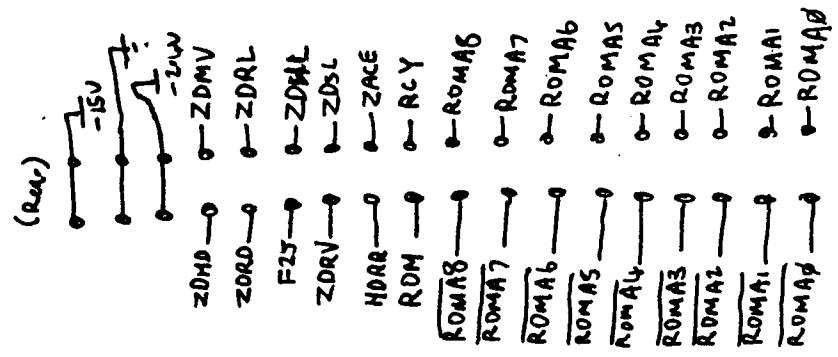
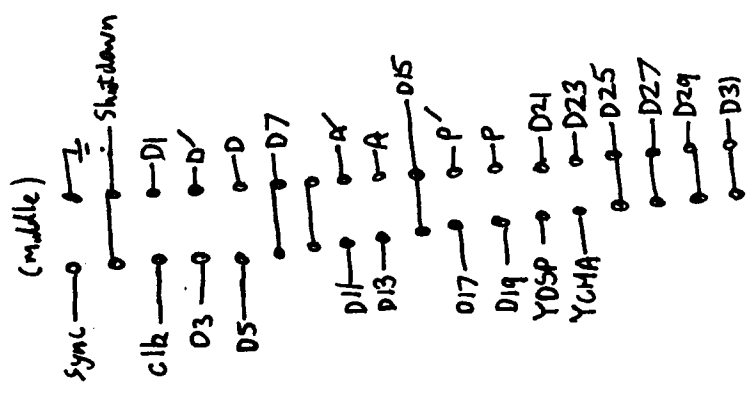
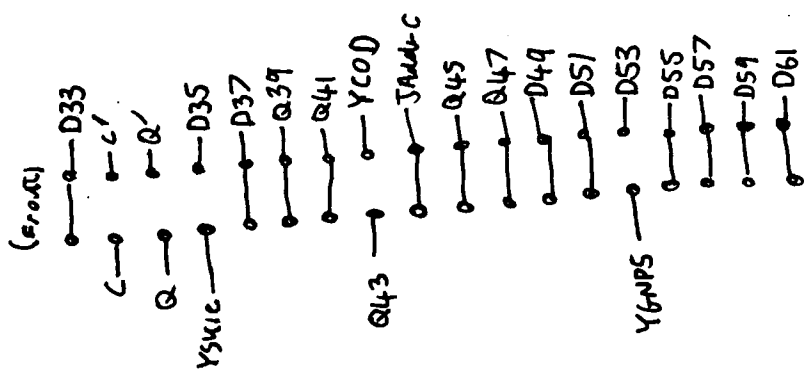
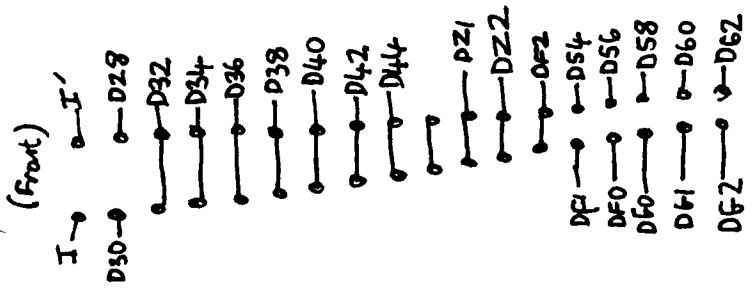
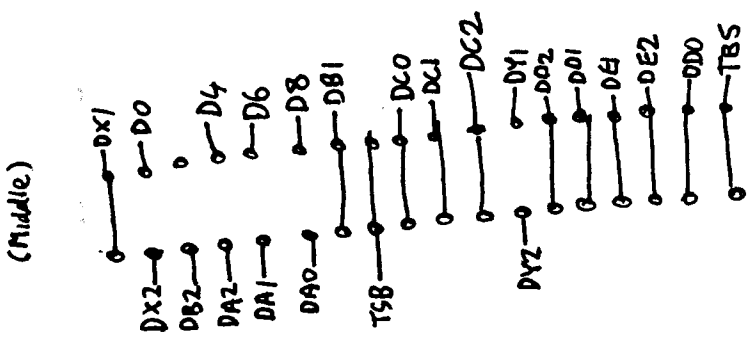
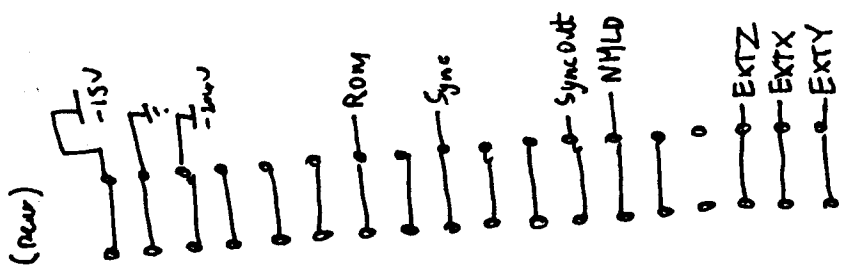


↑ Rear of machine  
 ← Top



Note: All resistors 4k7 unless specified

Left Sideboard Connectors



↑ Rear of Machine  
 ↙ Top

Right Sideboard Connectors

(Control Logic Rear)

-15V  
 -15V  
 -15V  
 CLK  
 RUY  
 C  
 ROM  
 TP10  
 TP11  
 Shutdown  
 TMS  
 TBS  
 C  
 DAZ  
 C  
 SC3  
 C  
 C  
 SC1  
 SC2  
 TBA  
 C

(Control Logic Front)

TSB-C → SC4  
 → RDM  
 D-C → D'  
 A-C → A'  
 P-C → P'  
 C-C → C'  
 HIB-C → HIP  
 Q-C → Q'  
 I-C → I'  
 → DB2  
 C60-C → BADA  
 → BADA  
 → BADA  
 TP13-C → BALB  
 C62-C → BALC  
 GAN-C → BALD  
 C63-C → BALD  
 TP14-C → BALD  
 C64-C → BALD  
 VTM-C → BALD  
 C65-C → BALD  
 TP15-C → BALD

Left Hand Modules

(LM FlipFlop Rear)

→ -15V  
 → -15V  
 → -15V  
 → ROMALIKEN  
 ROMAB-C → JAB  
 ROMAB-C → KAB  
 ROMAB-C → JAJ  
 ROMAB-C → KAJ  
 ROMAB-C → JAB  
 ROMAB-C → KAB  
 ROMAB-C → JAJ  
 ROMAB-C → KAJ  
 ROMAB-C → JAB  
 ROMAB-C → KAB  
 ROMAB-C → JAJ  
 ROMAB-C → KAJ  
 ROMAB-C → JAB  
 ROMAB-C → KAB  
 ROMAB-C → JAJ  
 ROMAB-C → KAJ  
 ROMAB-C → JAB  
 ROMAB-C → KAB  
 ROMAB-C → JAJ  
 ROMAB-C → KAJ

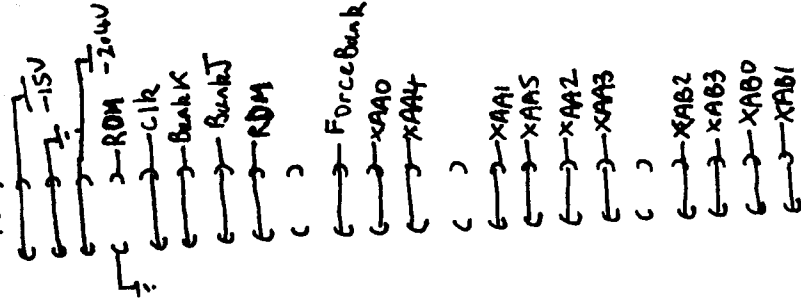
(LM FlipFlop Front)

E80-C → JSO  
 F50-C → K50  
 E51-C → JS1  
 F51-C → K51  
 E52-C → JS2  
 F52-C → K52  
 E53-C → JS3  
 F53-C → K53  
 E54-C → JS4  
 F54-C → K54  
 F54-C → JS4  
 F54-C → K54  
 BADA-C → JADA  
 BADA-C → KADA  
 BALB-C → JALB  
 BALB-C → KALB  
 BALC-C → JALC  
 BALC-C → KALC  
 BALD-C → JALD  
 BALD-C → KALD  
 BALD-C → JALD  
 BALD-C → KALD  
 BALD-C → JALD  
 BALD-C → KALD  
 BALD-C → JALD  
 BALD-C → KALD  
 BALD-C → JALD  
 BALD-C → KALD  
 BALD-C → JALD  
 BALD-C → KALD

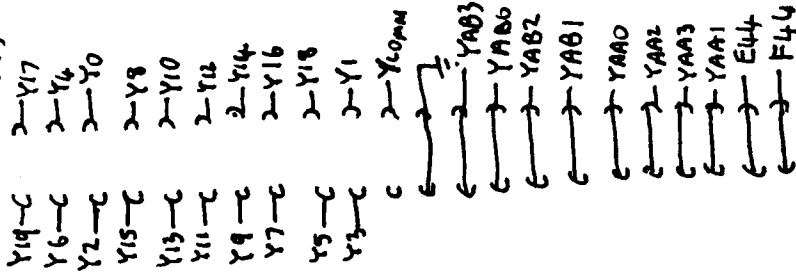
↑ Rear of Machine  
 ← LHS

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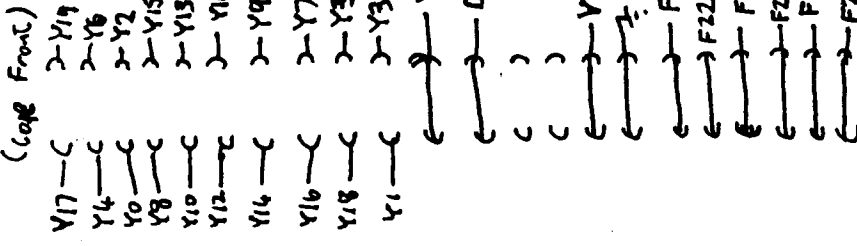
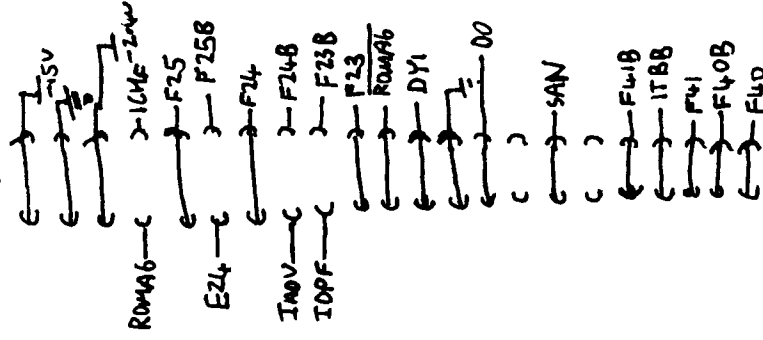
(Core Address Rear)



(Core Address Front)



(Core Rear)

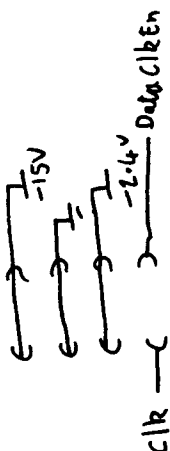


Core Memory Connectors

↑ Rear of Machine  
← LHS

HP91000 Gating Board Slot (4)

(Rear)



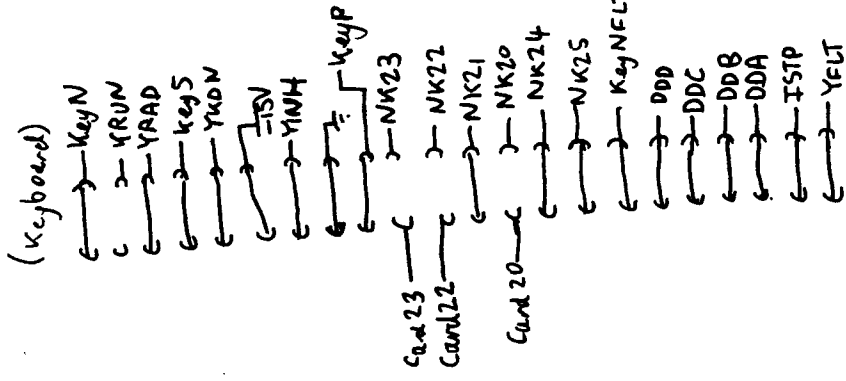
- clr — C
- E25 — C
- F25 — C
- E24 — C
- F24 — C
- E23 — C
- F23 — C
- E22 — C
- F22 — C
- E21 — C
- F21 — C
- E20 — C
- F20 — C
- E30 — C
- F30 — C
- E31 — C
- F31 — C
- E32 — C
- F32 — C

(Front)

- E33 — C
- F33 — C
- E34 — C
- F34 — C
- E75 — C
- F75 — C
- E72 — C
- F72 — C
- E71 — C
- F71 — C
- E70 — C
- F70 — C
- E40 — C
- F40 — C
- E41 — C
- F41 — C
- E42 — C
- F42 — C
- E43 — C
- F43 — C
- E44 — C
- F44 — C

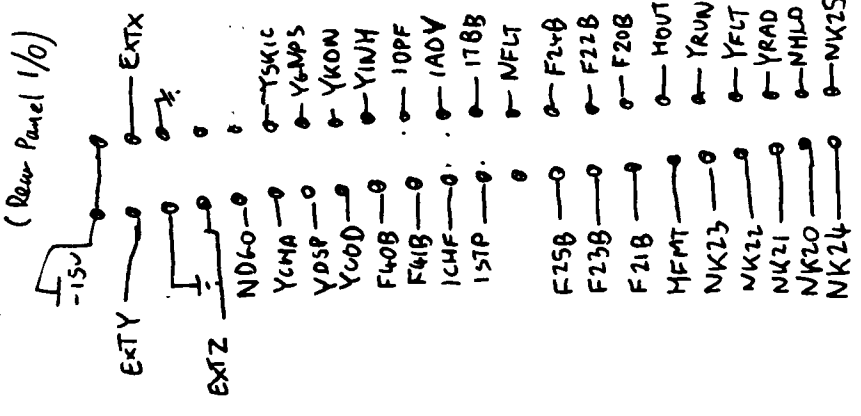
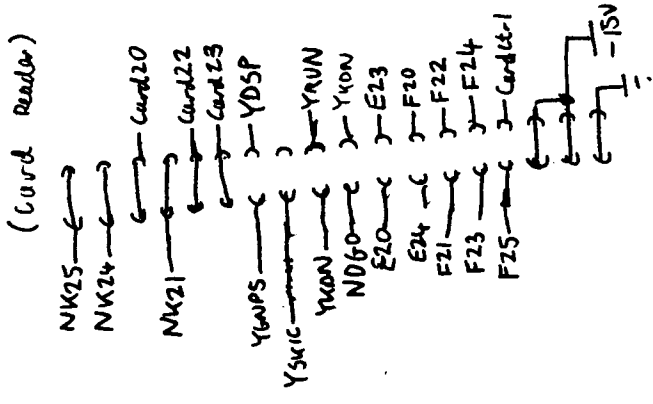
↖ LHS      ↗ Rear of machine

RH Flip Flop Connectors



↑ LHS

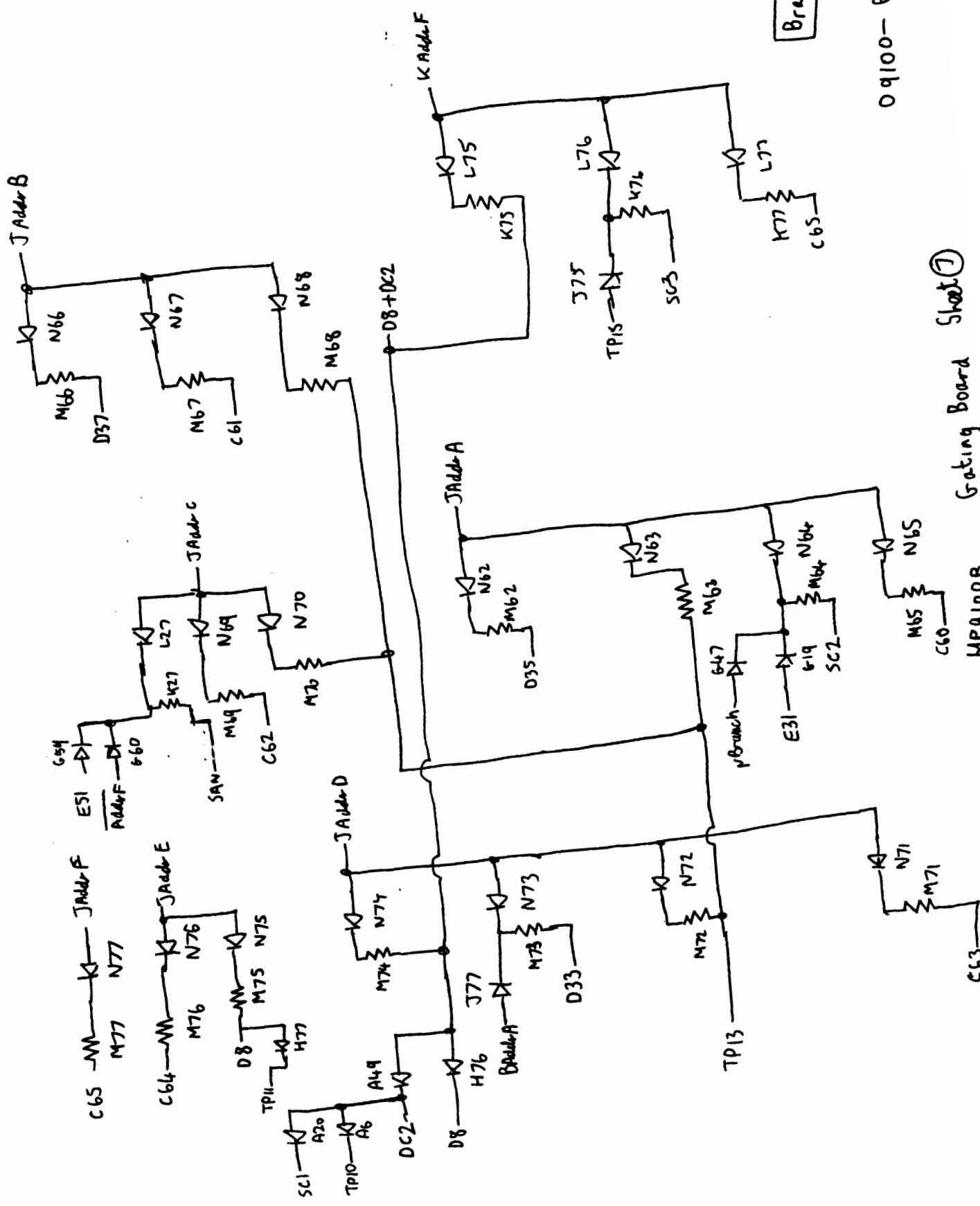
Rear of Machine →



↑ LHS

← Top

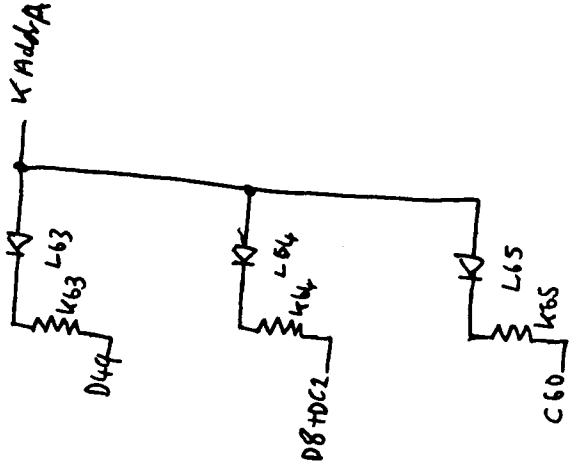
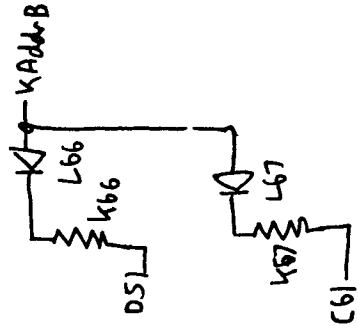
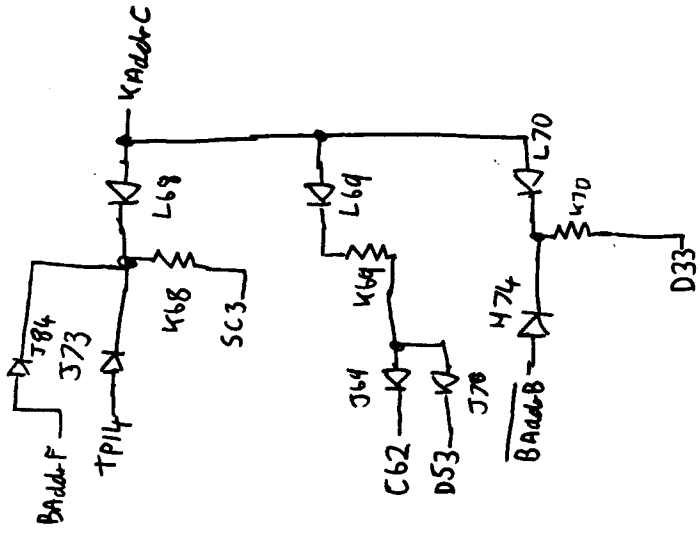
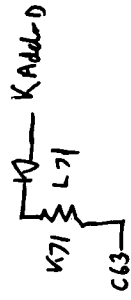
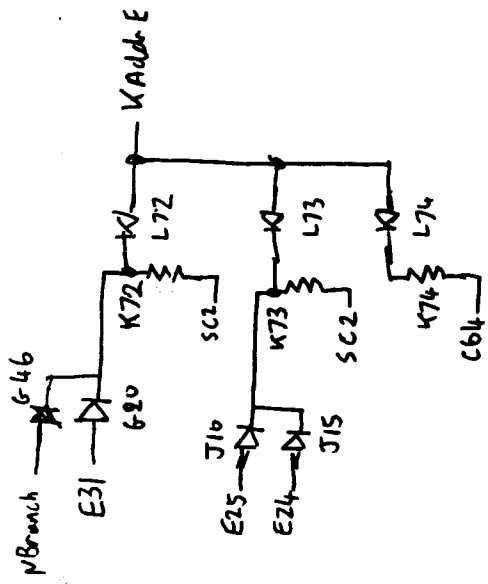
Peripheral Connectors



Braided ROM Address

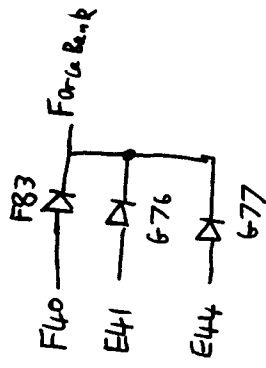
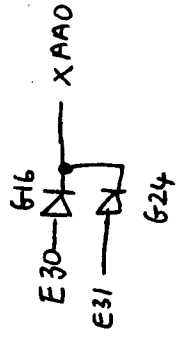
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MP9100B Gating Board Sheet 1

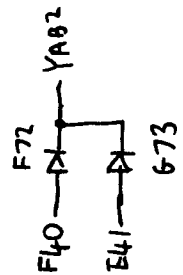
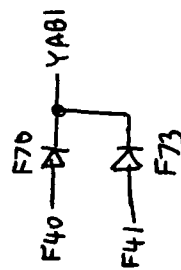
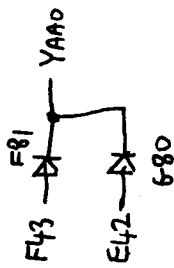
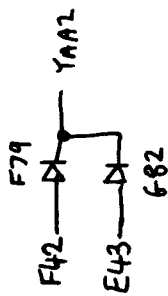
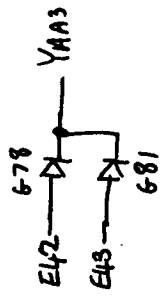
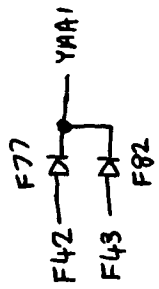
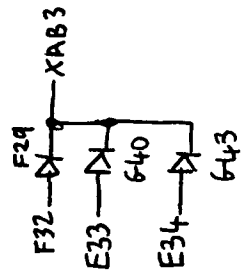
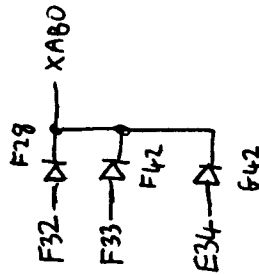
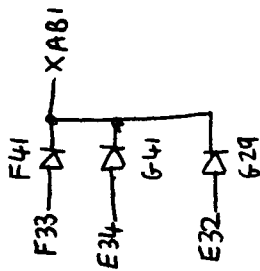
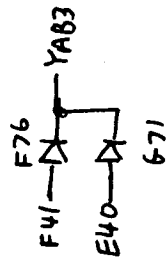
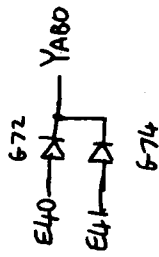
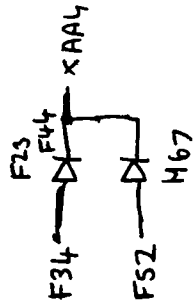
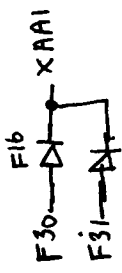
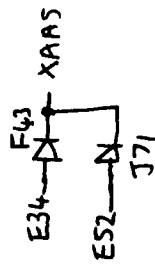
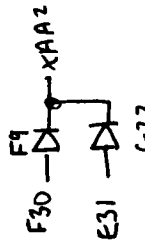
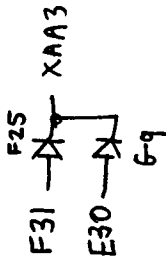
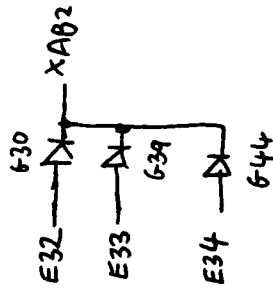


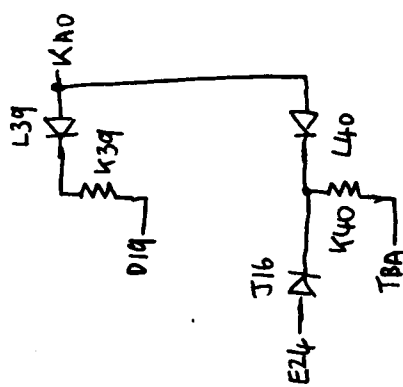
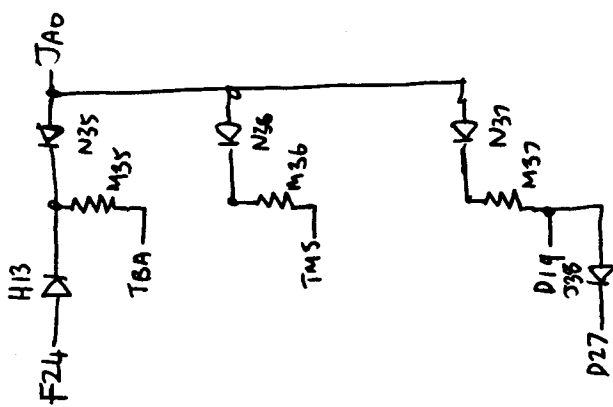
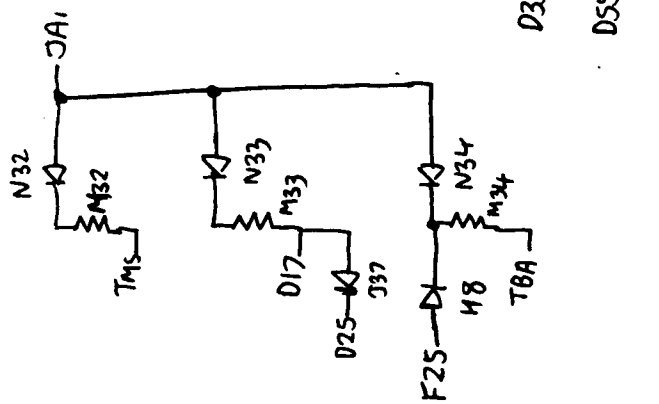
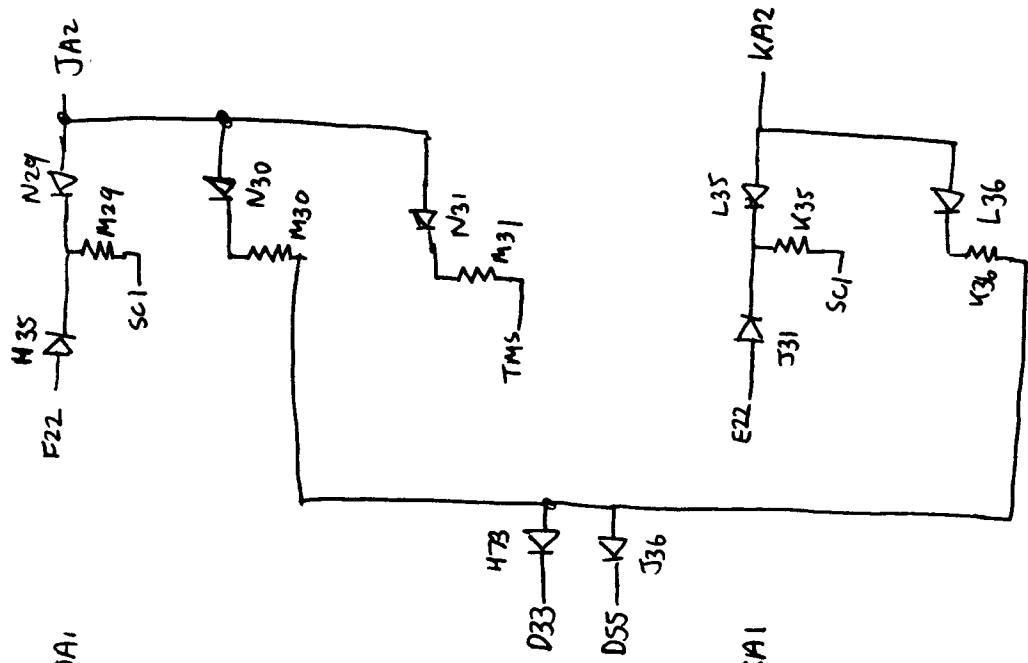
Bridged Rom Address



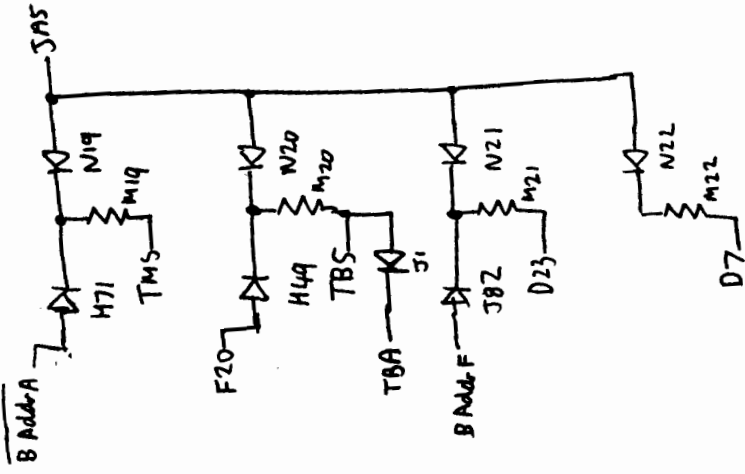


Core Address Decoder

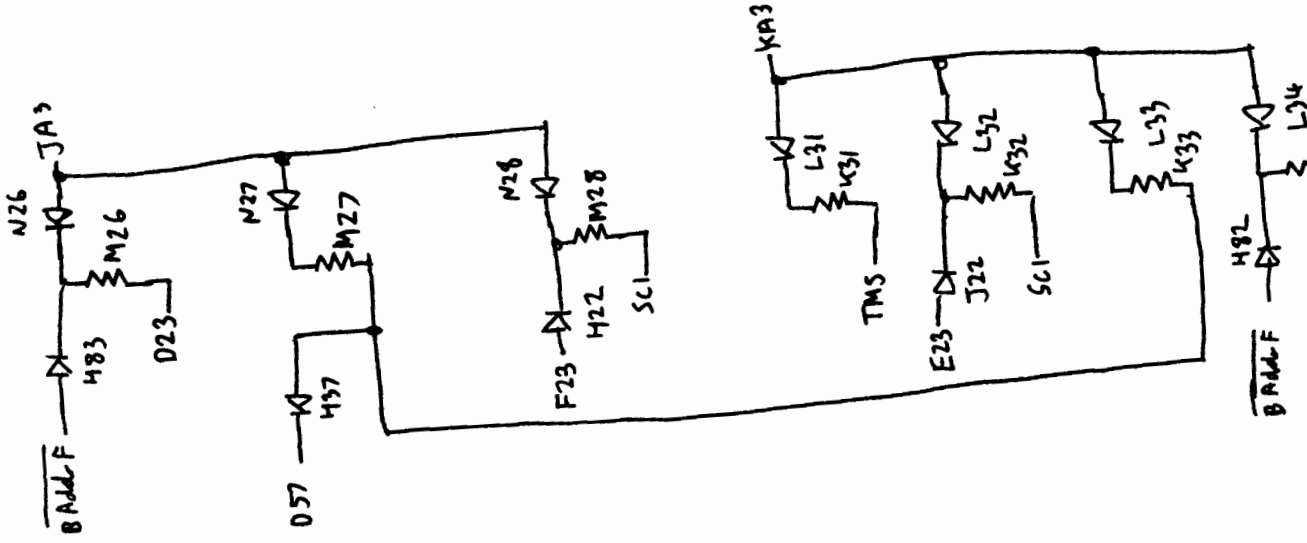
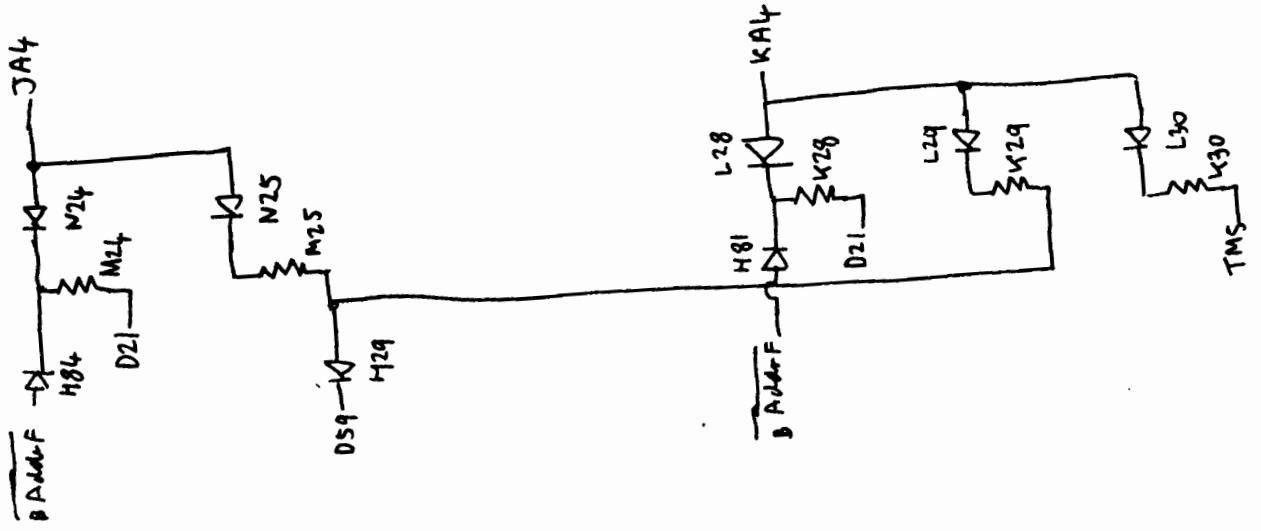




Program Sequencer

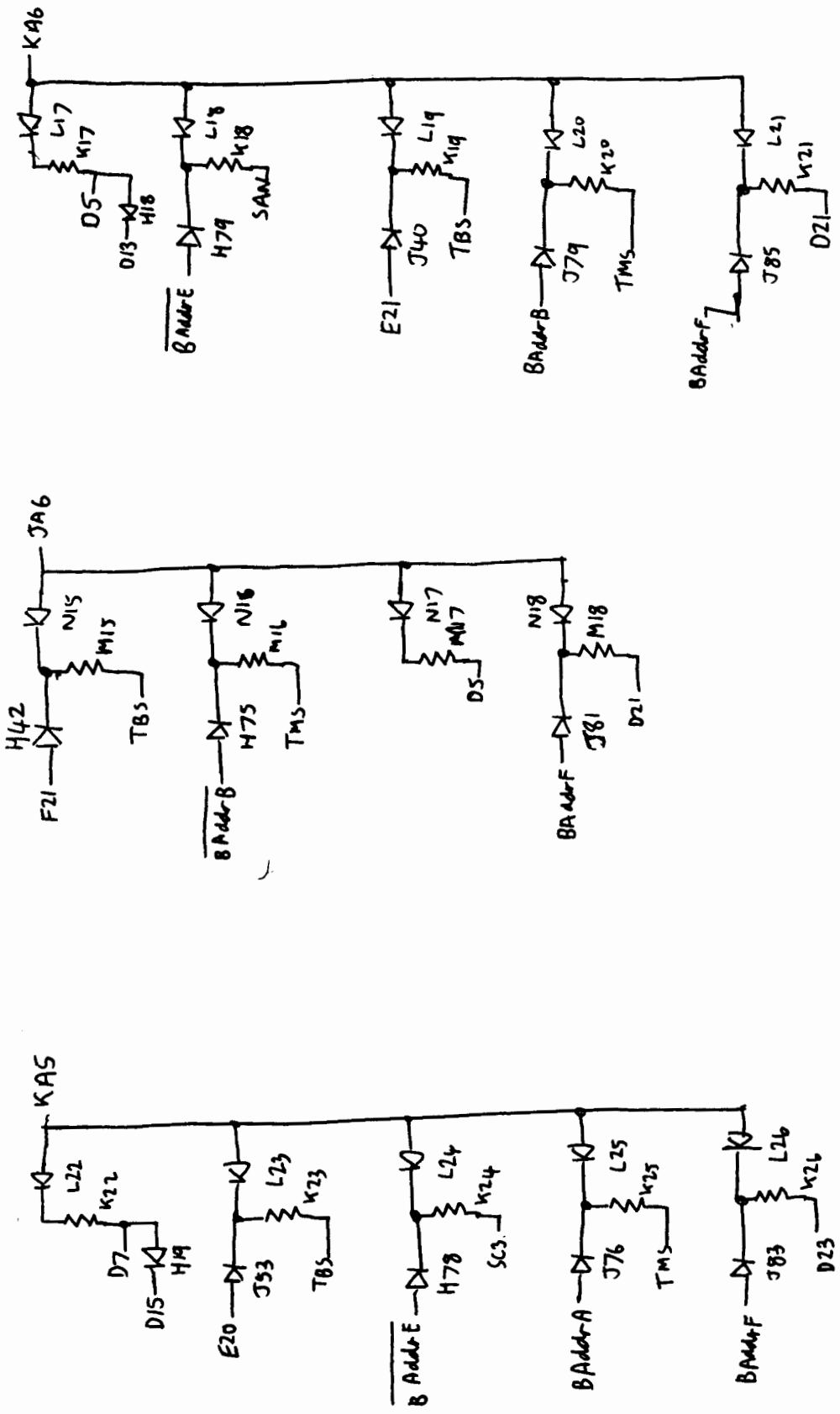


Program Sequencer

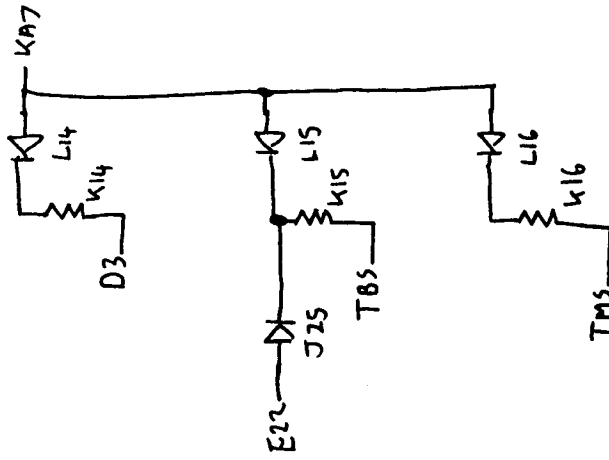
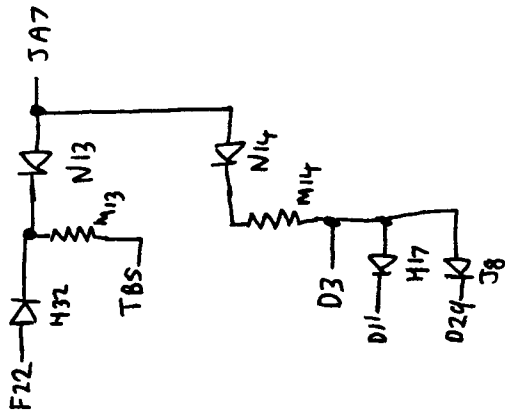
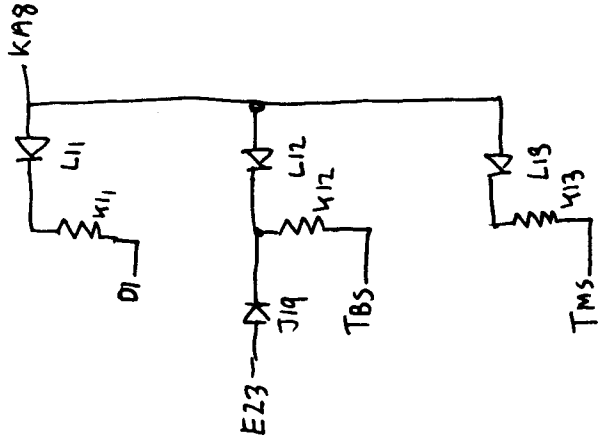
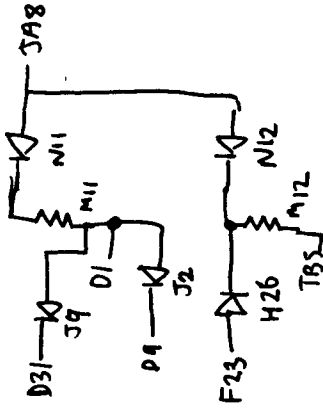
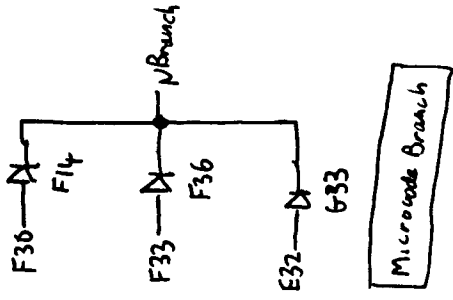


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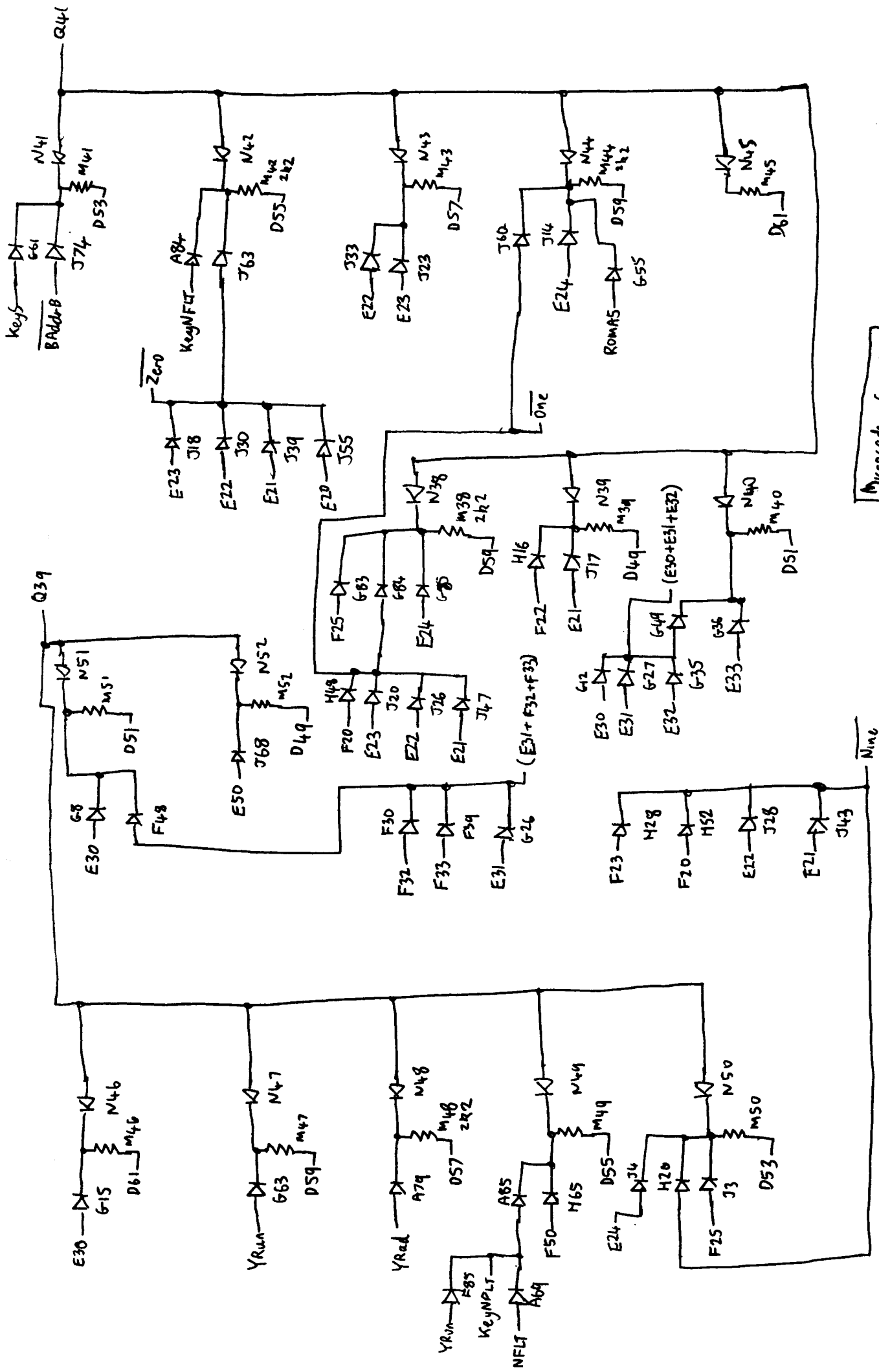
HP91008 Gating Board sheet (11)



Program Sequencer



Program Sequencer



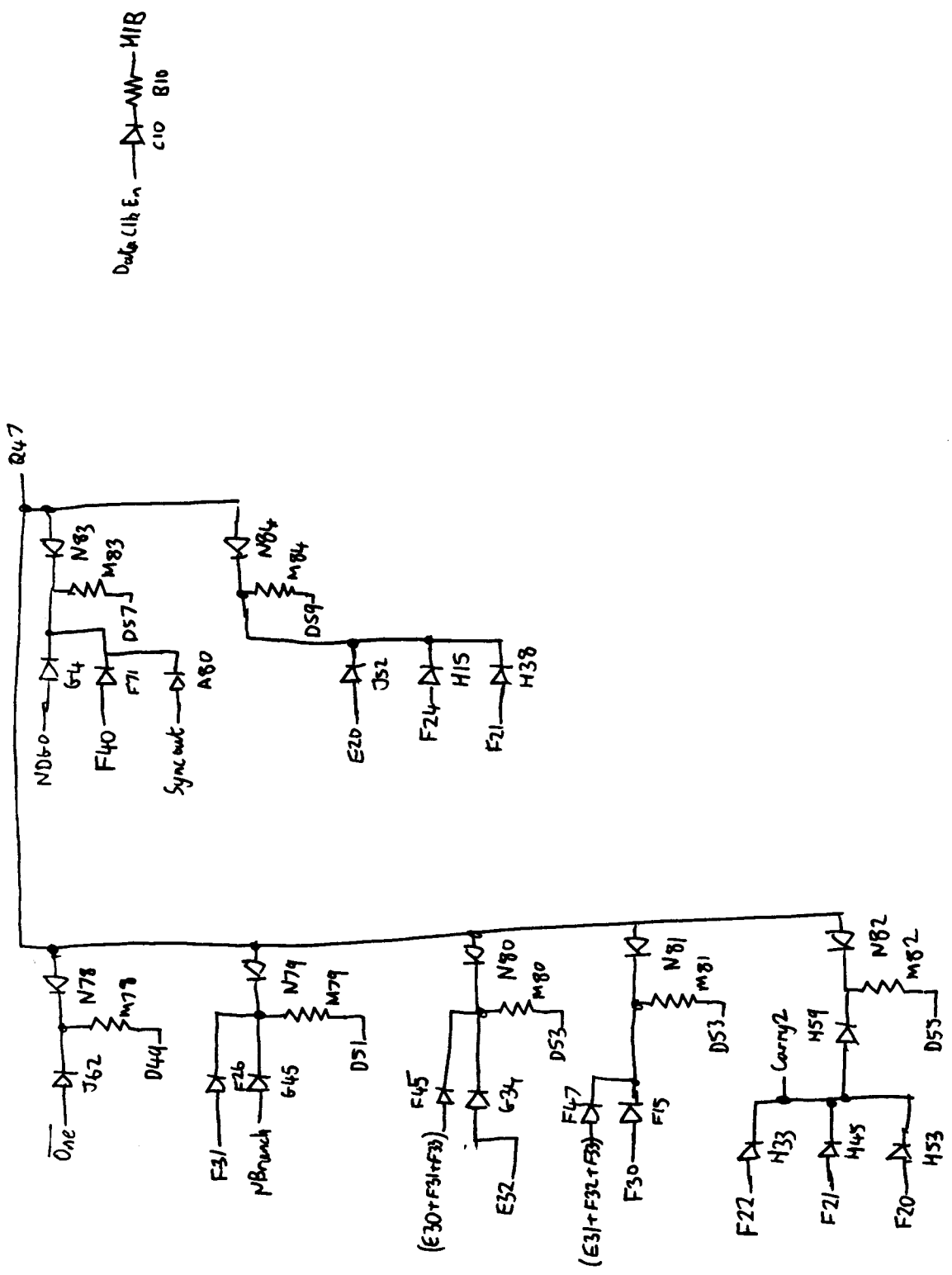
Microcode Condition

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Gateing Board Sheet (14)

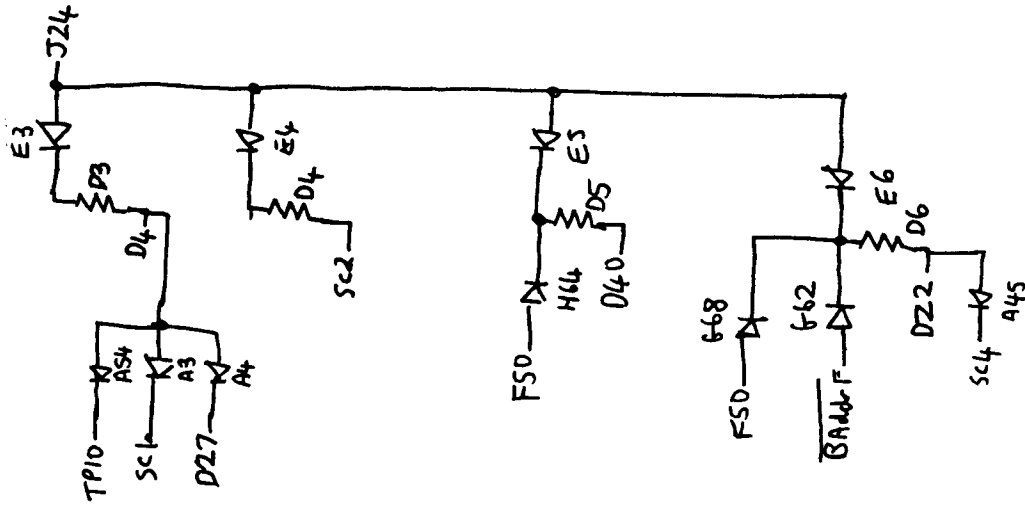
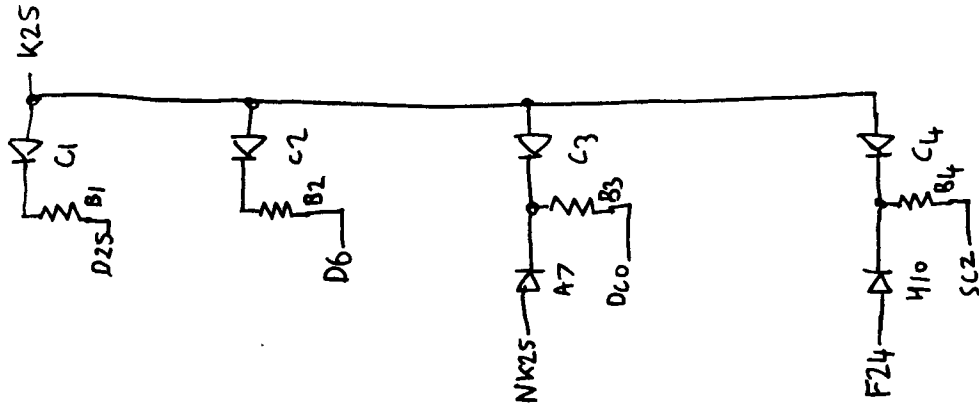
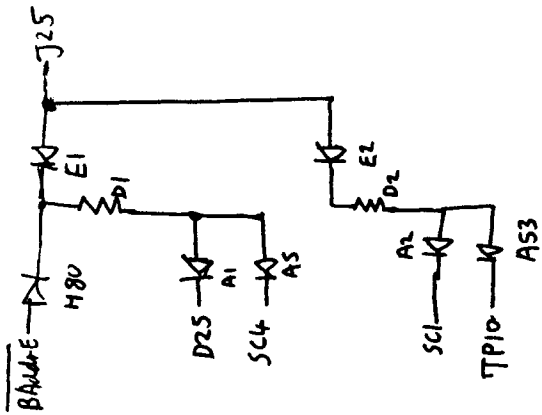
MP91008



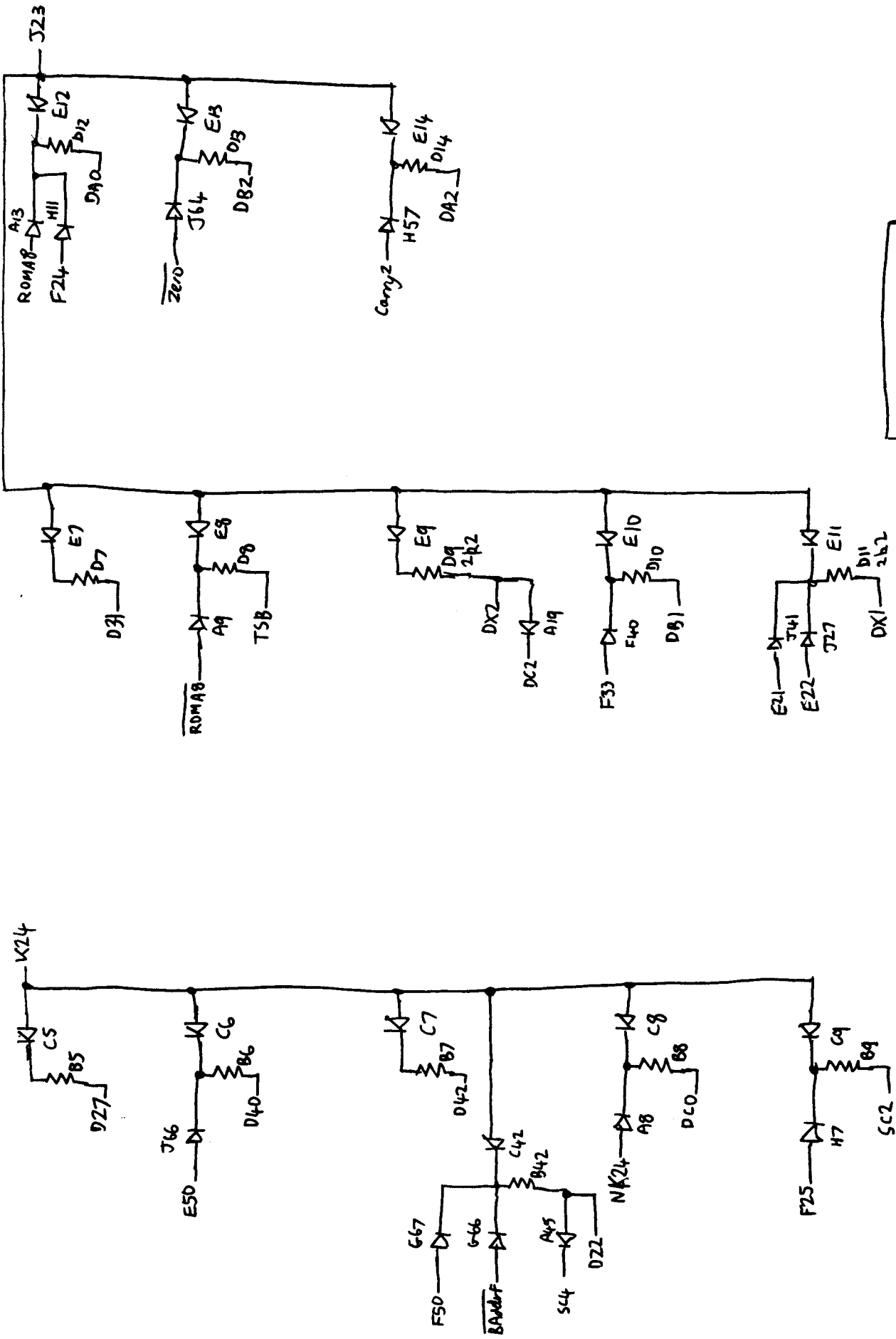


Microcode Condition

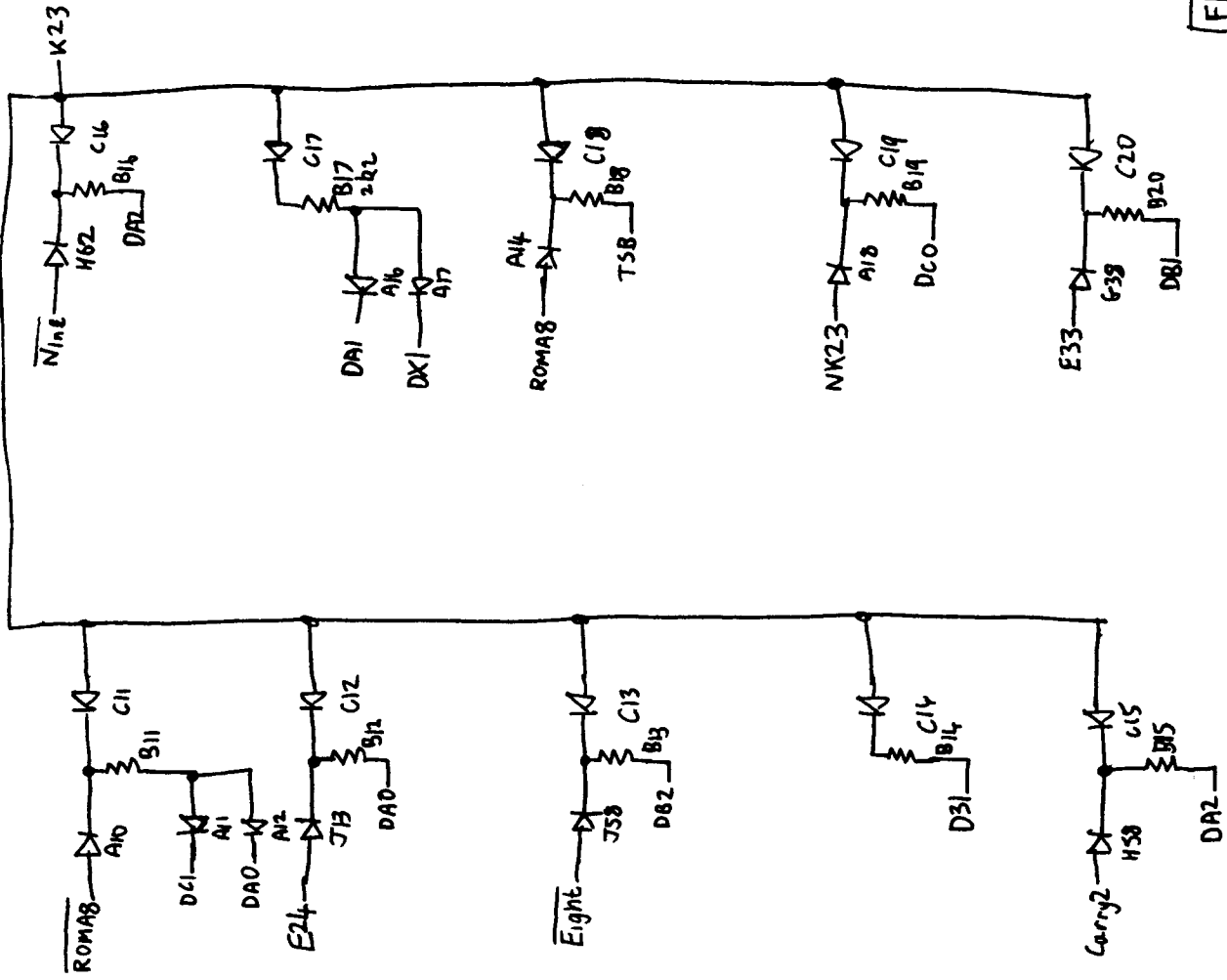




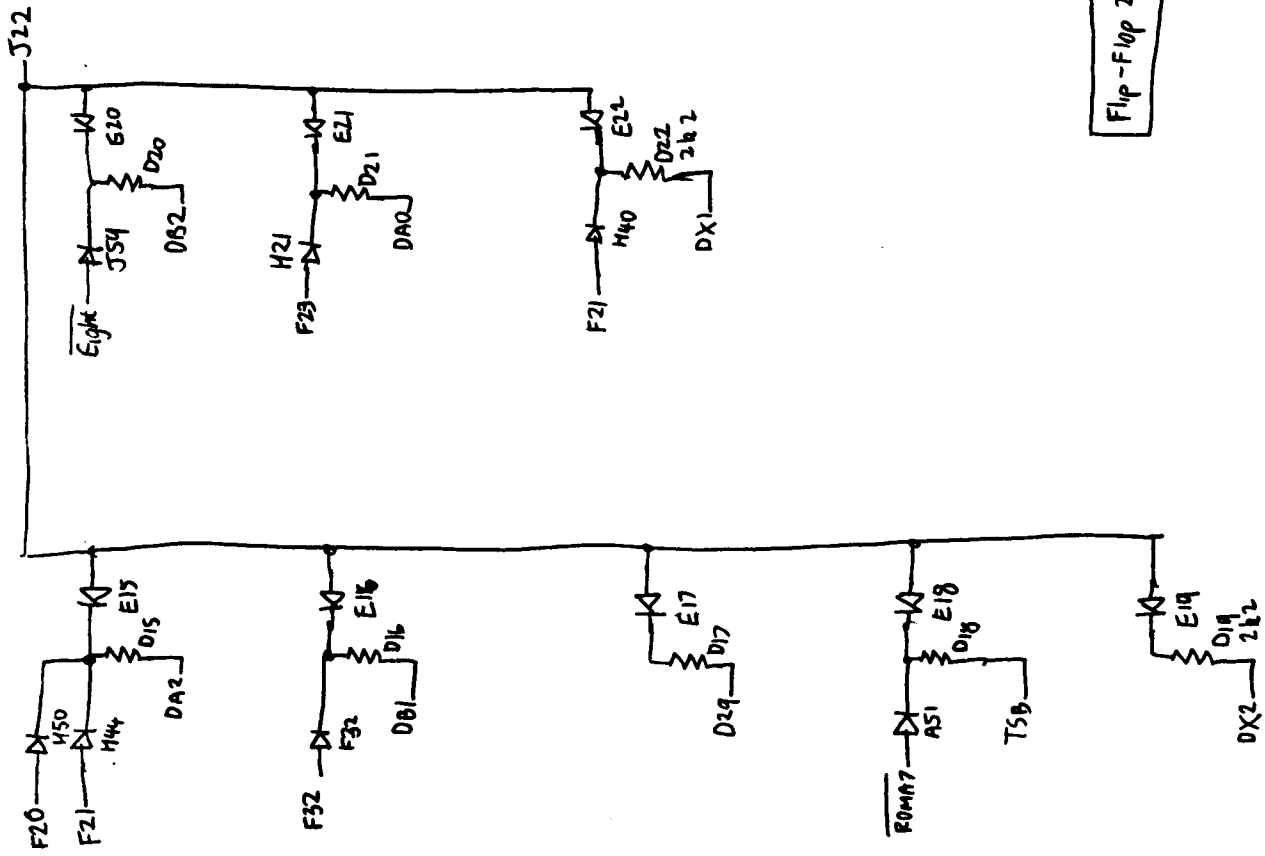
Flip-Flop 24,25 Input



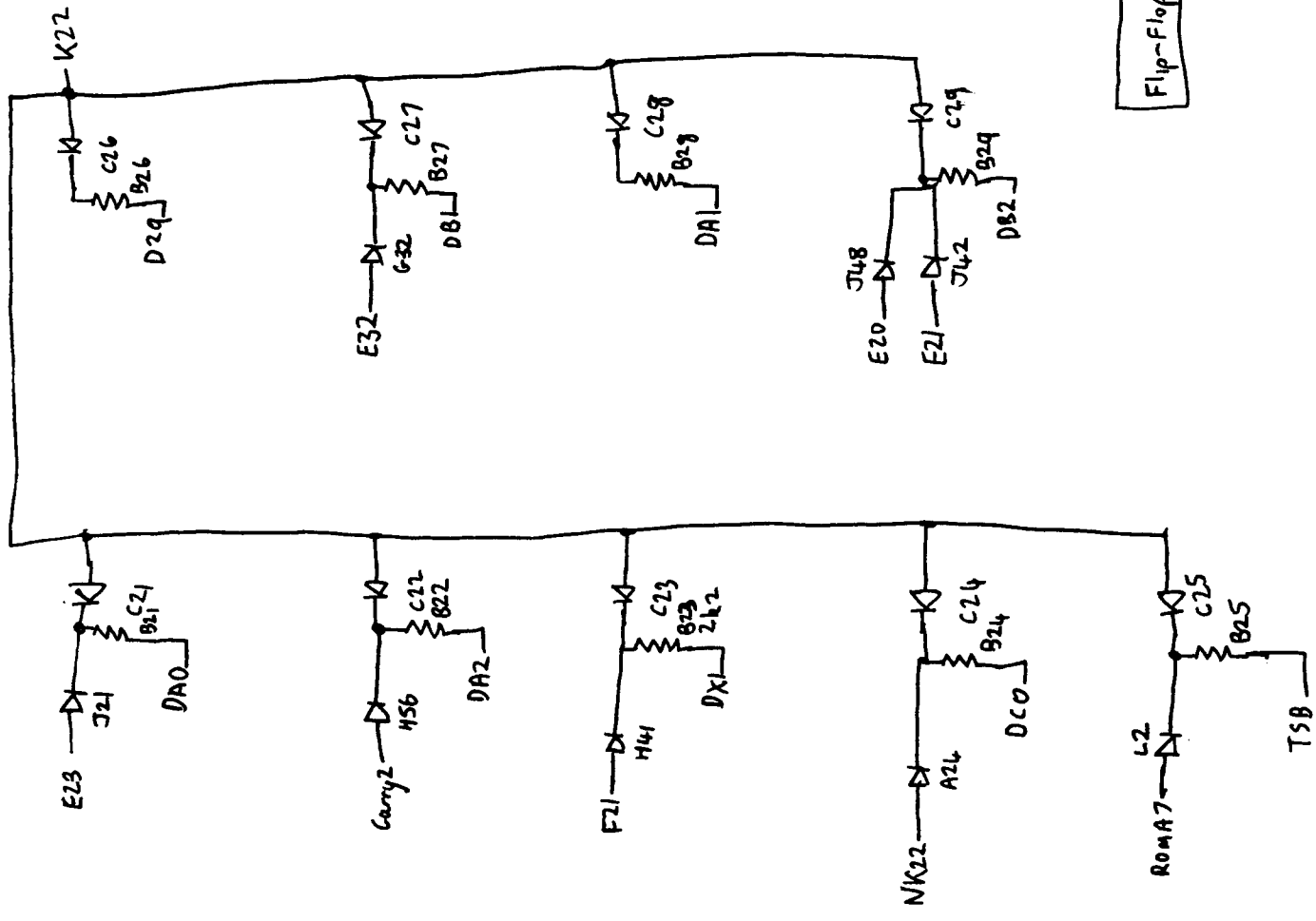
Flip-Flop 23, 24 Input



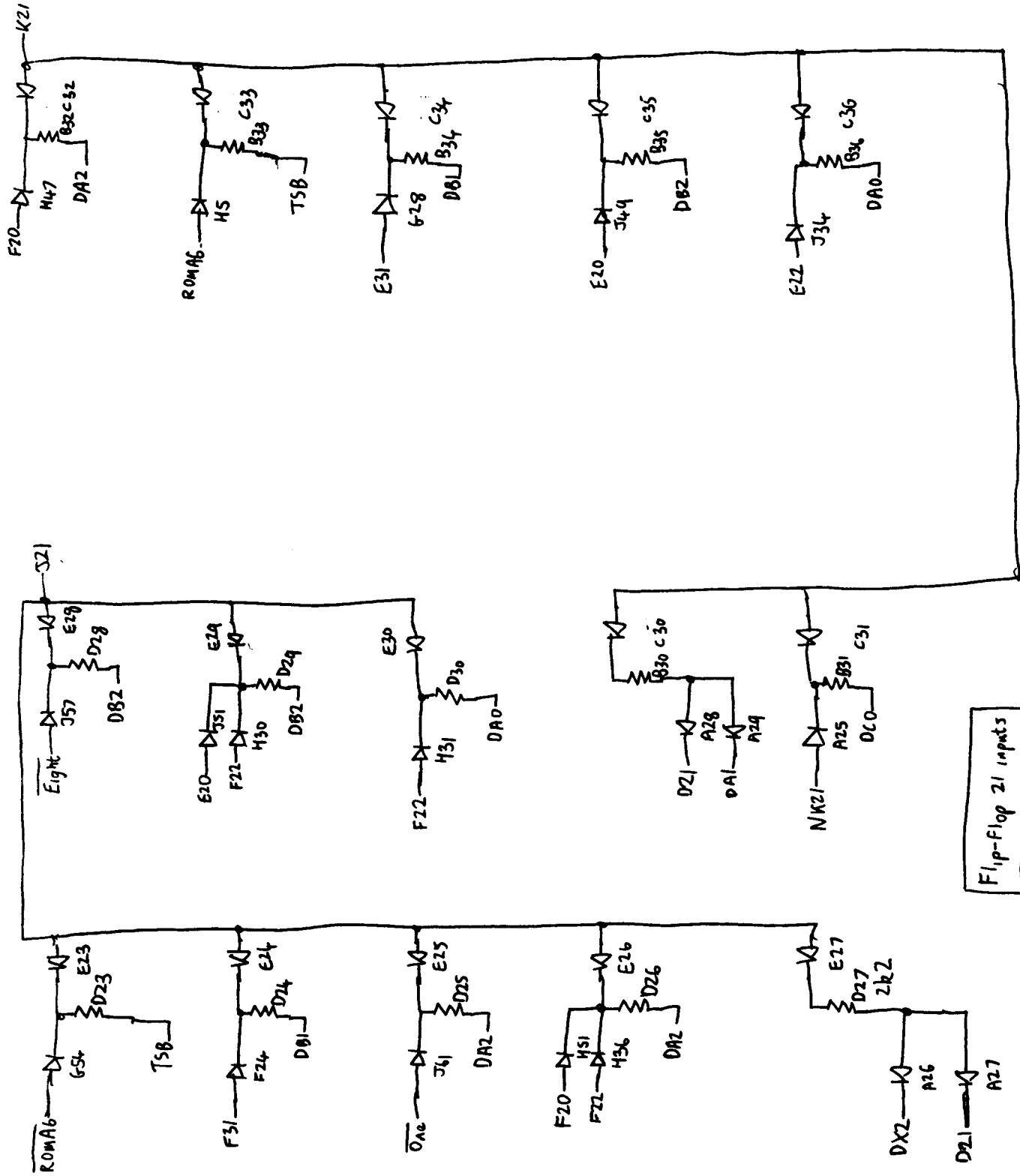
Flip-Flop 23 K input



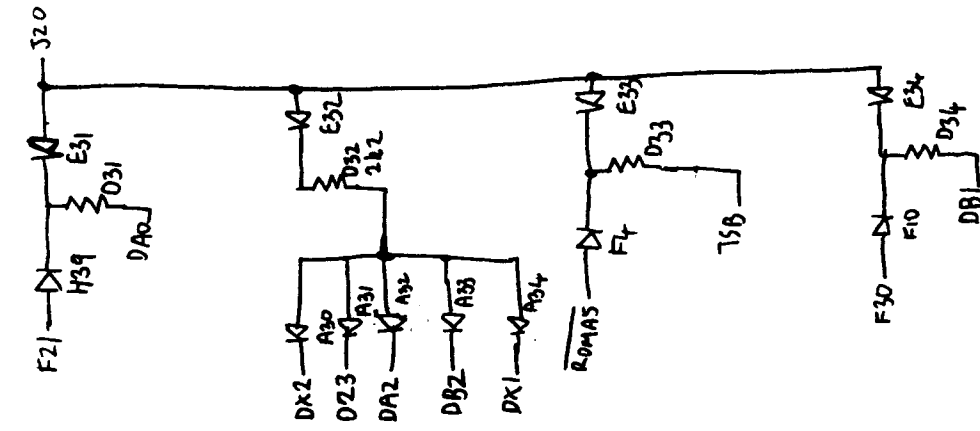
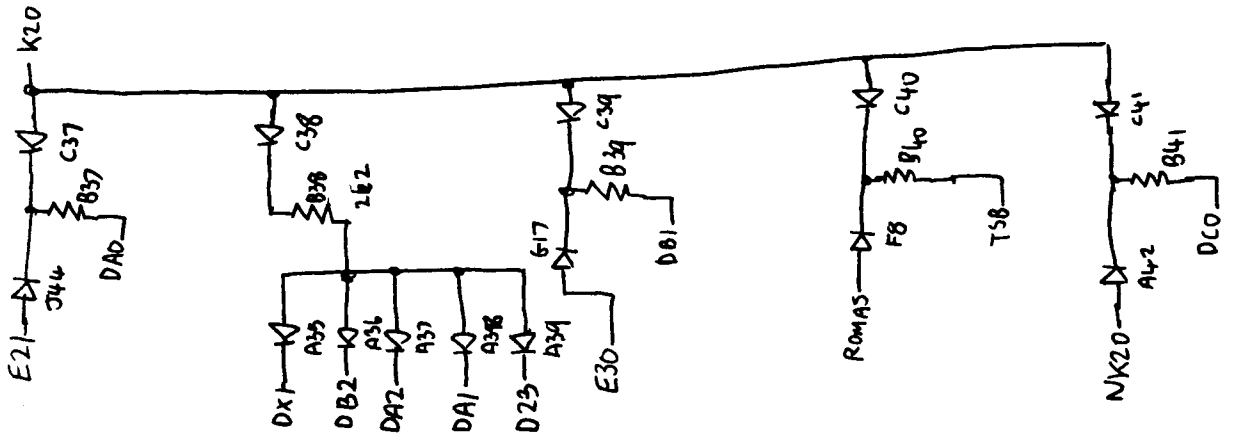
Flip-Flop 22 J input



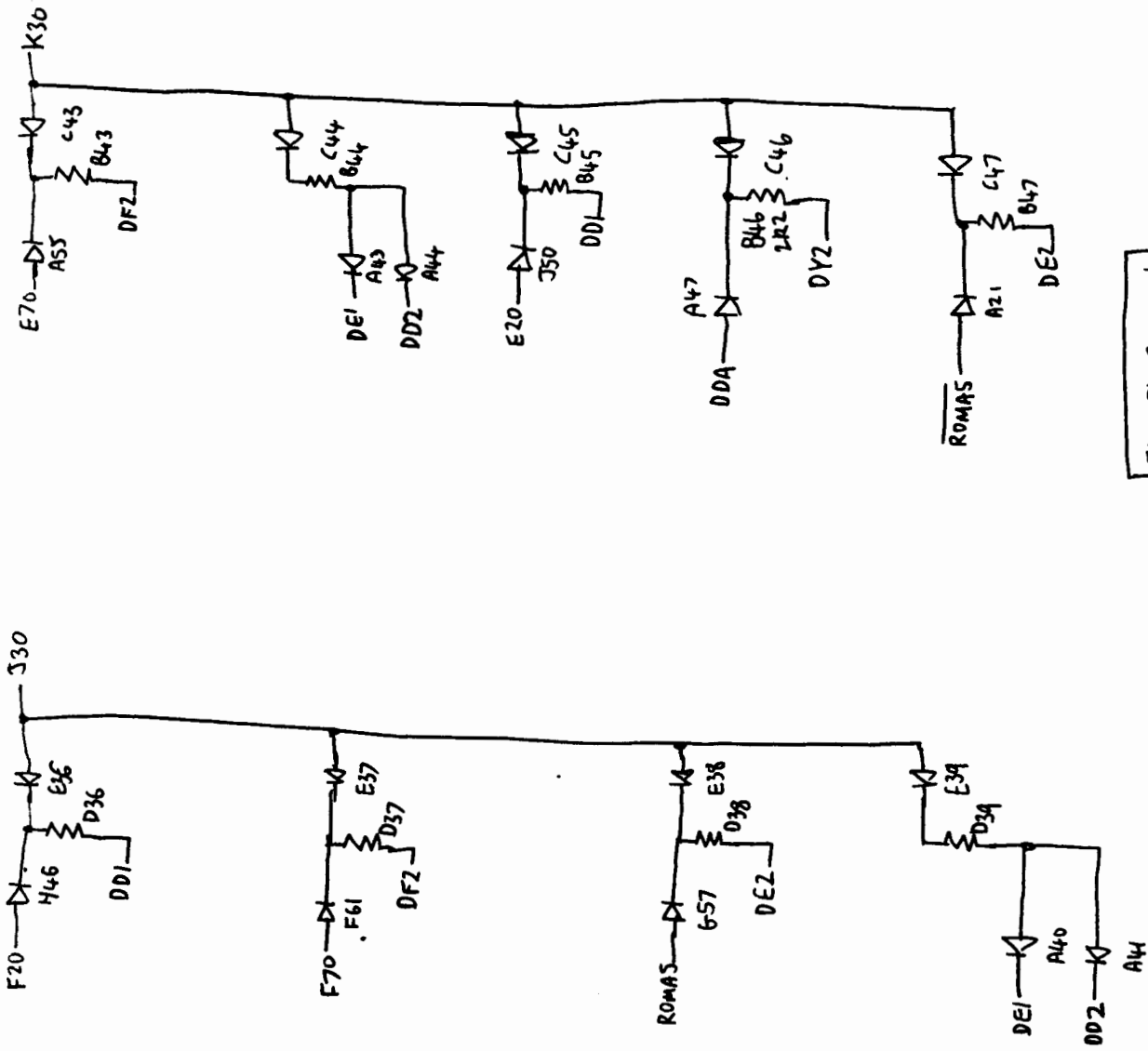
Flip-Flop 22 Kinput



Flip-Flop 21 inputs

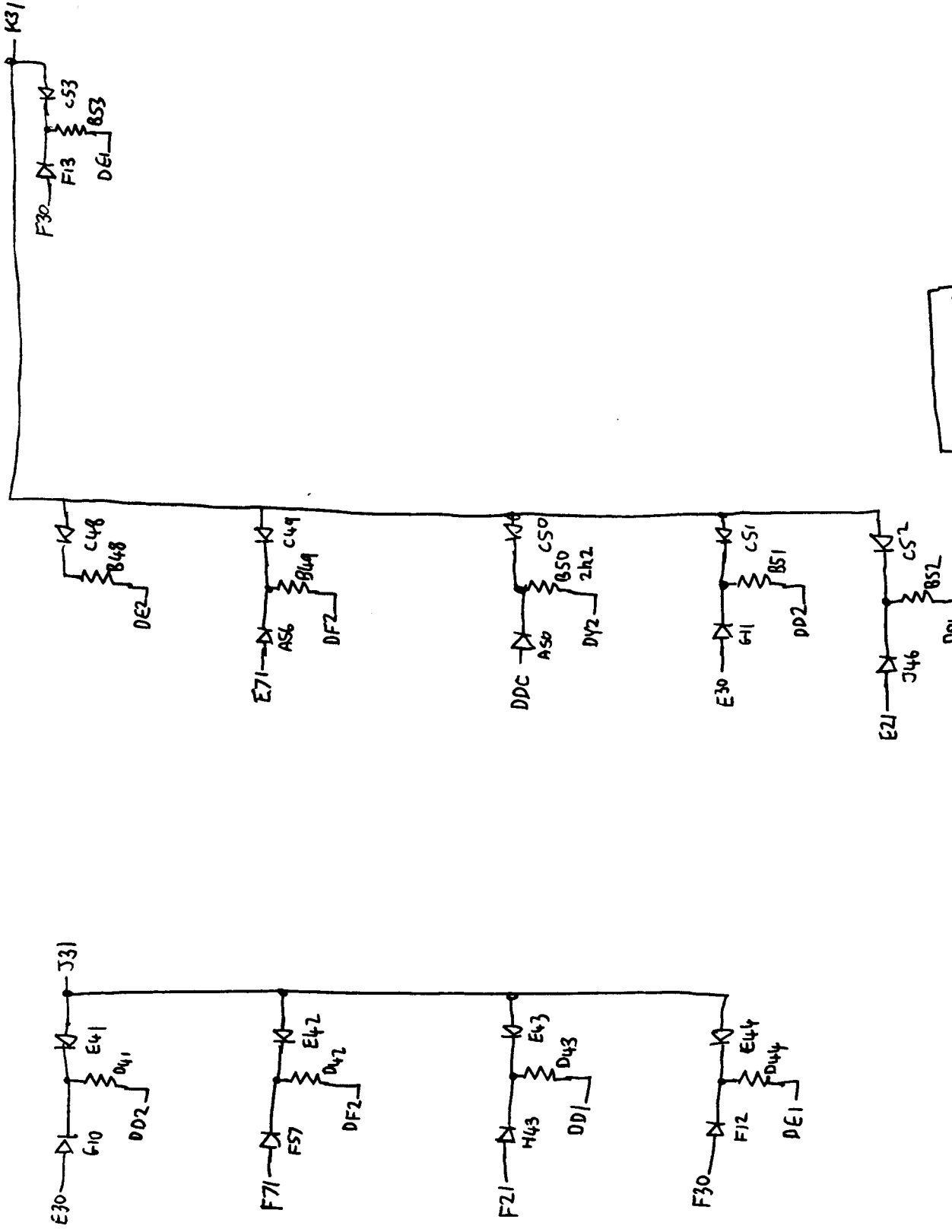


Flip-Flop 2.0 Input

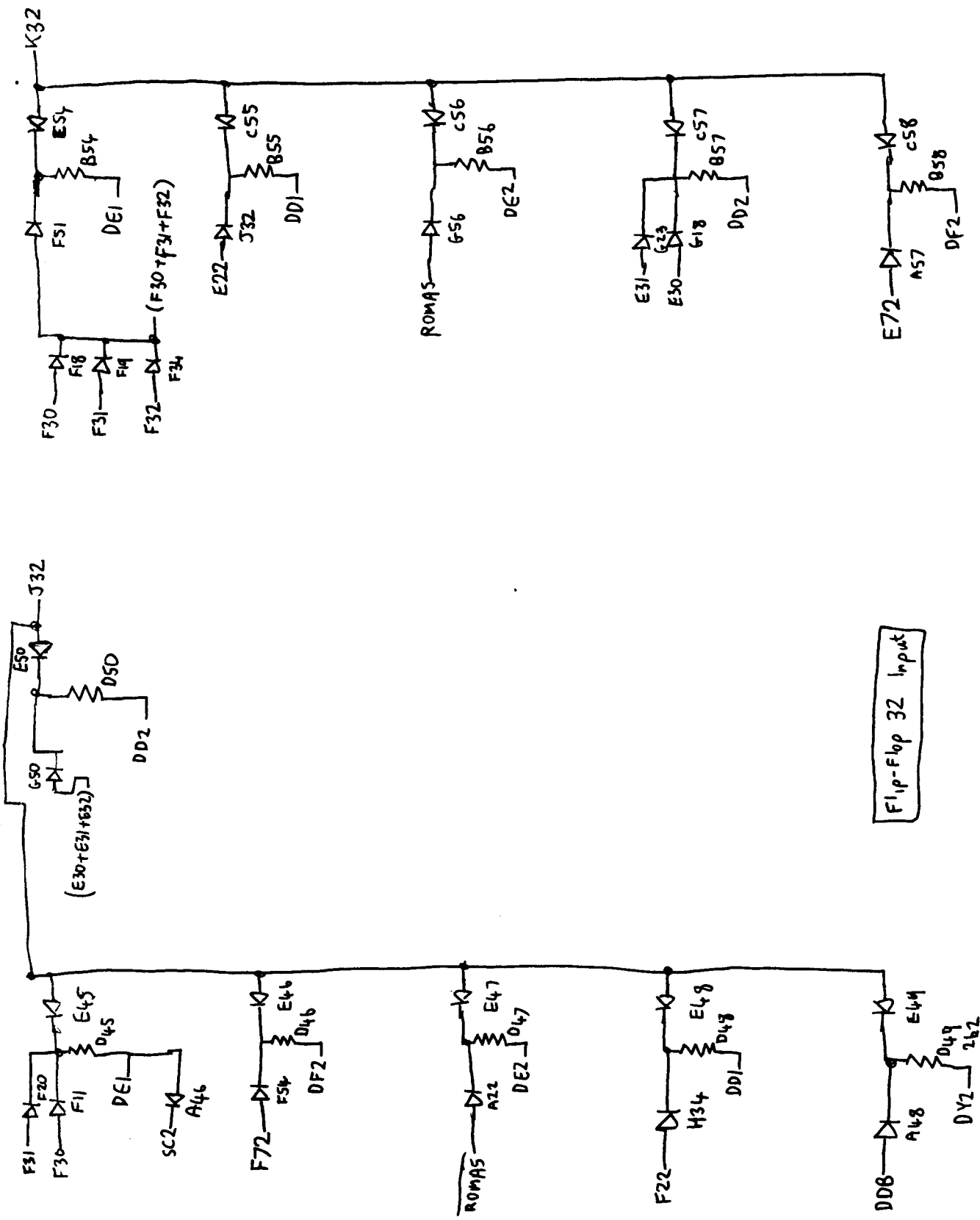


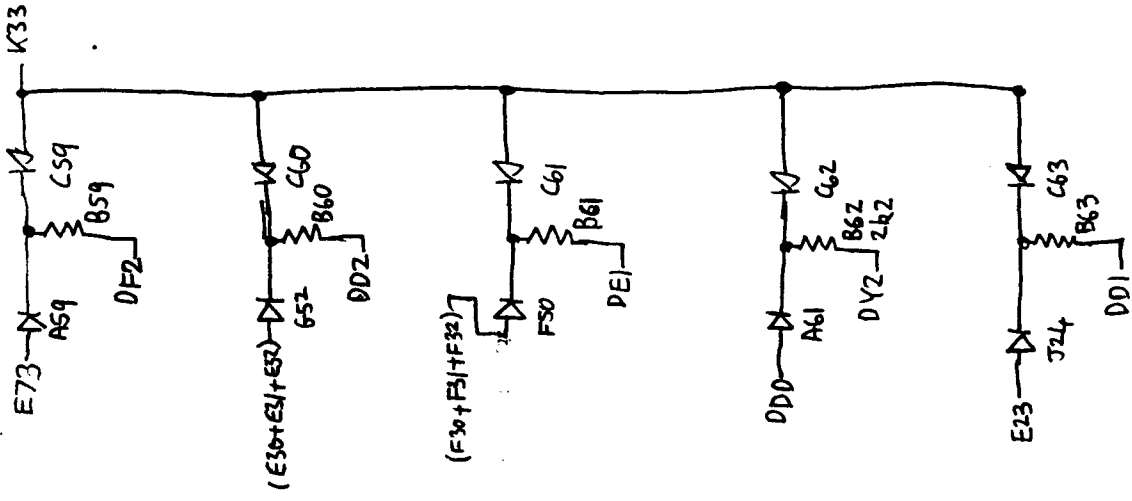
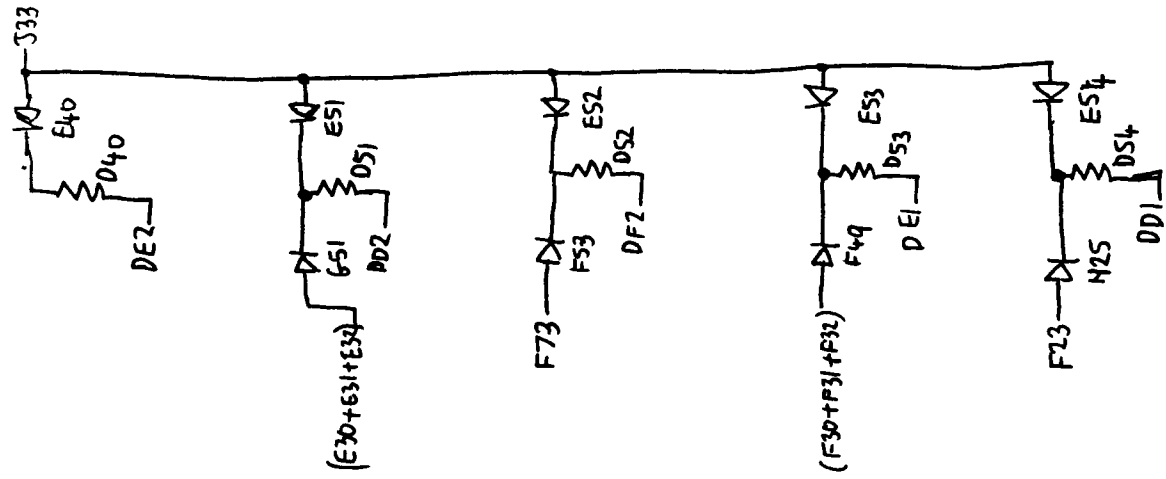
Flip-Flop 30 Input



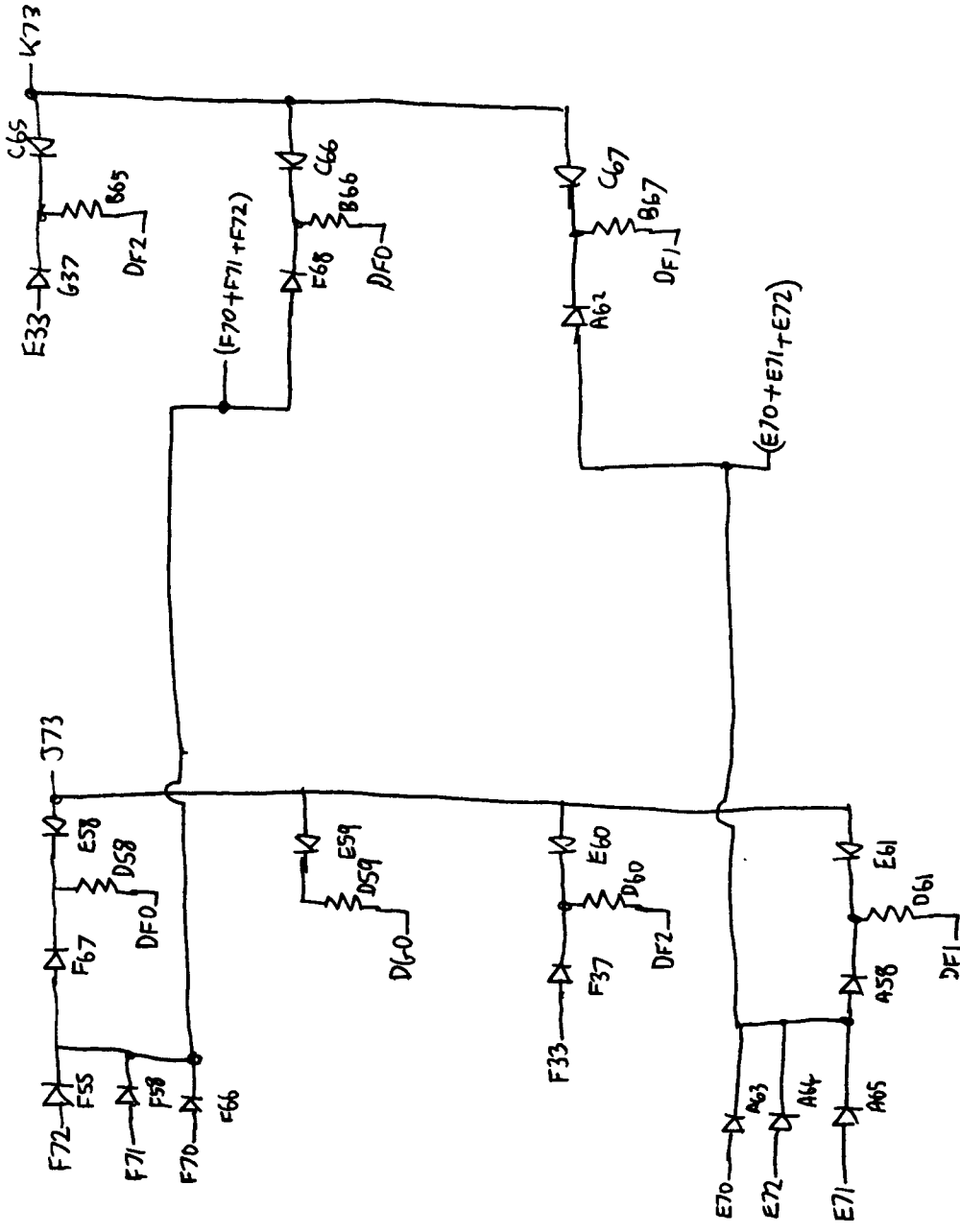
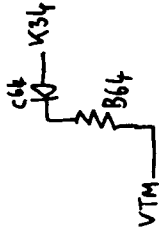
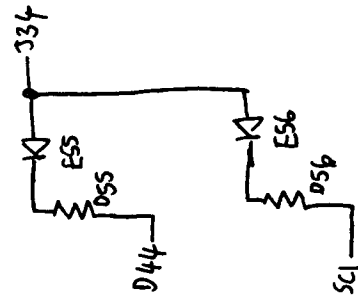


Flip-Flop 31 input



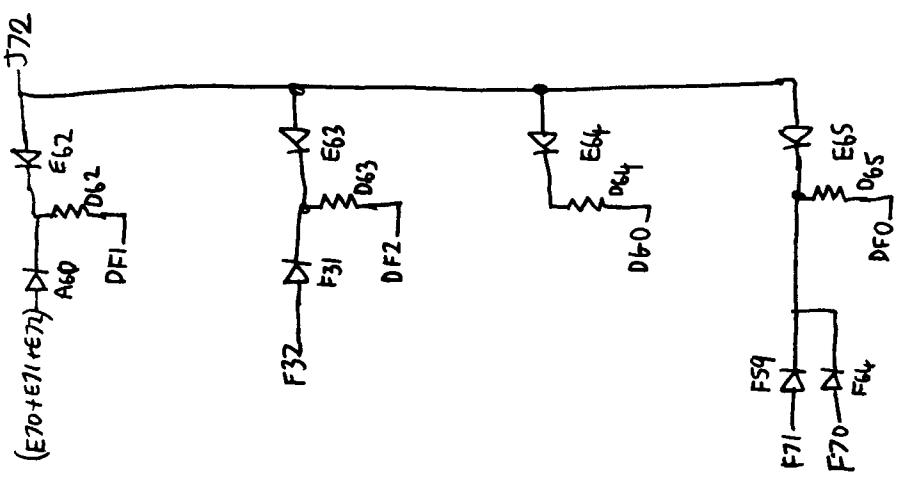
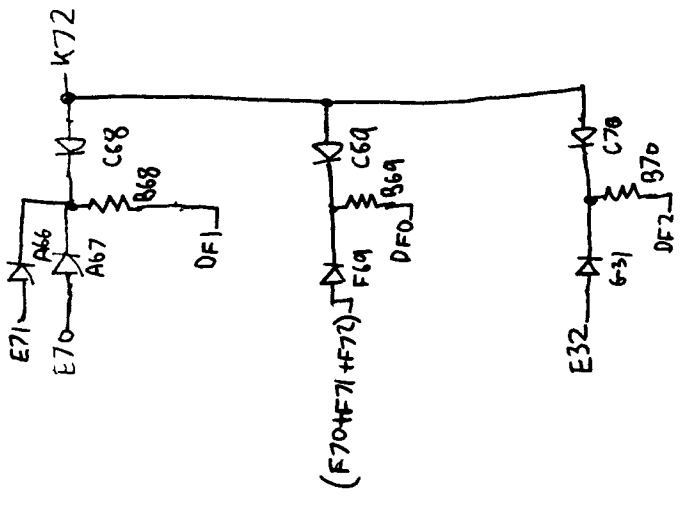
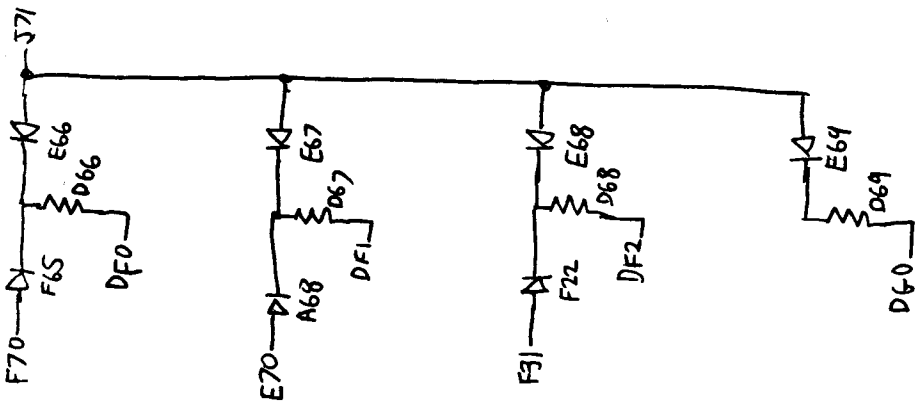


Flip-Flop 33 Input

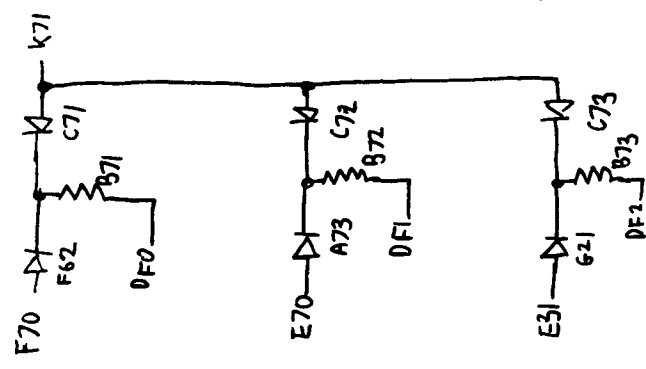
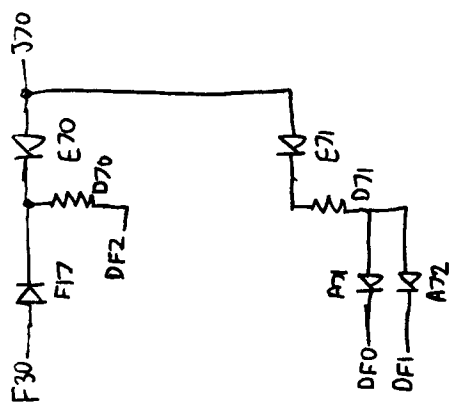
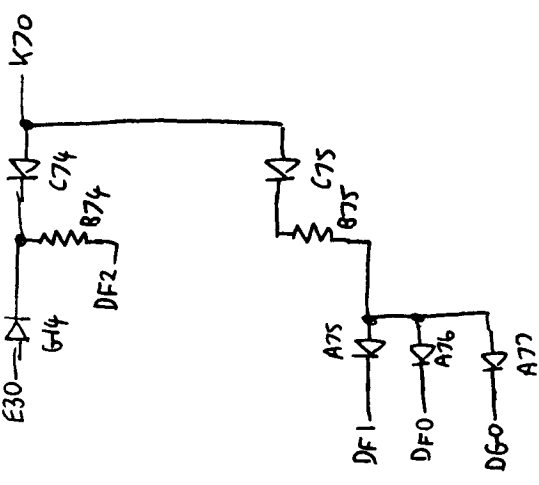


Flip-Flop 73 Input

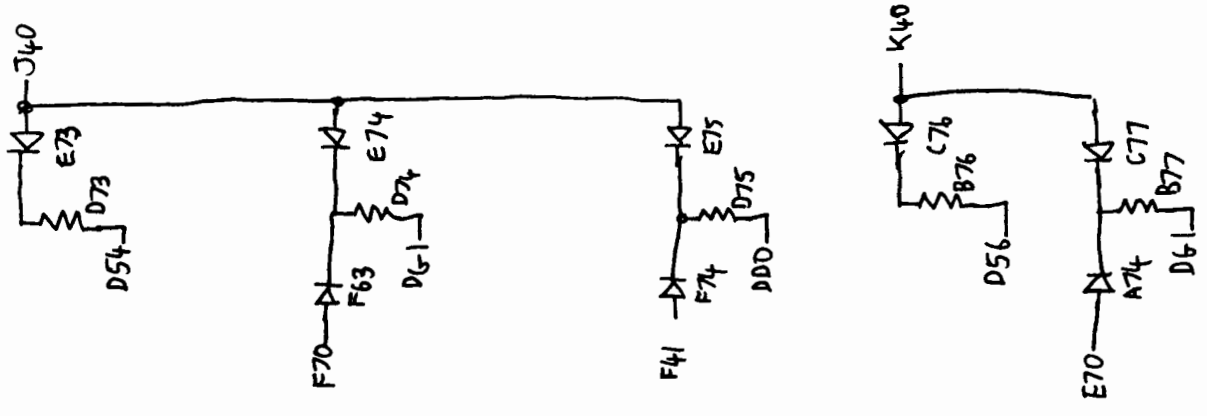
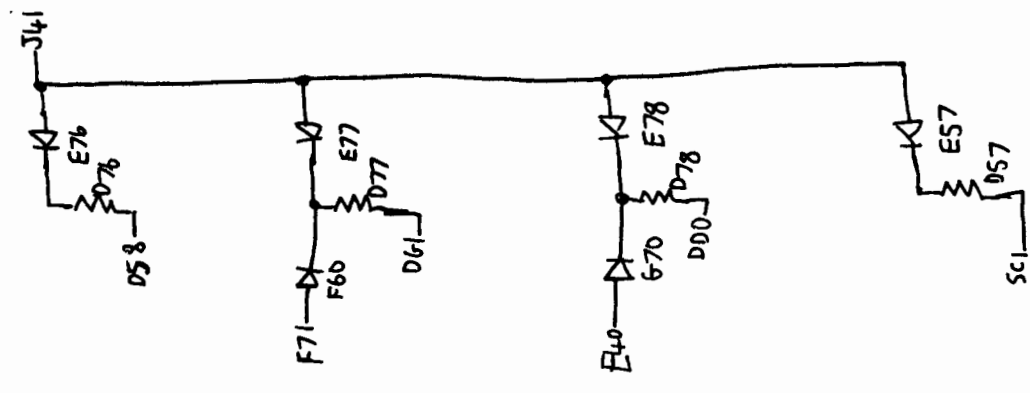
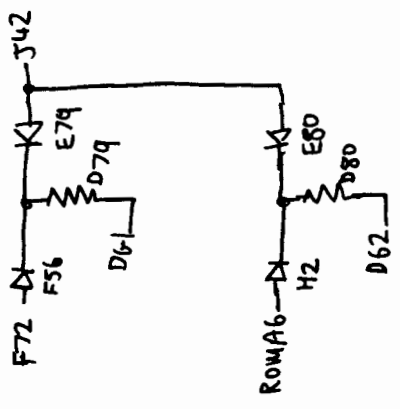
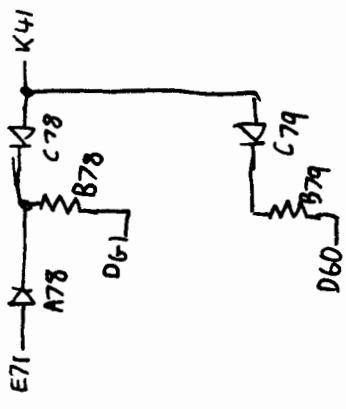
Flip-Flop 34 Input



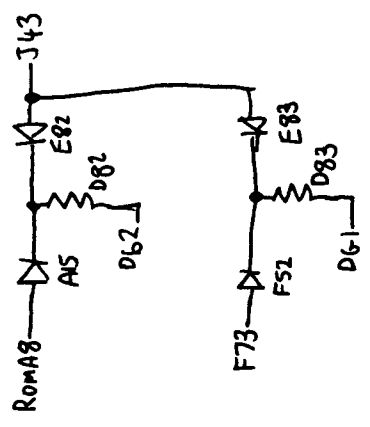
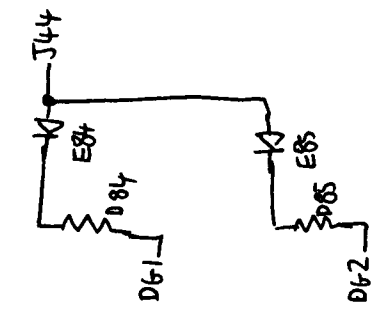
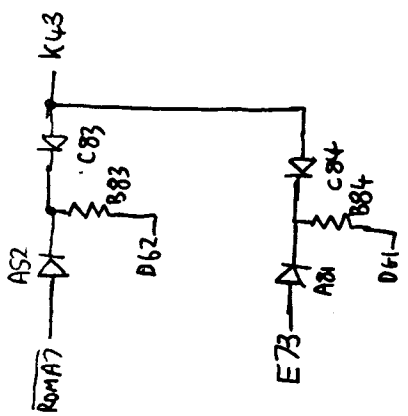
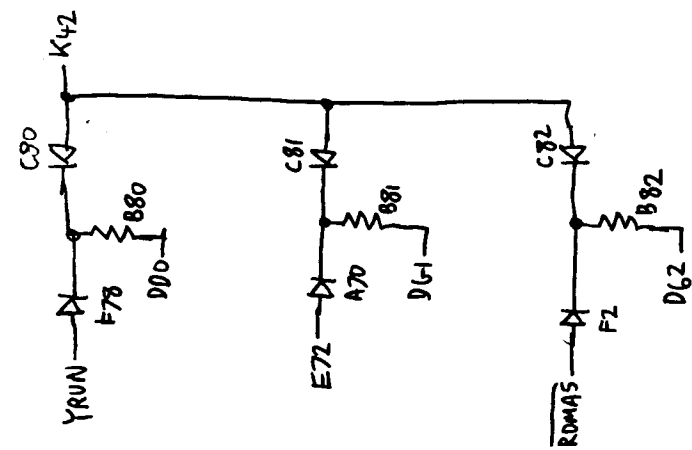
Flip-Flop 71, 72 Input



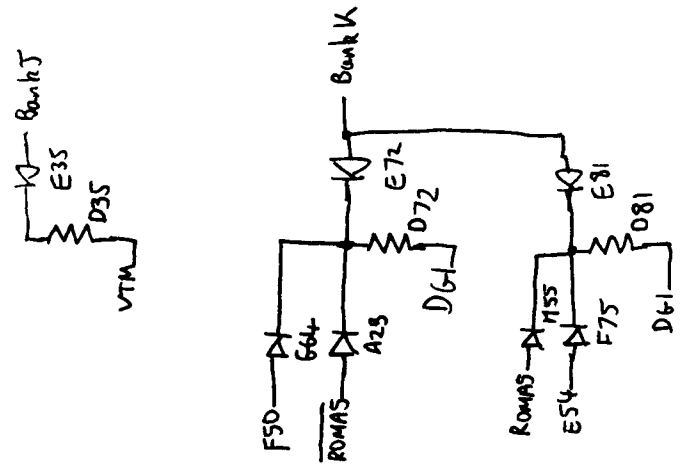
Flip-Flop 70, 71 Input



Flip-Flop 40, 41, 42 Input

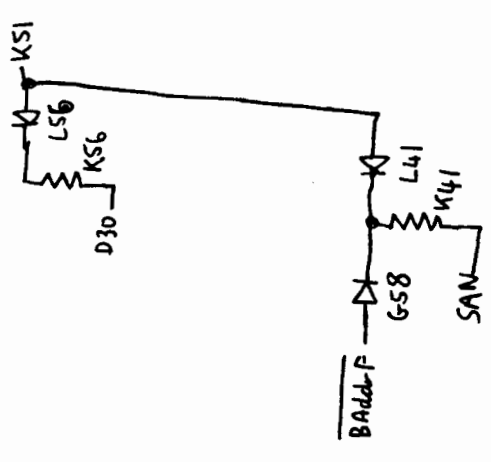
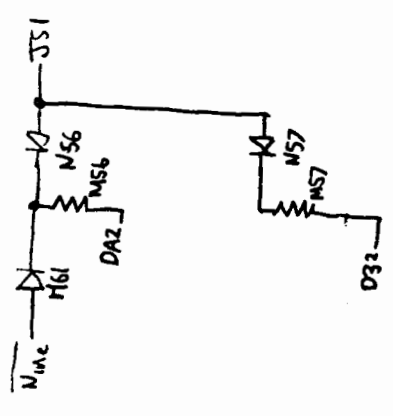
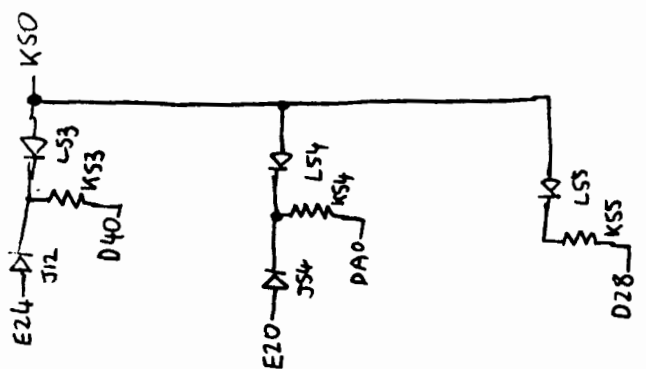
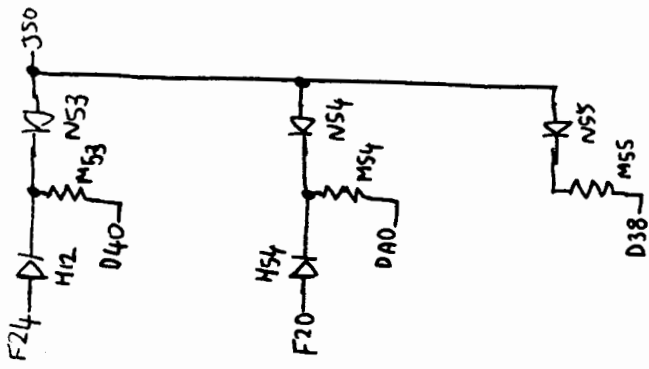


Flip-Flop 42, 43, 44 Input

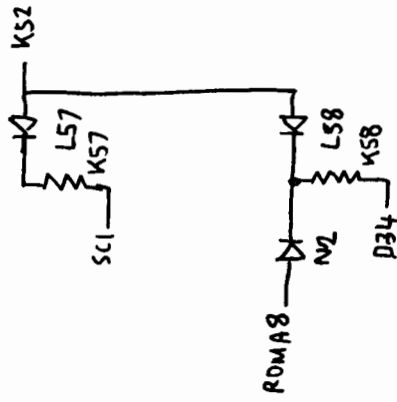
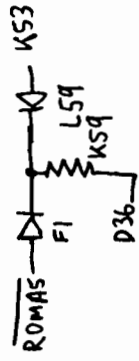
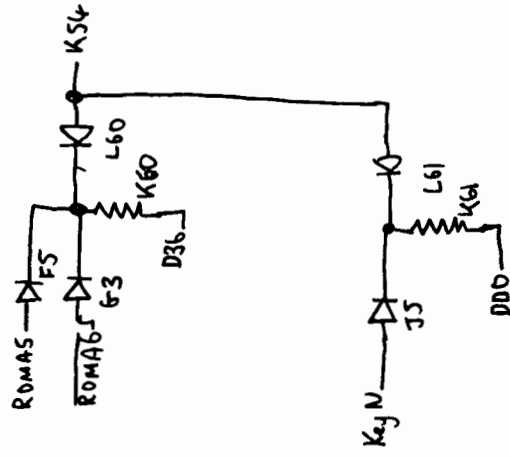
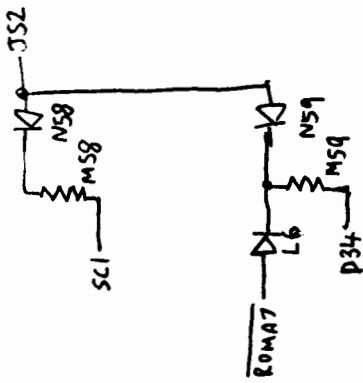
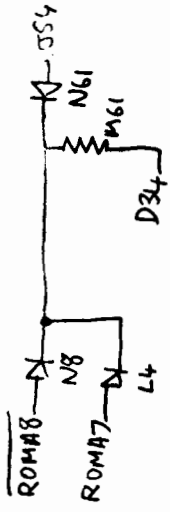


Bank Select

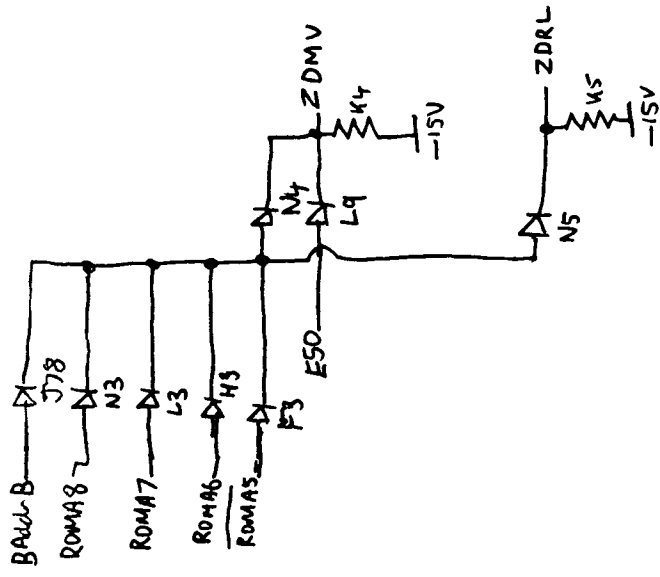
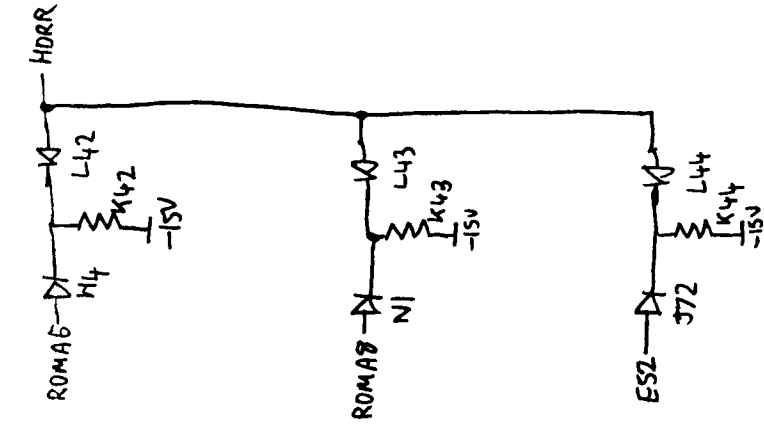
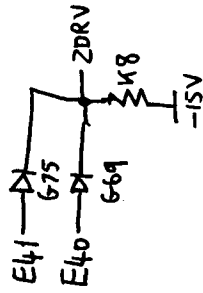
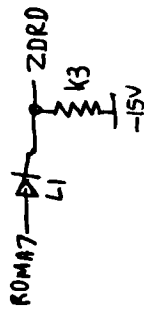
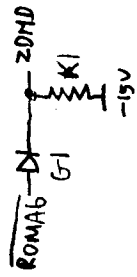




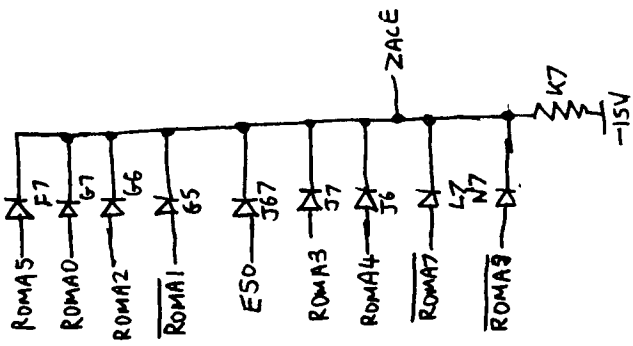
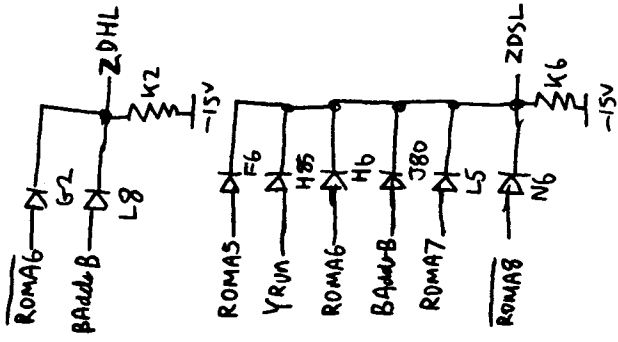
Flip-Flop 50, 51 Input



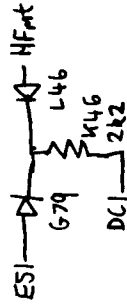
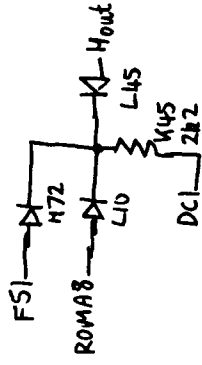
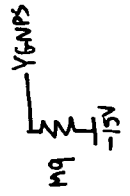
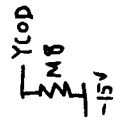
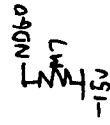
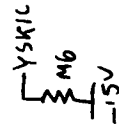
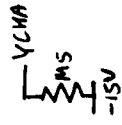
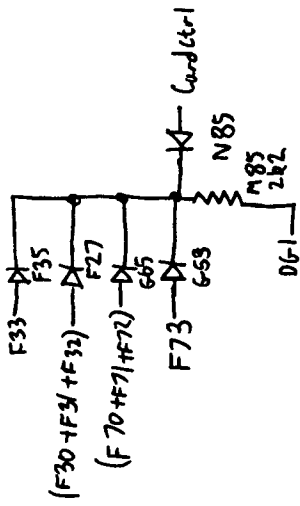
Flip-Flop 52, 53, 54 Input



Display Gates

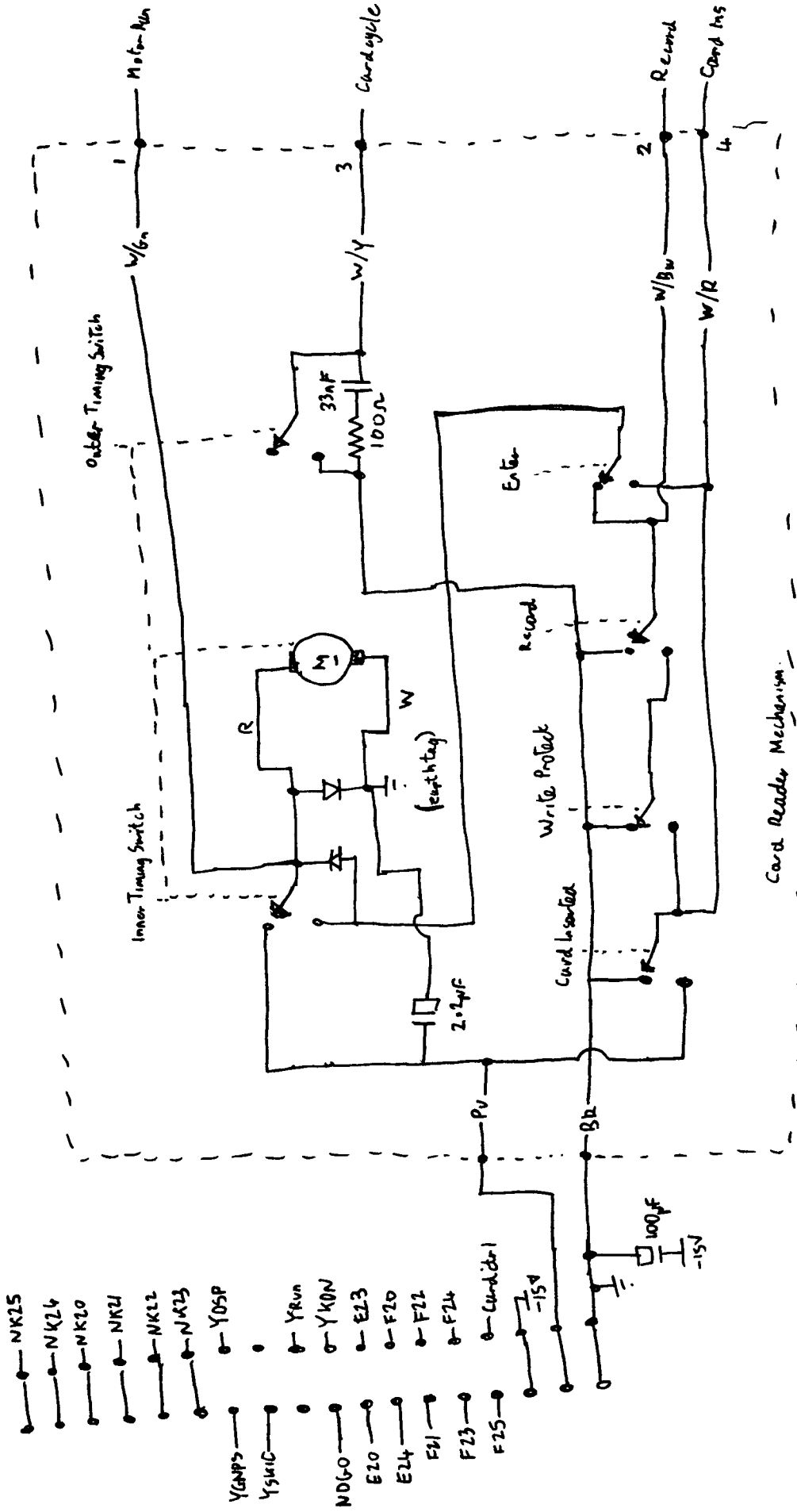


Display Gates



Peripheral Gates

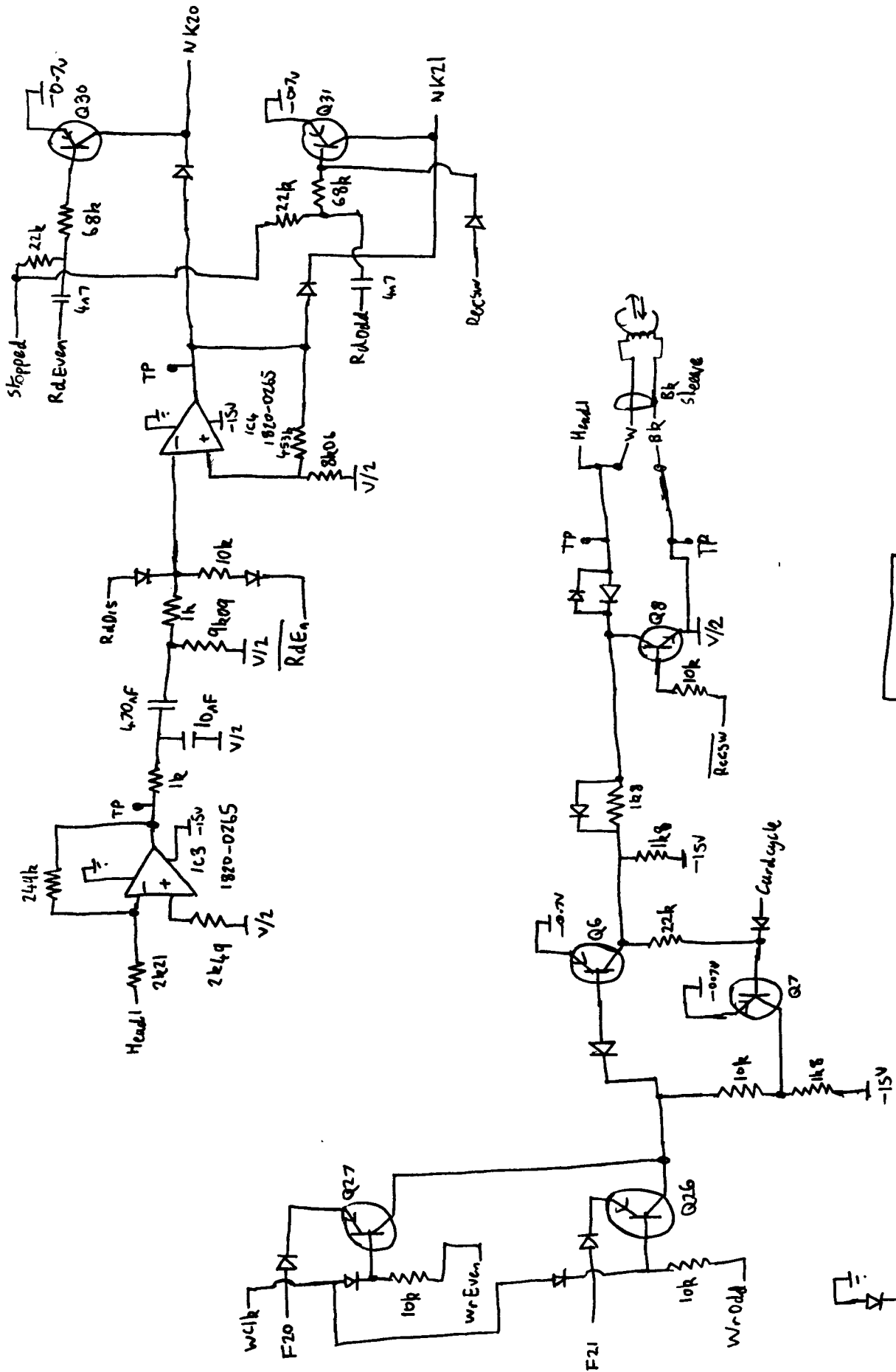
→ Component side  
↑ LMS



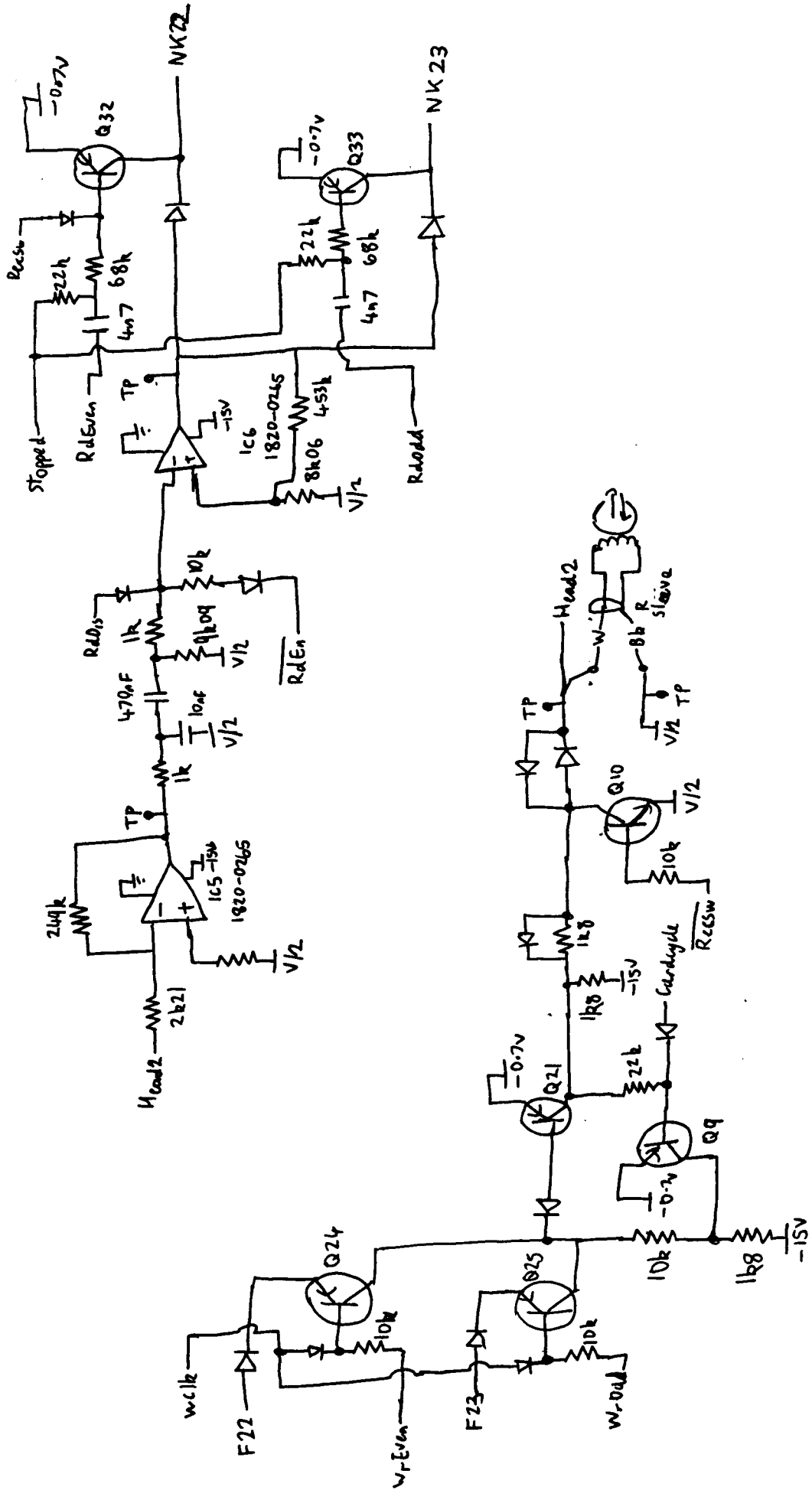
Mechanism Wiring

HP 9100B Card Reader Sheet 1

09100-66591

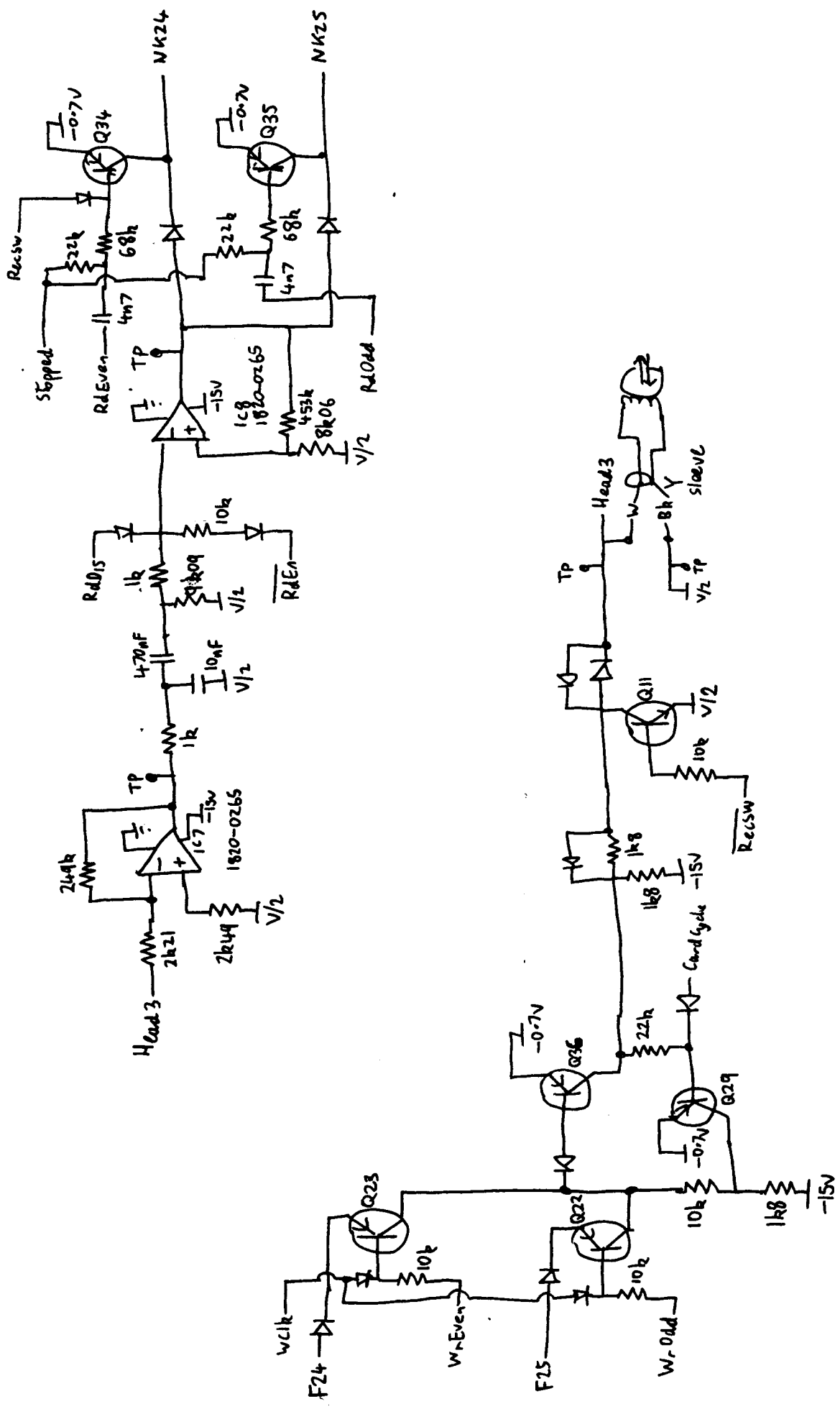


Data Channel 1

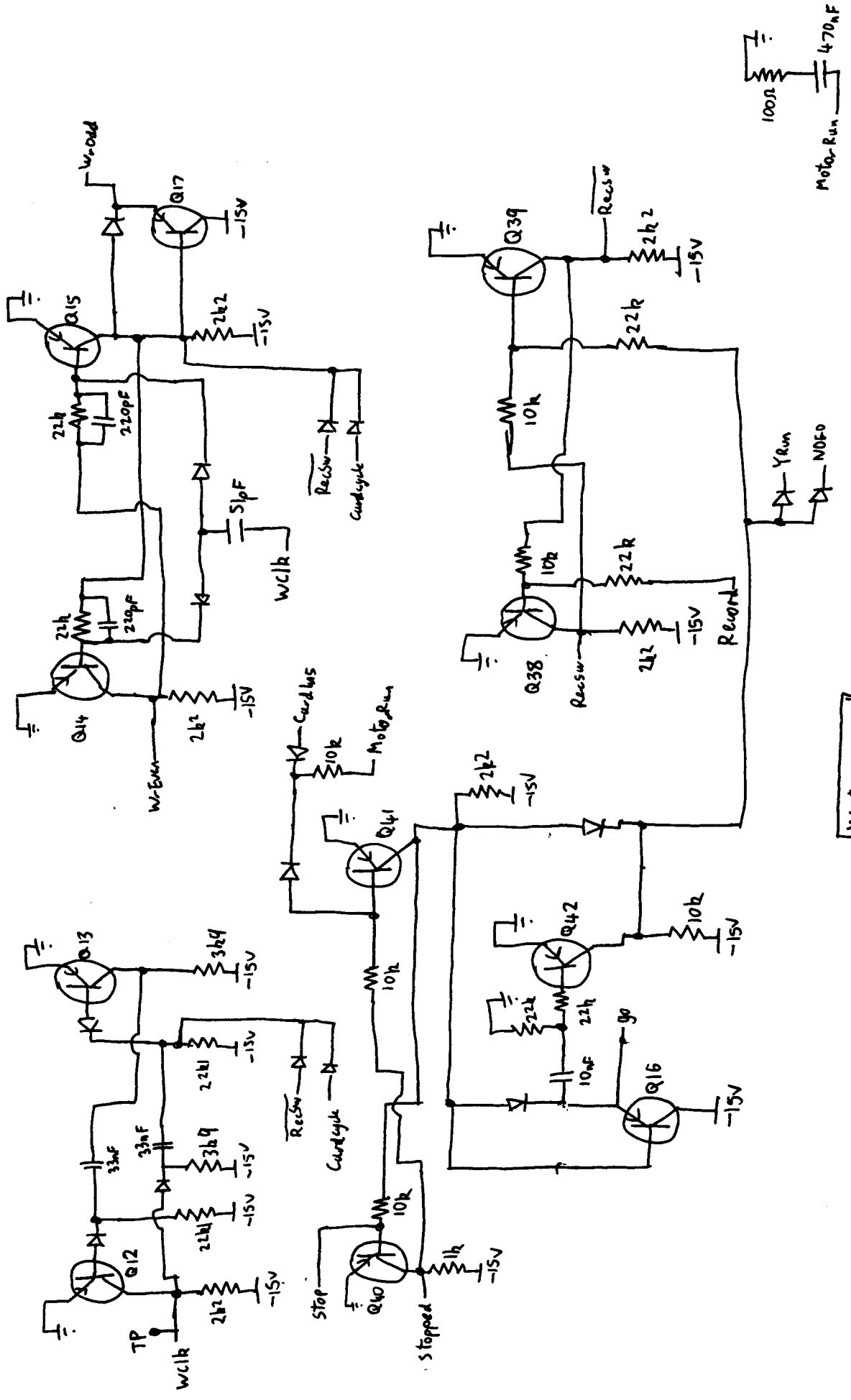


Data Channel | 2

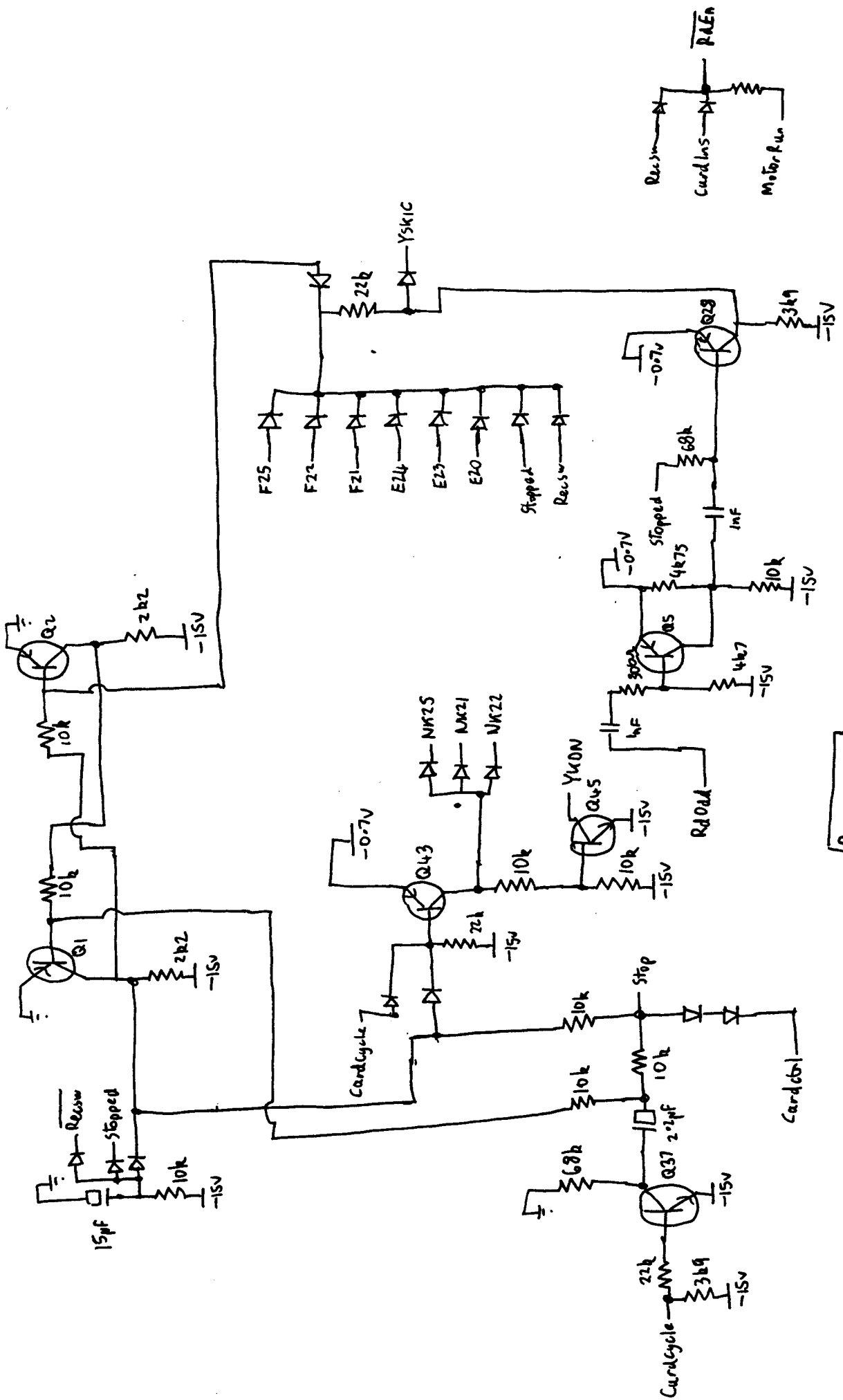




Data Channel 3



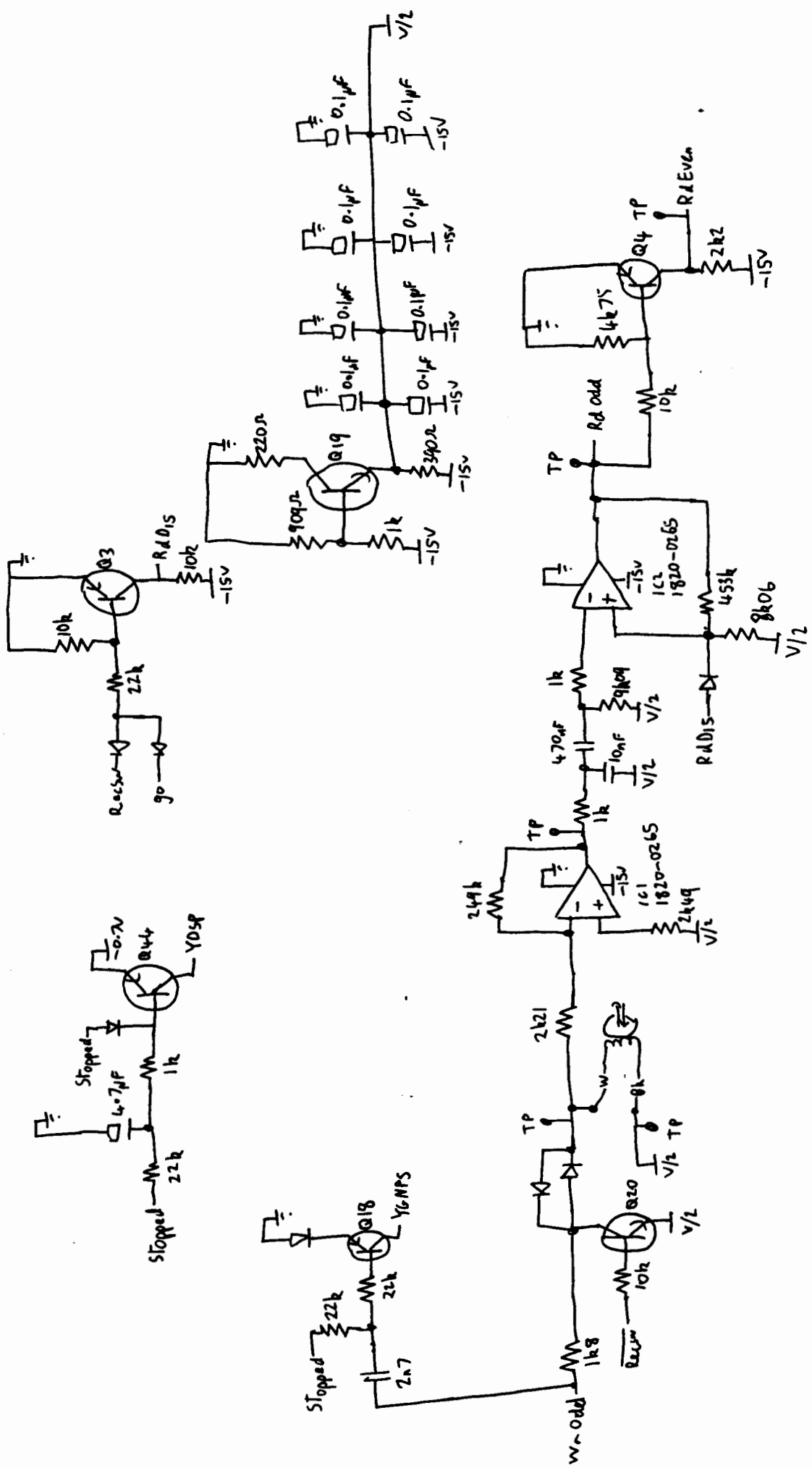
Write Control



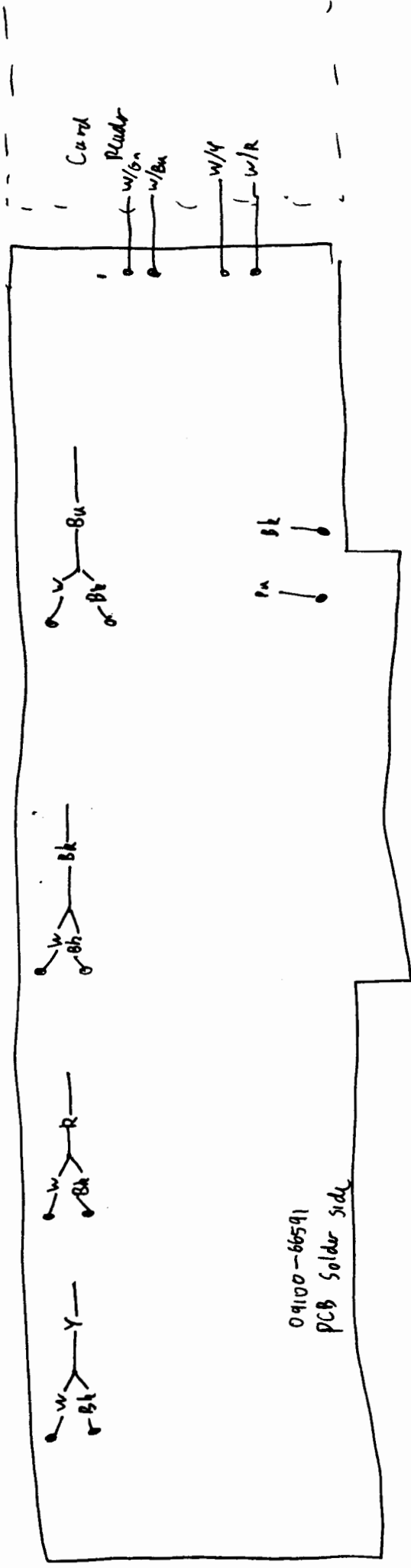
Reader Control

09100 - 66591

HP 9100B Card Reader - Sheet 6



Timing Channel



HP9100B Card Reader PCB wiring

