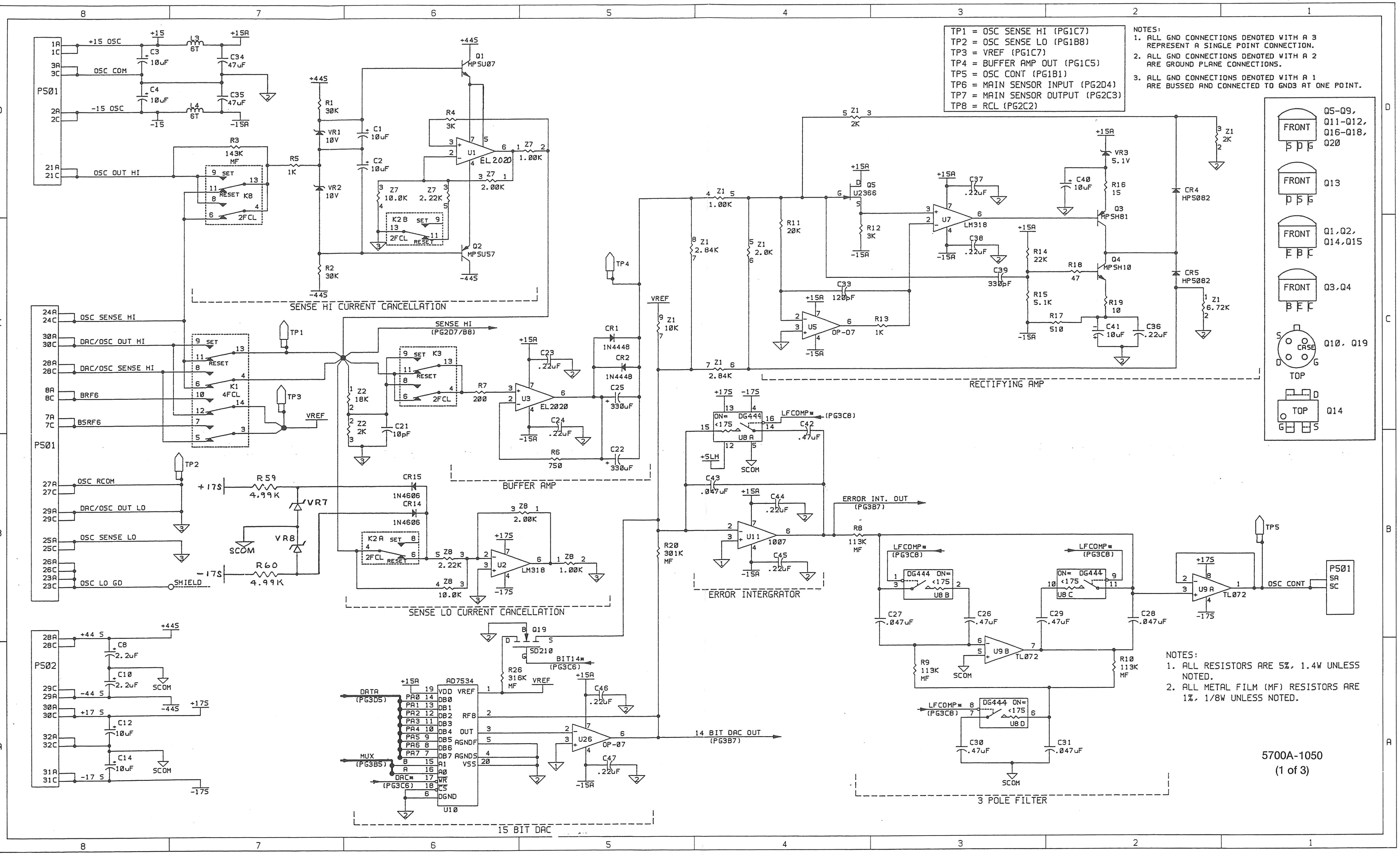


Figure 7-14. A12 Oscillator Control PCA (cont)

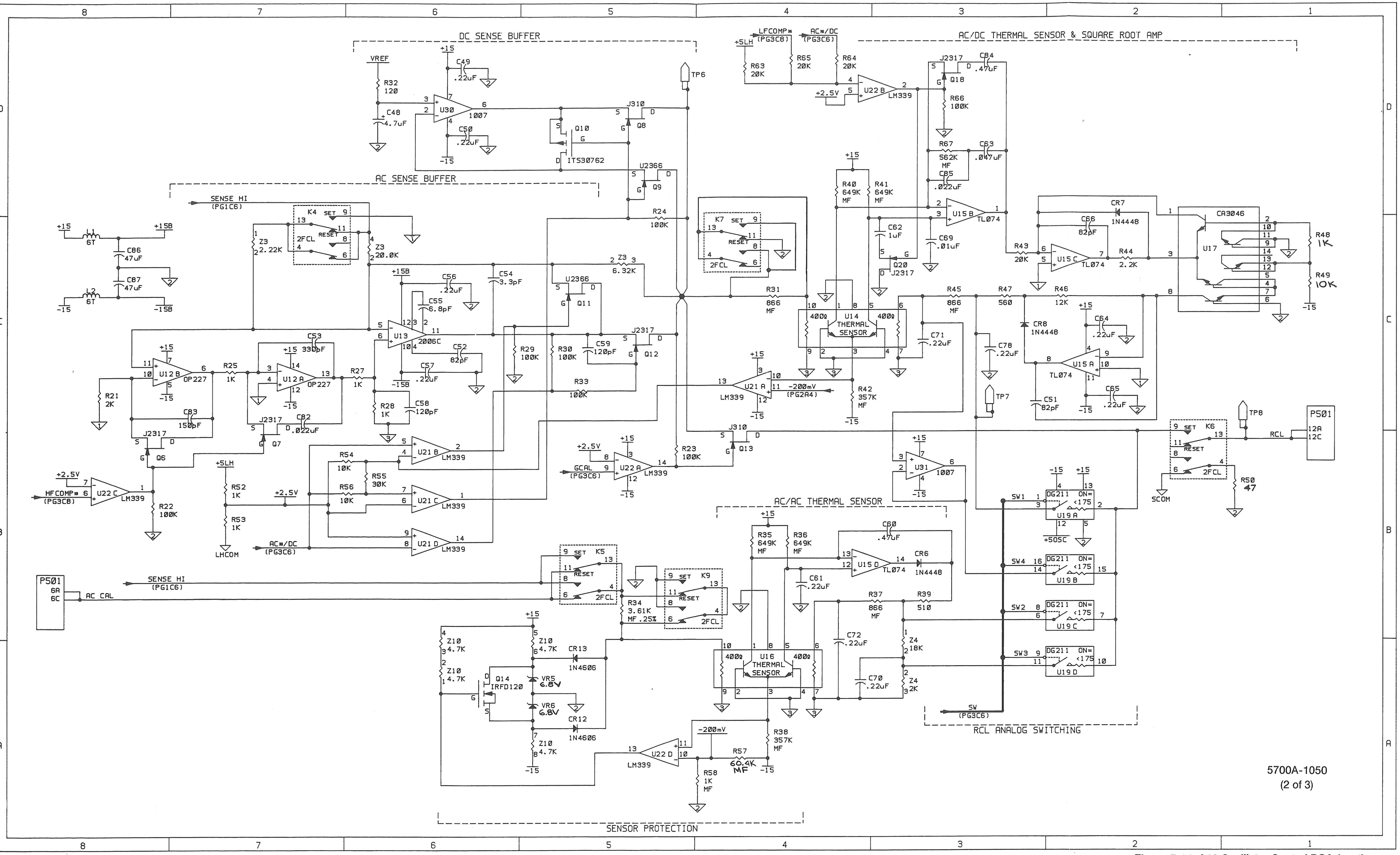
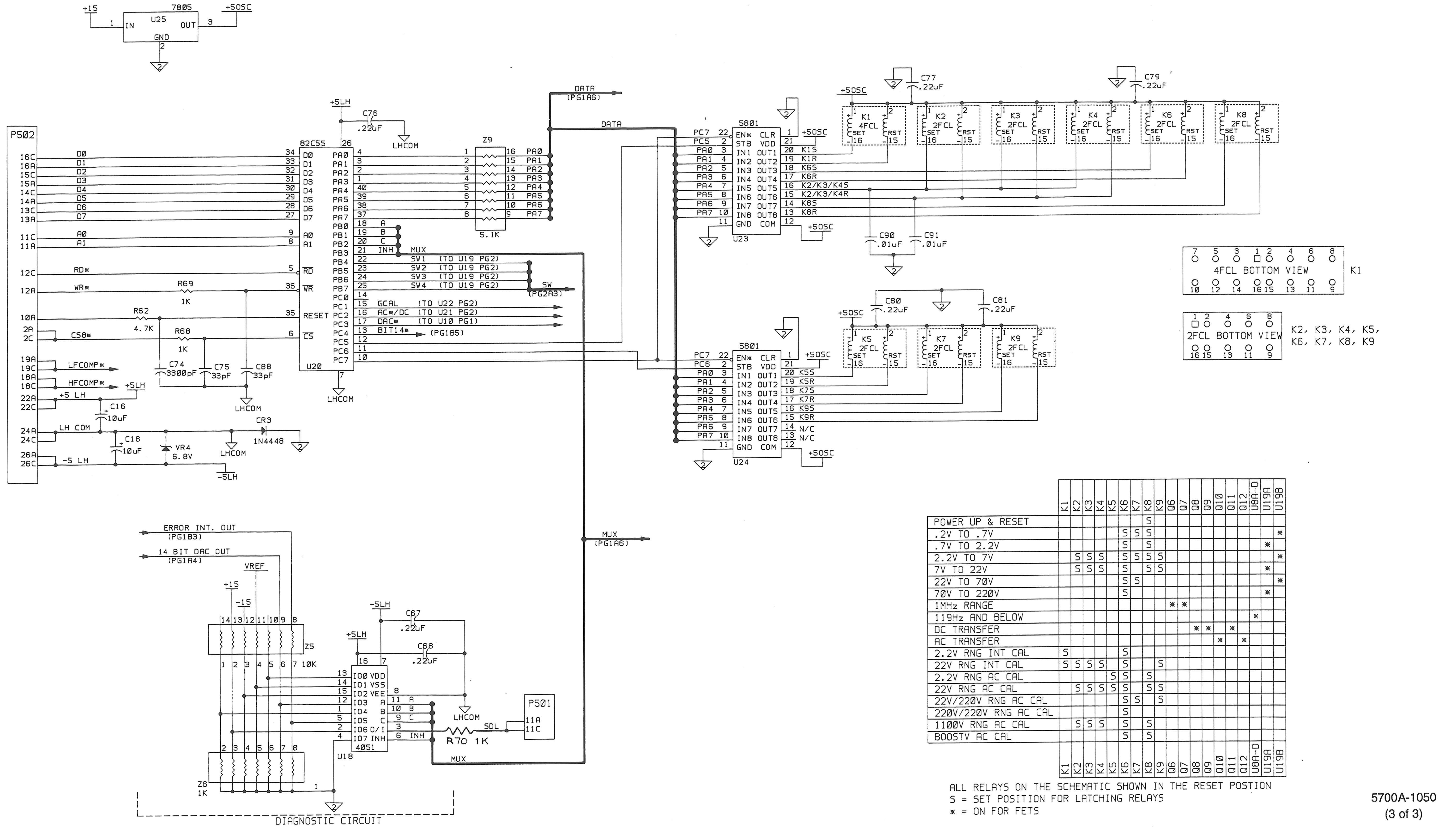


Figure 7-14. A12 Oscillator Control PCA (cont)



	K1	K2	K3	K4	K5	K6	K7	K8	K9	Q6	Q7	Q8	Q9	Q10	Q11	Q12	U8A-D	U19A	U19B
POWER UP & RESET								S											
.2V TO .7V						S	S	S											*
.7V TO 2.2V						S		S										*	
2.2V TO 7V		S	S	S		S	S	S	S										*
7V TO 22V		S	S	S		S		S	S									*	
22V TO 70V						S	S												*
70V TO 220V						S												*	
1MHz RANGE										*	*								
119Hz AND BELOW																	*		
DC TRANSFER												*	*		*				
AC TRANSFER														*		*			
2.2V RNG INT CAL	S					S													
22V RNG INT CAL	S	S	S	S		S			S										
2.2V RNG AC CAL					S	S		S											
22V RNG AC CAL		S	S	S	S	S		S	S										
22V/220V RNG AC CAL						S	S		S										
220V/220V RNG AC CAL						S													
1100V RNG AC CAL		S	S	S		S		S											
BOOSTV AC CAL						S		S											

ALL RELAYS ON THE SCHEMATIC SHOWN IN THE RESET POSTION
S = SET POSITION FOR LATCHING RELAYS
* = ON FOR FETS

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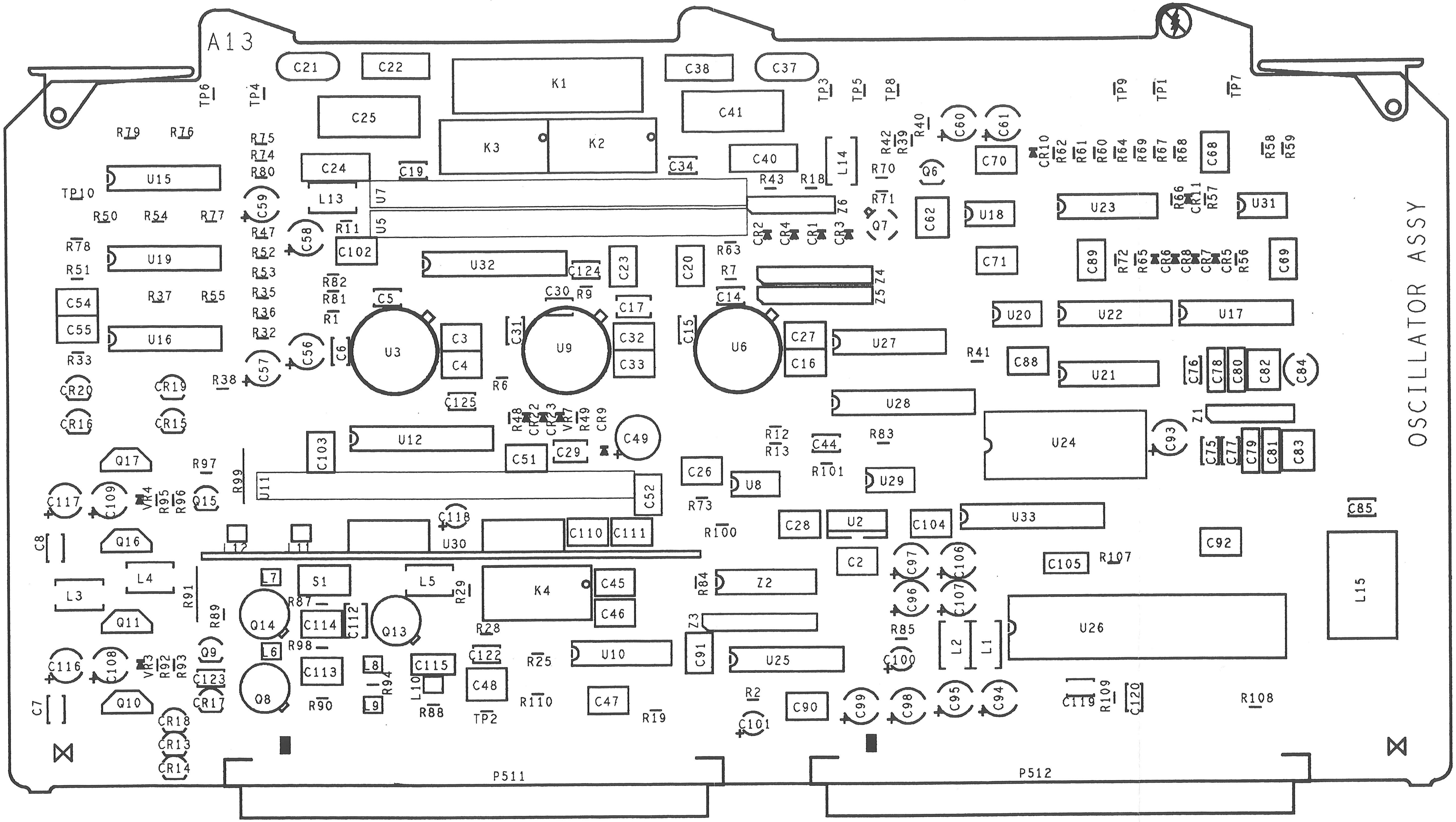
Figure 7-14. A12 Oscillator Control PCA (cont)



5700A-1651

Figure 7-15. A13 Oscillator Output PCA

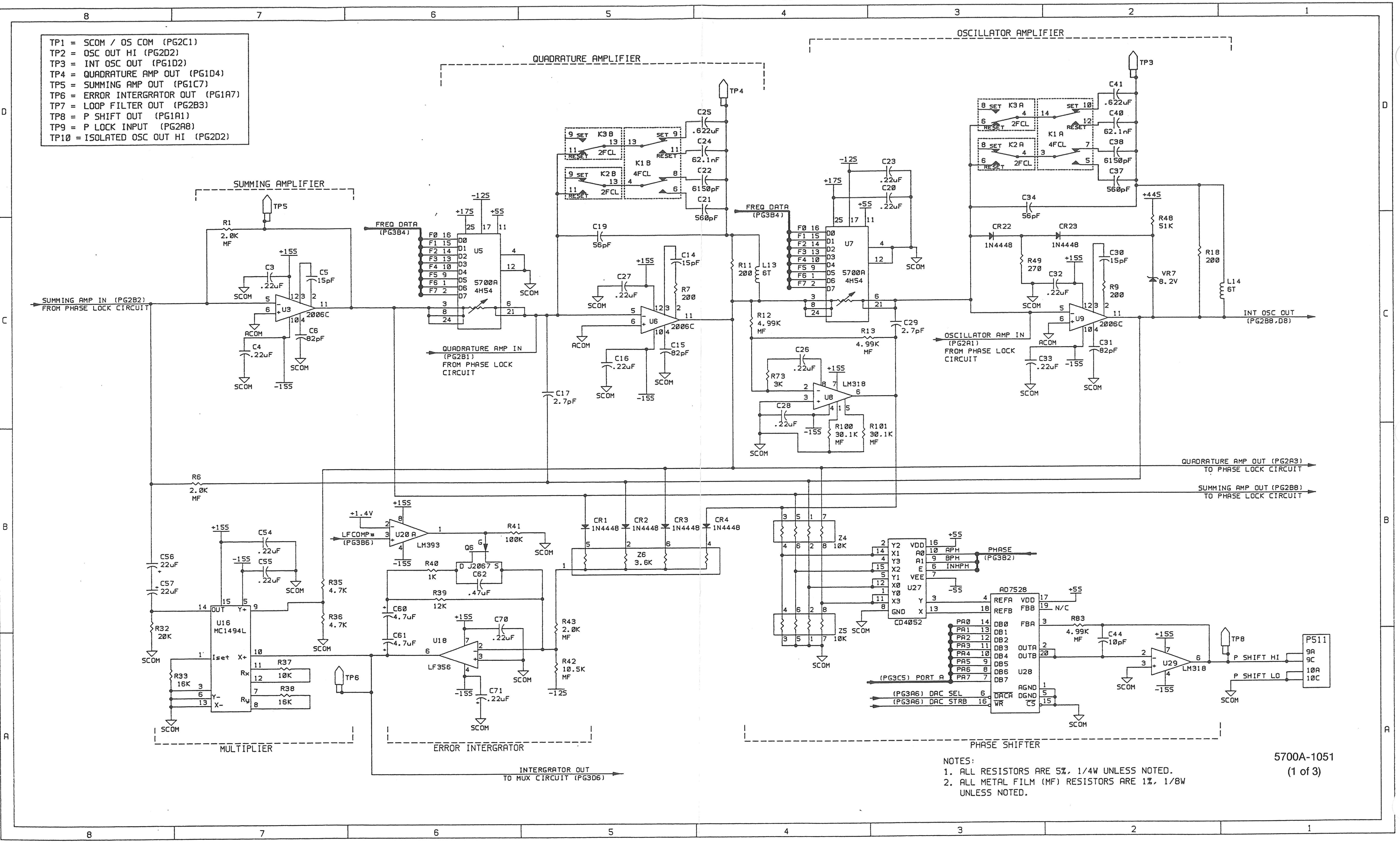


Figure 7-15. A13 Oscillator Output PCA (cont)

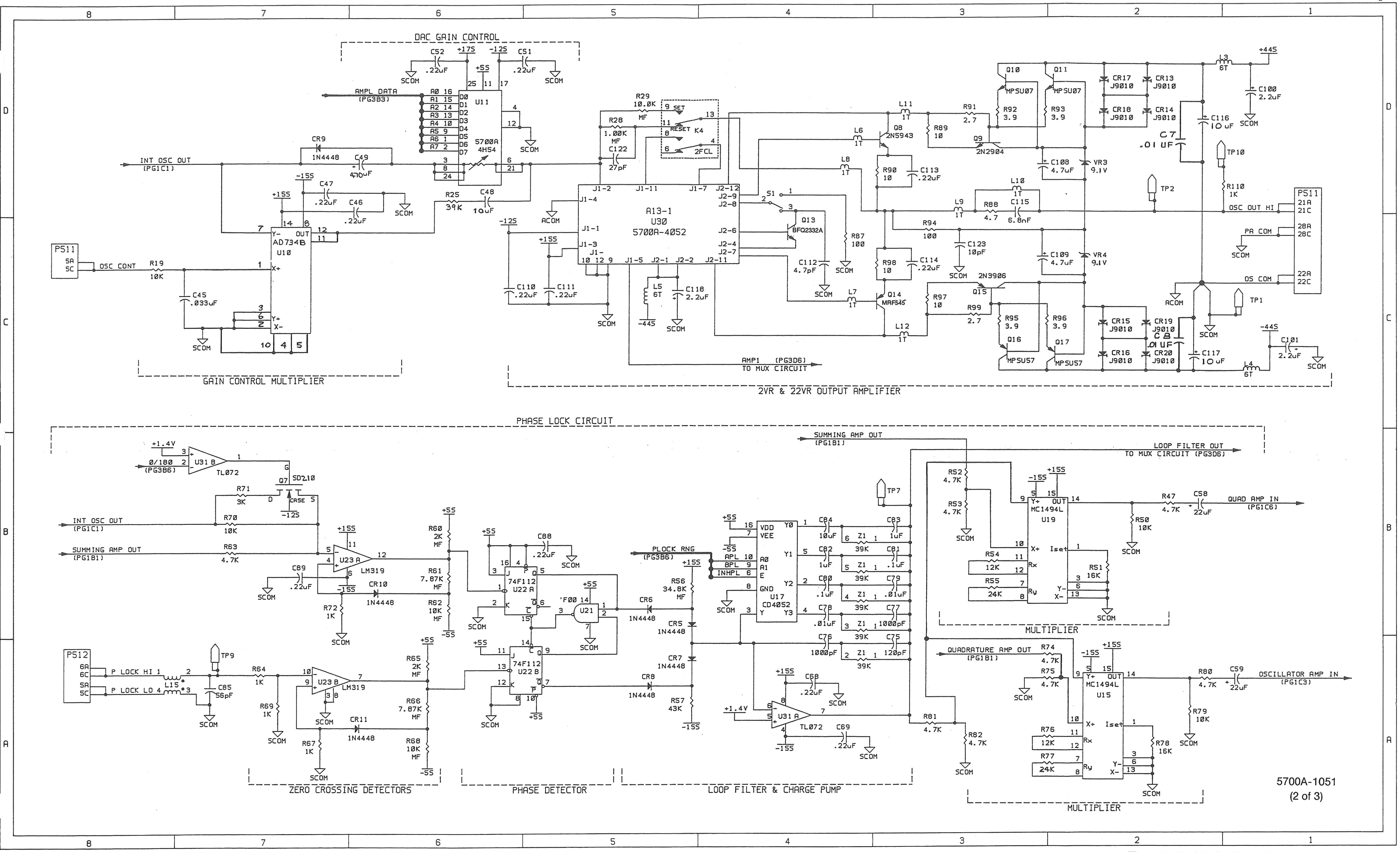
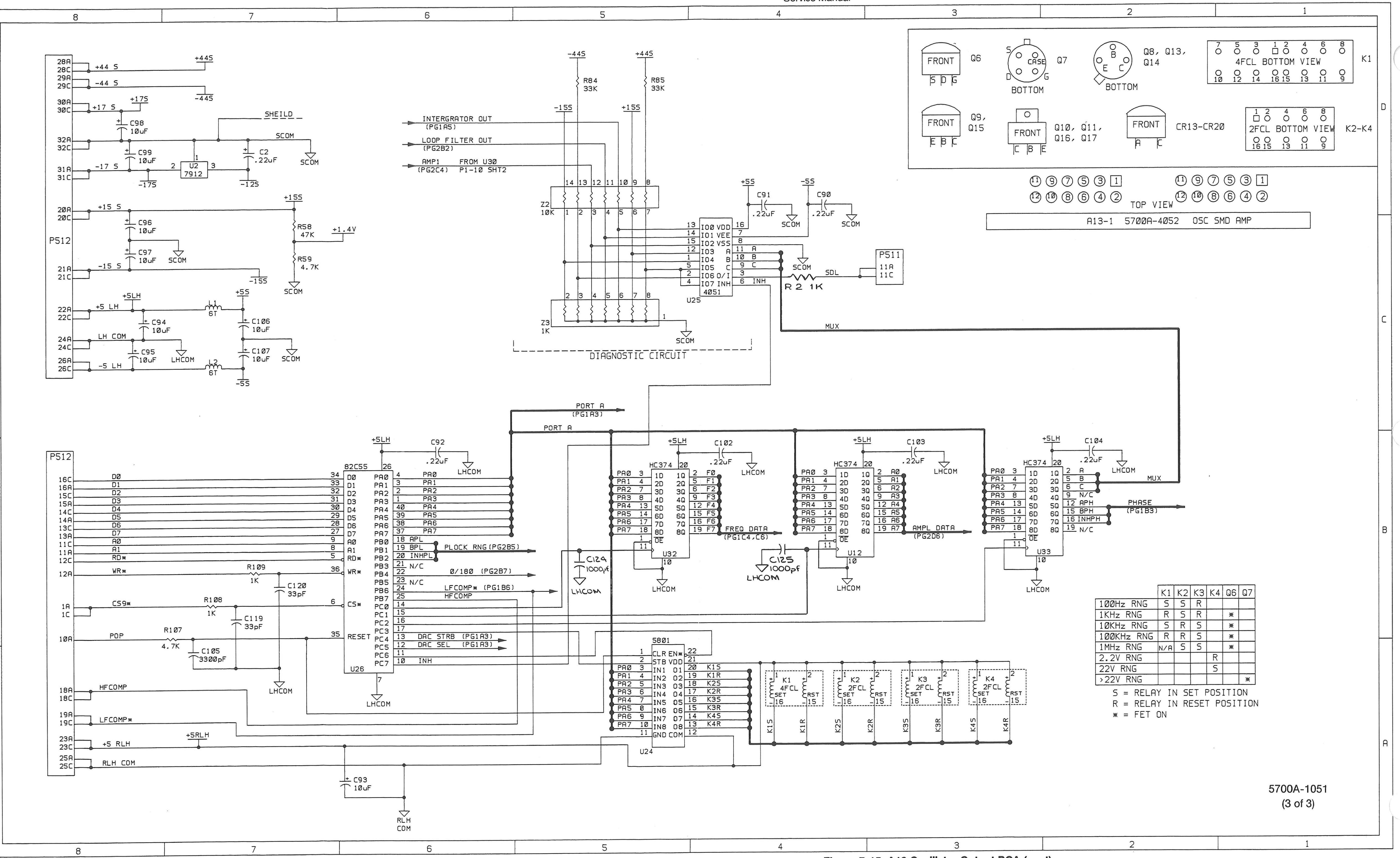


Figure 7-15. A13 Oscillator Output PCA (cont)



	K1	K2	K3	K4	Q6	Q7
100Hz RNG	S	S	R			
1KHz RNG	R	S	R		*	
10KHz RNG	S	R	S		*	
100KHz RNG	R	R	S		*	
1MHz RNG	N/A	S	S		*	
2.2V RNG				R		
22V RNG				S		
>22V RNG						*

S = RELAY IN SET POSITION
R = RELAY IN RESET POSITION
* = FET ON

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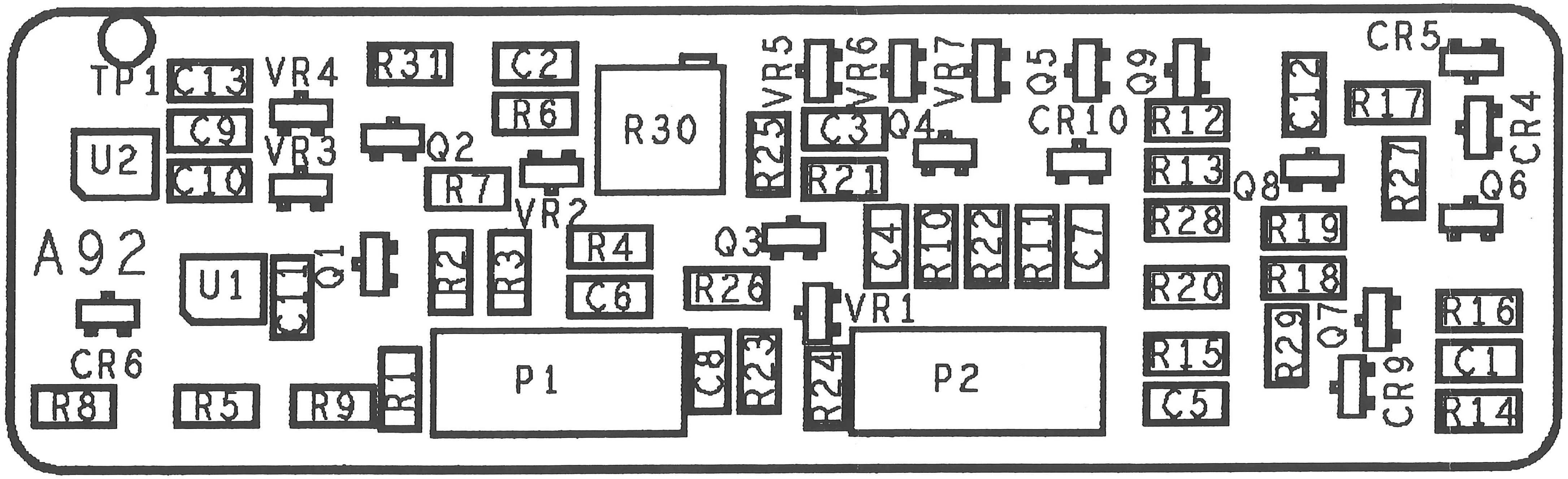
Figure 7-15. A13 Oscillator Output PCA (cont)



5700A-1652

Figure 7-16. A13A1 Oscillator Wideband SMD PCA

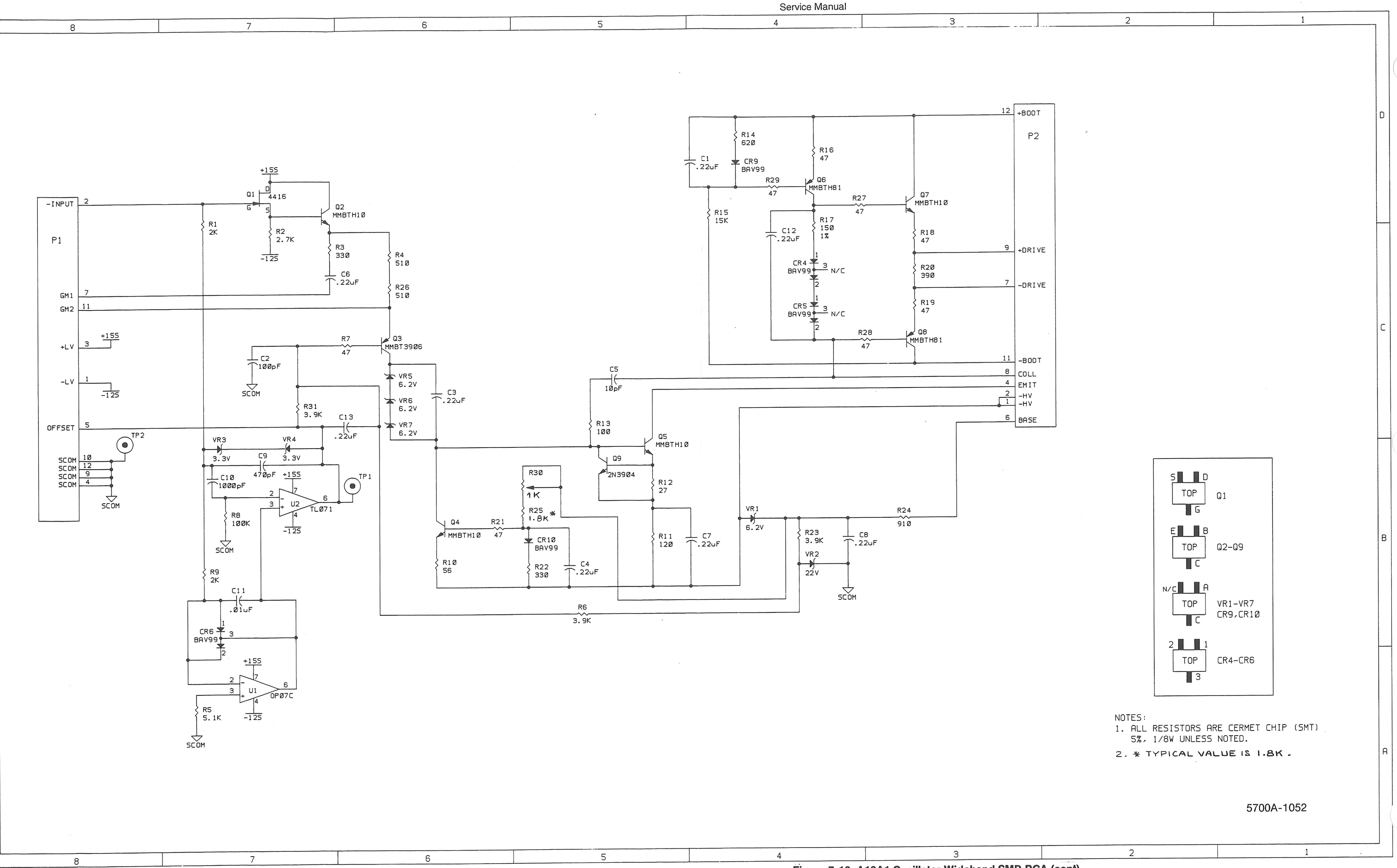
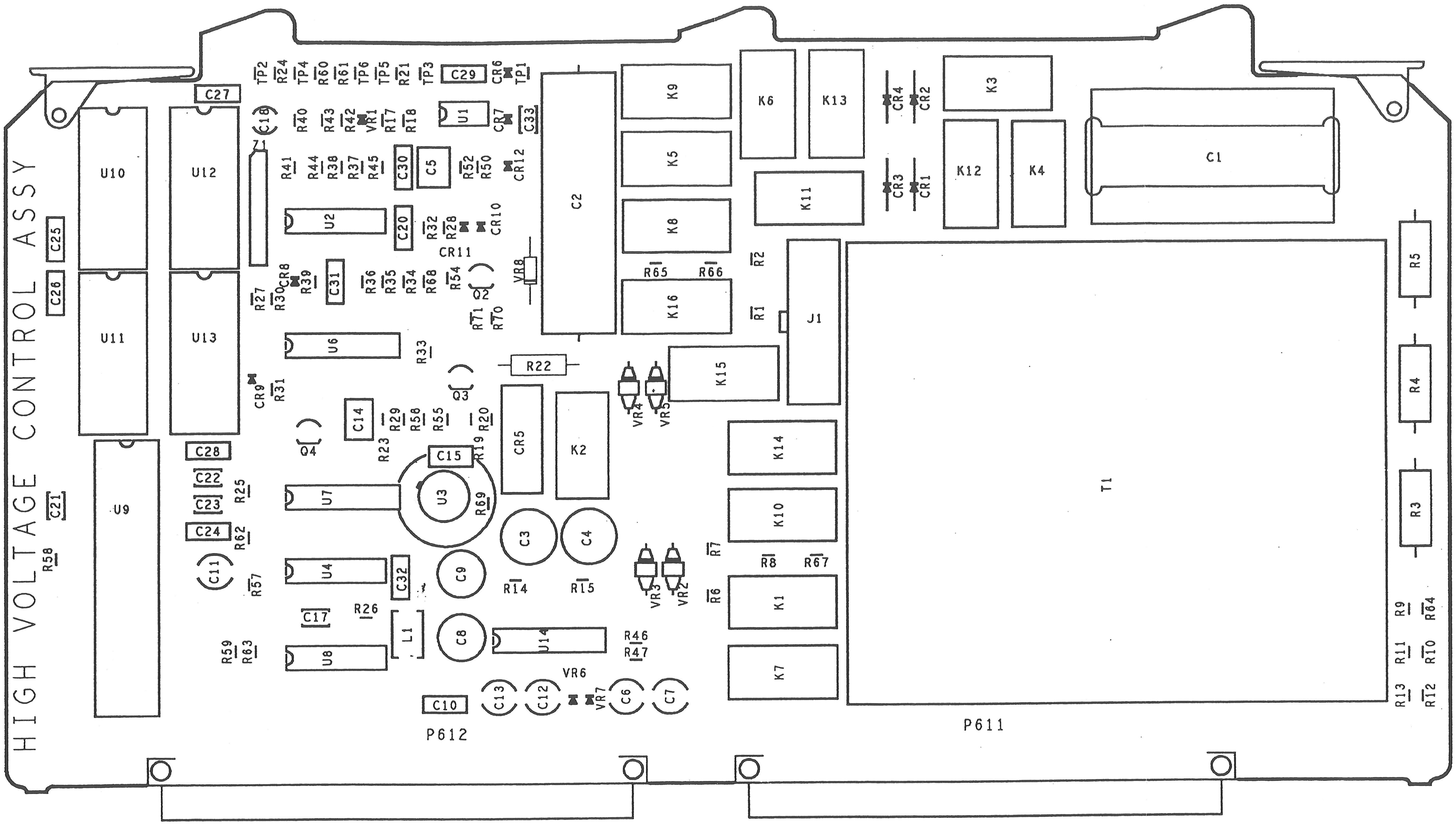
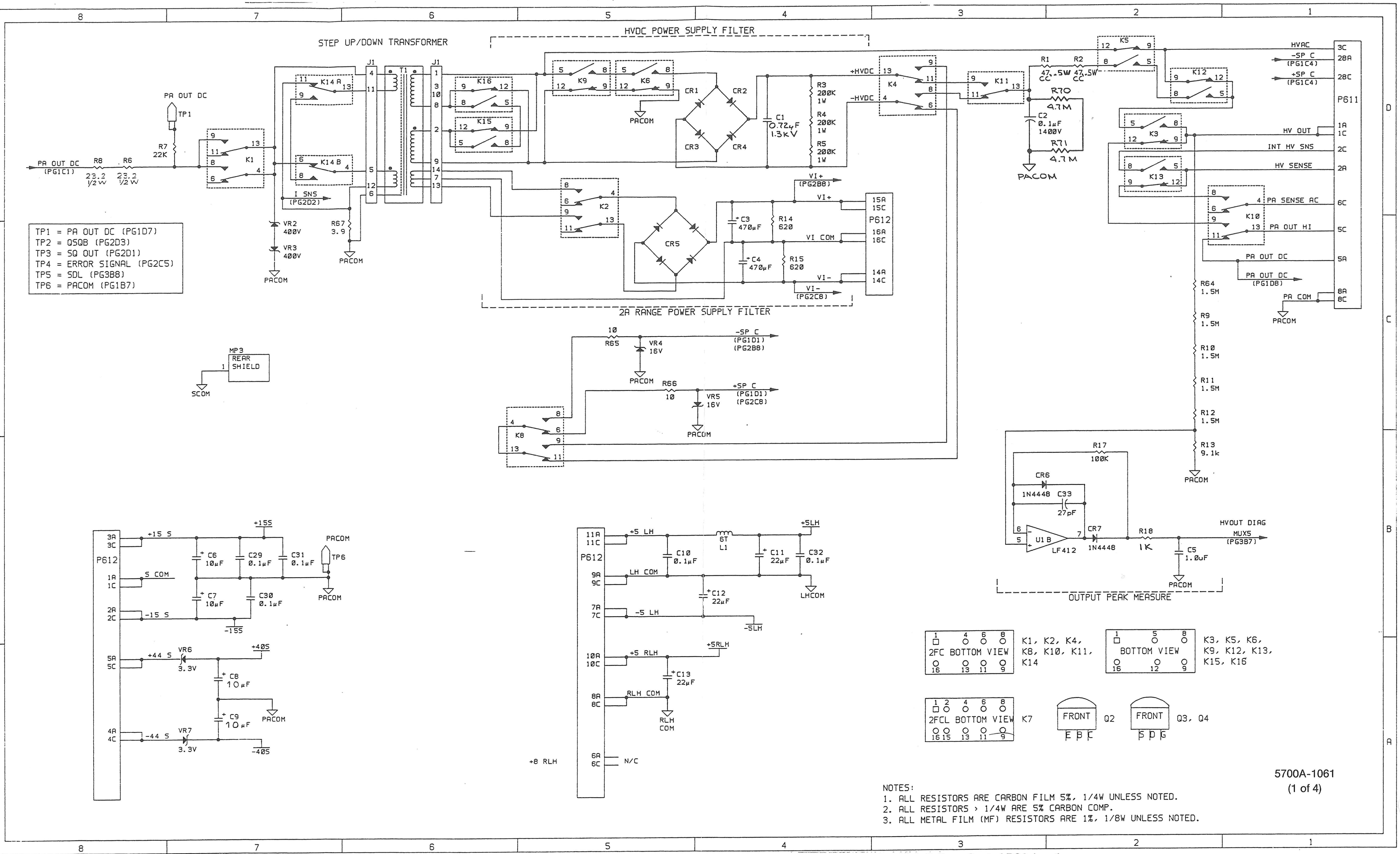


Figure 7-16. A13A1 Oscillator Wideband SMD PCA (cont)



5700A-1661

Figure 7-17. A14 High Voltage Control PCA



NOTES:
1. ALL RESISTORS ARE CARBON FILM 5%, 1/4W UNLESS NOTED.
2. ALL RESISTORS > 1/4W ARE 5% CARBON COMP.
3. ALL METAL FILM (MF) RESISTORS ARE 1%, 1/8W UNLESS NOTED.

Figure 7-17. A14 High Voltage Control PCA (cont)

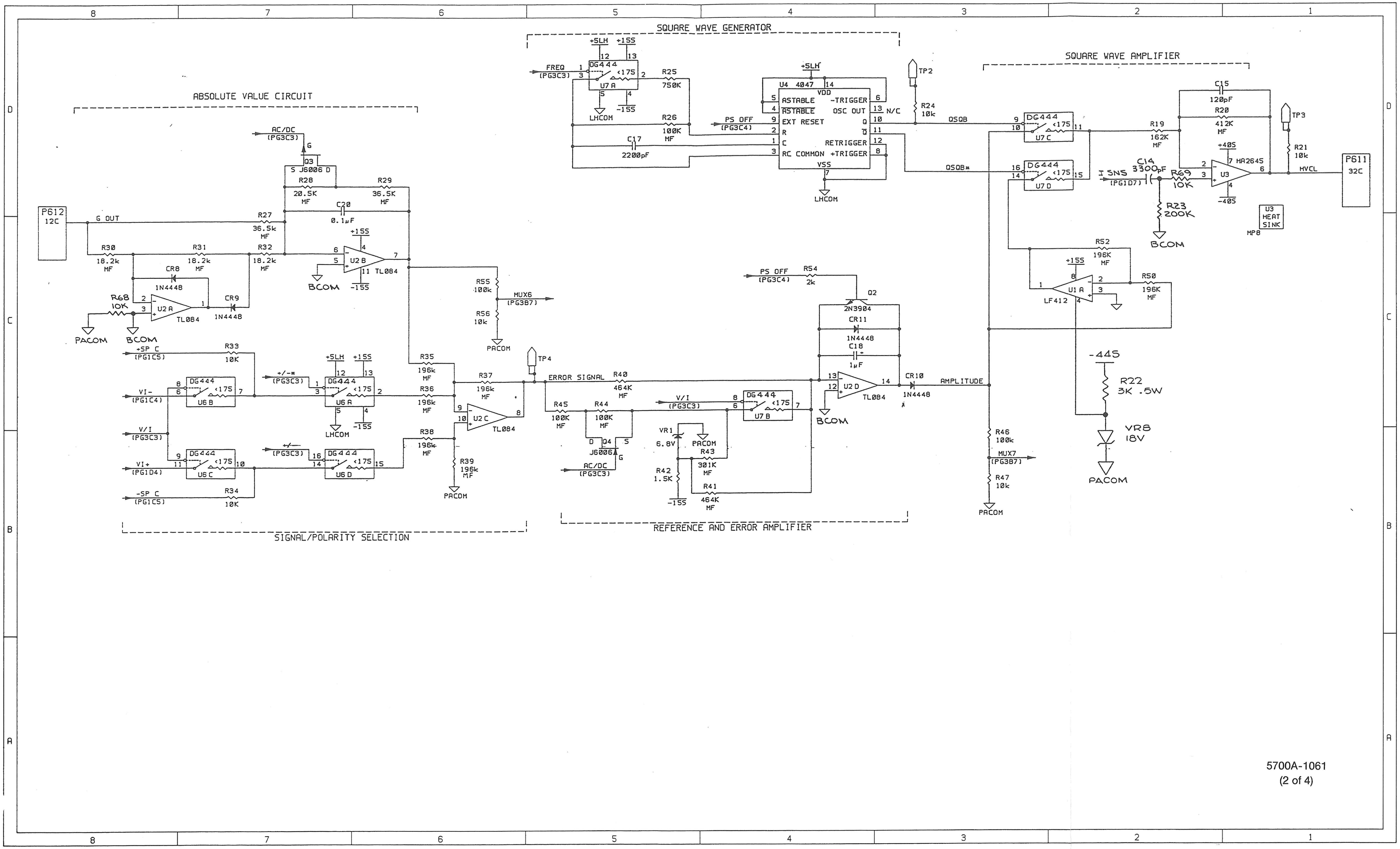


Figure 7-17. A14 High Voltage Control PCA (cont)

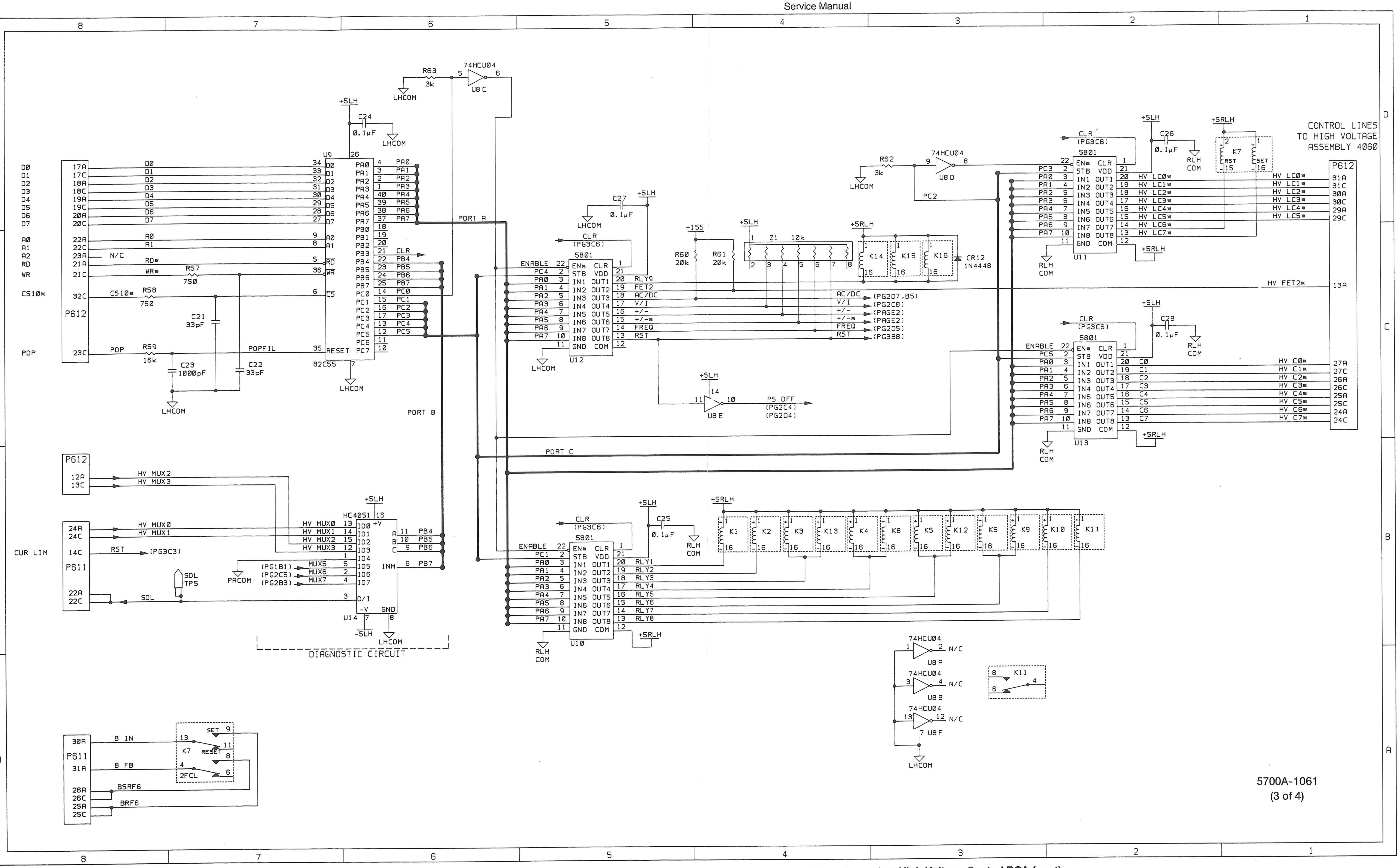


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Figure 7-17. A14 High Voltage Control PCA (cont)

HIGH VOLTAGE A15 ASSEMBLY

	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12	K14	Q10
DORMANT	R	R	R											*
AC 220V RANGE	R	R	R											*
DC 220V RANGE	R	R	R											*
AC 1100V RANGE	R	R	R	*		*								*
DC +1100V RANGE	S	R	S		*	*	*						*	*
DC -1100V RANGE	S	R	S		*	*	*						*	*
AC 2.2A RANGE	R	R	R								*	*		
DC +2.2A RANGE	R	R	R								*	*		
DC -2.2A RANGE	R	R	R								*	*		
OFFSET CAL HR7 RNET	S	R	S		*		*		*				*	*
GAIN CAL HR7 RNET	R	S	S					*						*
AC 220V AC FREQ CHAR	R	R	R								*	*		*
AC 1100V AC FREQ CHAR	R	R	R	*		*		*		*	*	*		*
OFFSET CAL CURRENT RNET	R	R	R								*	*		
GAIN CAL CURRENT RNET	R	R	R								*	*		

HIGH VOLTAGE CONTROL A14 ASSEMBLY

	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12	K13	K14	K15	K16	Q3	Q4	U6A	U6B	U6C	U6D	U7A	U7B
DORMANT							R												*					
AC 220V RANGE							R			*									*					
DC 220V RANGE							R												*					
AC 1100V RANGE	*		*				R						*	1	1	1			*					
DC +1100V RANGE	*		*		*	*	R		*		*	*	*						*					
DC -1100V RANGE	*		*	*	*	*	R	*	*			*	*									*		
AC 2.2A RANGE	*	*			*		R					*					*	*		*	*	*		*
DC +2.2A RANGE	*	*			*		R					*								*	*	*		*
DC -2.2A RANGE	*	*			*		R					*							*	*	*			*
OFFSET CAL HR7 RNET							R												*					
GAIN CAL HR7 RNET							R												*					
AC 220V AC FREQ CHAR							R			*									*					
AC 1100V AC FREQ CHAR	*		*				R						*						*					
OFFSET CAL CURRENT RNET	*	*			*		R					*								*	*	*		*
GAIN CAL CURRENT RNET	*	*			*		R					*								*	*	*		*

R = RESET POSITION FOR LATCHING RELAYS
S = SET POSITION FOR LATCHING RELAYS
* = ENERGIZED FOR NON-LATCHING RELAYS
* = ON FOR FETS
1 = ENERGIZED DURING OPERATION BELOW 120Hz ONLY
RELAY K7 IS SET DURING CALIBRATION OF THE 1.9 OHM ON THE OHMS CAL ASSEMBLY

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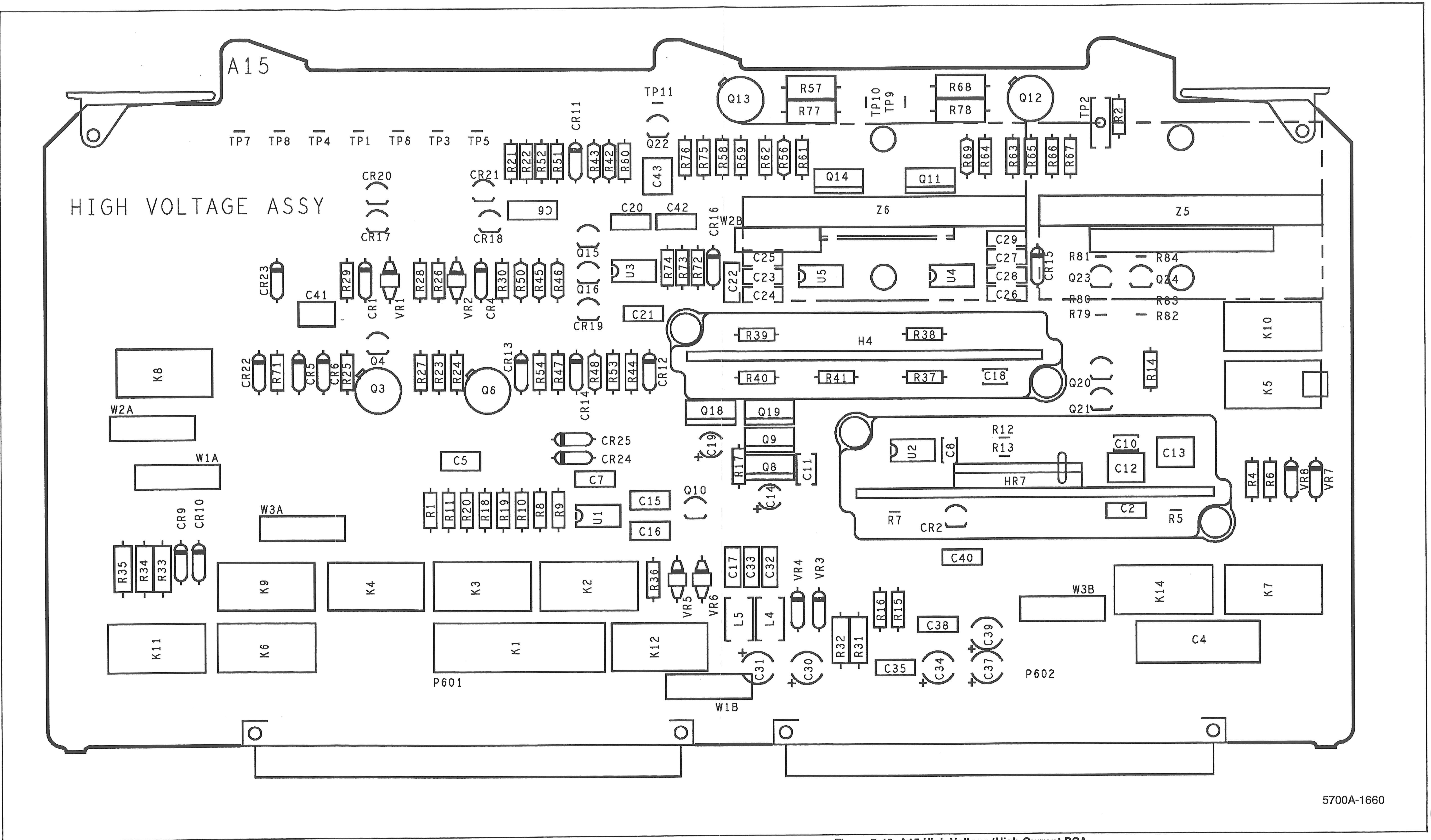
Figure 7-17. A14 High Voltage Control PCA (cont)


A15
HIGH VOLTAGE ASSY
TP7 TP8 TP4 TP1 TP6 TP3 TP5
TP11
TP10 TP9
TP2
Q13 Q12 Q22 Q14 Q11 Q15 Q16 Q23 Q24 Q4 Q3 Q6 Q20 Q21 Q18 Q19 Q9 Q8 Q10
R57 R77 R68 R78 R2
Z6 Z5
H4
HR7
U1 U2 U3 U4 U5
K1 K2 K3 K4 K5 K6 K7 K8 K9 K10 K11 K12 K14
W1A W1B W2A W2B W3A W3B
P601 P602
5700A-1660

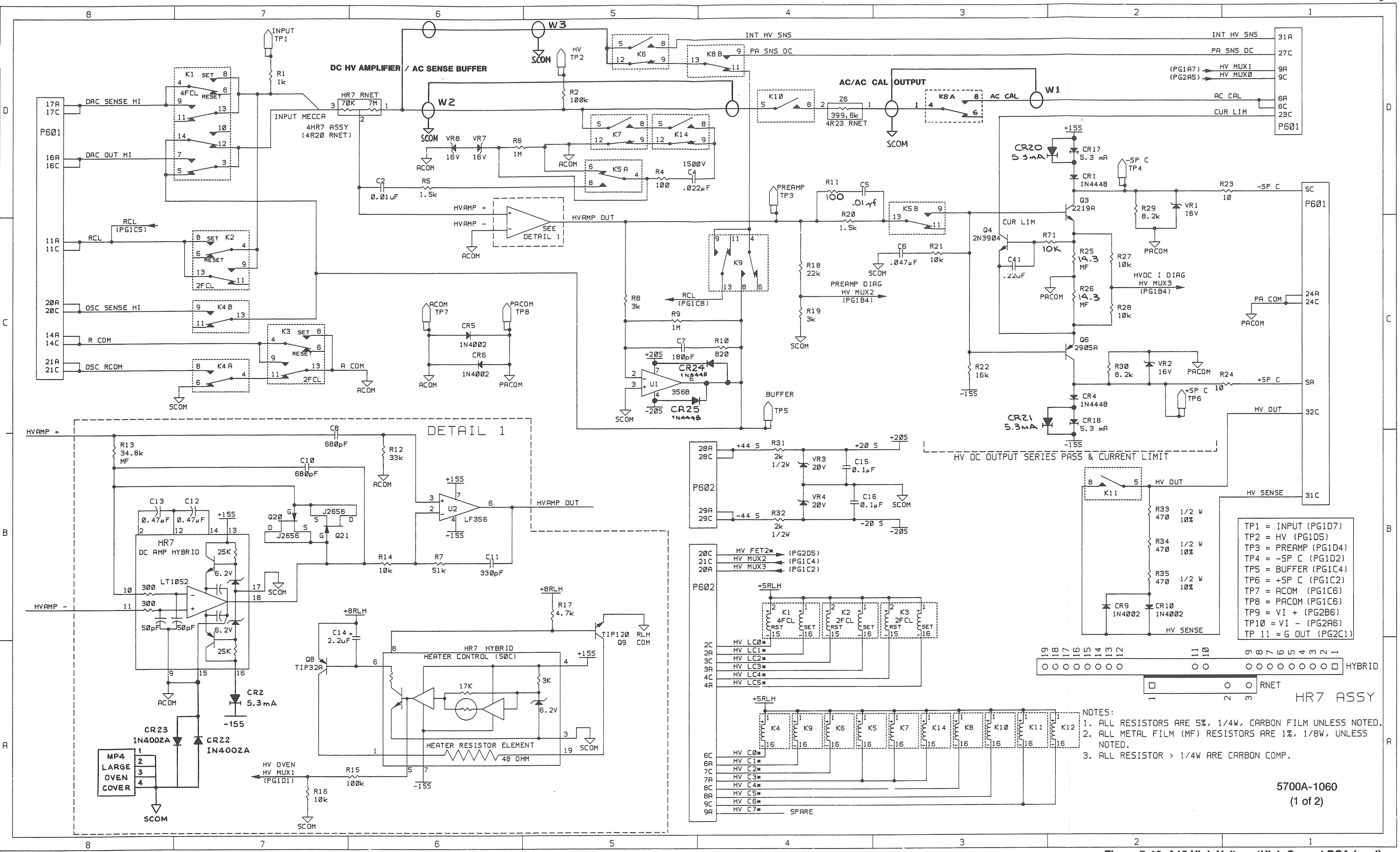


Figure 7-18. A15 High Voltage/High Current PCA (cont)

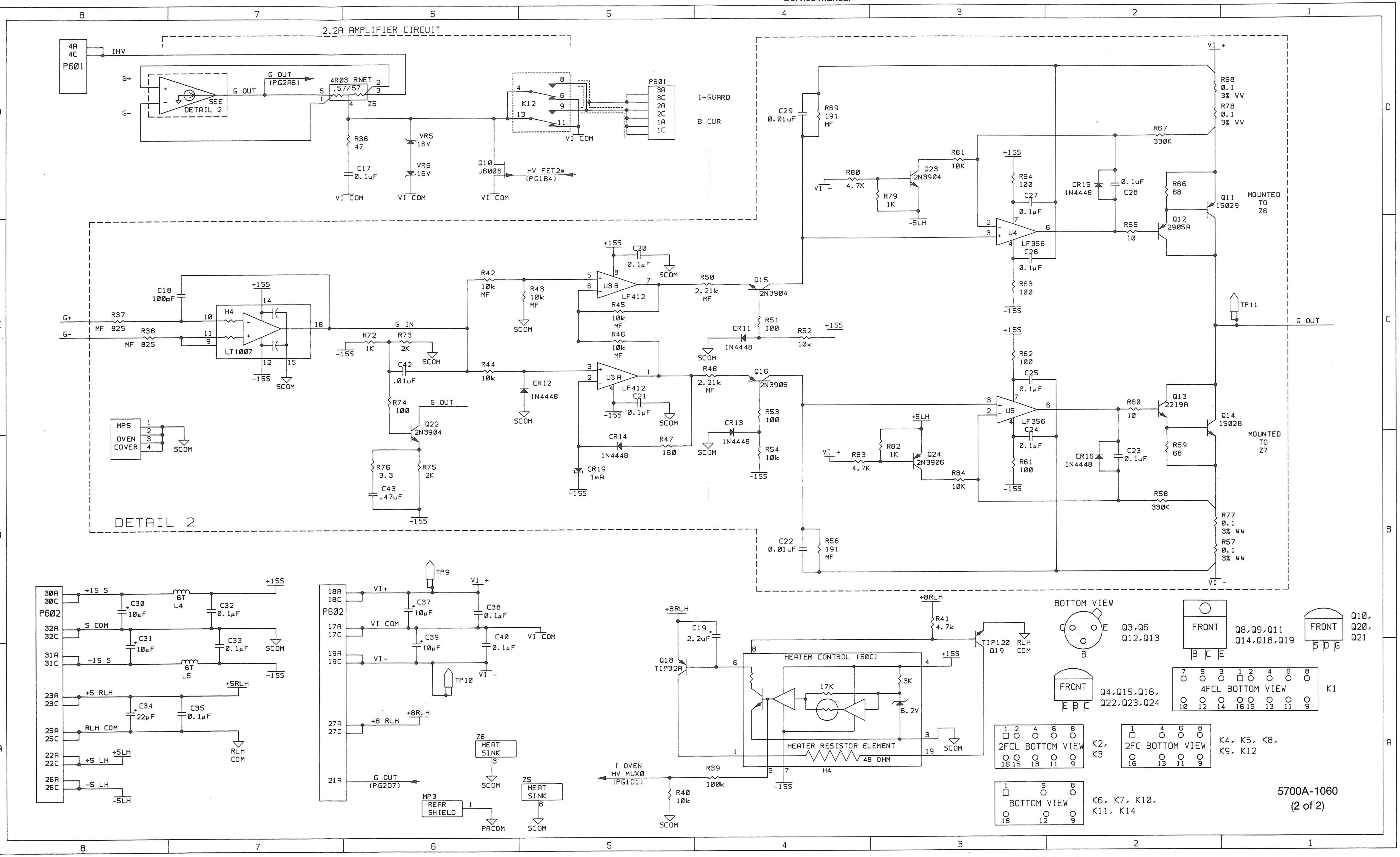


Figure 7-18. A15 High Voltage/High Current PCA (cont)

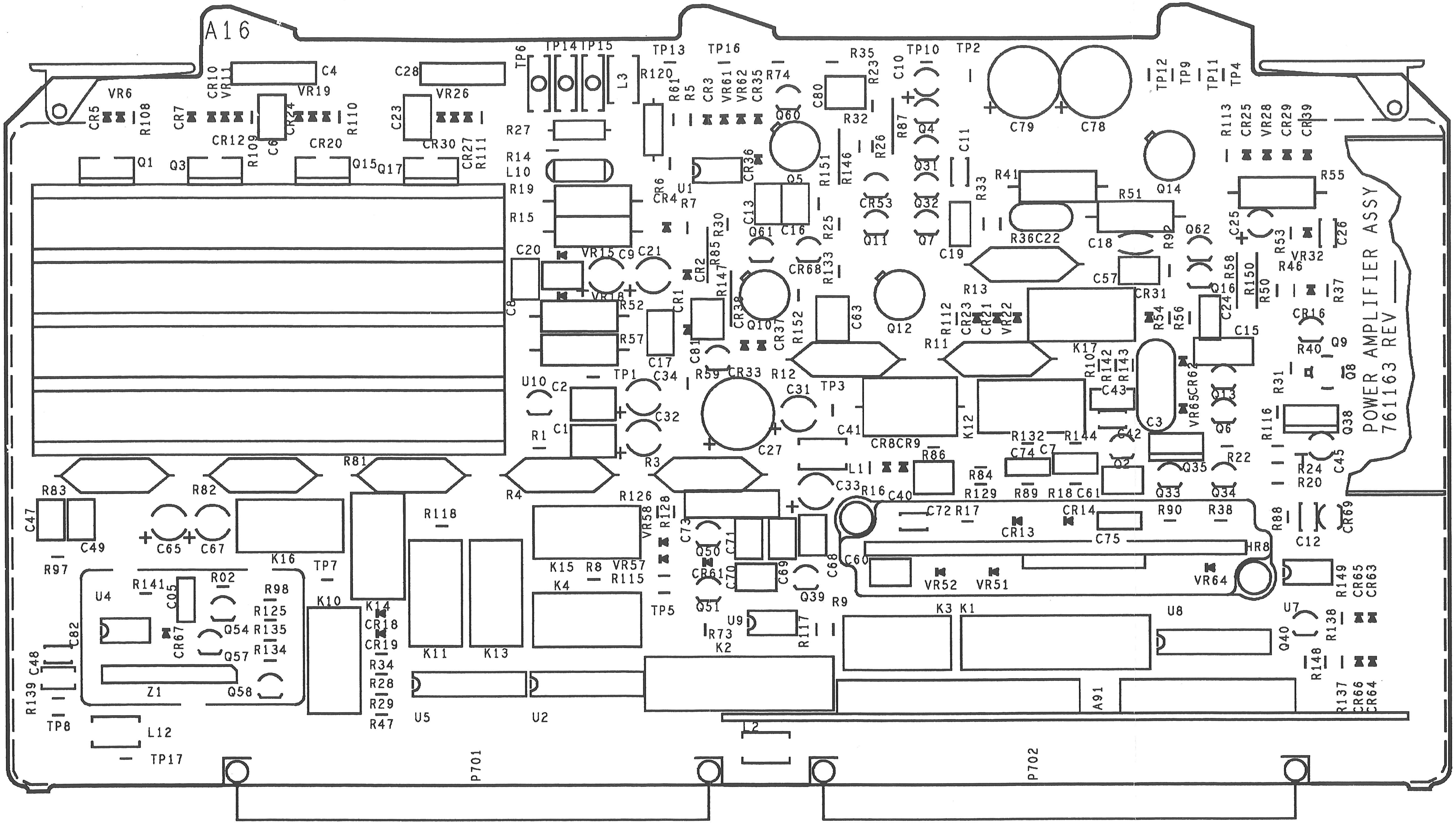


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Figure 7-19. A16 Power Amplifier PCA

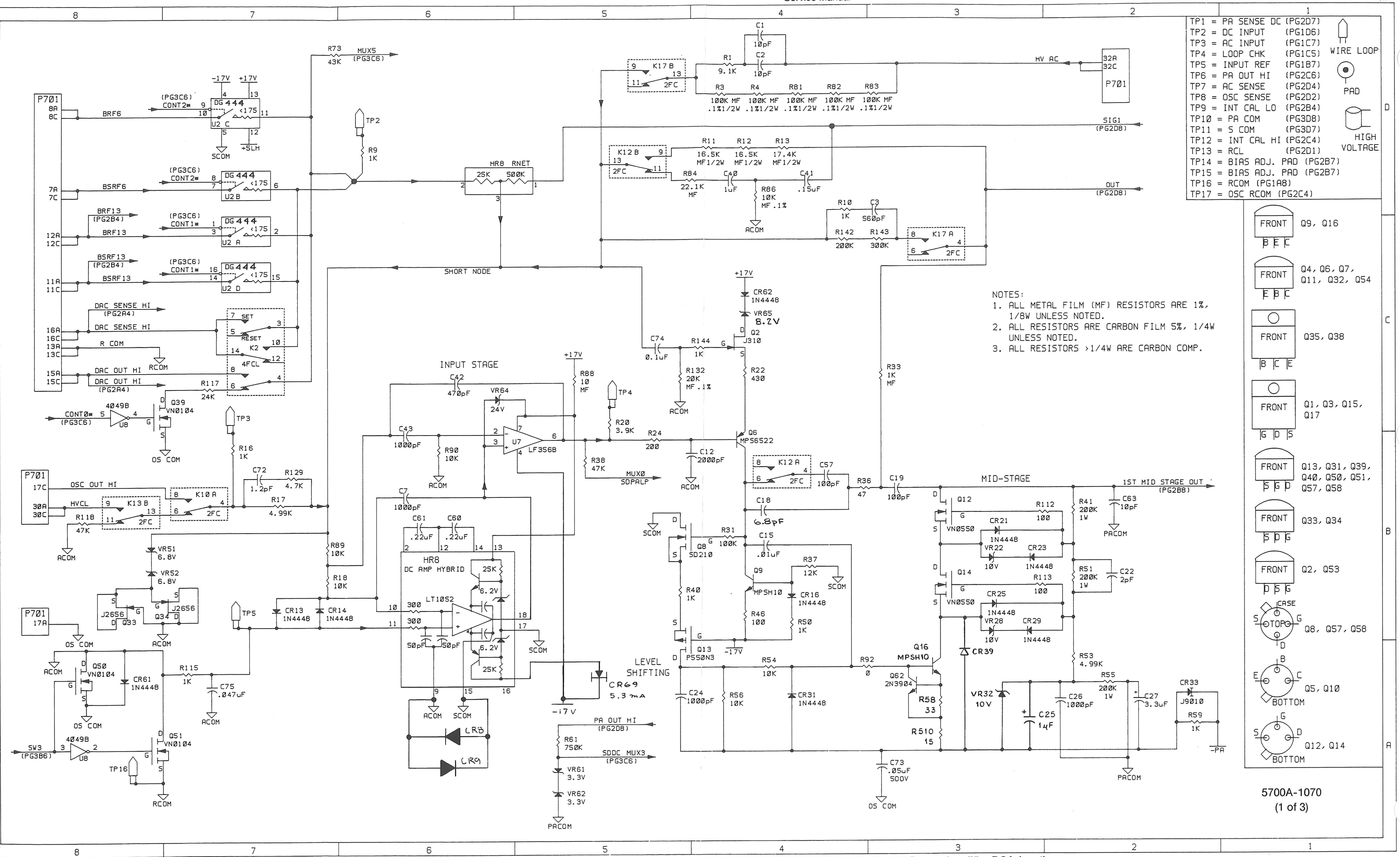

Figure 7-19. A16 Power Amplifier PCA (cont)

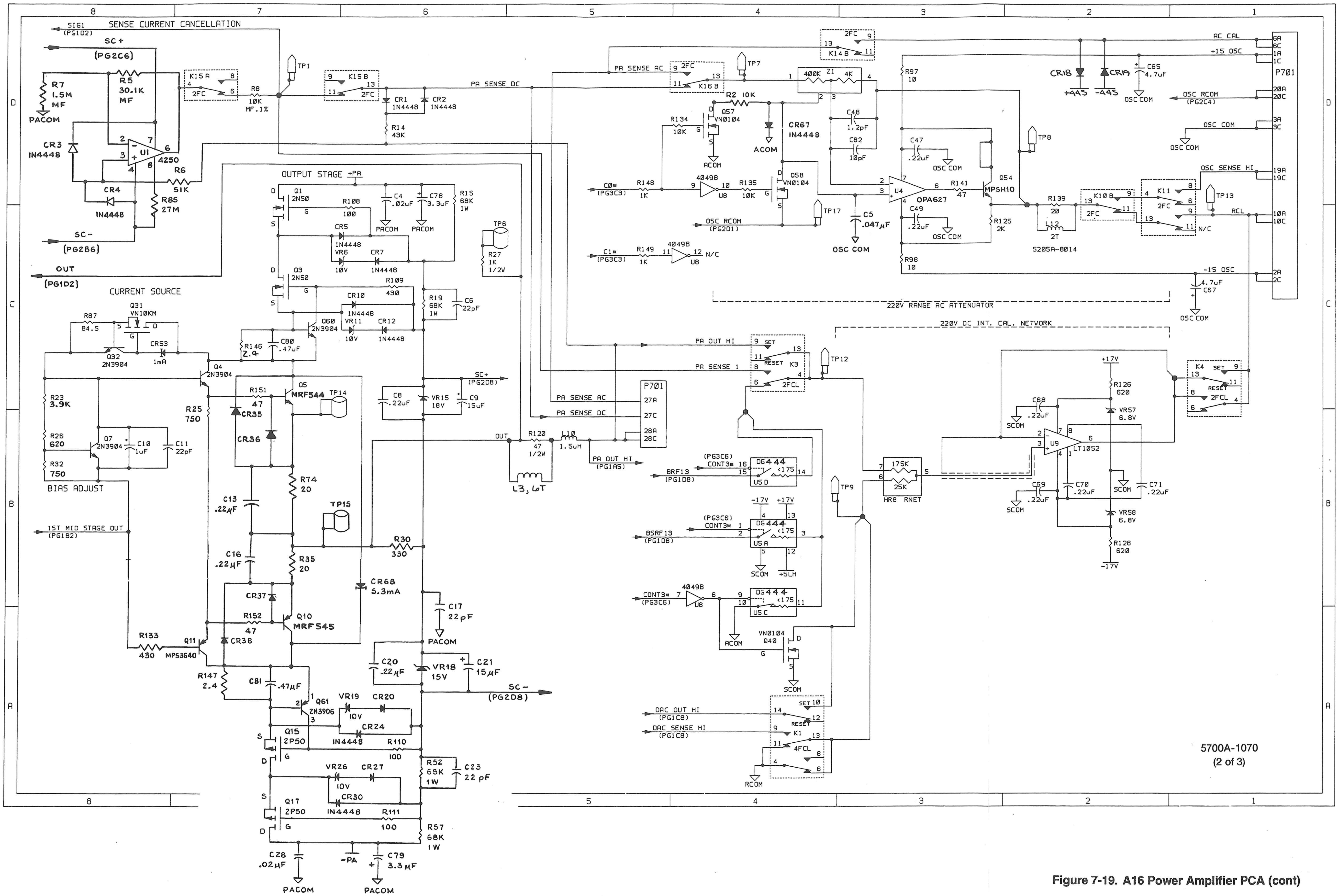

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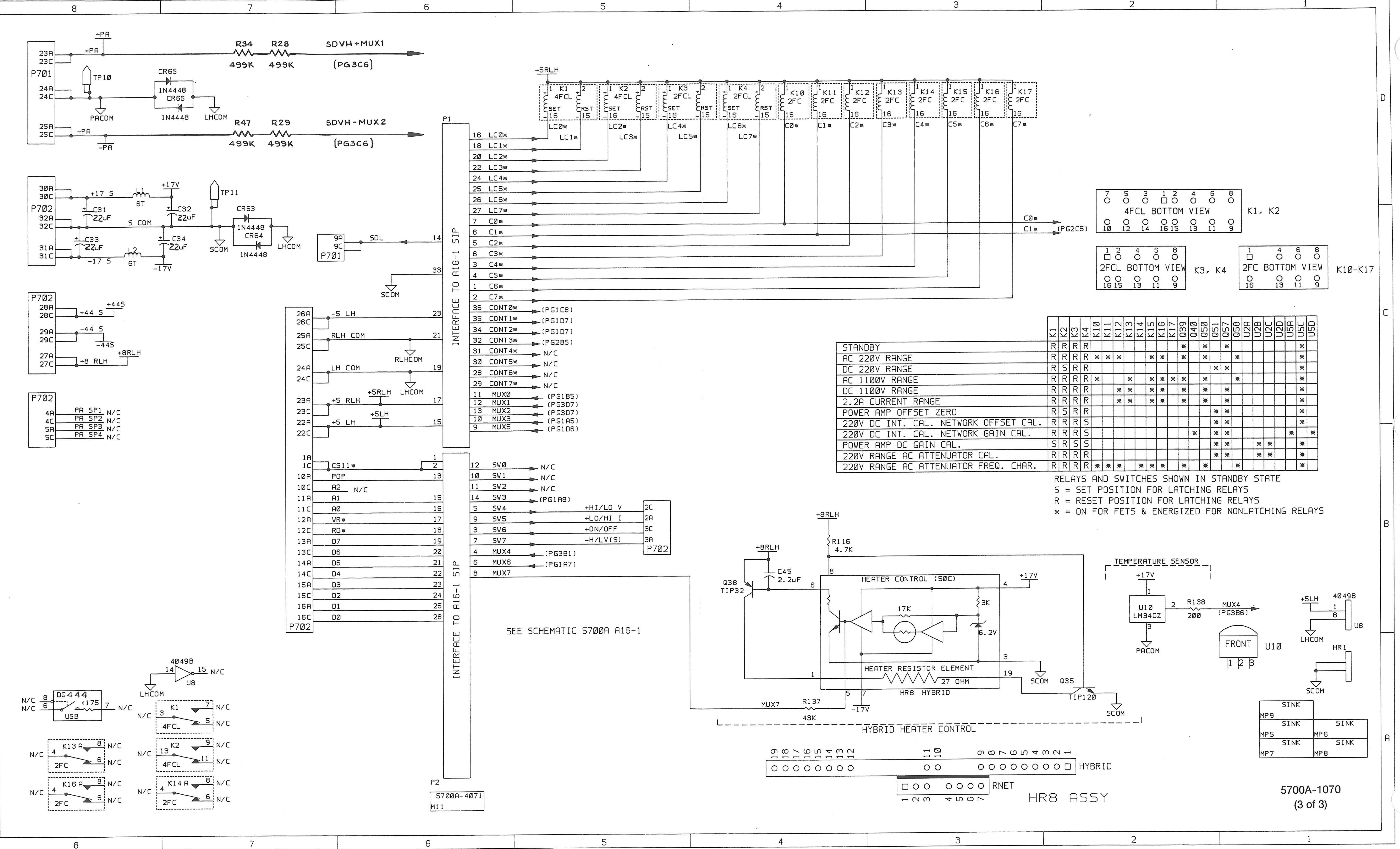
Figure 7-19. A16 Power Amplifier PCA (cont)



	K1	K2	K3	K4	K10	K11	K12	K13	K14	K15	K16	K17	Q39	Q40	Q50	Q51	Q57	Q58	U2A	U2B	U2C	U2D	U5A	U5C	U5D
STANDBY	R	R	R	R									*		*		*							*	
AC 220V RANGE	R	R	R	R	*	*	*			*	*		*		*			*						*	
DC 220V RANGE	R	S	R	R												*	*							*	
AC 1100V RANGE	R	R	R	R	*			*		*	*	*	*		*			*						*	
DC 1100V RANGE	R	R	R	R			*	*		*	*		*		*		*							*	
2.2A CURRENT RANGE	R	R	R	R			*	*		*	*		*		*		*							*	
POWER AMP OFFSET ZERO	R	S	R	R												*	*							*	
220V DC INT. CAL. NETWORK OFFSET CAL.	R	R	R	S												*	*							*	
220V DC INT. CAL. NETWORK GAIN CAL.	R	R	R	S										*		*	*						*		*
POWER AMP DC GAIN CAL.	S	R	S	S												*	*			*	*			*	
220V RANGE AC ATTENUATOR CAL.	R	R	R	R												*	*			*	*			*	
220V RANGE AC ATTENUATOR FREQ. CHAR.	R	R	R	R	*	*	*		*	*	*		*		*			*						*	

RELAYS AND SWITCHES SHOWN IN STANDBY STATE
S = SET POSITION FOR LATCHING RELAYS
R = RESET POSITION FOR LATCHING RELAYS
* = ON FOR FETS & ENERGIZED FOR NONLATCHING RELAYS

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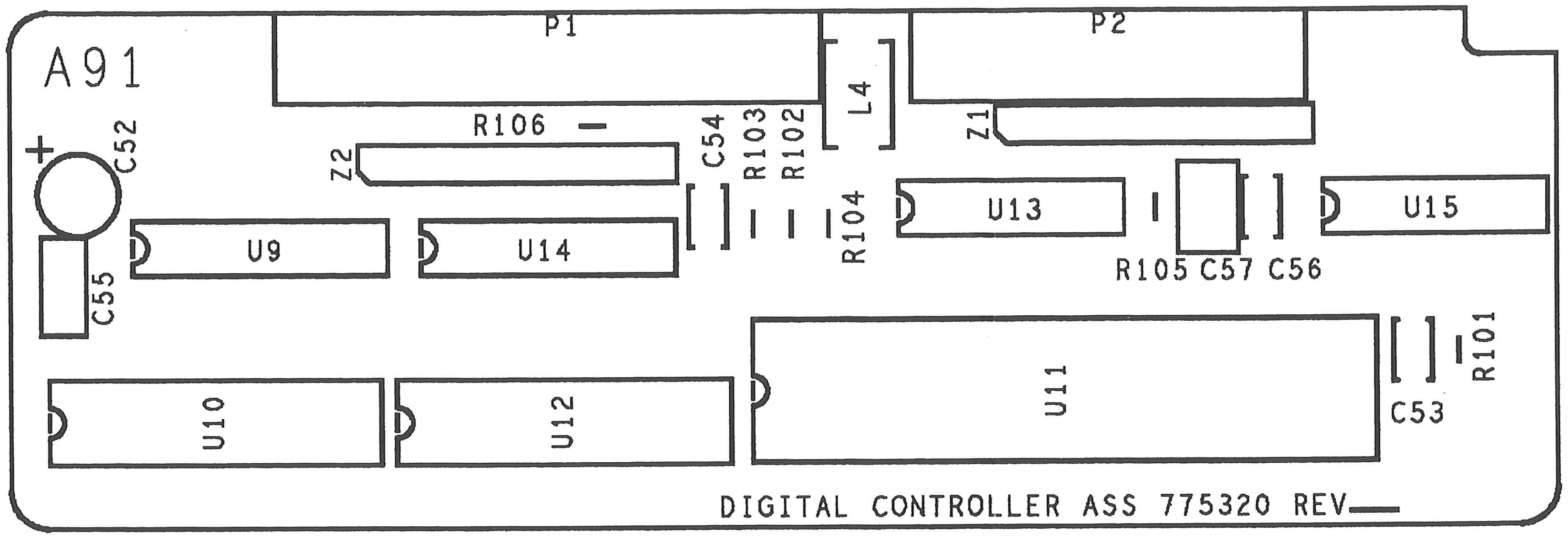
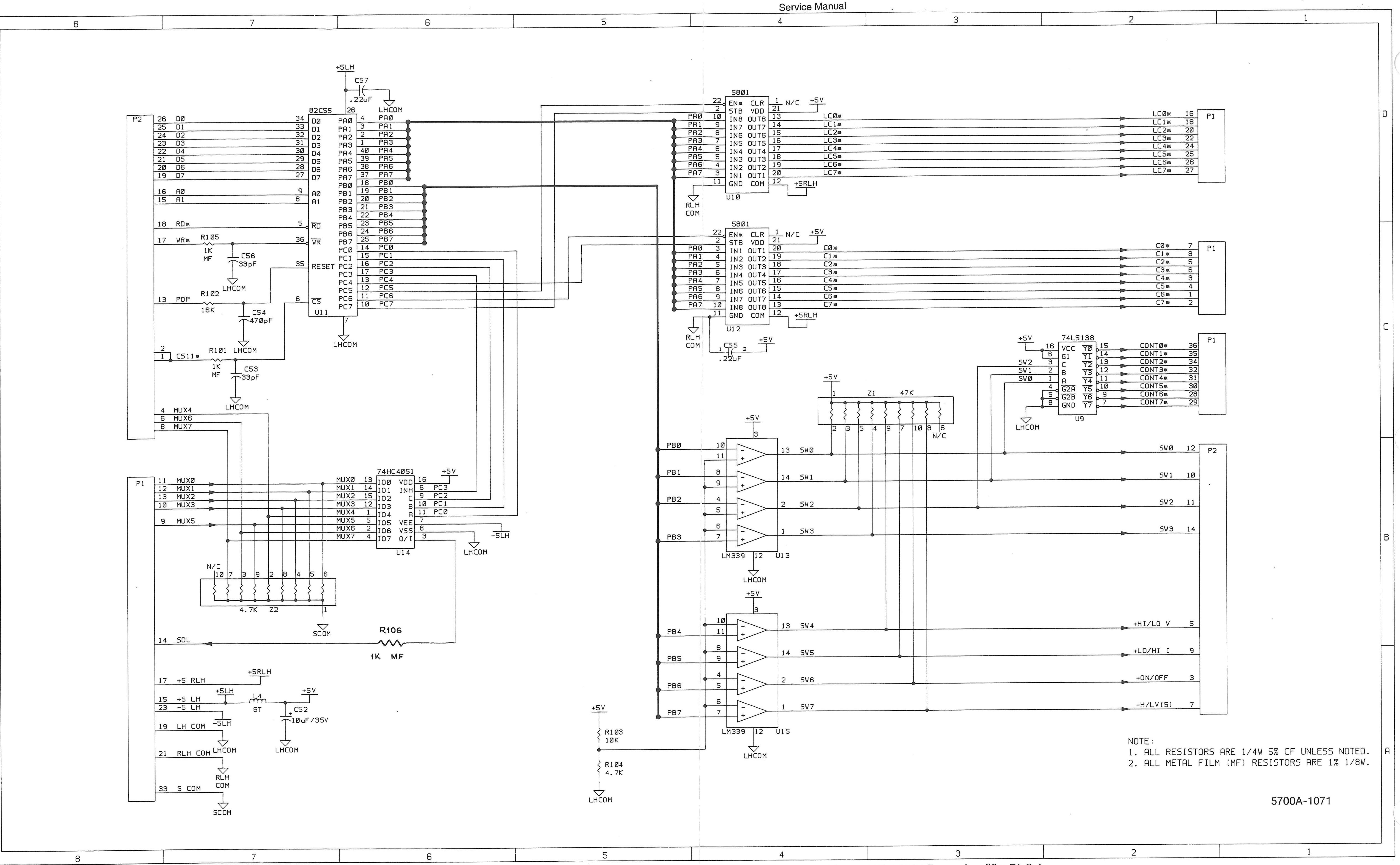
Figure 7-19. A16 Power Amplifier PCA (cont)



5700A-1671

Figure 7-20. A16A1 Power Amplifier Digital Control SIP PCA



NOTE:
1. ALL RESISTORS ARE 1/4W 5% CF UNLESS NOTED.
2. ALL METAL FILM (MF) RESISTORS ARE 1% 1/8W.

5700A-1071

Figure 7-20. A16A1 Power Amplifier Digital Control SIP PCA (cont)

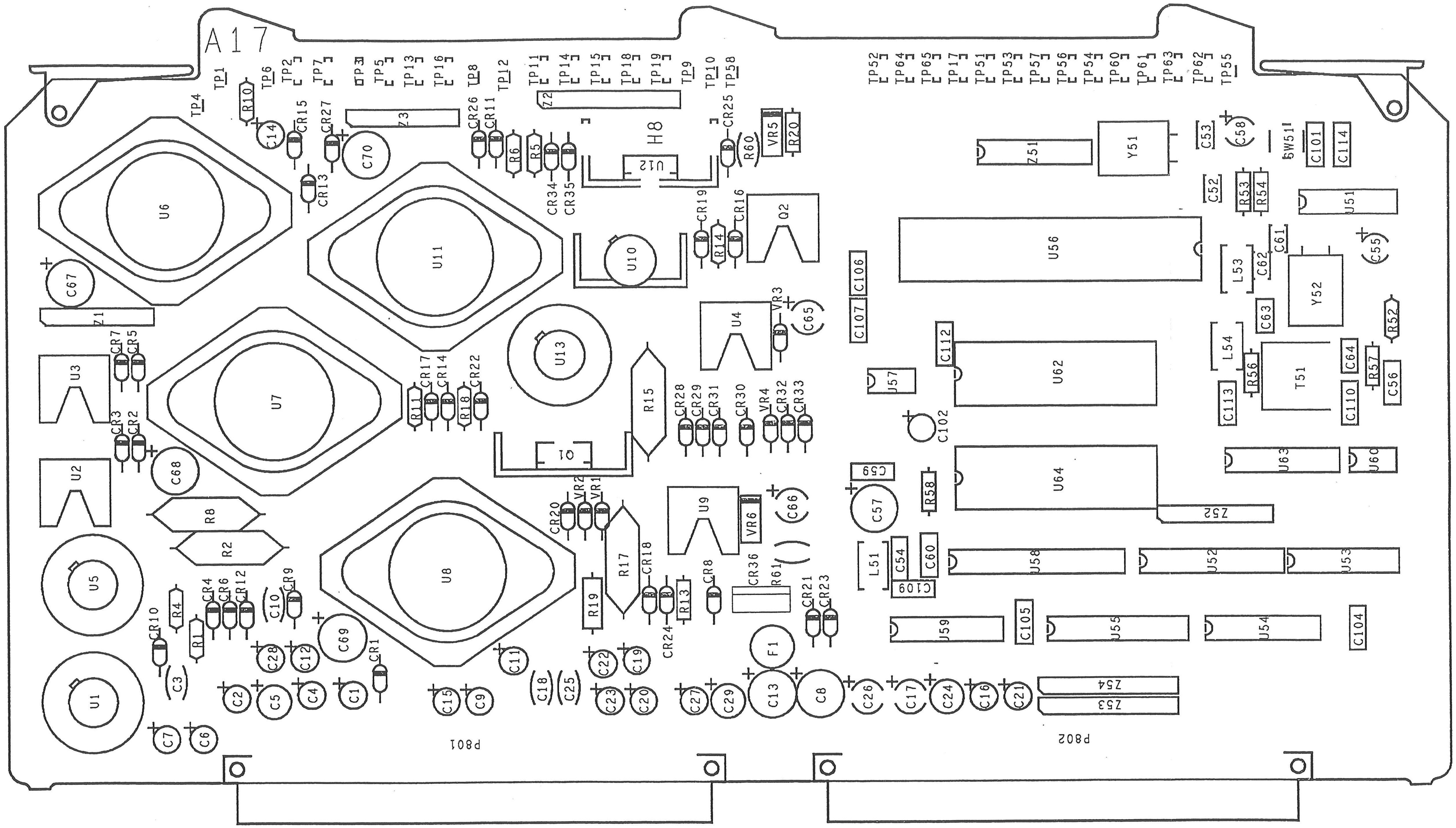


Figure 7-21. A17 Regulator/Guard Crossing PCA

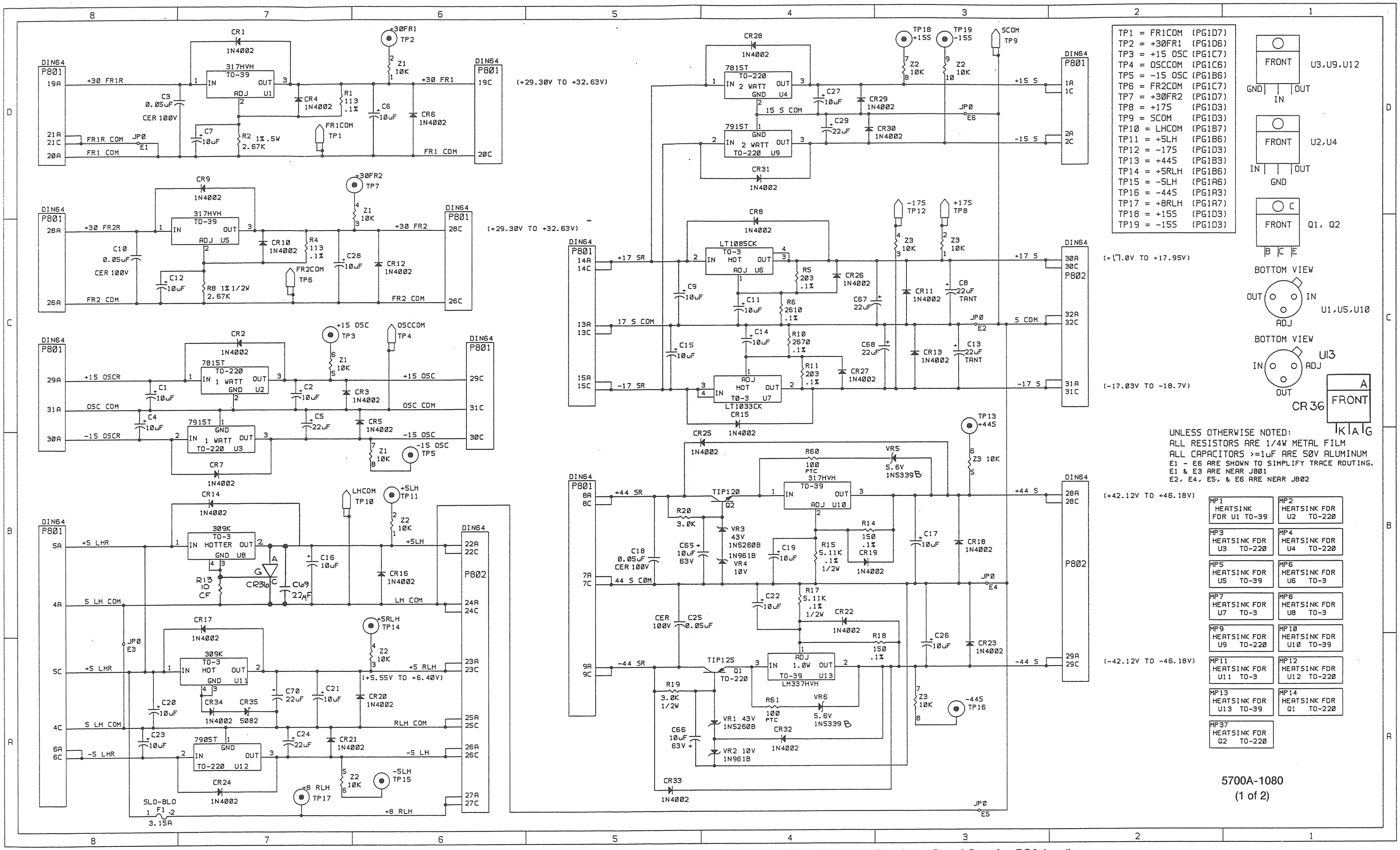


Figure 7-21. A17 Regulator/Guard Crossing PCA (cont)

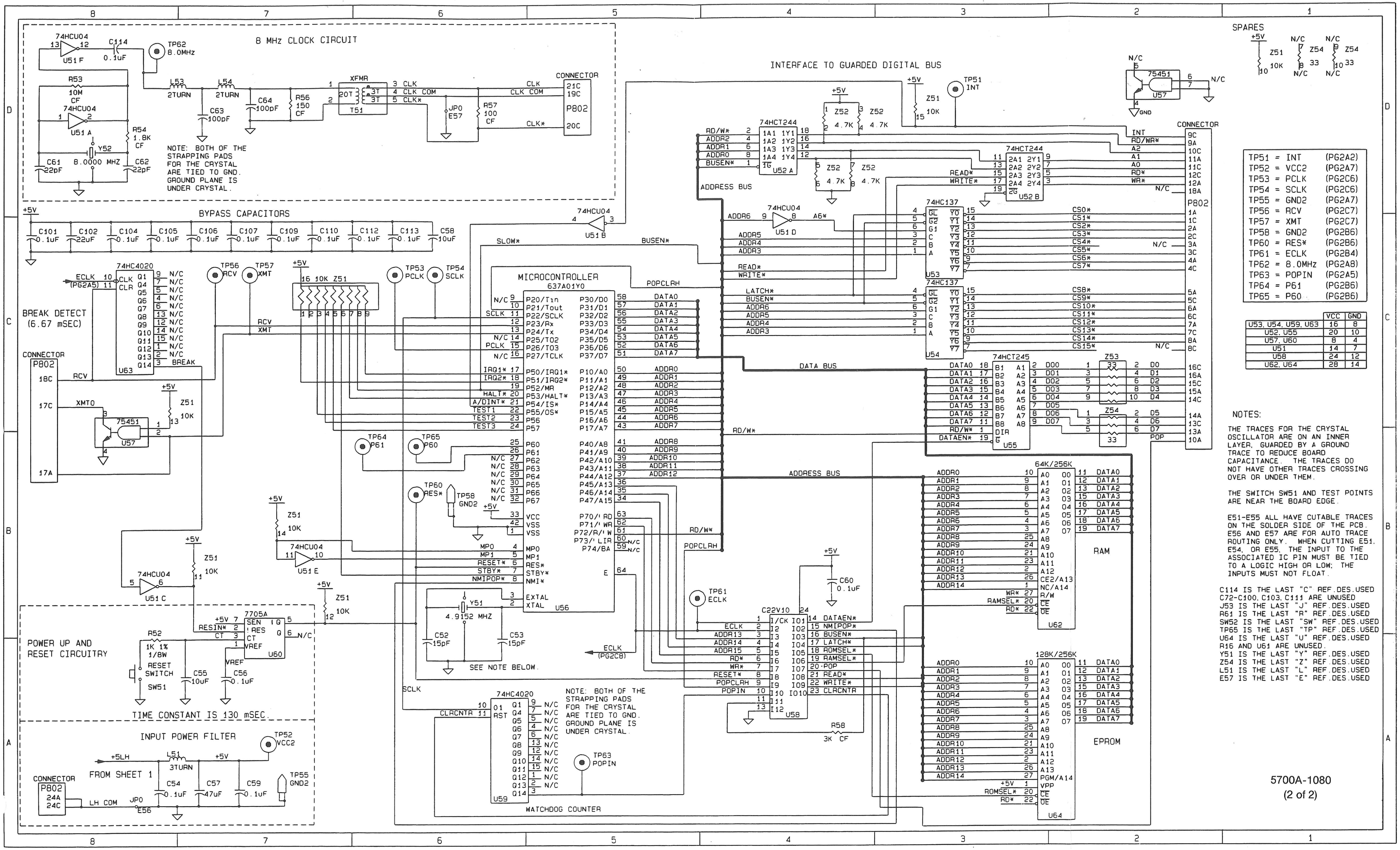


Figure 7-21. A17 Regulator/Guard Crossing PCA (cont)

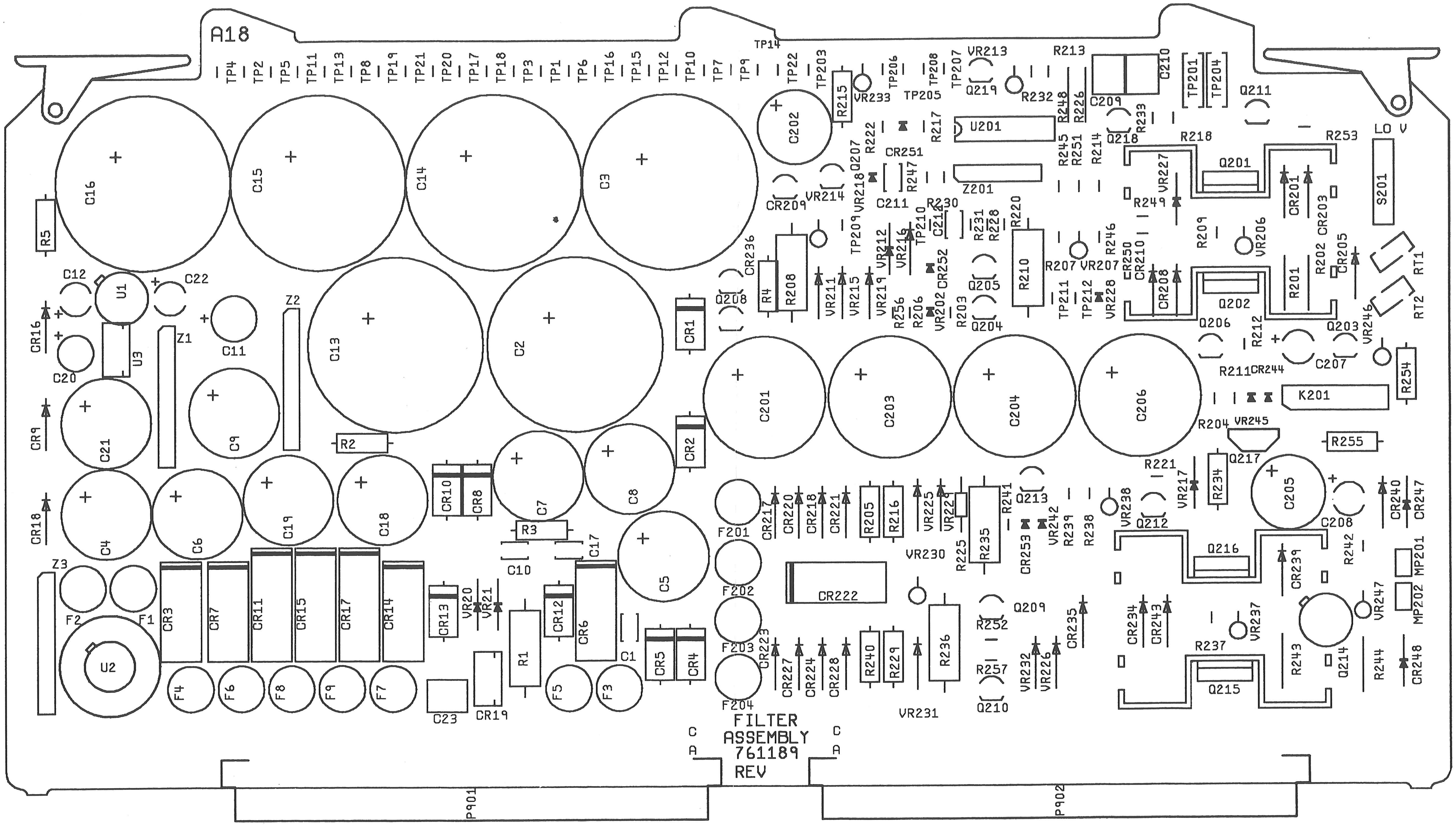


Figure 7-22. A18 Filter/PA Supply PCA

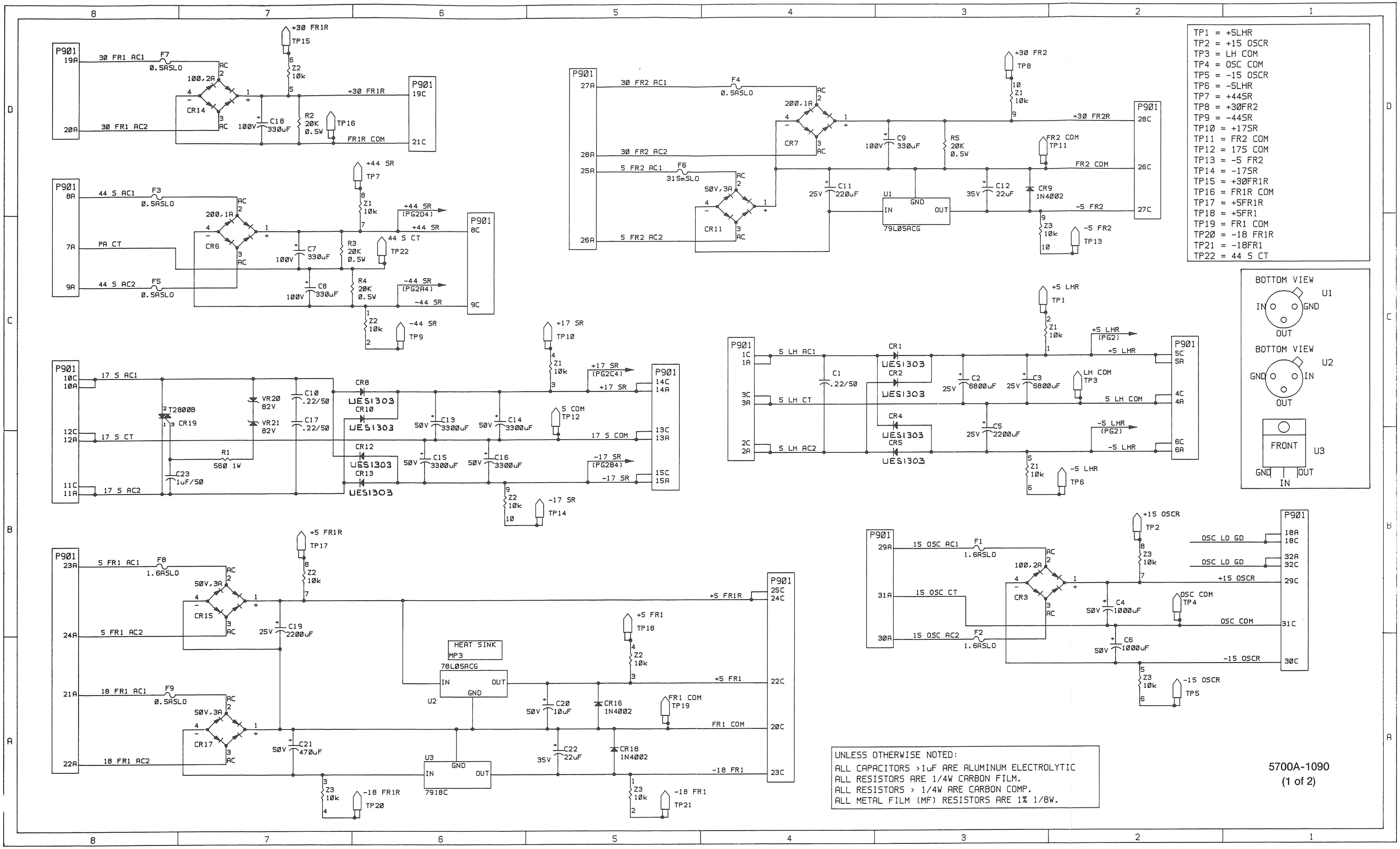


Figure 7-22. A18 Filter/PA Supply PCA (cont)

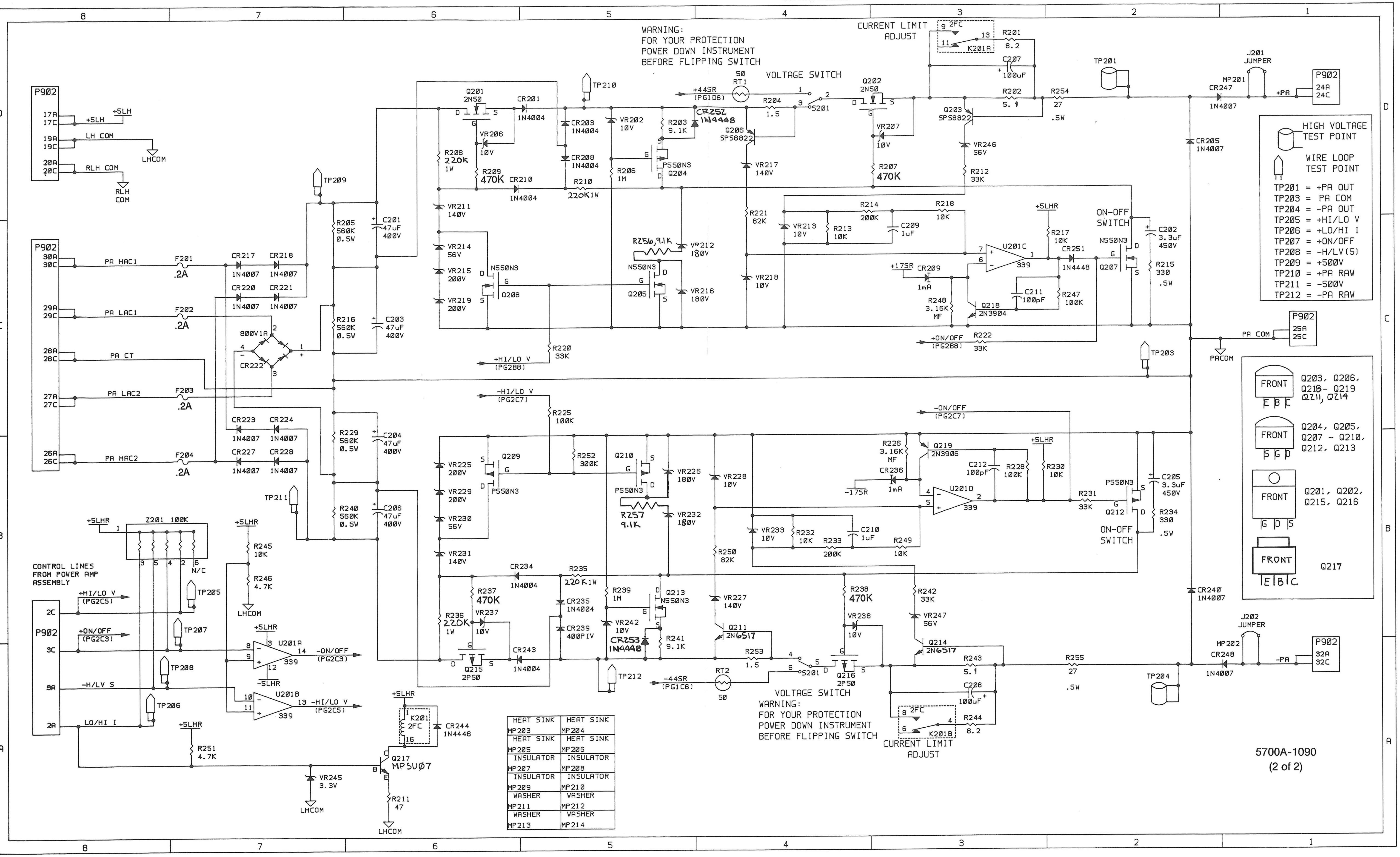


Figure 7-22. A18 Filter/PA Supply PCA (cont)

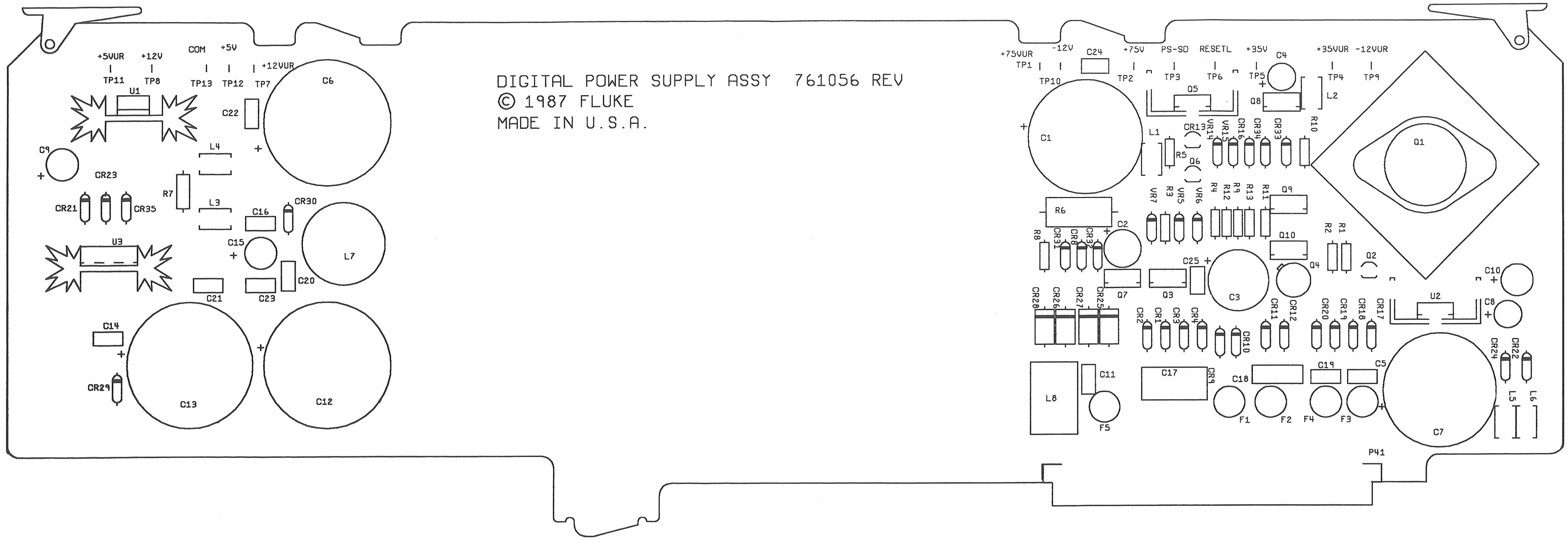


Figure 7-23. A19 Digital Power Supply PCA

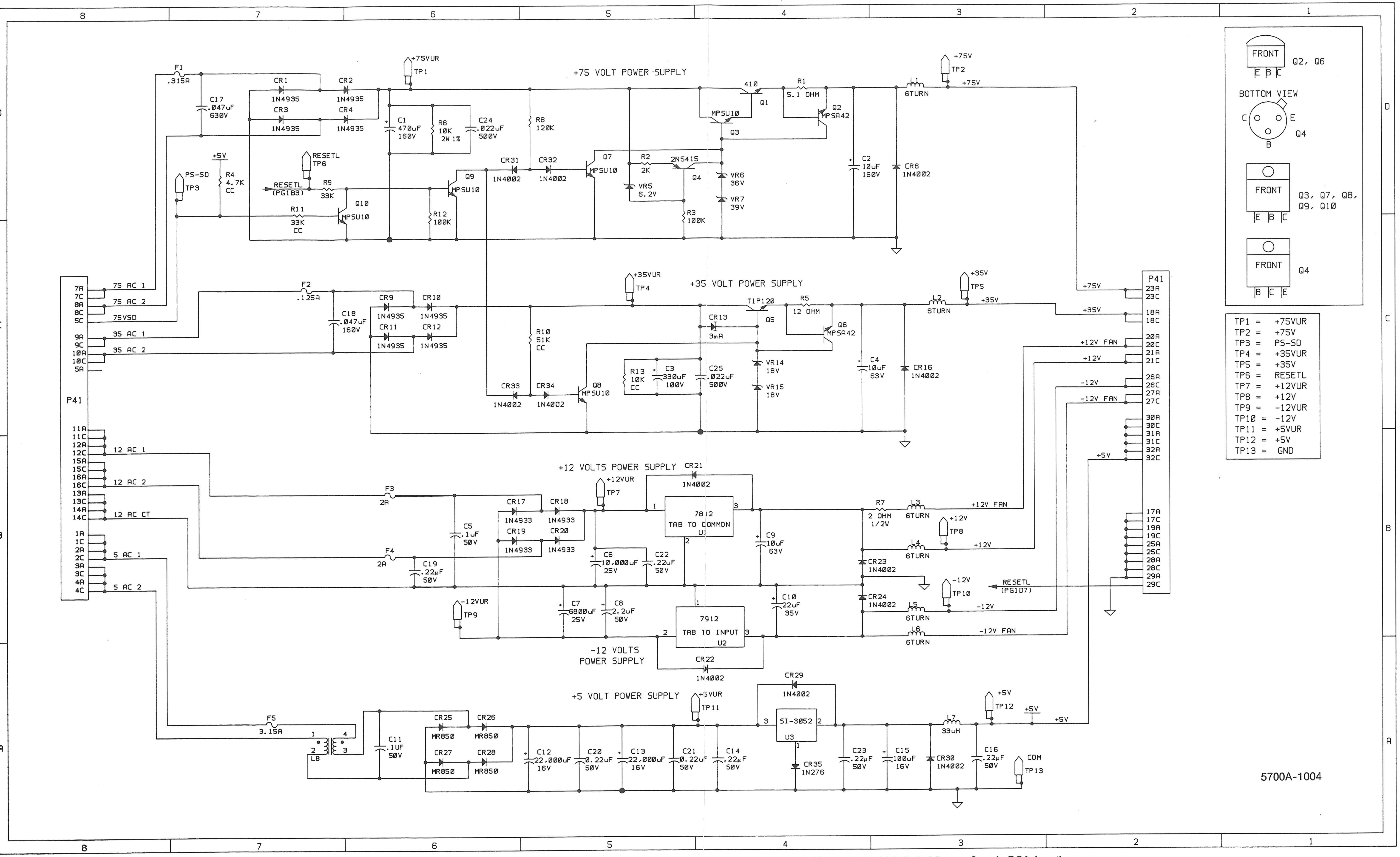


Figure 7-23. A19 Digital Power Supply PCA (cont)

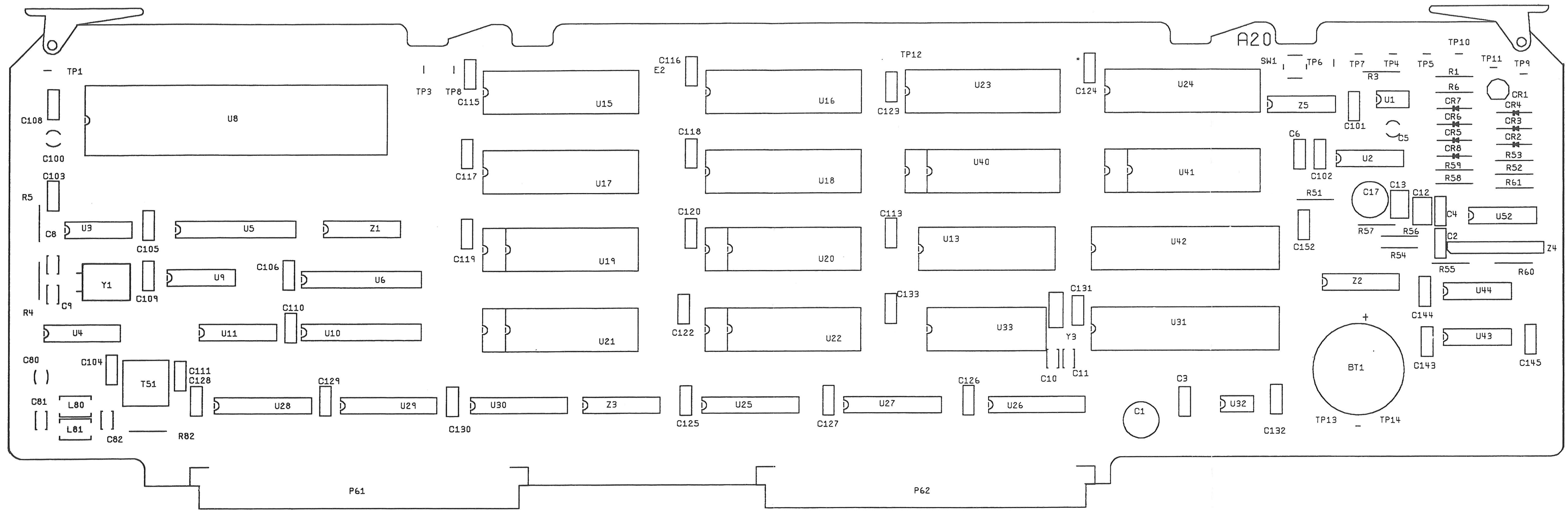


Figure 7-24. A20 CPU PCA

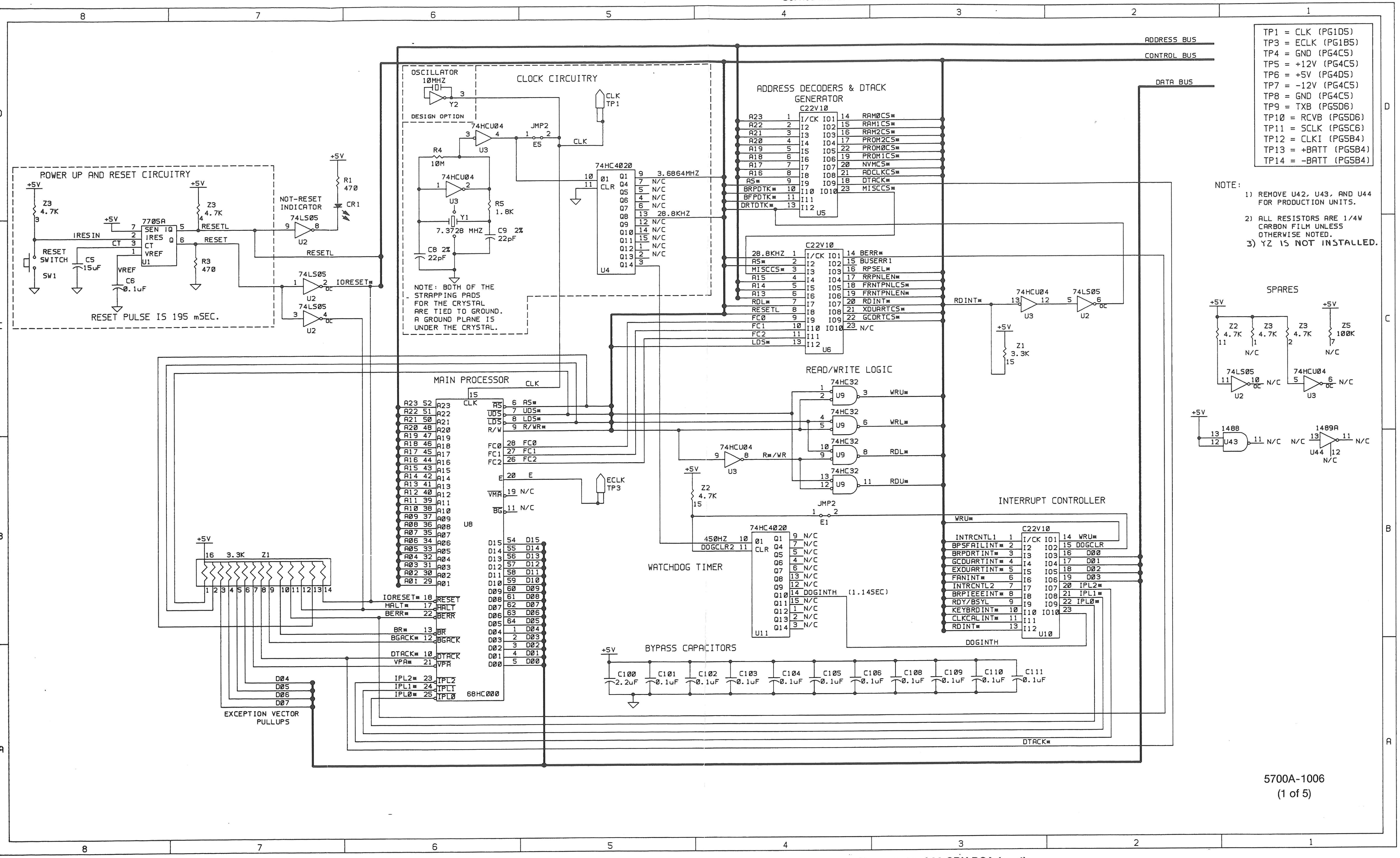


Figure 7-24. A20 CPU PCA (cont)

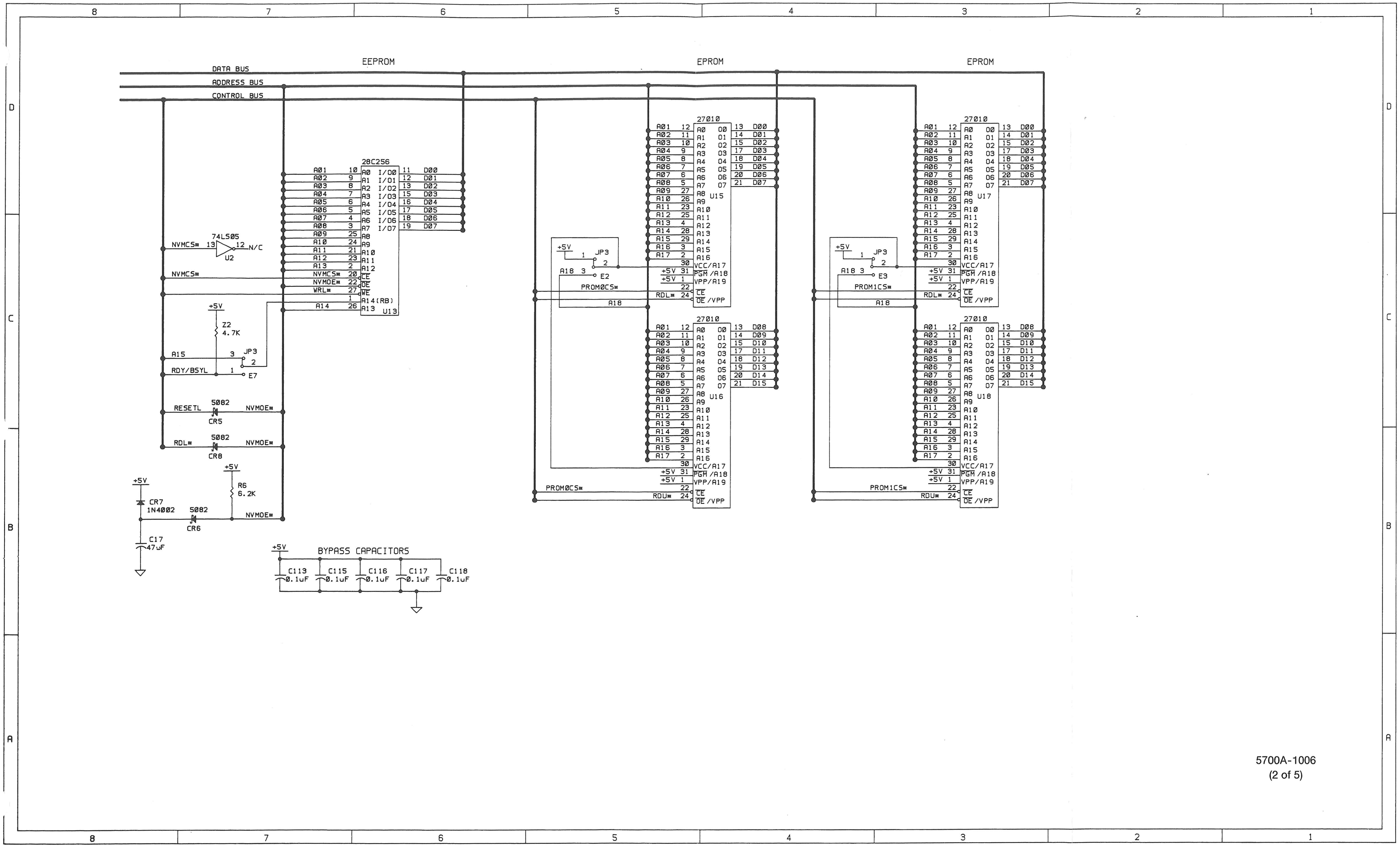


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Figure 7-24. A20 CPU PCA (cont)

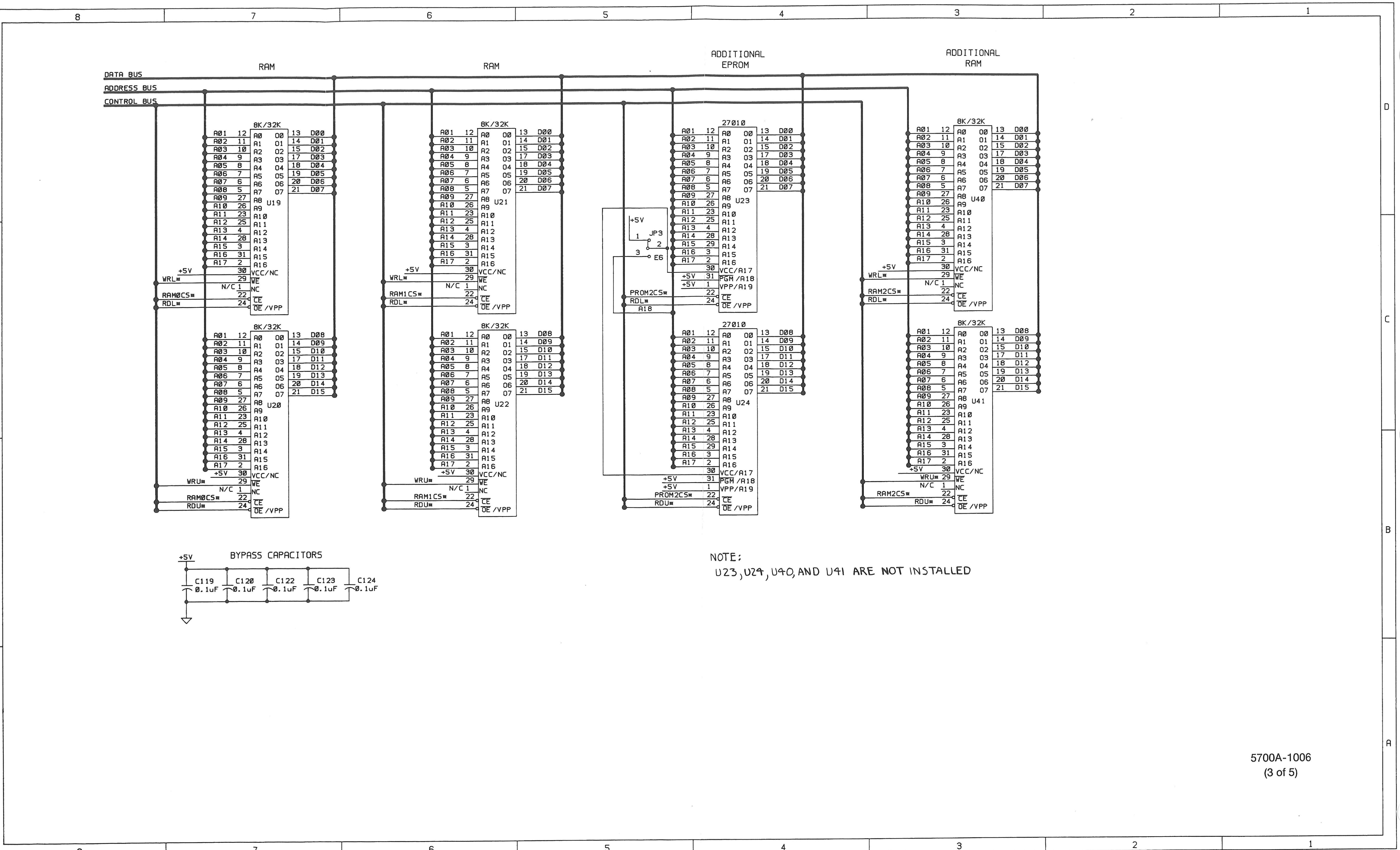


Figure 7-24. A20 CPU PCA (cont)

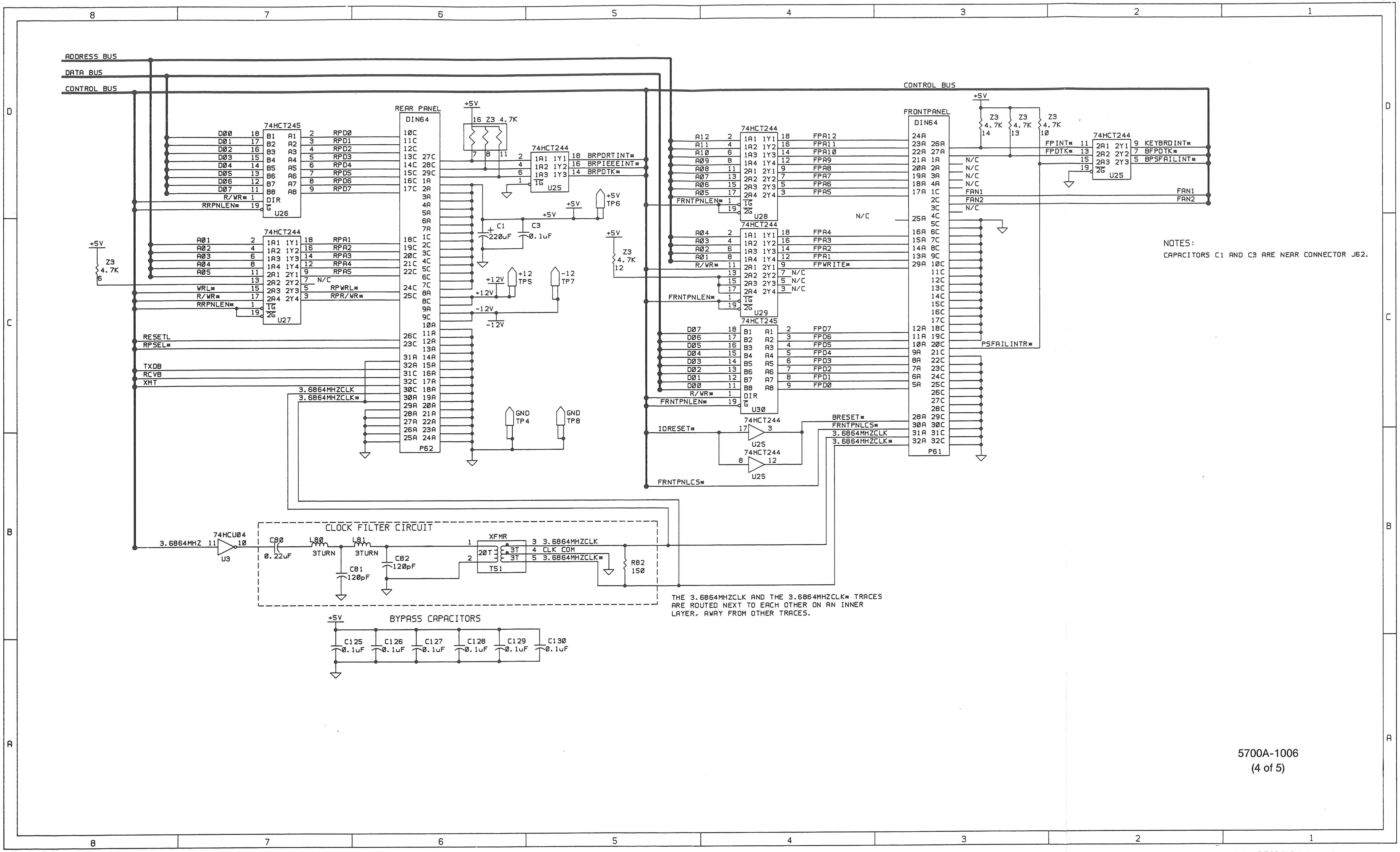


Figure 7-24. A20 CPU PCA (cont)

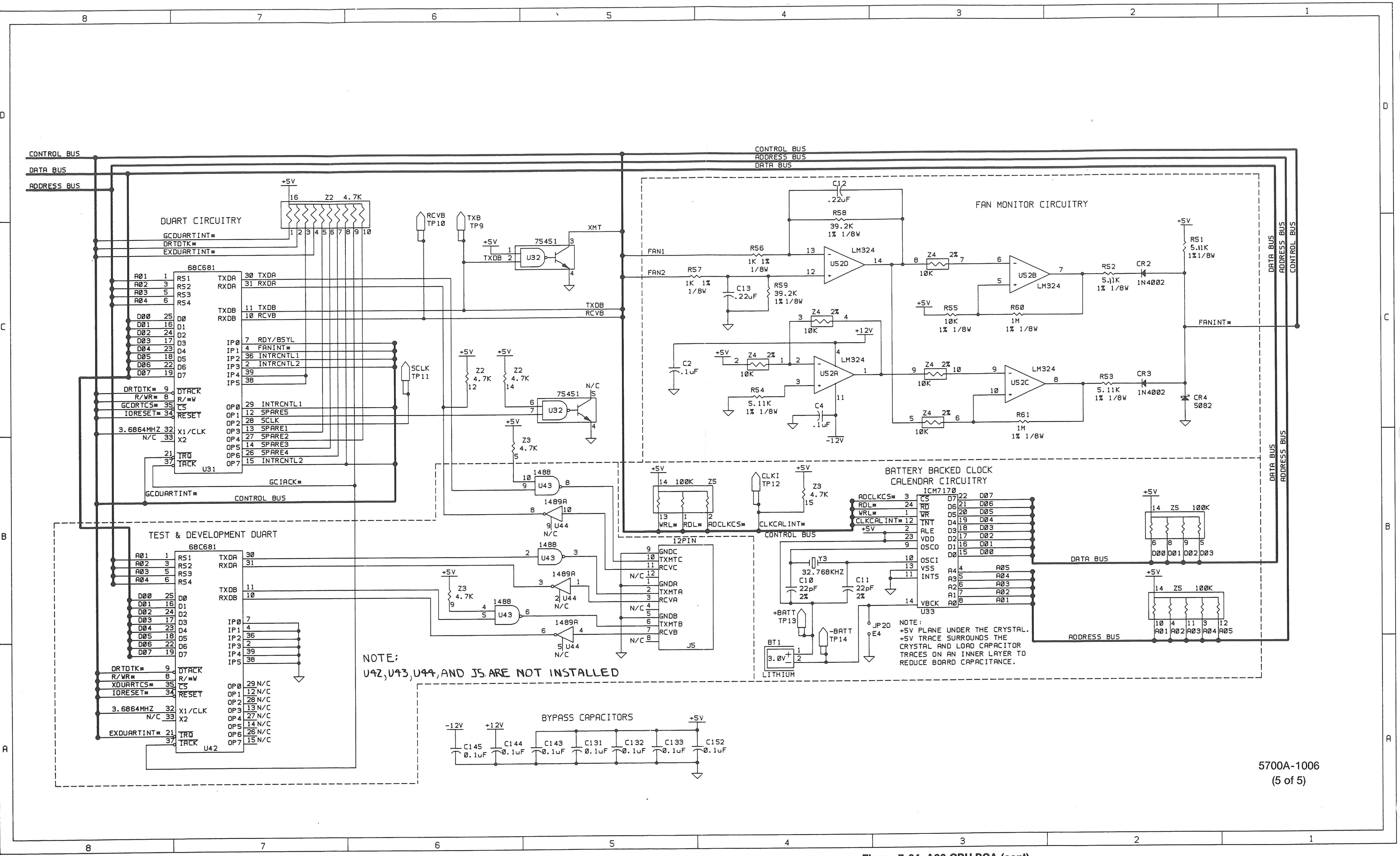


Figure 7-24. A20 CPU PCA (cont)

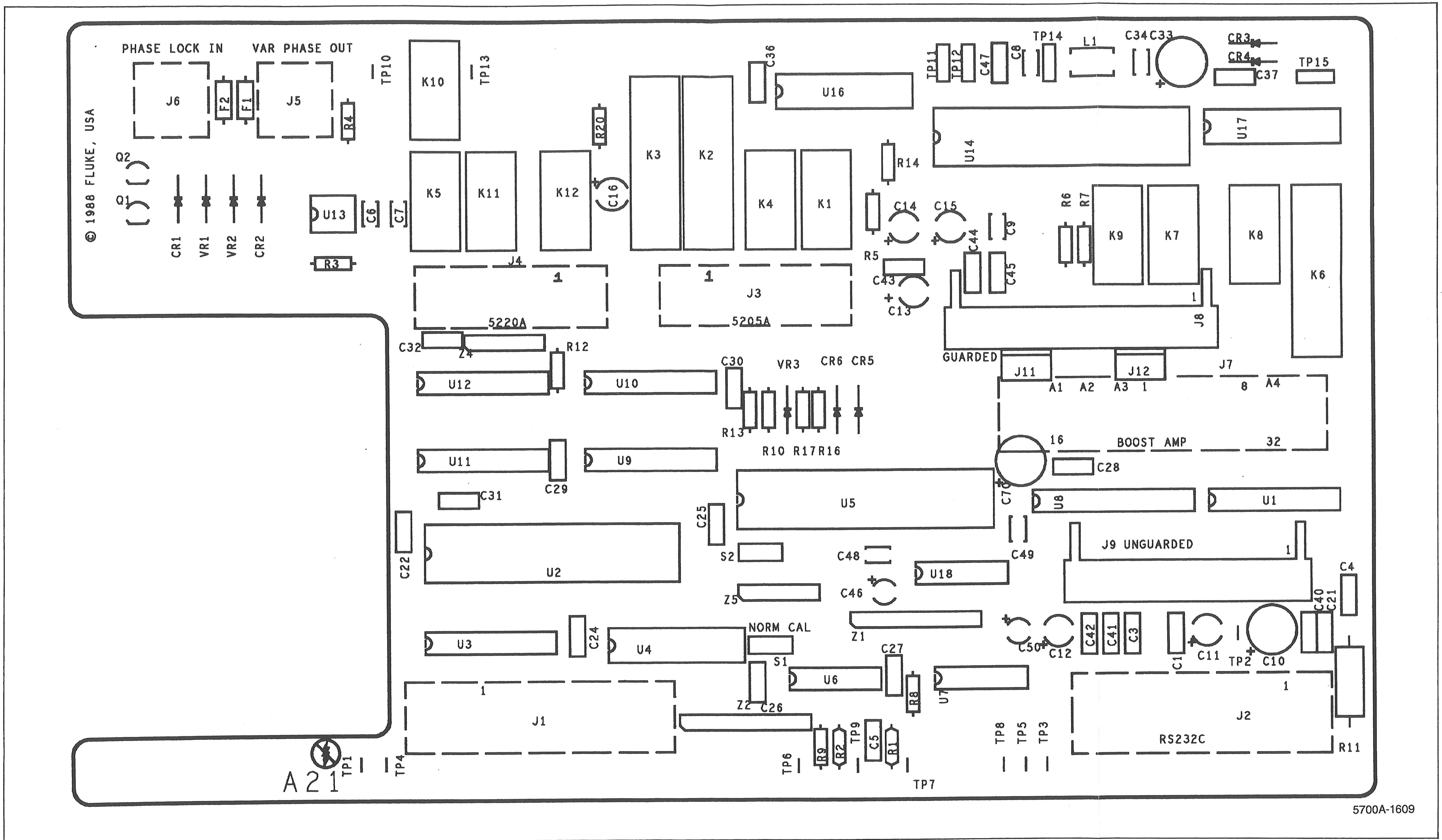
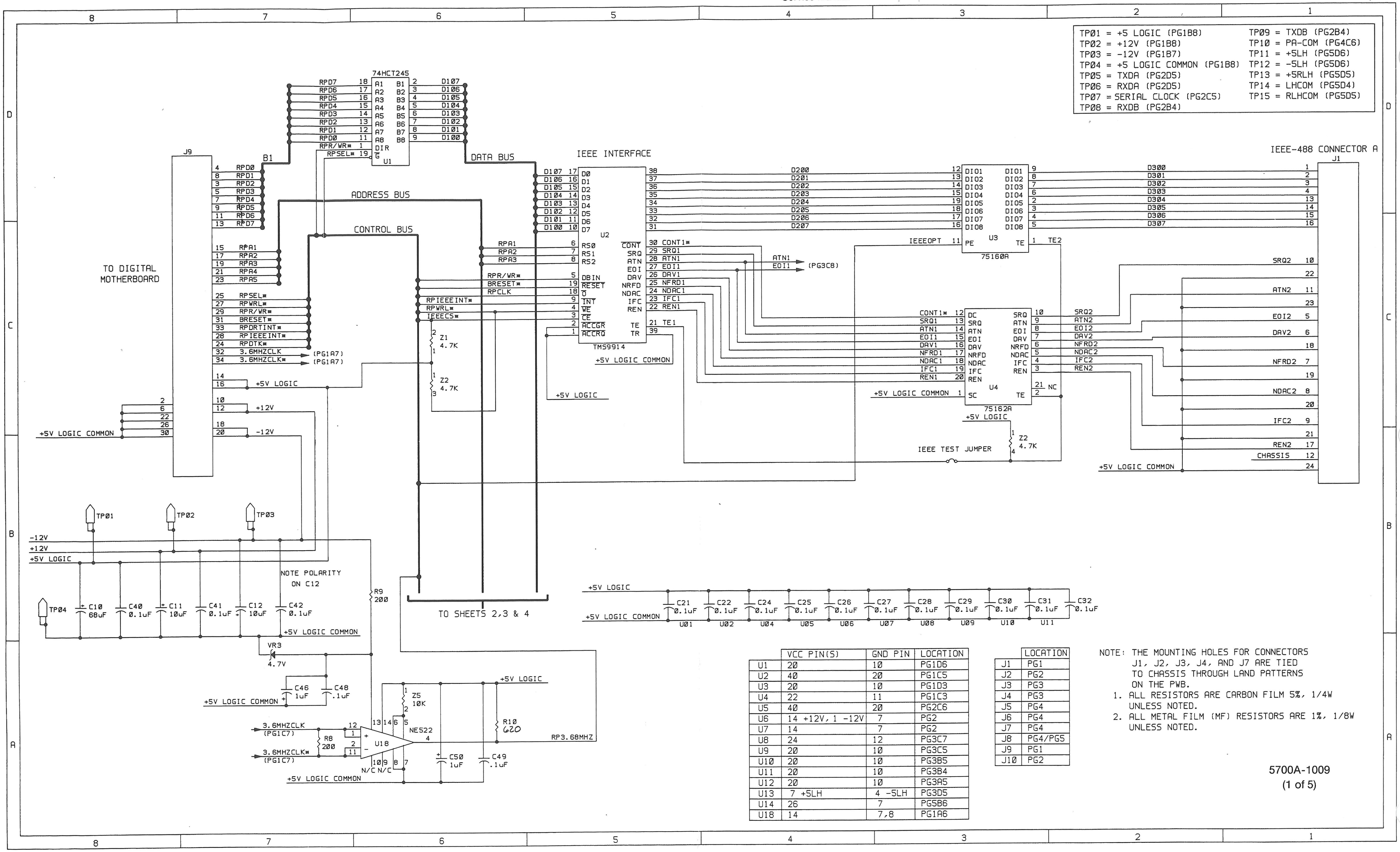


Figure 7-25. A21 Rear Panel PCA



TP01 = +5 LOGIC (PG1B8)
TP02 = +12V (PG1B8)
TP03 = -12V (PG1B7)
TP04 = +5 LOGIC COMMON (PG1B8)
TP05 = TXDA (PG2D5)
TP06 = RXDA (PG2D5)
TP07 = SERIAL CLOCK (PG2C5)
TP08 = RXDB (PG2B4)
TP09 = TXDB (PG2B4)
TP10 = PA-COM (PG4C6)
TP11 = +5LH (PG5D6)
TP12 = -5LH (PG5D6)
TP13 = +5RLH (PG5D5)
TP14 = LHCOM (PG5D4)
TP15 = RLHCOM (PG5D5)

	VCC PIN(S)	GND PIN	LOCATION
U1	20	10	PG1D6
U2	40	20	PG1C5
U3	20	10	PG1D3
U4	22	11	PG1C3
U5	40	20	PG2C6
U6	14 +12V, 1 -12V	7	PG2
U7	14	7	PG2
U8	24	12	PG3C7
U9	20	10	PG3C5
U10	20	10	PG3B5
U11	20	10	PG3B4
U12	20	10	PG3A5
U13	7 +5LH	4 -5LH	PG3D5
U14	26	7	PG5B6
U18	14	7,8	PG1A6

	LOCATION
J1	PG1
J2	PG2
J3	PG3
J4	PG3
J5	PG4
J6	PG4
J7	PG4
J8	PG4/PG5
J9	PG1
J10	PG2

NOTE: THE MOUNTING HOLES FOR CONNECTORS J1, J2, J3, J4, AND J7 ARE TIED TO CHASSIS THROUGH LAND PATTERNS ON THE PWB.

1. ALL RESISTORS ARE CARBON FILM 5%, 1/4W UNLESS NOTED.
2. ALL METAL FILM (MF) RESISTORS ARE 1%, 1/8W UNLESS NOTED.

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Figure 7-25. A21 Rear Panel PCA (cont)

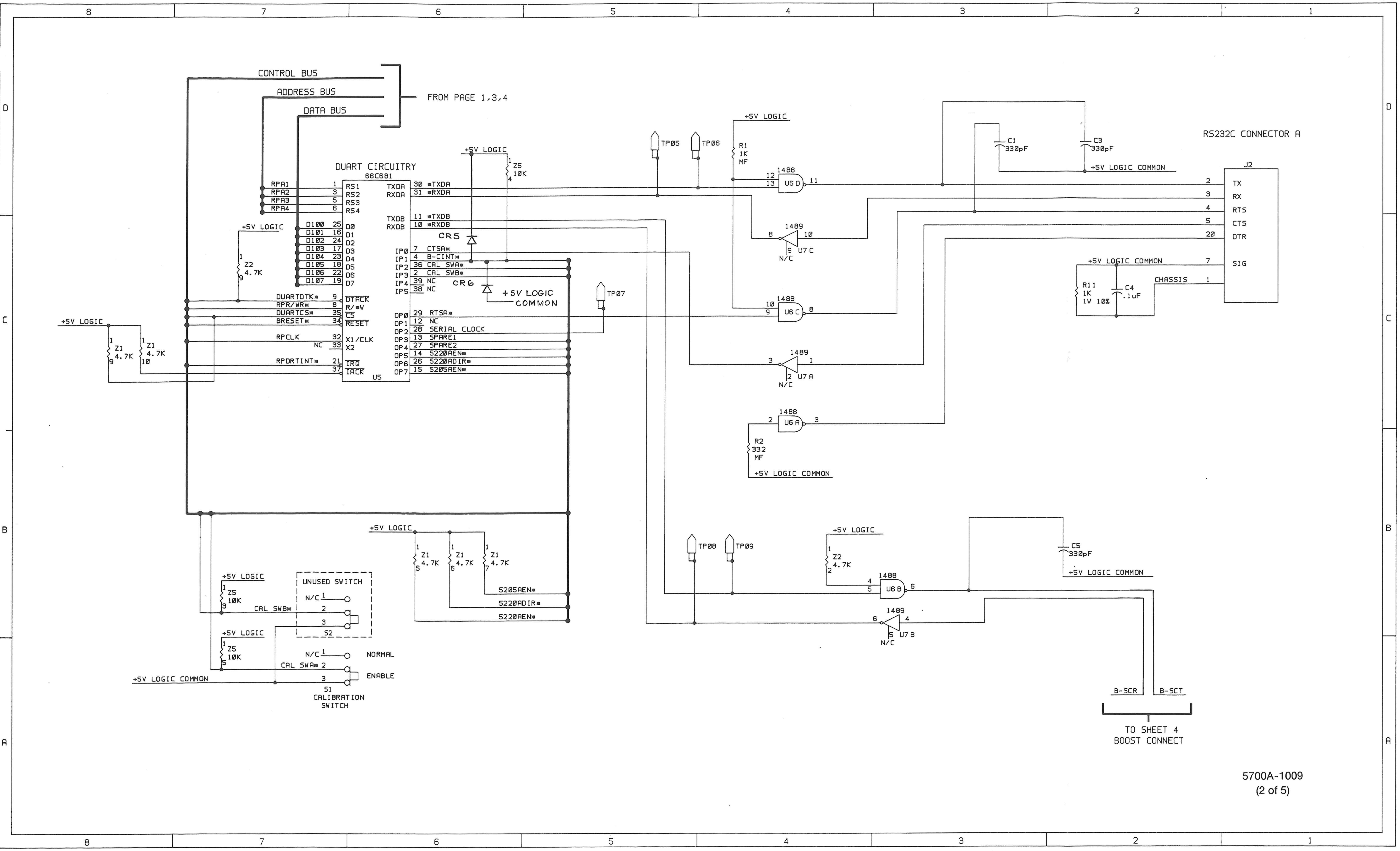


Figure 7-25. A21 Rear Panel PCA (cont)

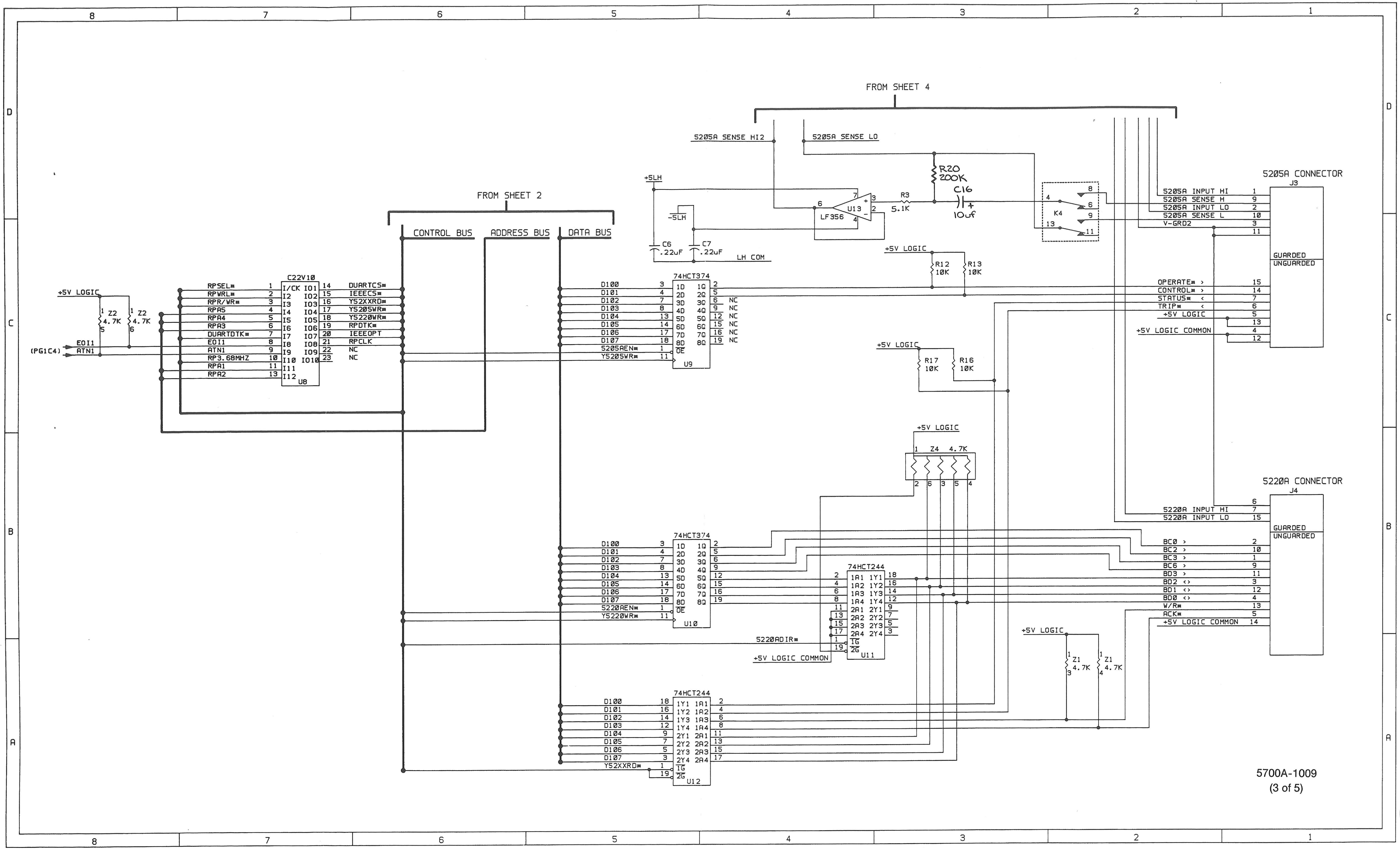


Figure 7-25. A21 Rear Panel PCA (cont)

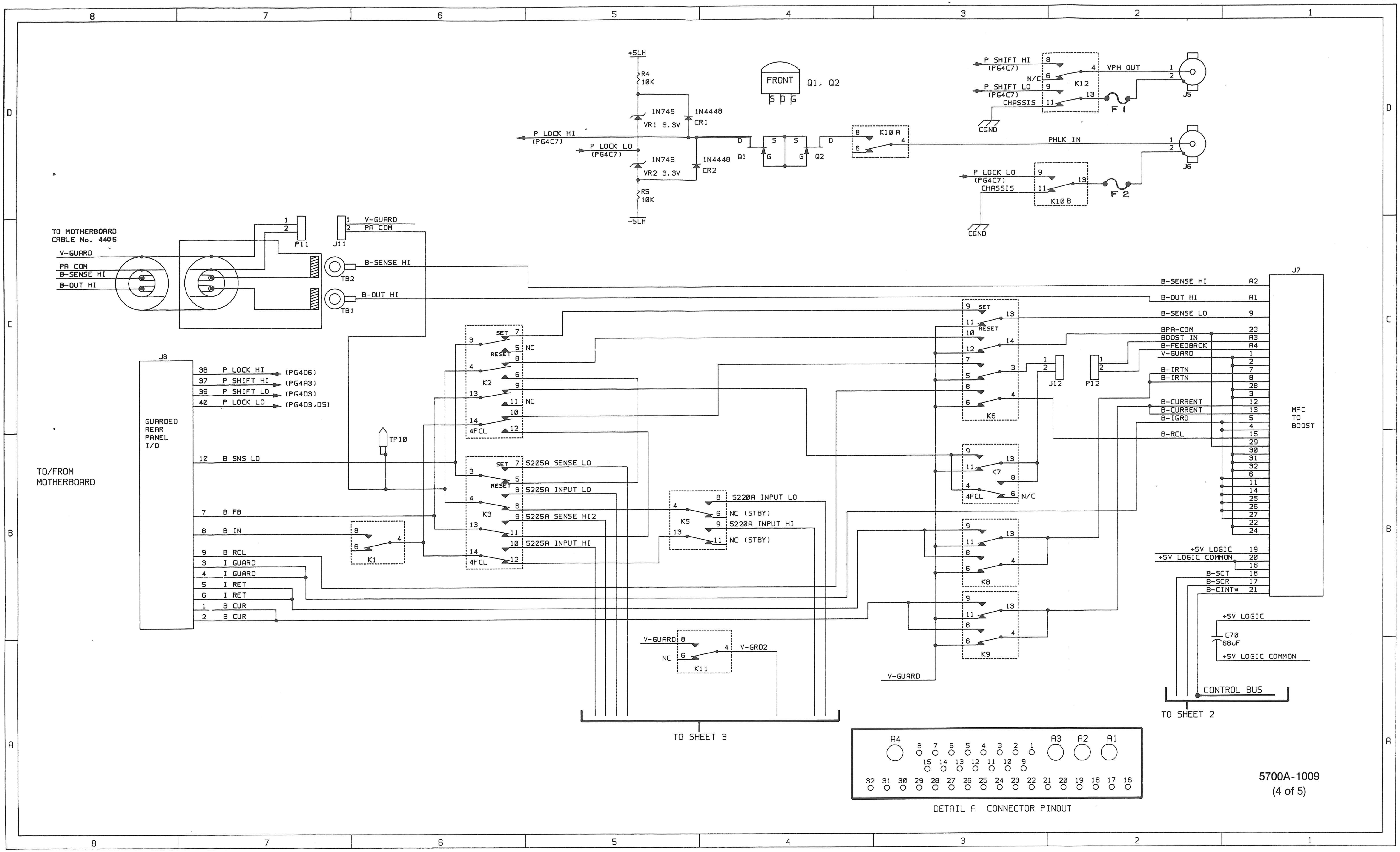
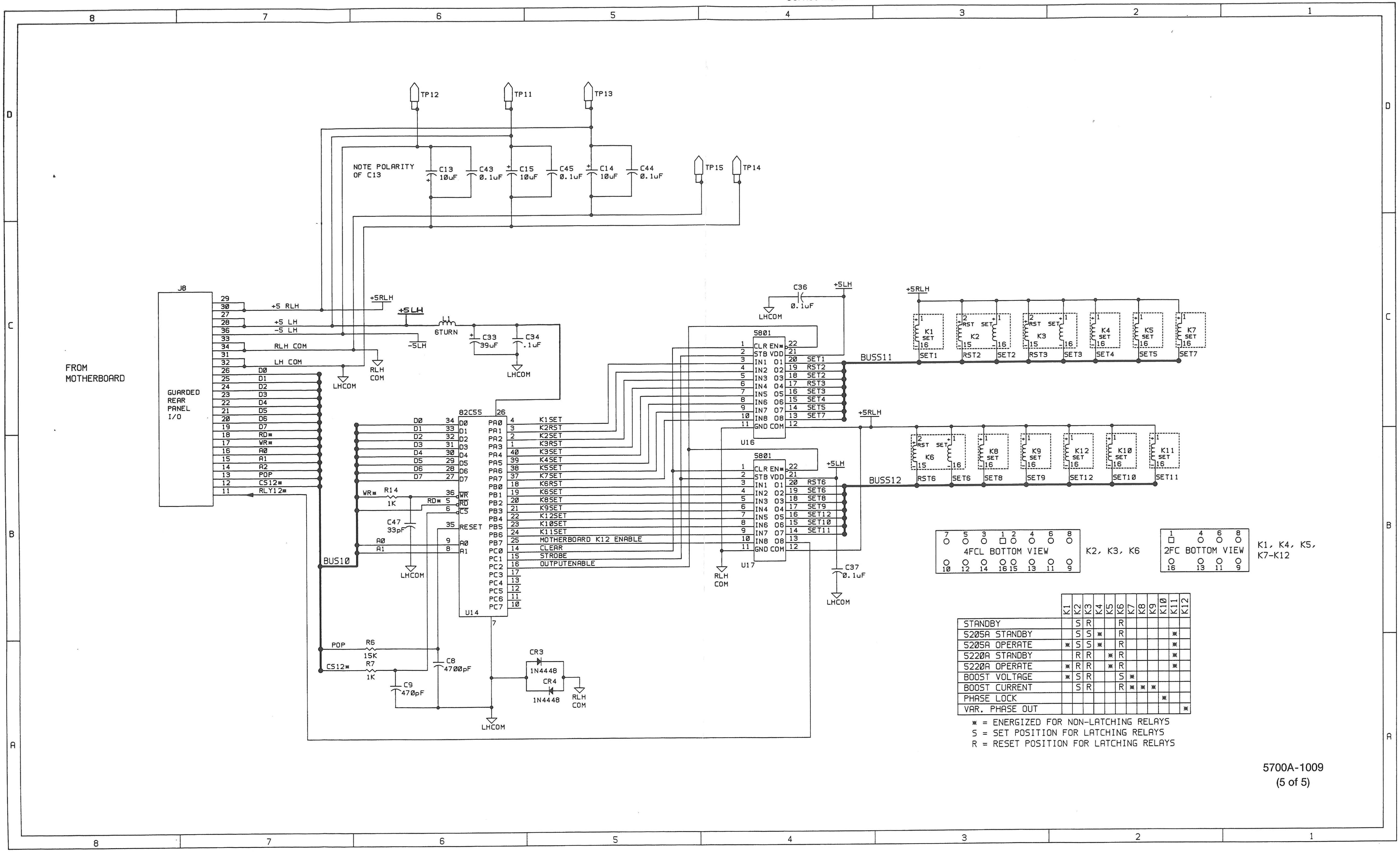


Figure 7-25. A21 Rear Panel PCA (cont)



	K1	K2	K3	K4	K5	K6	K7	K8	K9	K10	K11	K12
STANDBY		S	R			R						
5205A STANDBY		S	S	*		R					*	
5205A OPERATE	*	S	S	*		R					*	
5220A STANDBY		R	R		*	R					*	
5220A OPERATE	*	R	R		*	R					*	
BOOST VOLTAGE	*	S	R			S	*					
BOOST CURRENT		S	R			R	*	*	*			
PHASE LOCK										*		
VAR. PHASE OUT												*

* = ENERGIZED FOR NON-LATCHING RELAYS
S = SET POSITION FOR LATCHING RELAYS
R = RESET POSITION FOR LATCHING RELAYS

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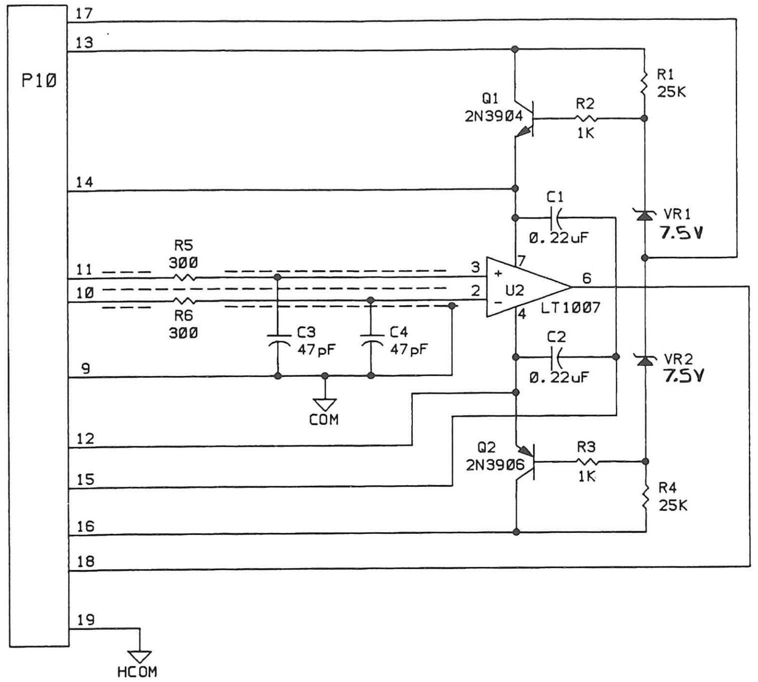
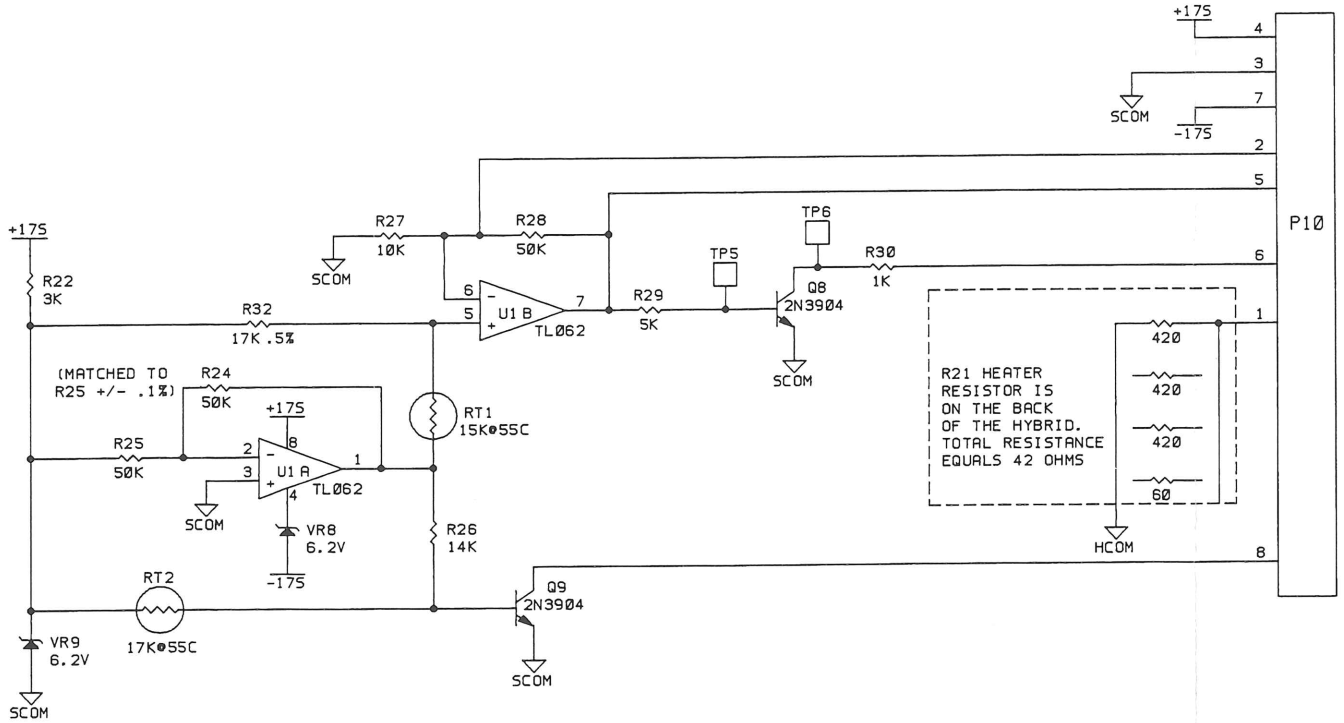
Figure 7-25. A21 Rear Panel PCA (cont)

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL RESISTOR VALUES ARE IN OHMS, 5%.
2. U2 IS A LT1007C (8 PIN PLASTIC DIP PACKAGE) TO BE MOUNTED FLUSH TO THE SUBSTRATE.
3. SUBSTRATE THICKNESS = 25MIL.
4. USE LA155 LEADS (513622).
5. USE LOW THERMAL MATERIAL ON LEADS (P10 - PINS 10 & 11).





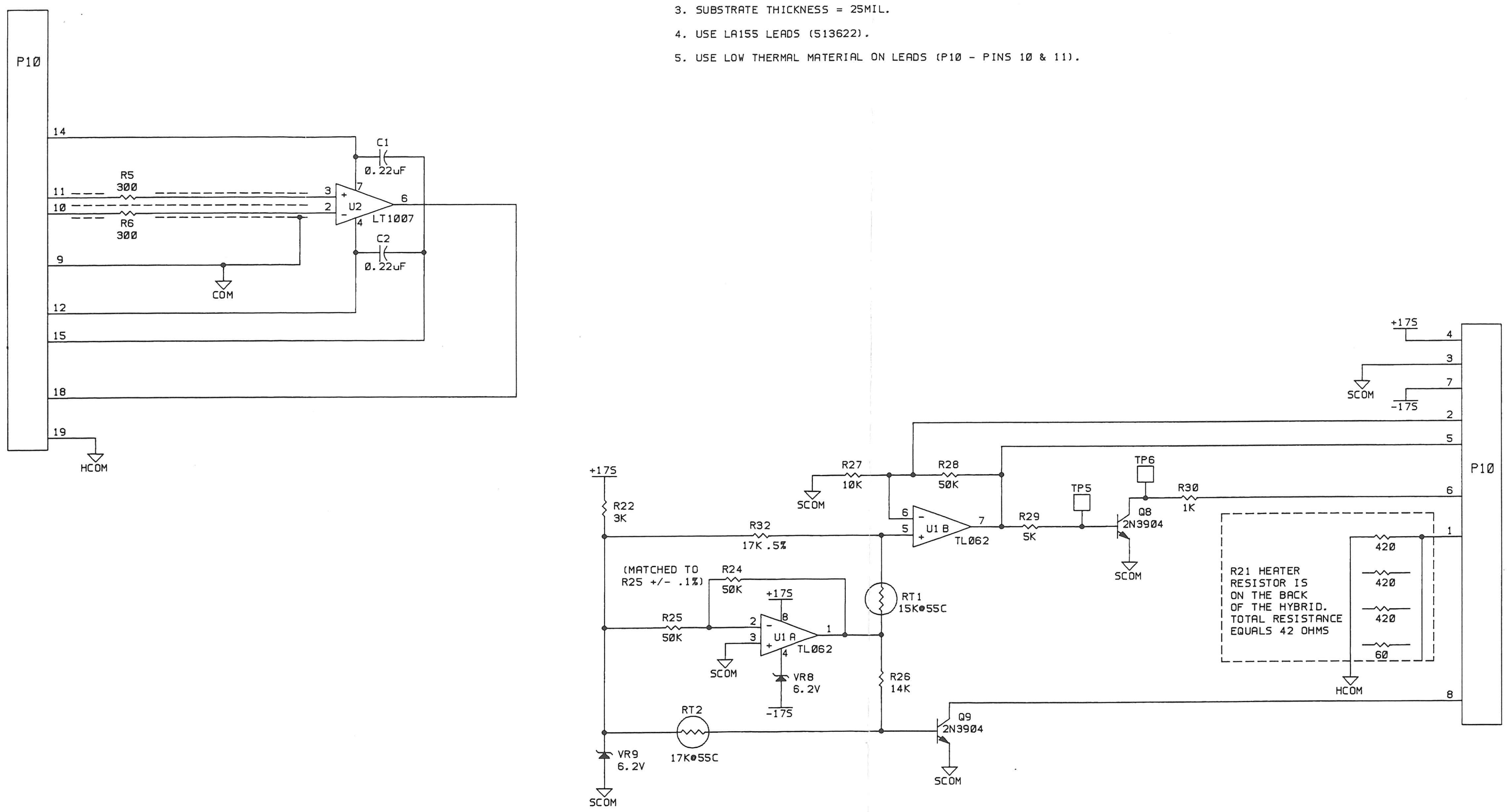
HYBRID NAME	USED ON ASSEMBLY	REF DES	SCHEMATIC
2V DC HYBRID	Switch Matrix (A8)	HR1	1H03
CURRENT HYBRID	Current/Hi-Res Oscillator (A7)	HR2	1H04
REFERENCE HYBRID	DAC (A11)	HR5	1H42
DC AMP HYBRID	DAC (A11)	HR6	1H06
DC AMP HYBRID	High Voltage/High Current (A15)	HR7	1H06
DC AMP HYBRID	Power Amplifier (A16)	HR8	1H06
RES NET HYBRID	Oscillator Output (A13)	U5, U7, U11	1H54

2V DC HYBRID
5700A-1H03

Figure 7-26. Hybrids

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL RESISTOR VALUES ARE IN OHMS, 5%.
2. U2 IS A LT1007C (8 PIN PLASTIC DIP PACKAGE) TO BE MOUNTED FLUSH TO THE SUBSTRATE.
3. SUBSTRATE THICKNESS = 25MIL.
4. USE LA155 LEADS (513622).
5. USE LOW THERMAL MATERIAL ON LEADS (P10 - PINS 10 & 11).

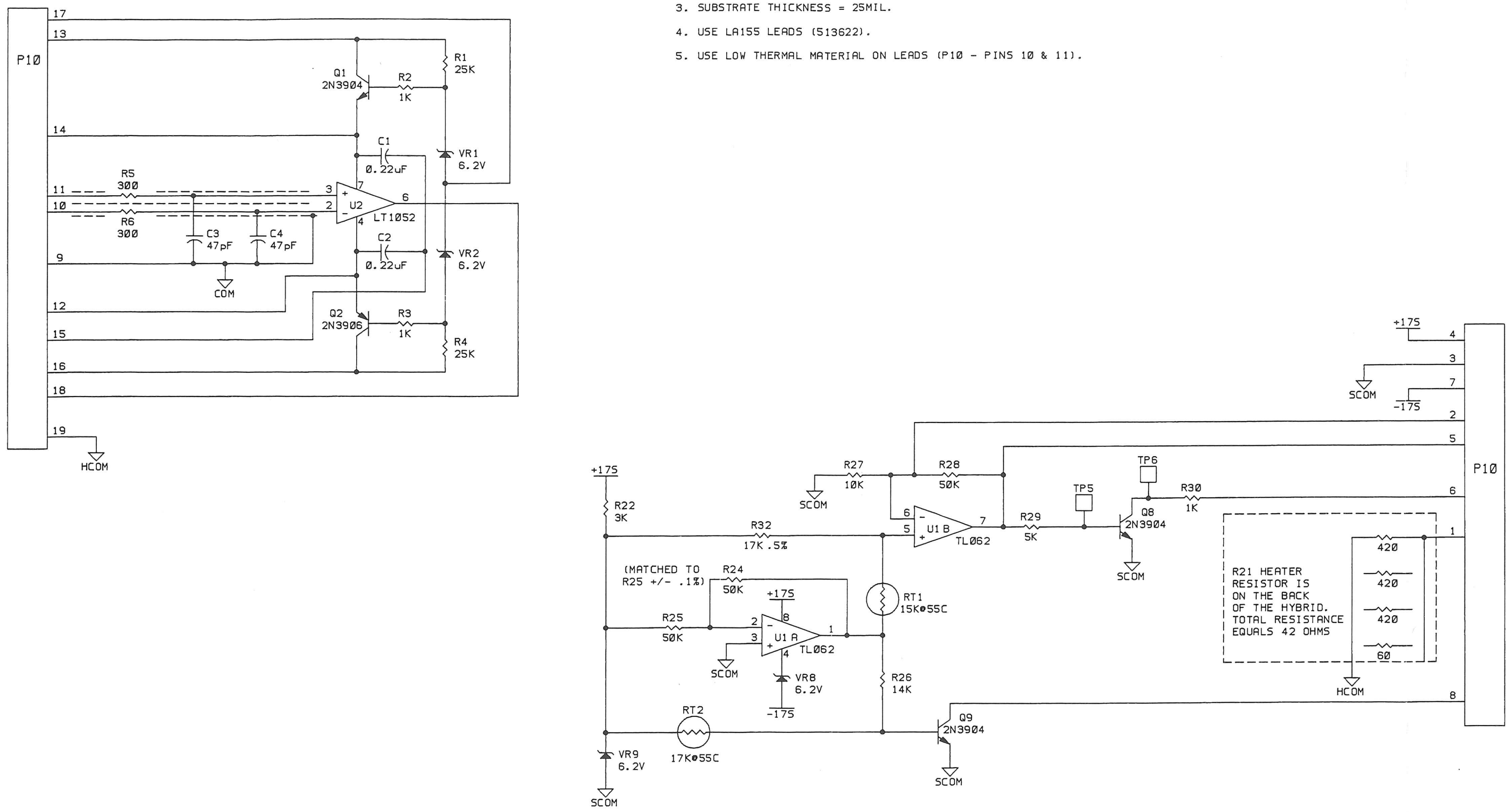


CURRENT HYBRID
5700A-1H04

Figure 7-26. Hybrids (cont)

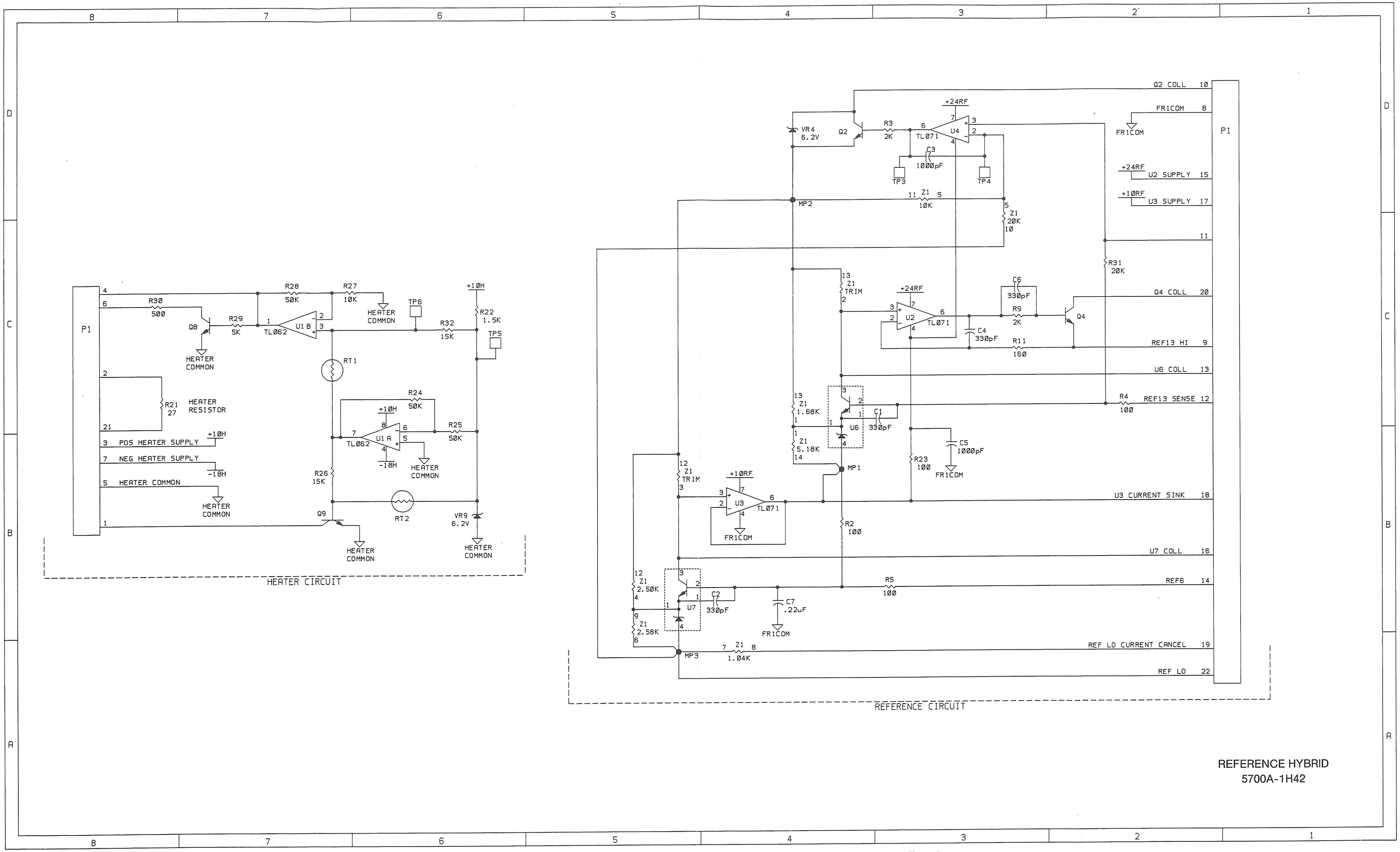
NOTES: (UNLESS OTHERWISE SPECIFIED)

1. ALL RESISTOR VALUES ARE IN OHMS, 5%.
2. U2 IS A LTC1052C (8 PIN PLASTIC DIP PACKAGE) TO BE MOUNTED FLUSH TO THE SUBSTRATE.
3. SUBSTRATE THICKNESS = 25MIL.
4. USE LA155 LEADS (513622).
5. USE LOW THERMAL MATERIAL ON LEADS (P10 - PINS 10 & 11).



DC AMP HYBRID
5700A-1H06

Figure 7-26. Hybrids (cont)



REFERENCE HYBRID
5700A-1H42

Figure 7-26. Hybrids (cont)

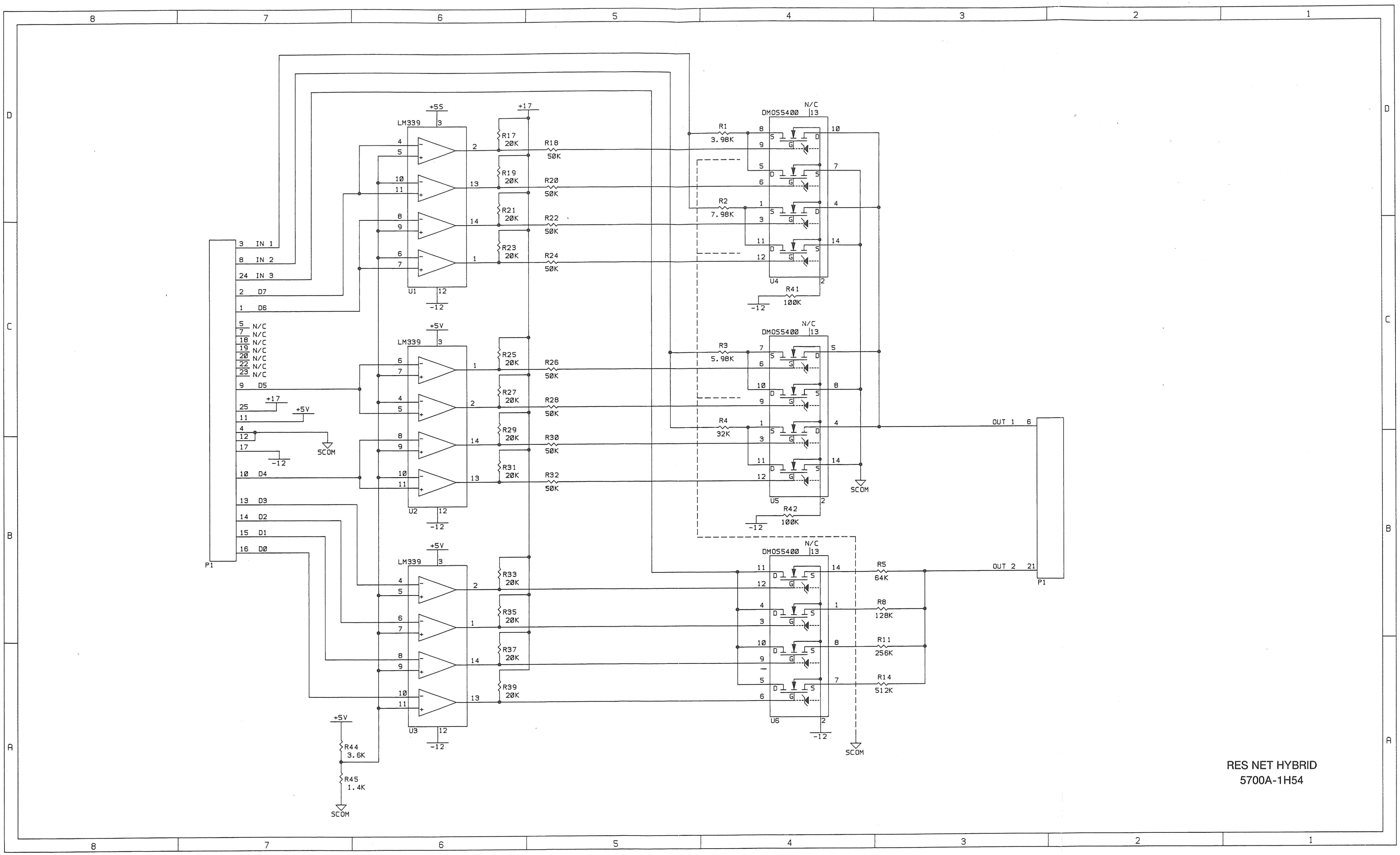


Figure 7-26. Hybrids (cont)