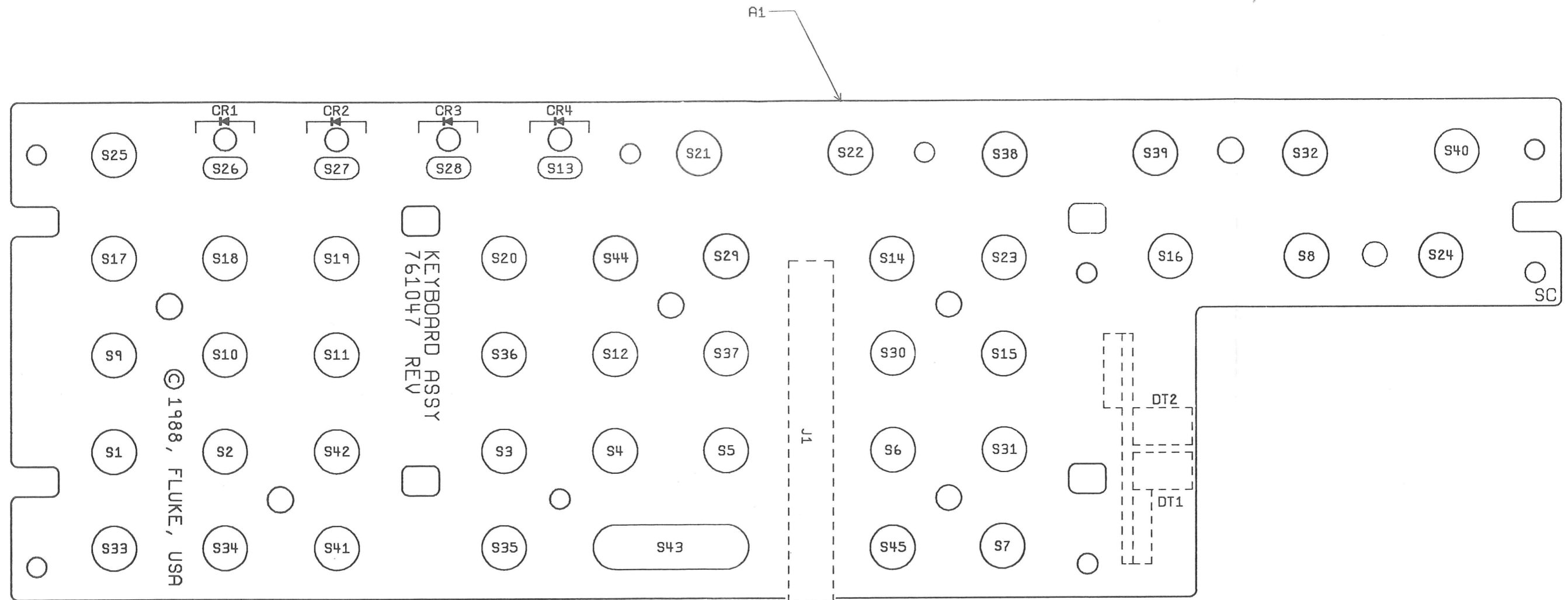


Section 7

Schematic Diagrams

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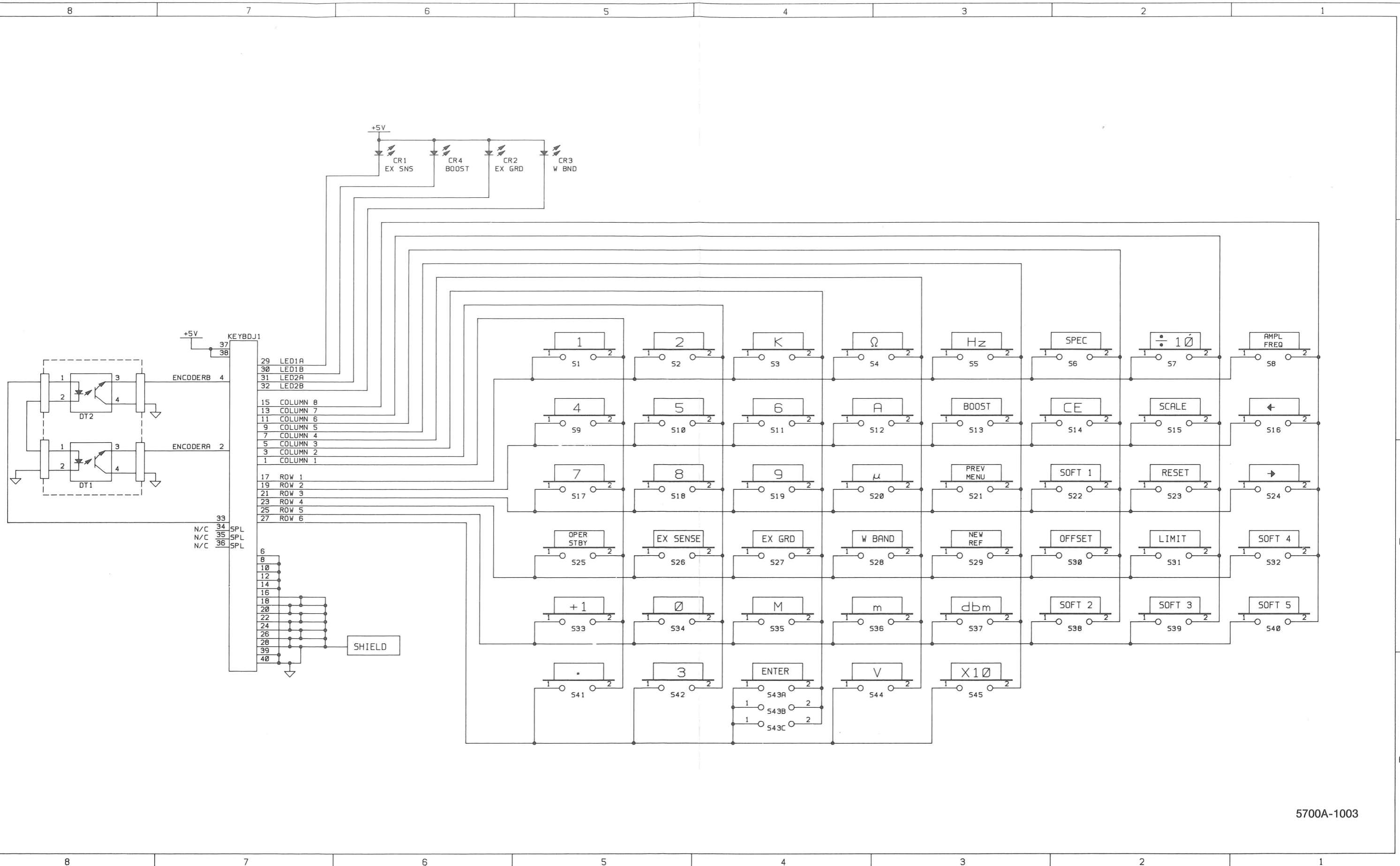
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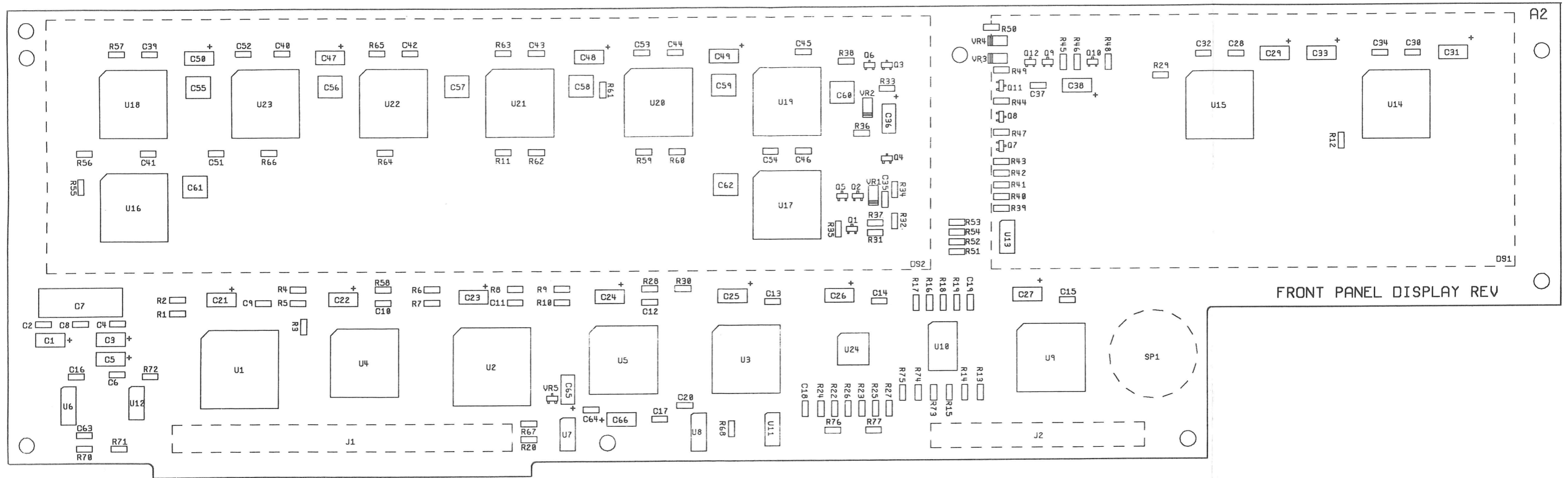
Figure 7-1. A1 Keyboard PCA

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Figure 7-1. A1 Keyboard PCA (cont)



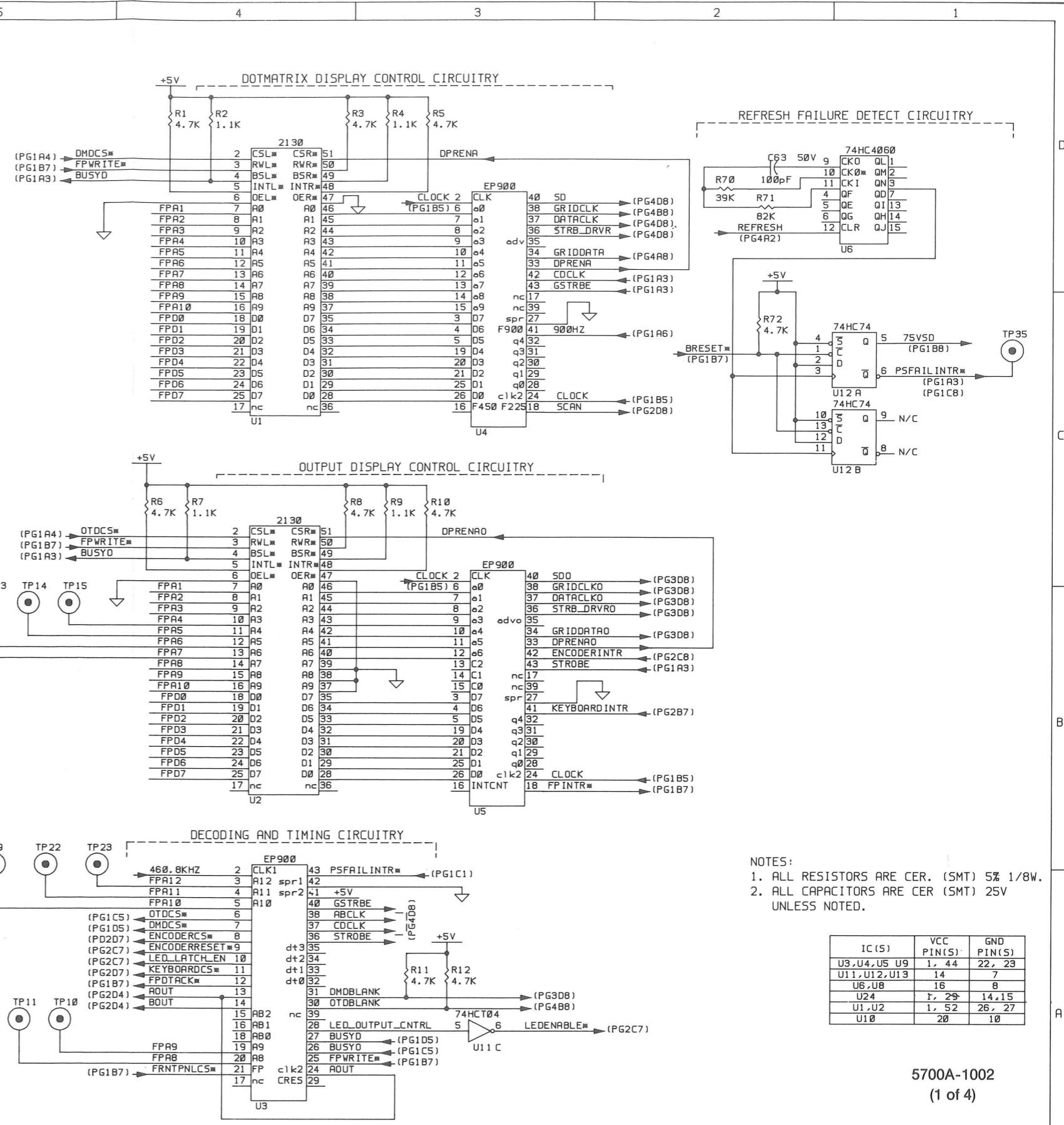
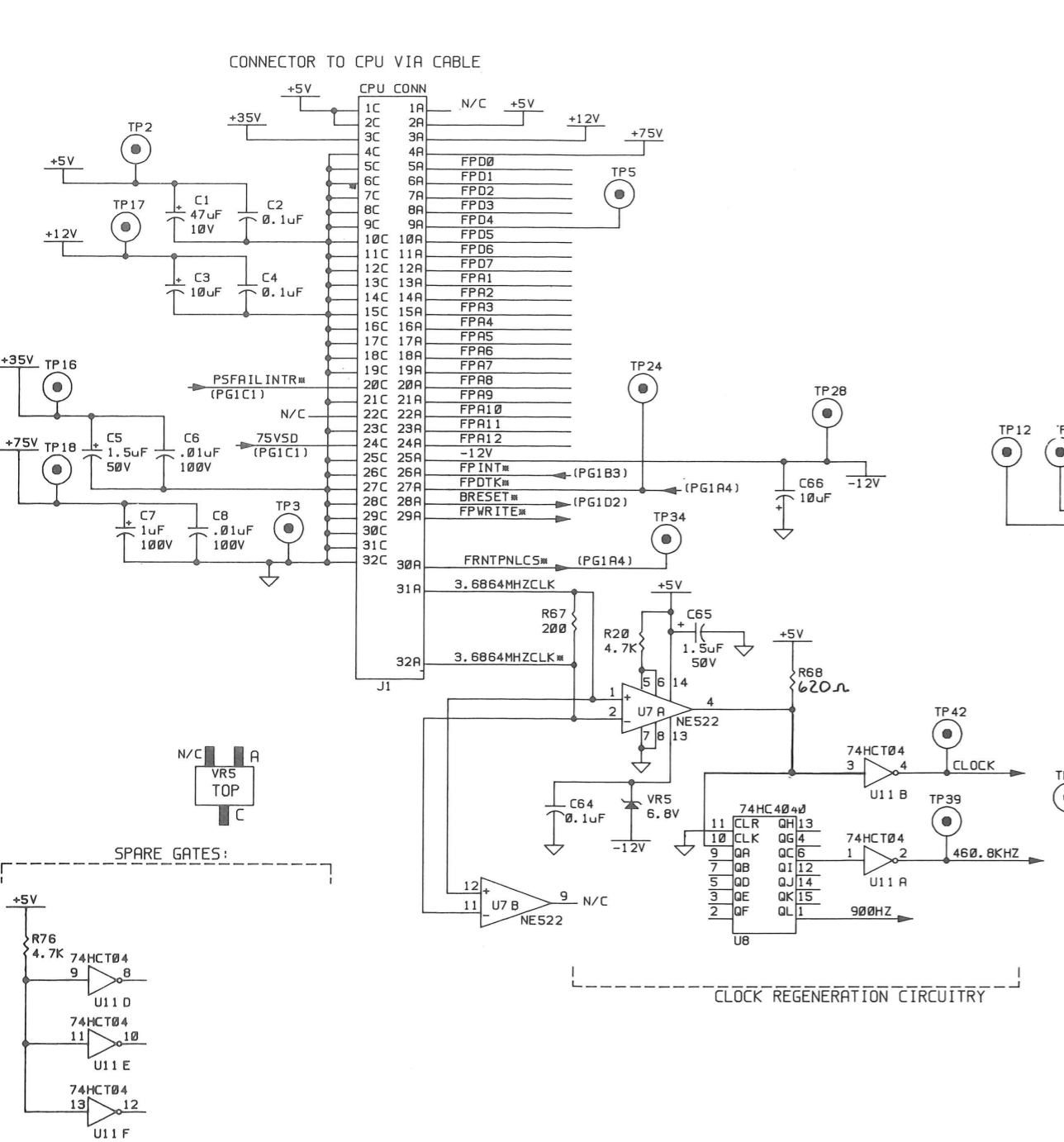
FRONT PANEL DISPLAY REV

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Figure 7-2. A2 Front Panel PCA

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TP1 = S0 (PG4D8)	TP16 = +35V (PG1C8)	TP31 = GRIDDATA0 (PG3D6)	TP46 = DOTMTRFILAMENTB (PG4C7)
TP2 = +5V (PG1C8)	TP17 = +12V (PG1C8)	TP32 = DATACLK0 (PG3D7)	TP47 = OUTPUTFILAMENTB (PG3C3)
TP3 = GND (PG1B7)	TP18 = +75V (PG1B8)	TP33 = SDO0 (PG3D7)	TP48 = OUTPUTFILAMENTA (PG3C7)
TP4 = D3 (PG2C8)	TP19 = REFRESH (PG4B2)	TP34 = FRNTPNLCS* (PG1B6)	TP49 = U15 SERIAL OUT (PG3D3)
TP5 = D4 (PG1C6)	TP20 = GRIDCLK (PG4B8)	TP35 = PSFAILINTR* (PG1C1)	TP50 = U14 SERIAL OUT (PG3D5)
TP6 = D1 (PG2C7)	TP21 = GRIDDATA (PG4A8)	TP36 = CDCLK (PG4D7)	
TP7 = D2 (PG2C8)	TP22 = A11 (PG1A5)	TP37 = OTDCLK (PG3D6)	
TP8 = D0 (PG2C7)	TP23 = A12 (PG1A5)	TP38 = DMDBLANK (PG4B8)	
TP9 = A10 (PG1A5)	TP24 = FPDTR* (PG1C6)	TP39 = 460.8KHZ (PG1B5)	
TP10 = A9 (PG1A5)	TP25 = STRB_DRVVR (PG4D7)	TP40 = BOUT (PG2D4)	
TP11 = A8 (PG1A5)	TP26 = ABCLK (PG4D7)	TP41 = AOUT (PG2D4)	
TP12 = A7 (PG1B5)	TP27 = DATACLK (PG4D7)	TP42 = CLOCK (PG1B5)	
TP13 = A6 (PG1B5)	TP28 = -12V (PG1C6)	TP43 = U17 SERIAL OUT (PG4D4)	
TP14 = A5 (PG1B5)	TP29 = GRIDCLK0 (PG3D6)	TP44 = DOTMTRFILAMENTA (PG4C2)	
TP15 = A4 (PG1B5)	TP30 = STRB_DRVVR0 (PG3D6)	TP45 = U19 SERIAL OUT (PG4D1)	

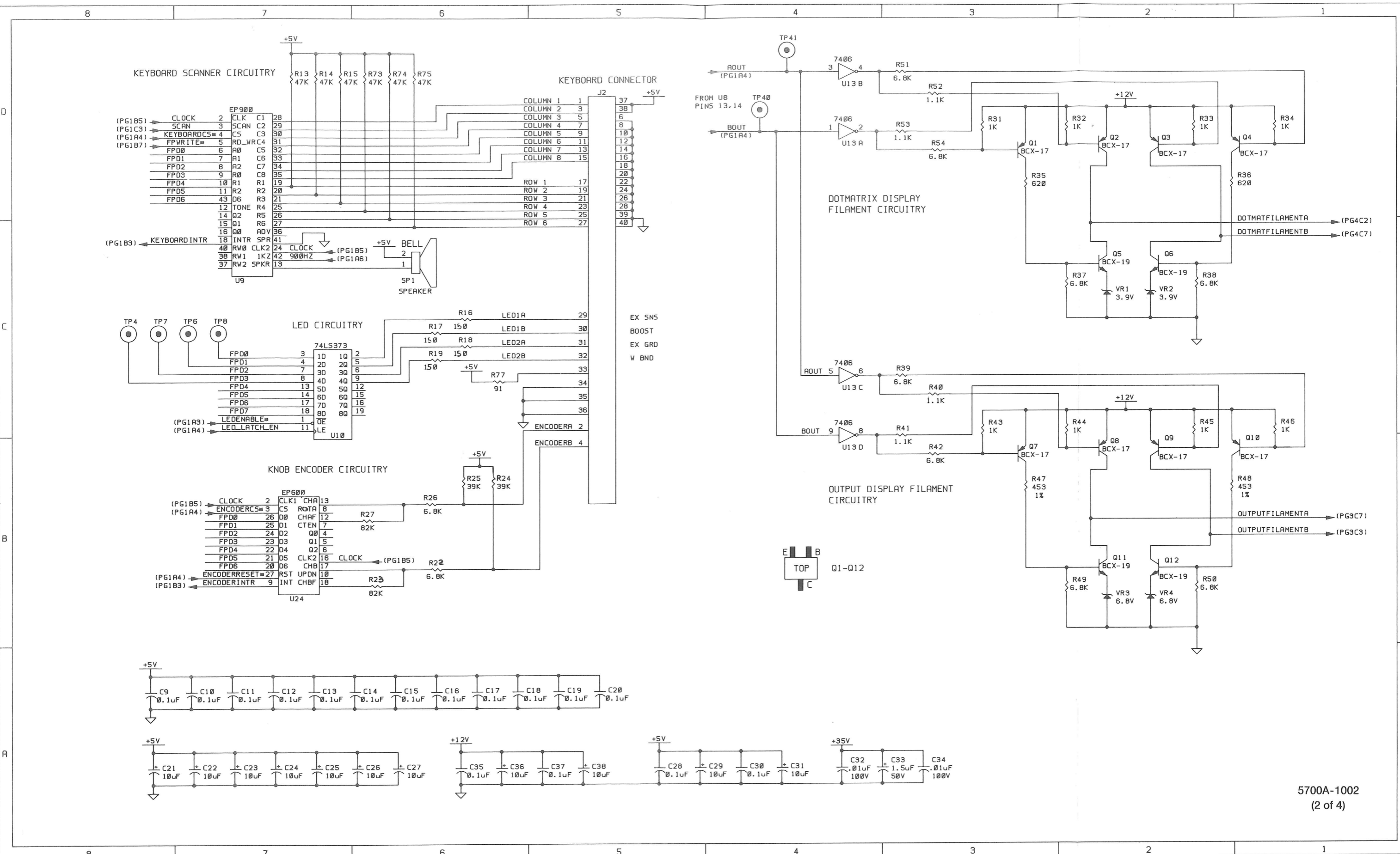


- NOTES:
- ALL RESISTORS ARE CER. (SMT) 5% 1/8W.
 - ALL CAPACITORS ARE CER (SMT) 25V UNLESS NOTED.

IC (S)	VCC PIN(S)	GND PIN(S)
U3,U4,U5 U9	1, 44	22, 23
U1,U12,U13	14	7
U6,U8	16	8
U24	1, 29	14, 15
U1,U2	1, 52	26, 27
U10	20	10

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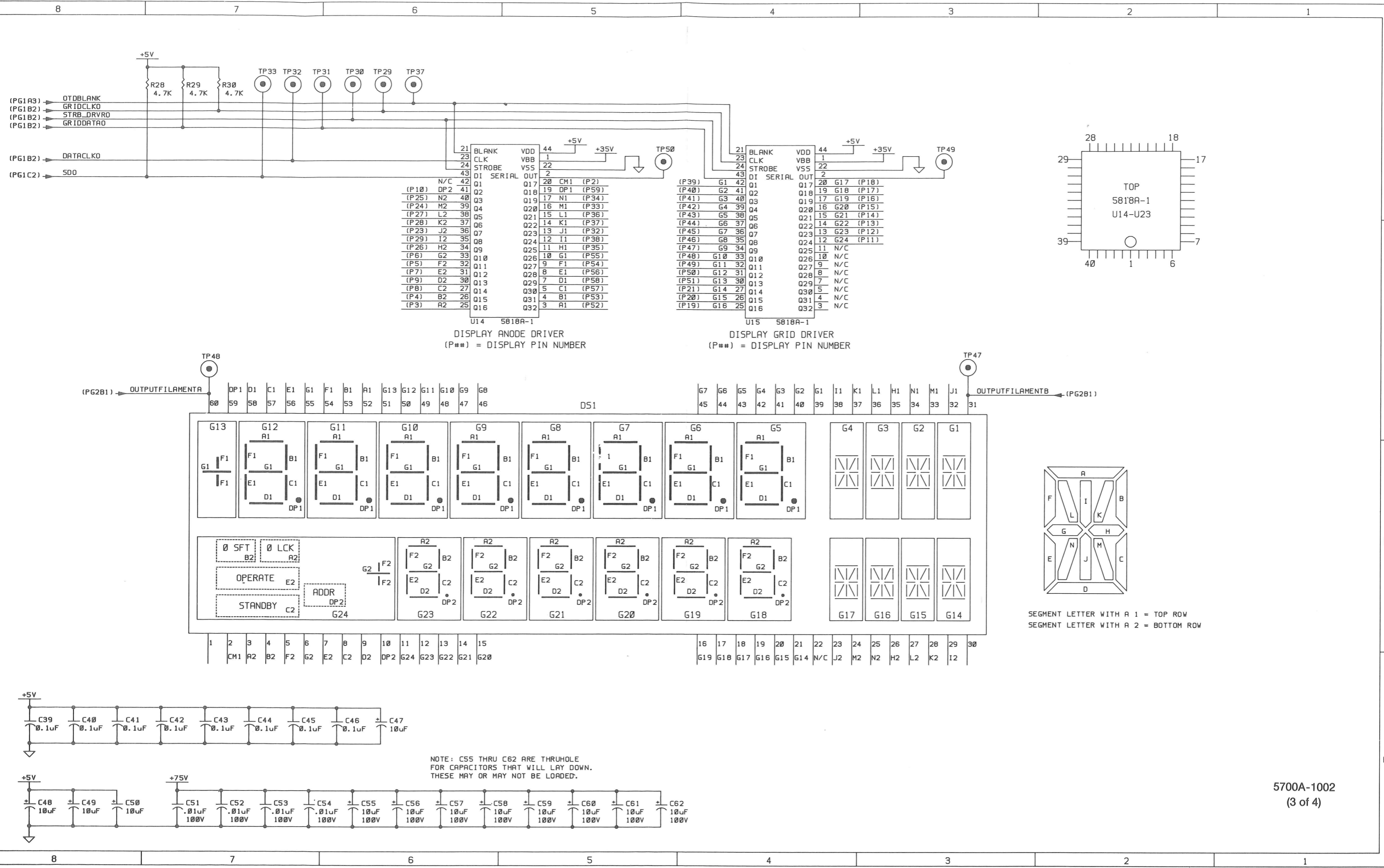
Figure 7-2. A2 Front Panel PCA (cont)



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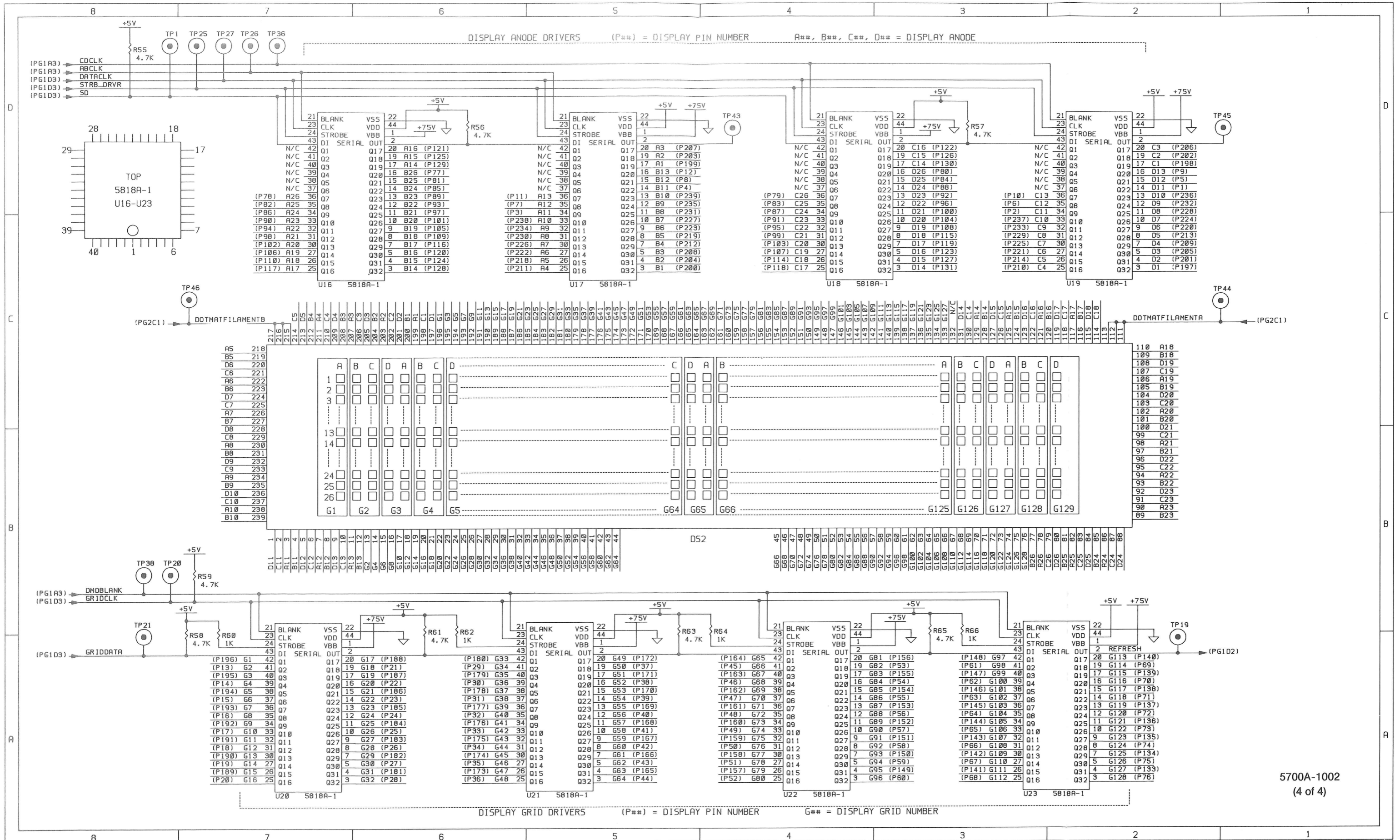
Figure 7-2. A2 Front Panel PCA (cont)

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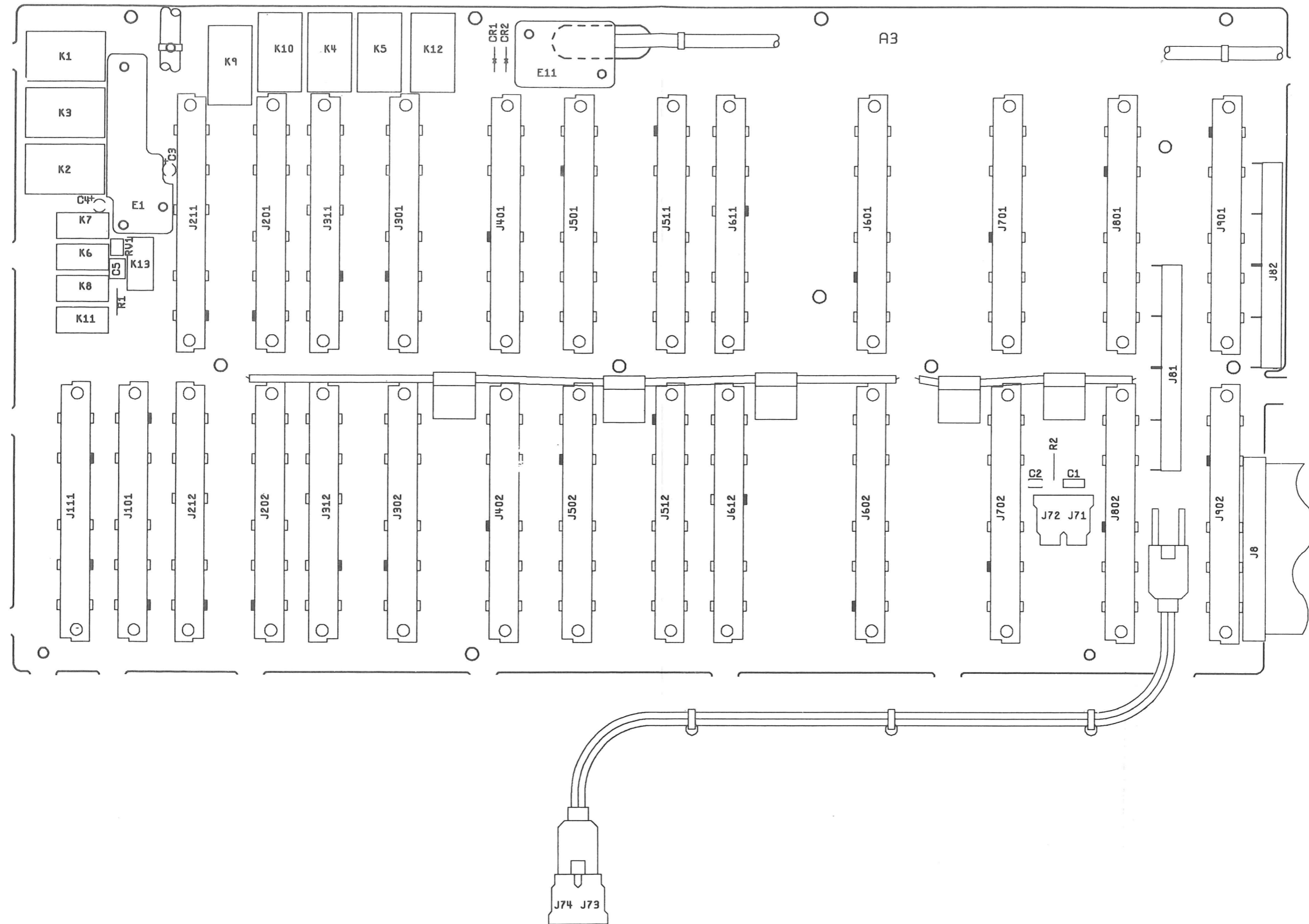
Figure 7-2. A2 Front Panel PCA (cont)



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

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Figure 7-3. A3 Analog Motherboard PCA

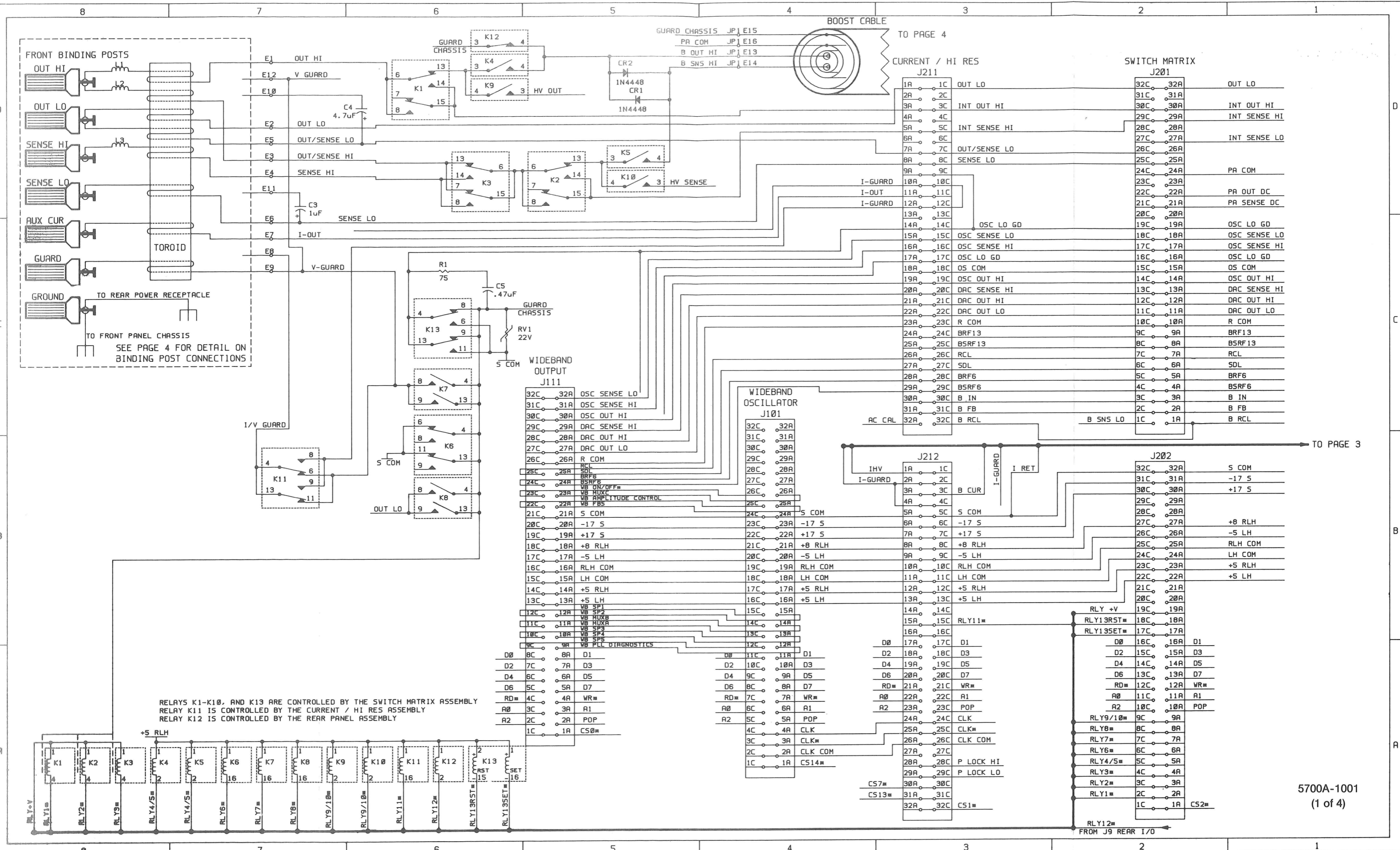
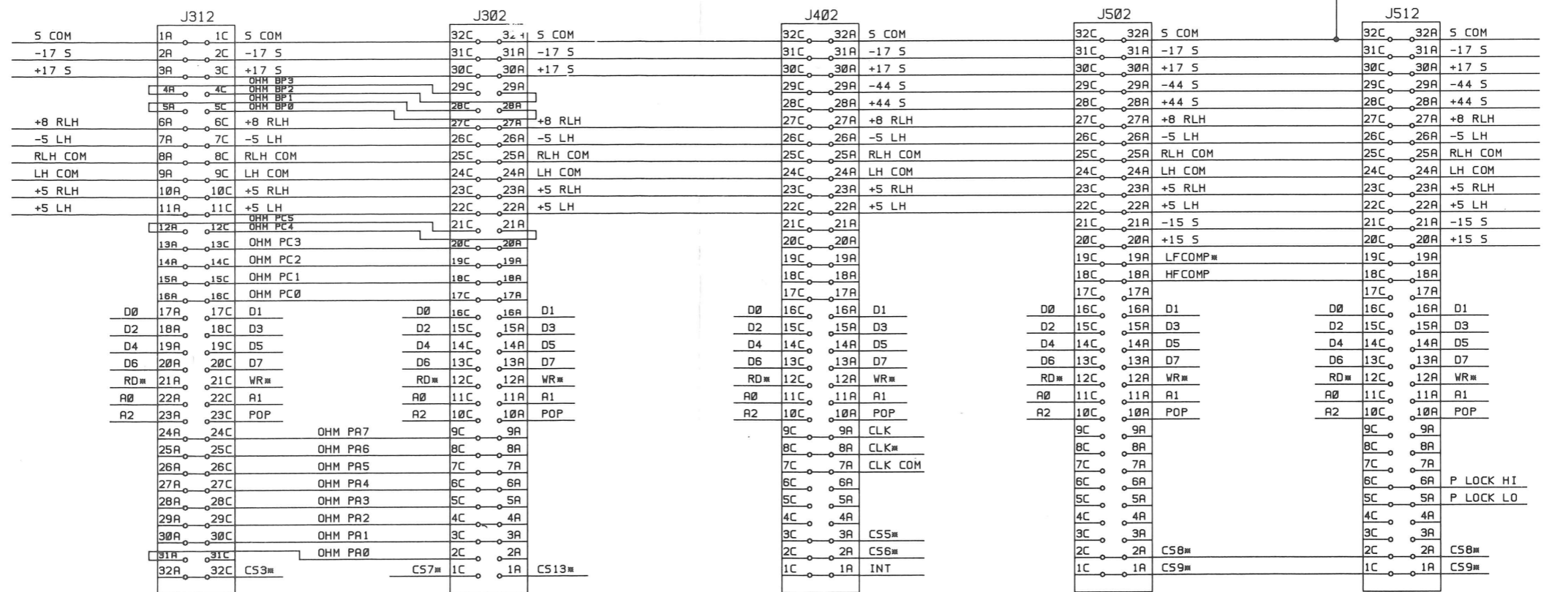
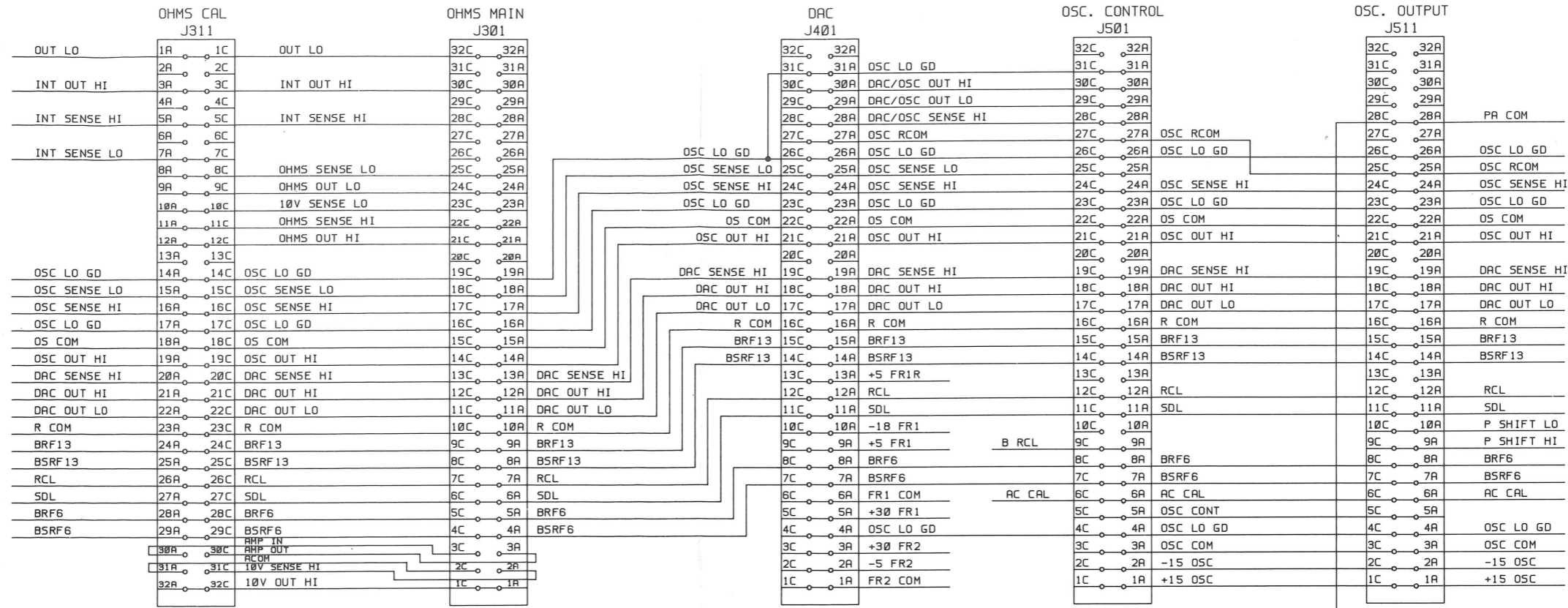


Figure 7-3. A3 Analog Motherboard PCA

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8 7 6 5 4 3 2 1

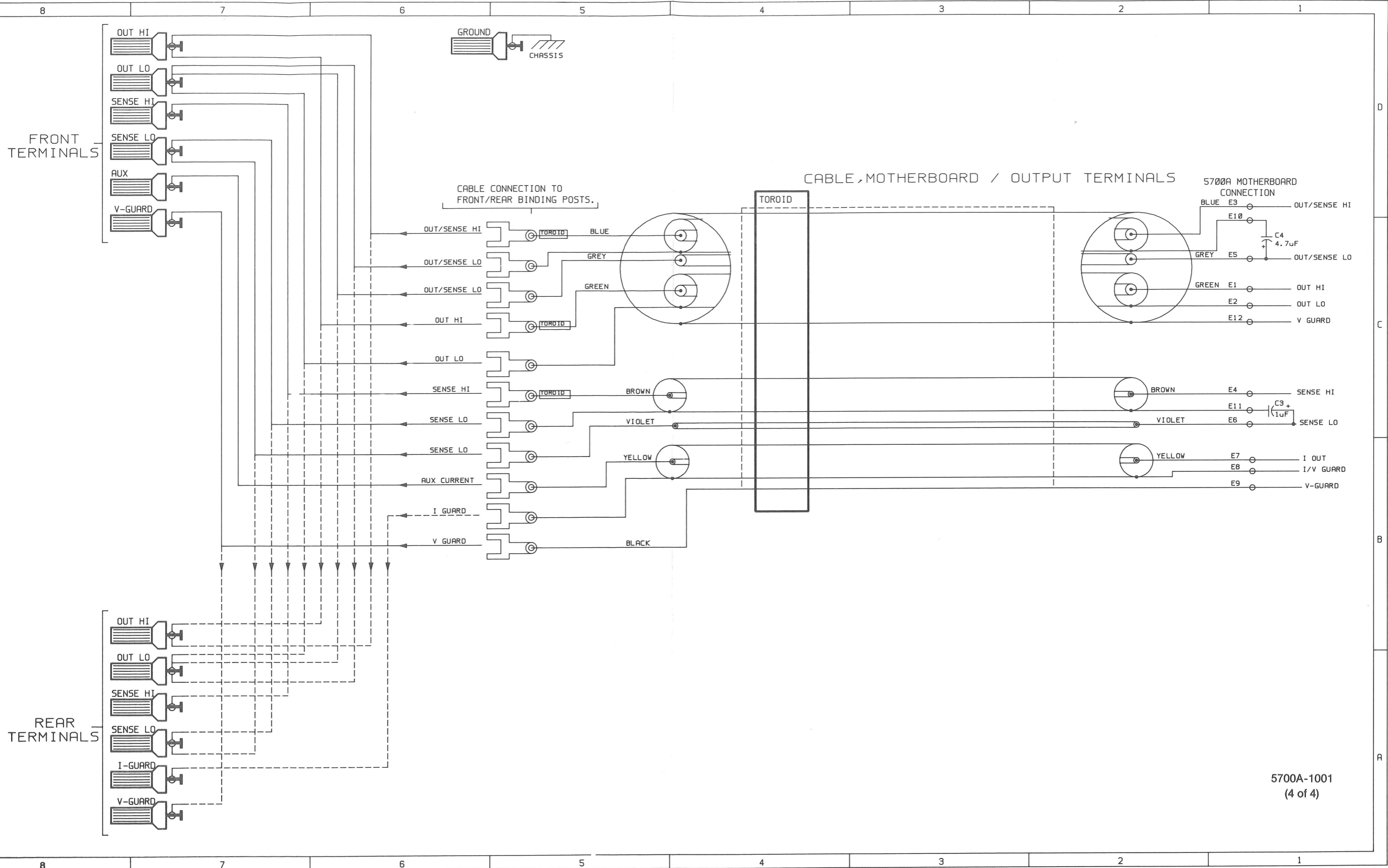


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8 7 6 5 4 3 2 1

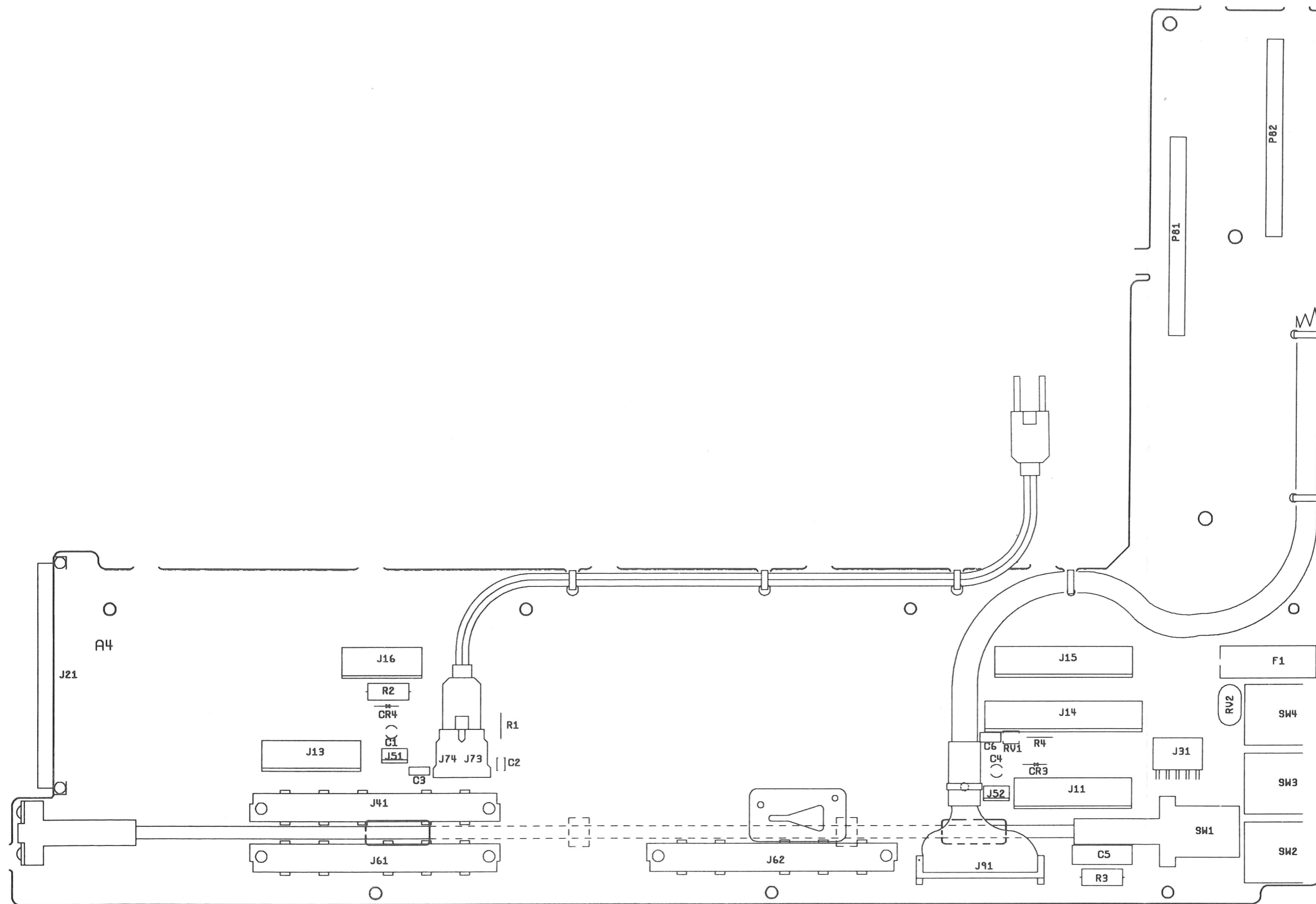
Figure 7-3. A3 Analog Motherboard PCA (cont)

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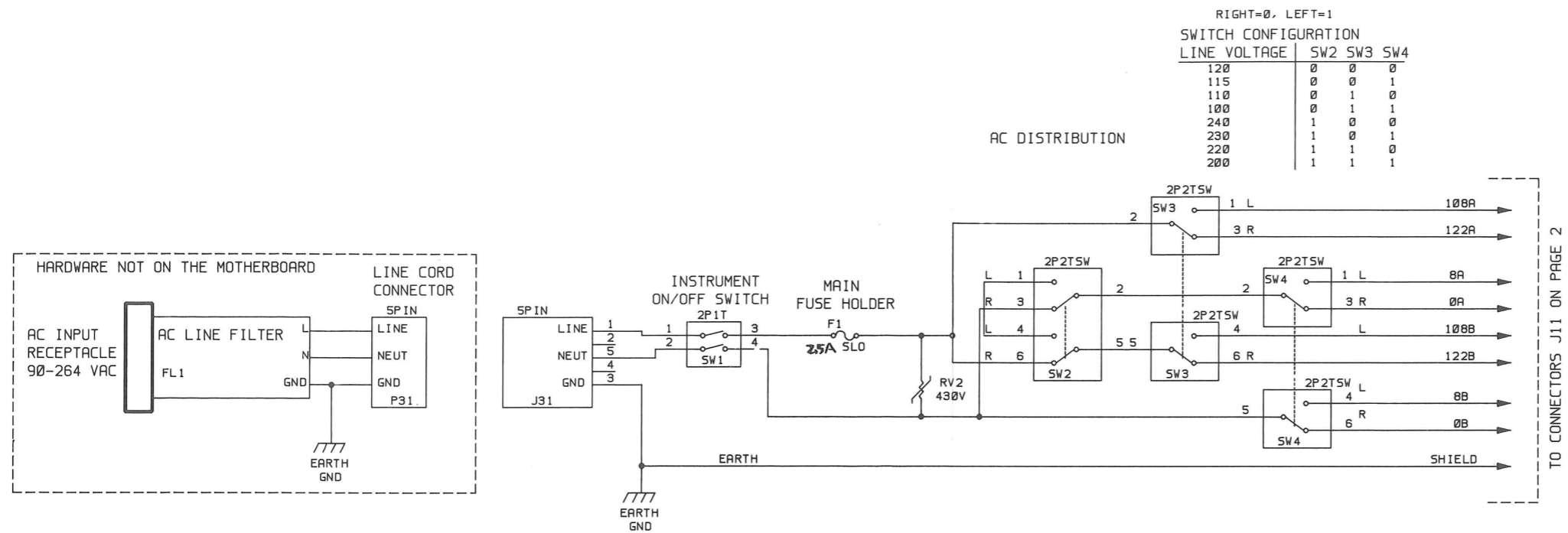
Figure 7-3. A3 Analog Motherboard PCA (cont)



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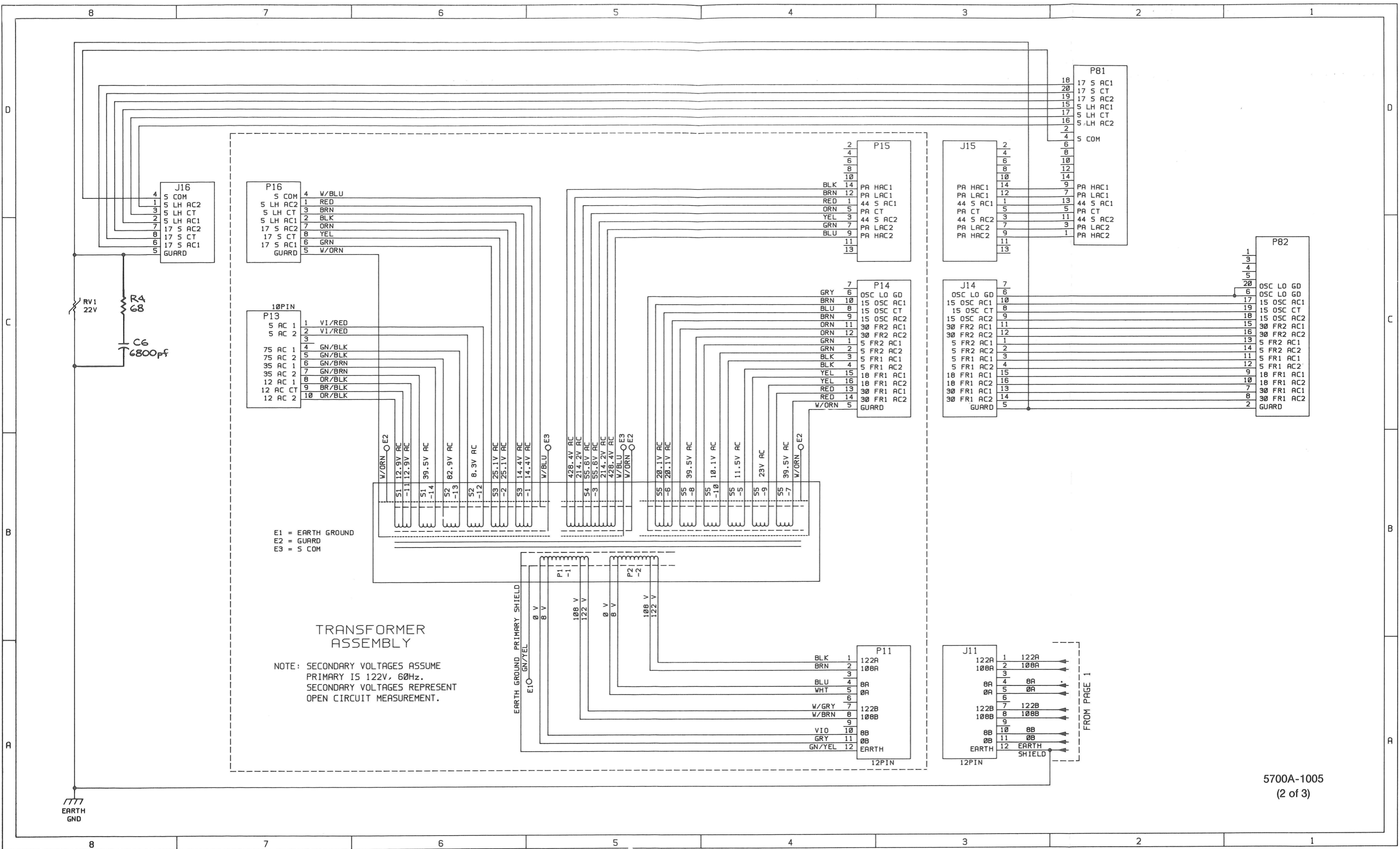
Figure 7-4. A4 Digital Motherboard PCA

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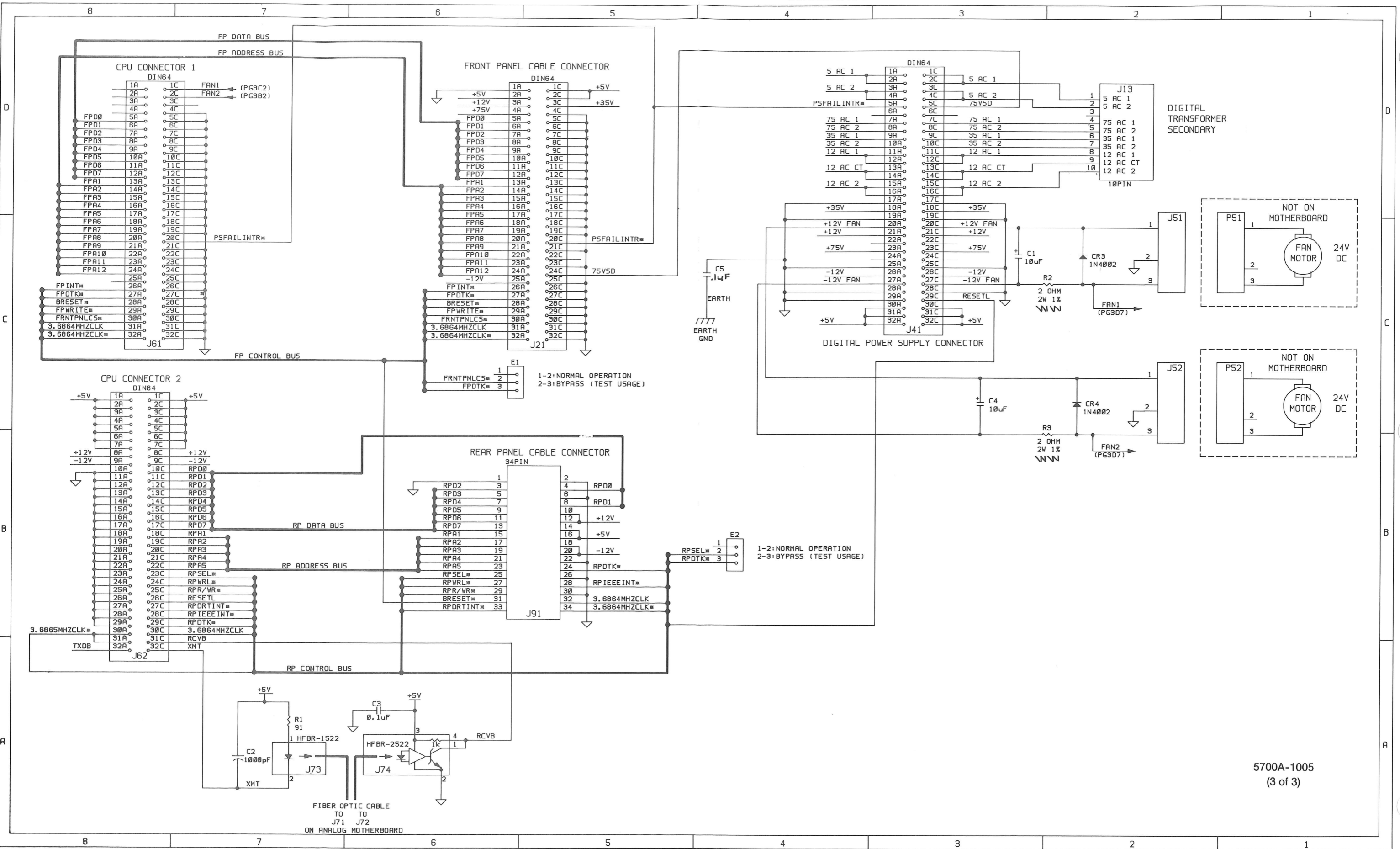
Figure 7-4. A4 Digital Motherboard PCA (cont)



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

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