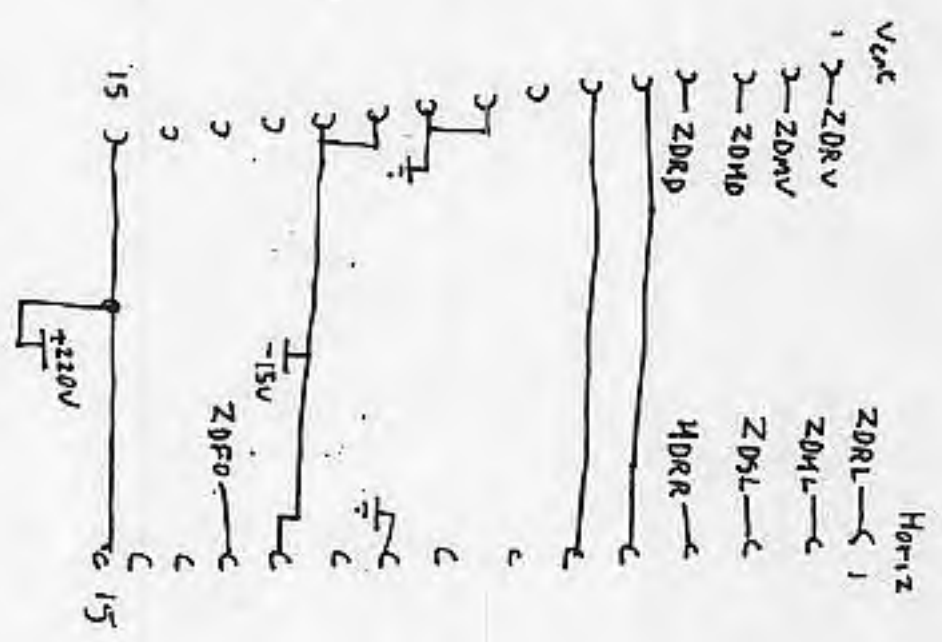
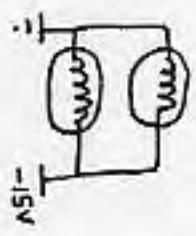
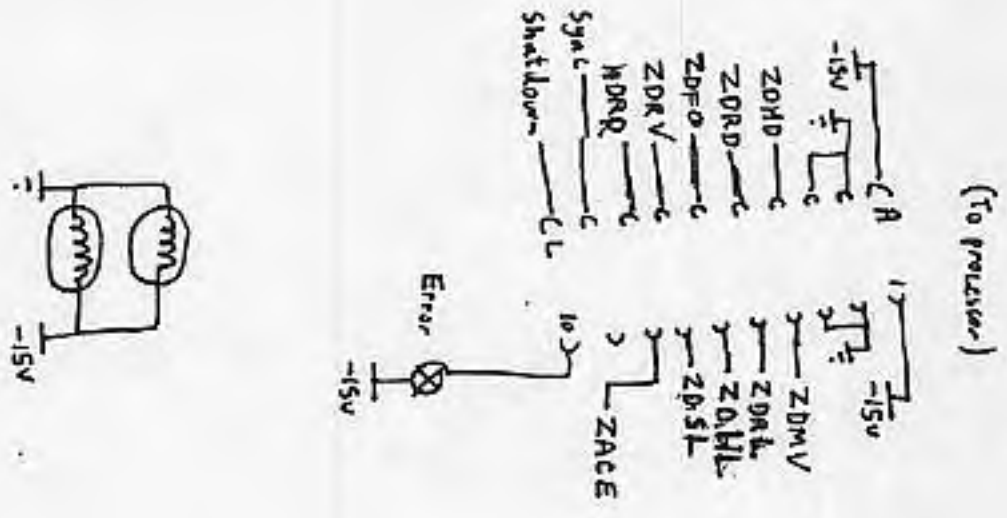


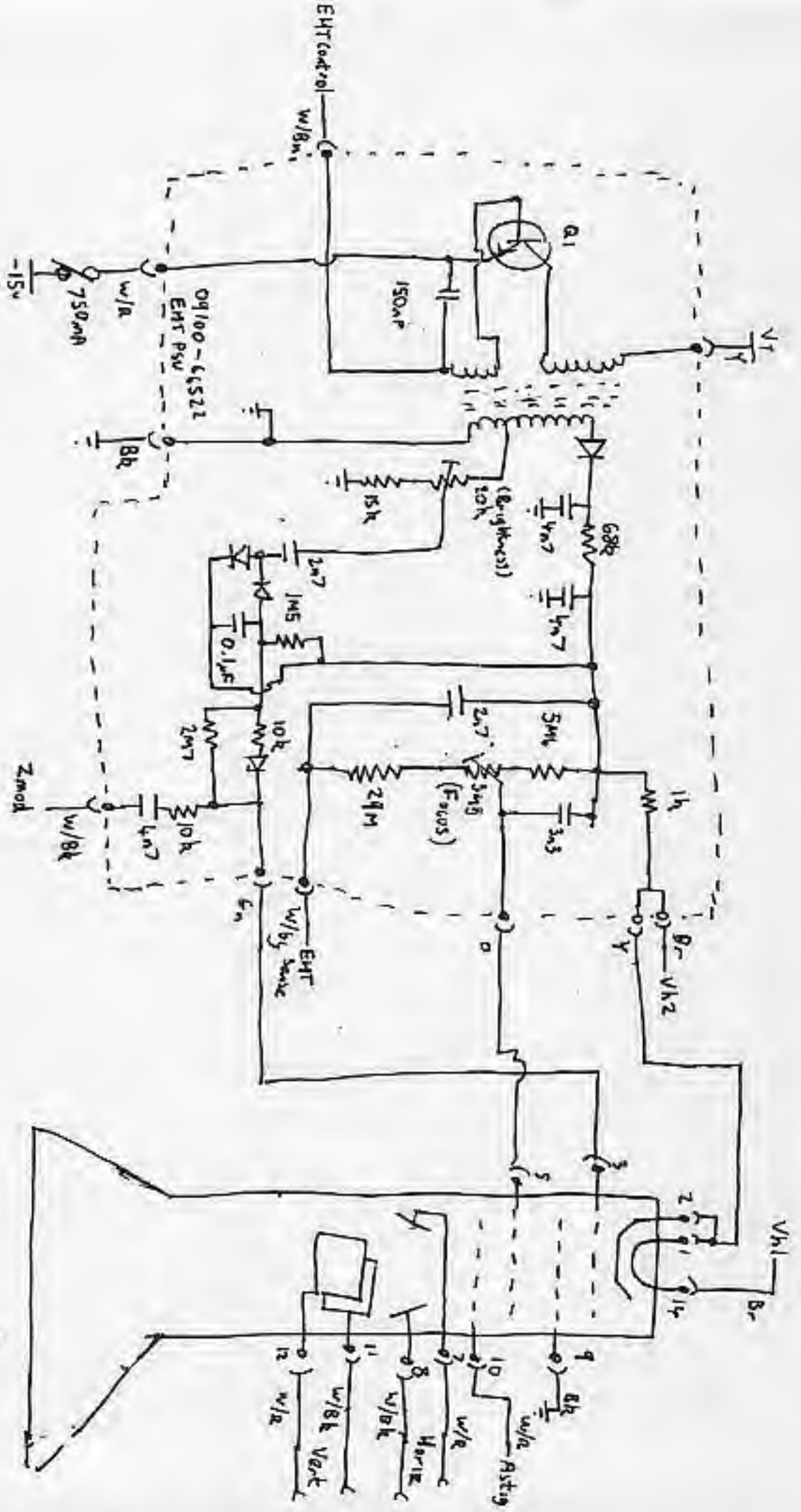
LV PSU

HPq100 PSU sheet ①

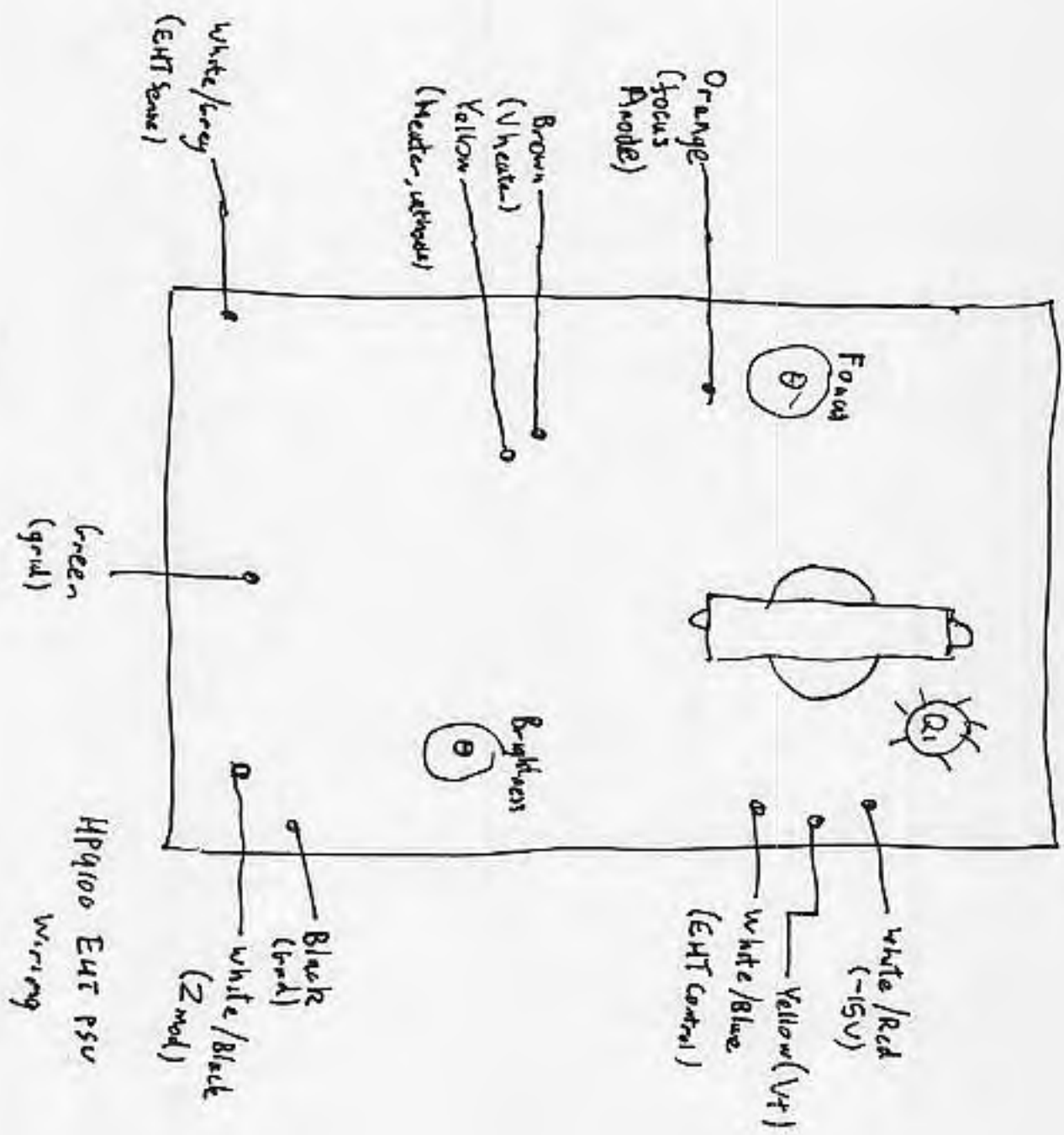


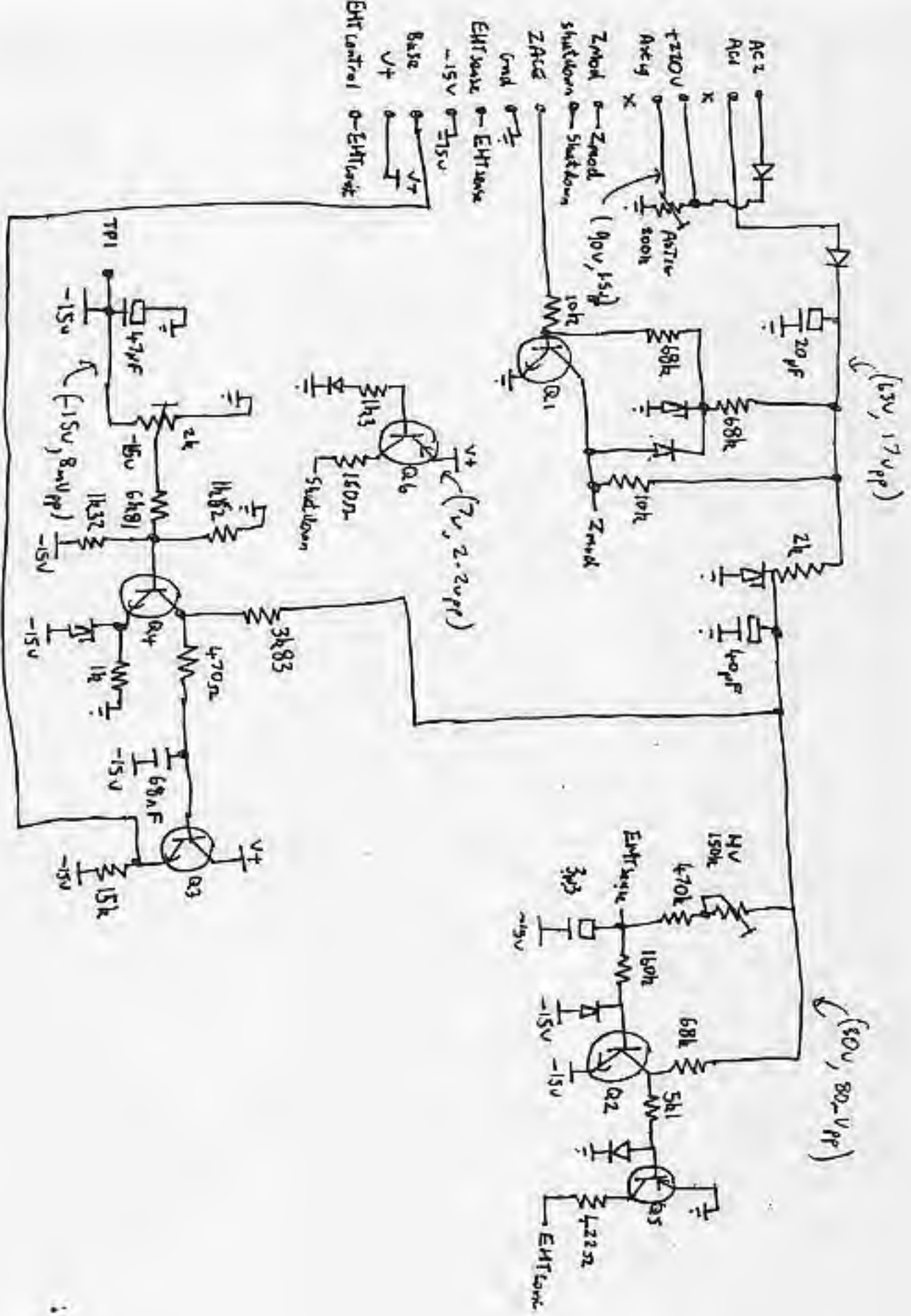
Top case wiring

AP4410 PSU sketch (2)



HP 4100 PSU sket ③

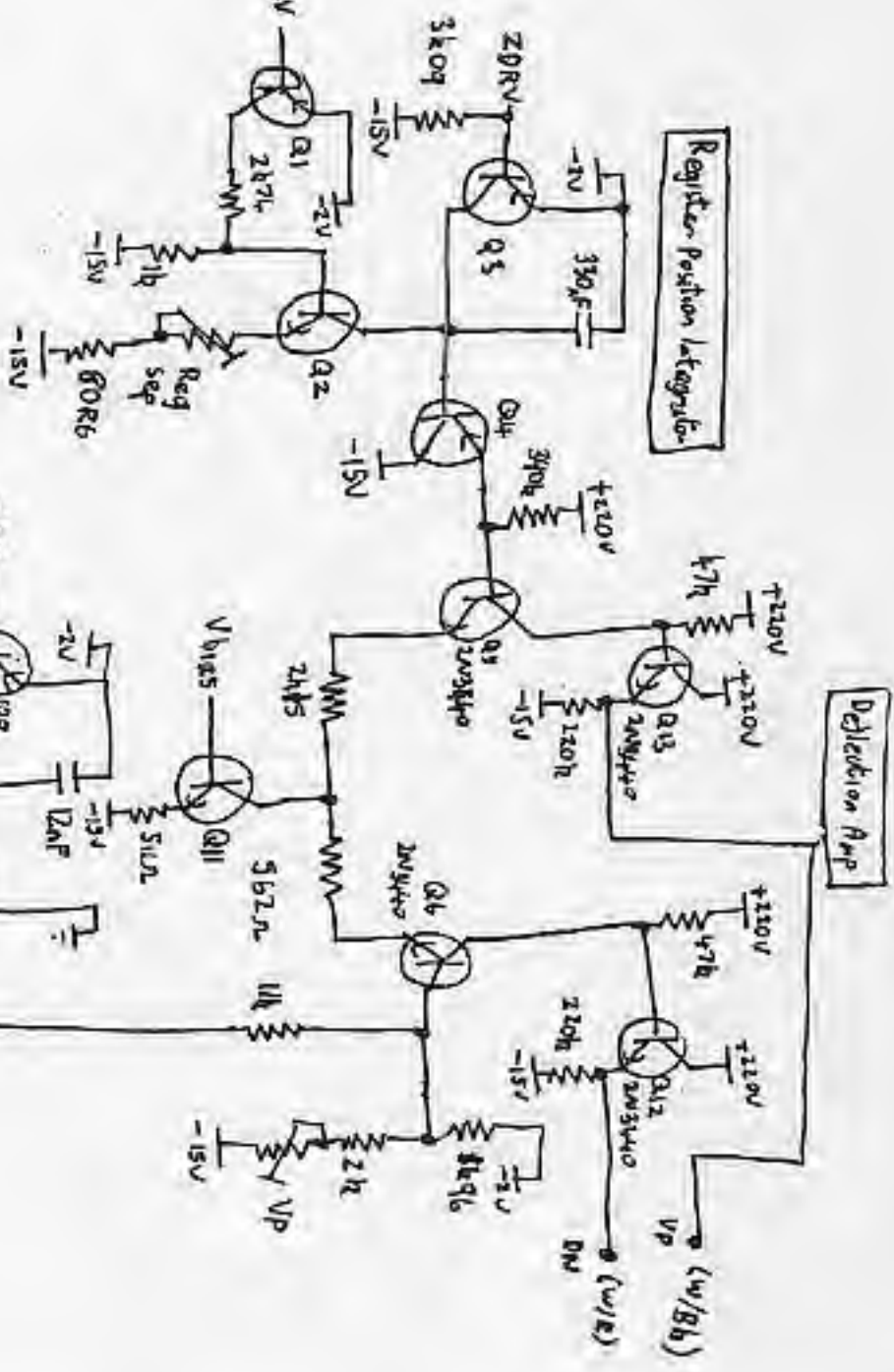
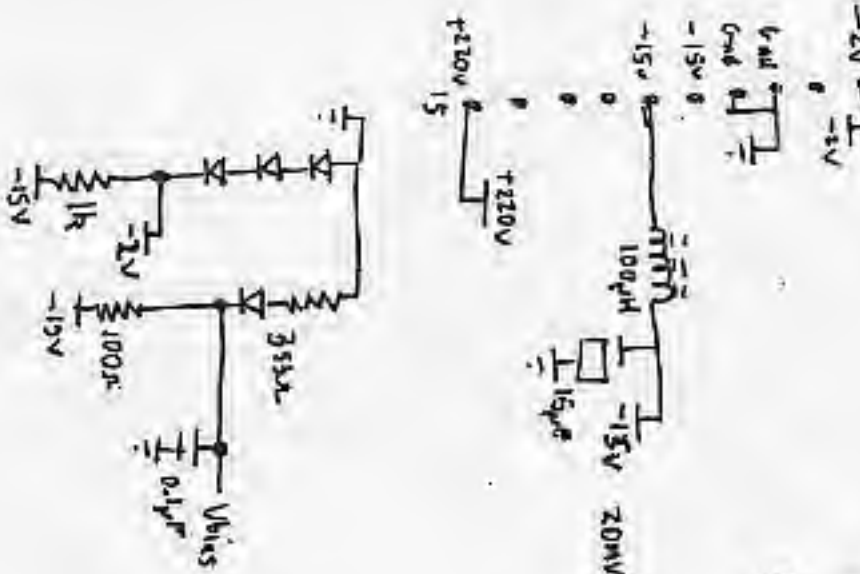




Ac2
 Ac1
 tZ10V
 Az1g
 Zmod
 Shutdown
 ZAnc
 Gnd
 EHTbase
 -15V
 Base
 V+
 EHT control
 0-EHTbase

HP9100 Regulator / Zmod PCB
 (09100-66521)

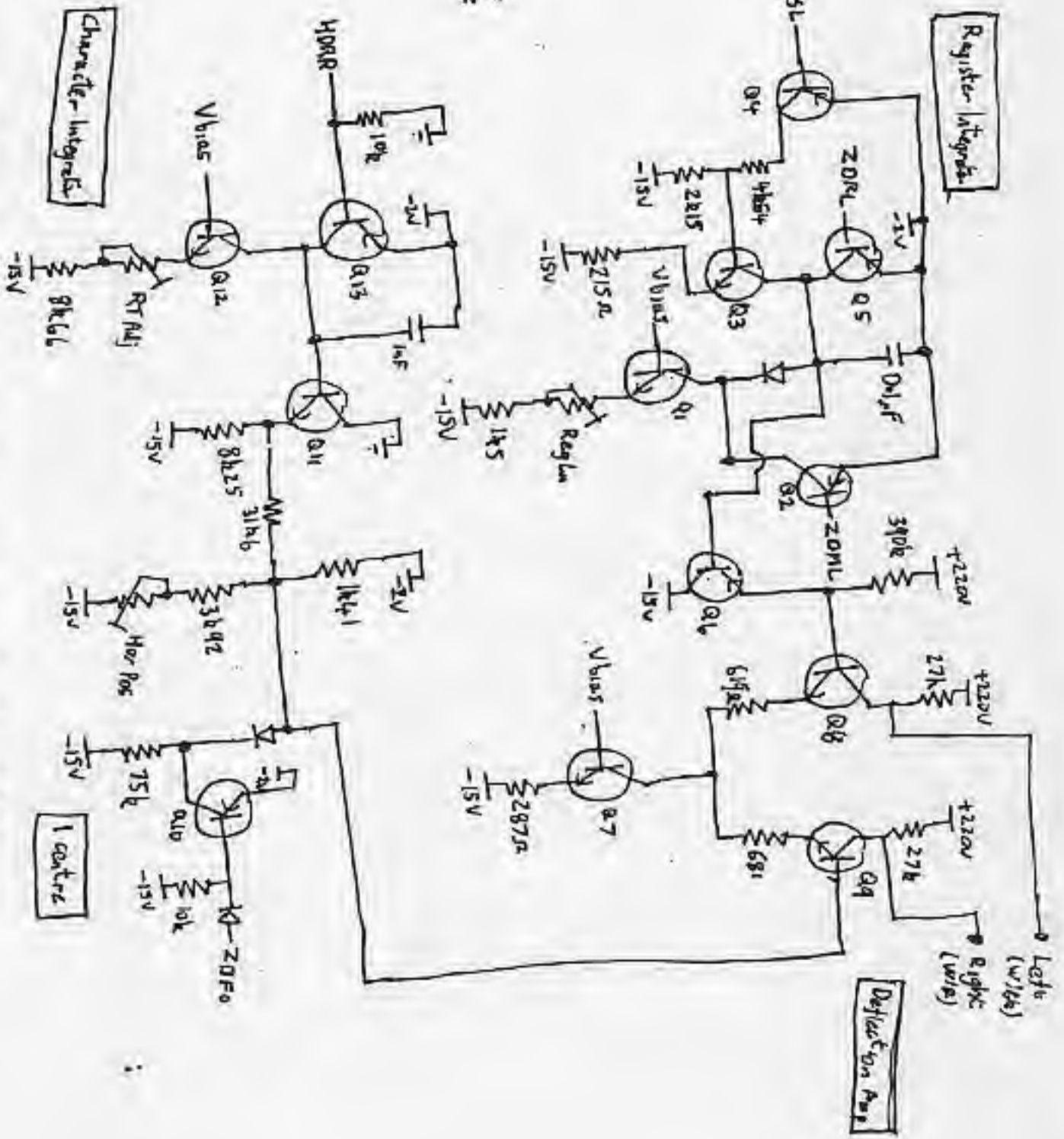
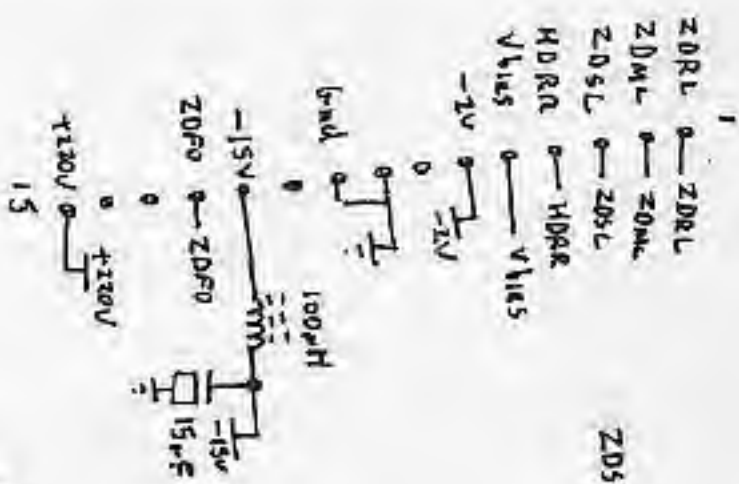
ZDRV → ZDRV
 ZDMV → ZDMV
 ZDMO → ZDMO
 ZDRD → ZDRD
 Vbias → Vbias
 -2V → -2V
 -15V → -15V
 +210V → +210V
 +210V → +210V



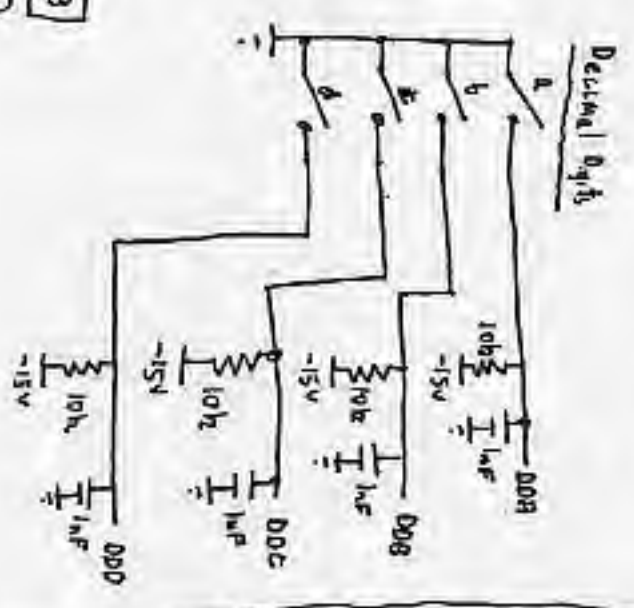
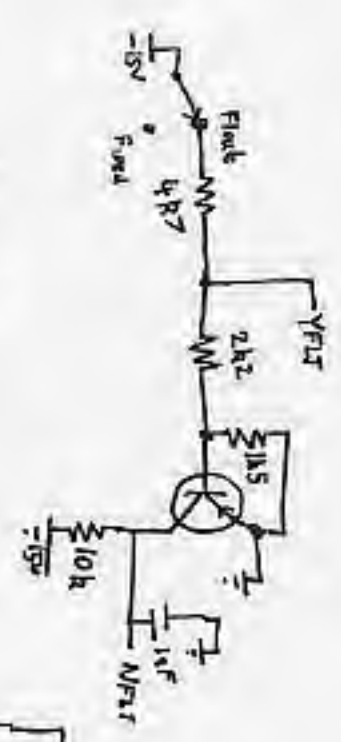
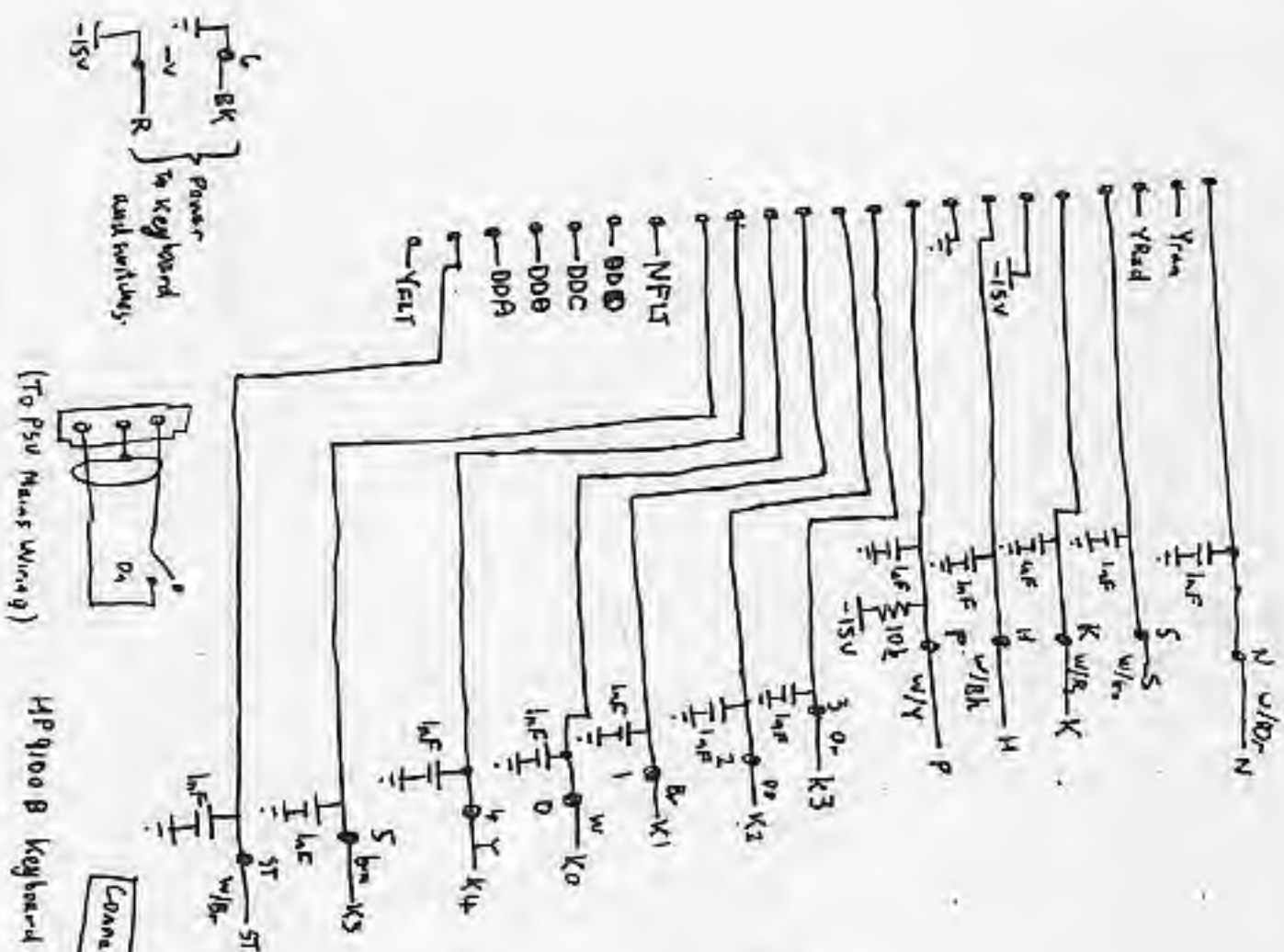
Register Position Integrator

Deflection Amp

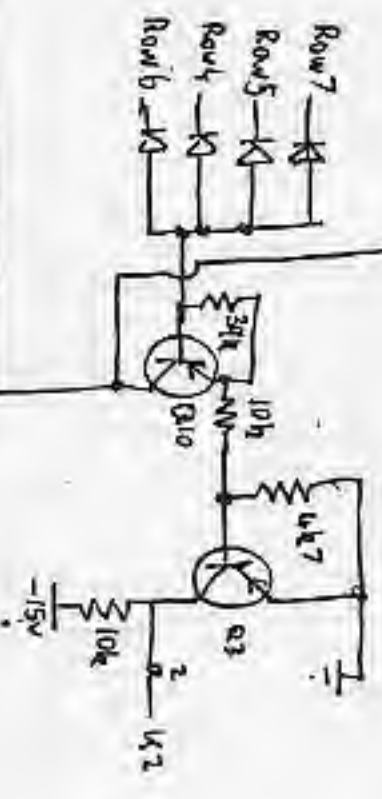
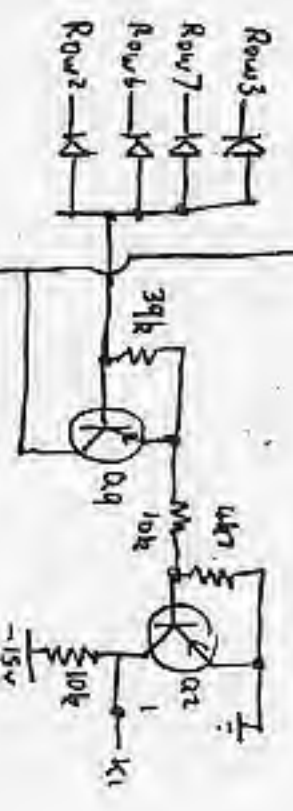
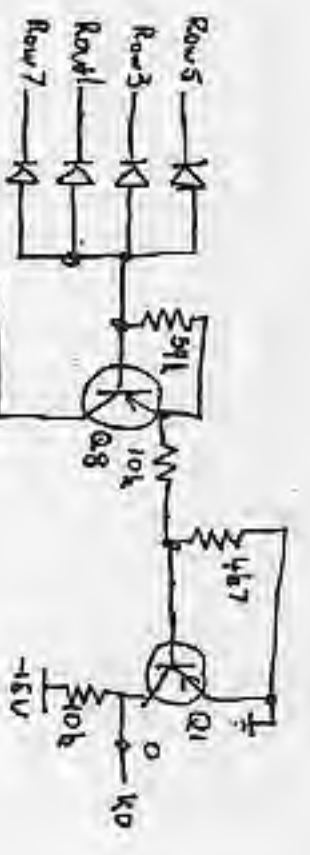
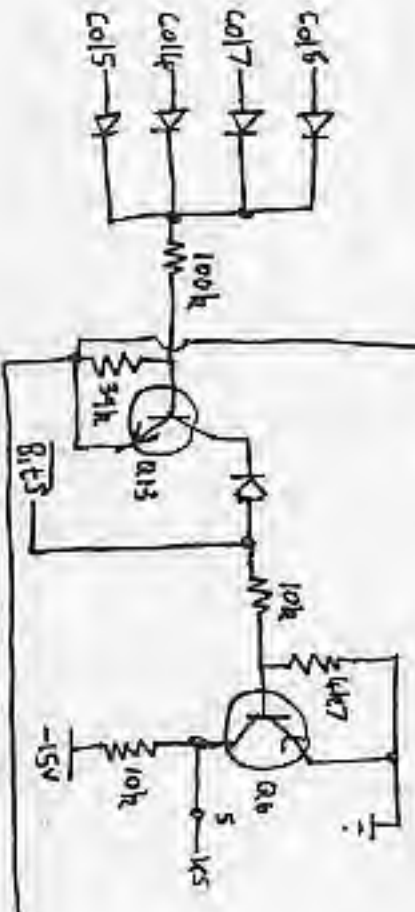
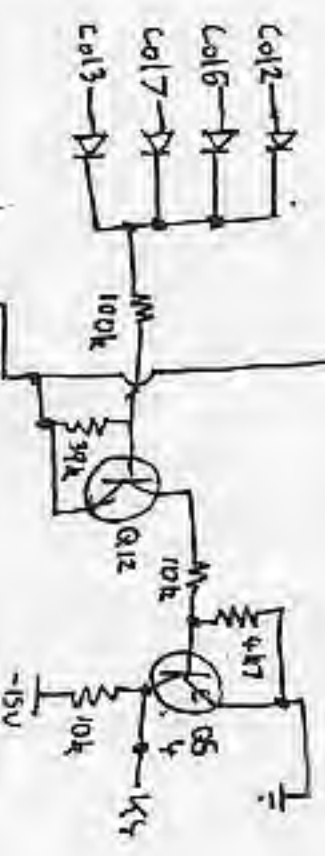
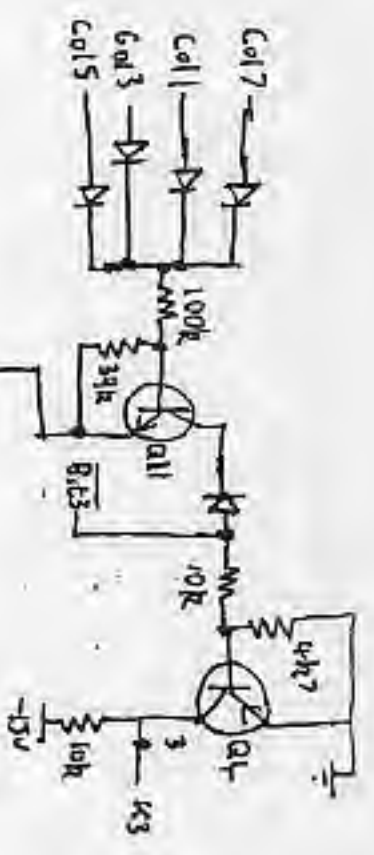
HP9100 Vertical Deflection PCB 09100-6651G



HP9100 Horizontal Deflection PCB 09100-66515

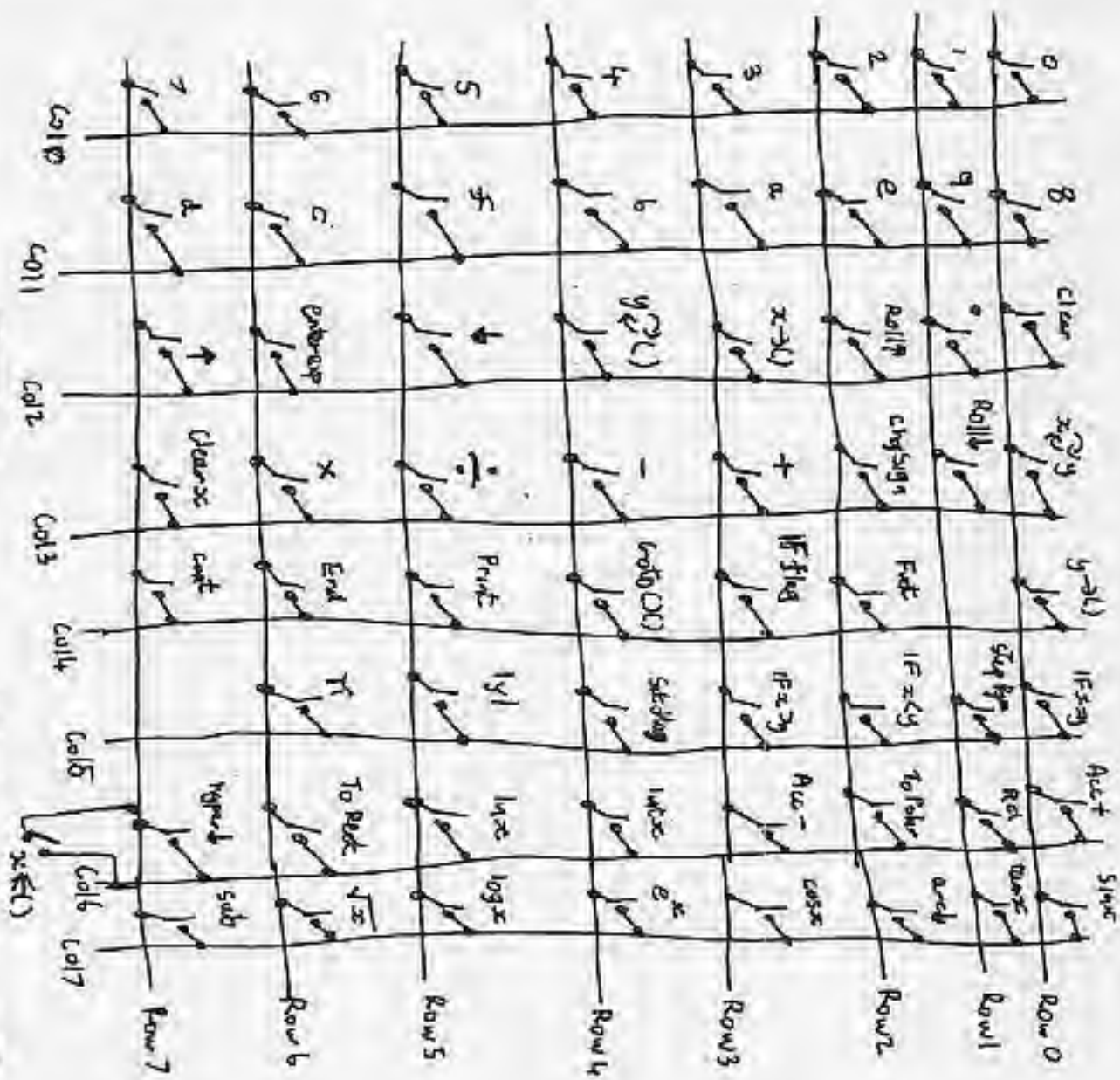


- Contacts Closed
- 0 a b d
 - 1 b d
 - 2 a c
 - 3 c
 - 4 a
 - 5 none
 - 6 a b c
 - 7 b c
 - 8 a b
 - 9 b



Row / Column Encoders

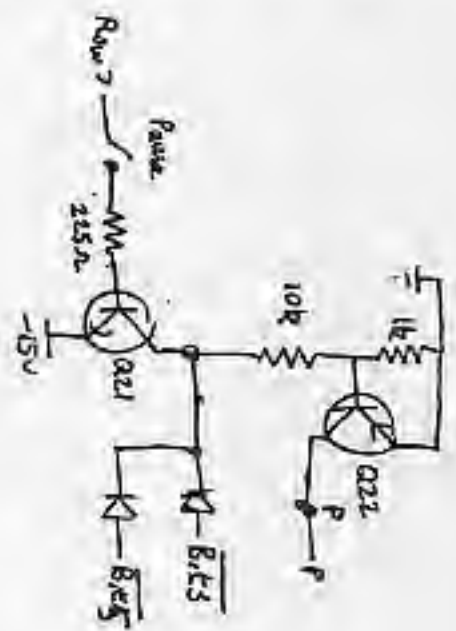
Key Matrix

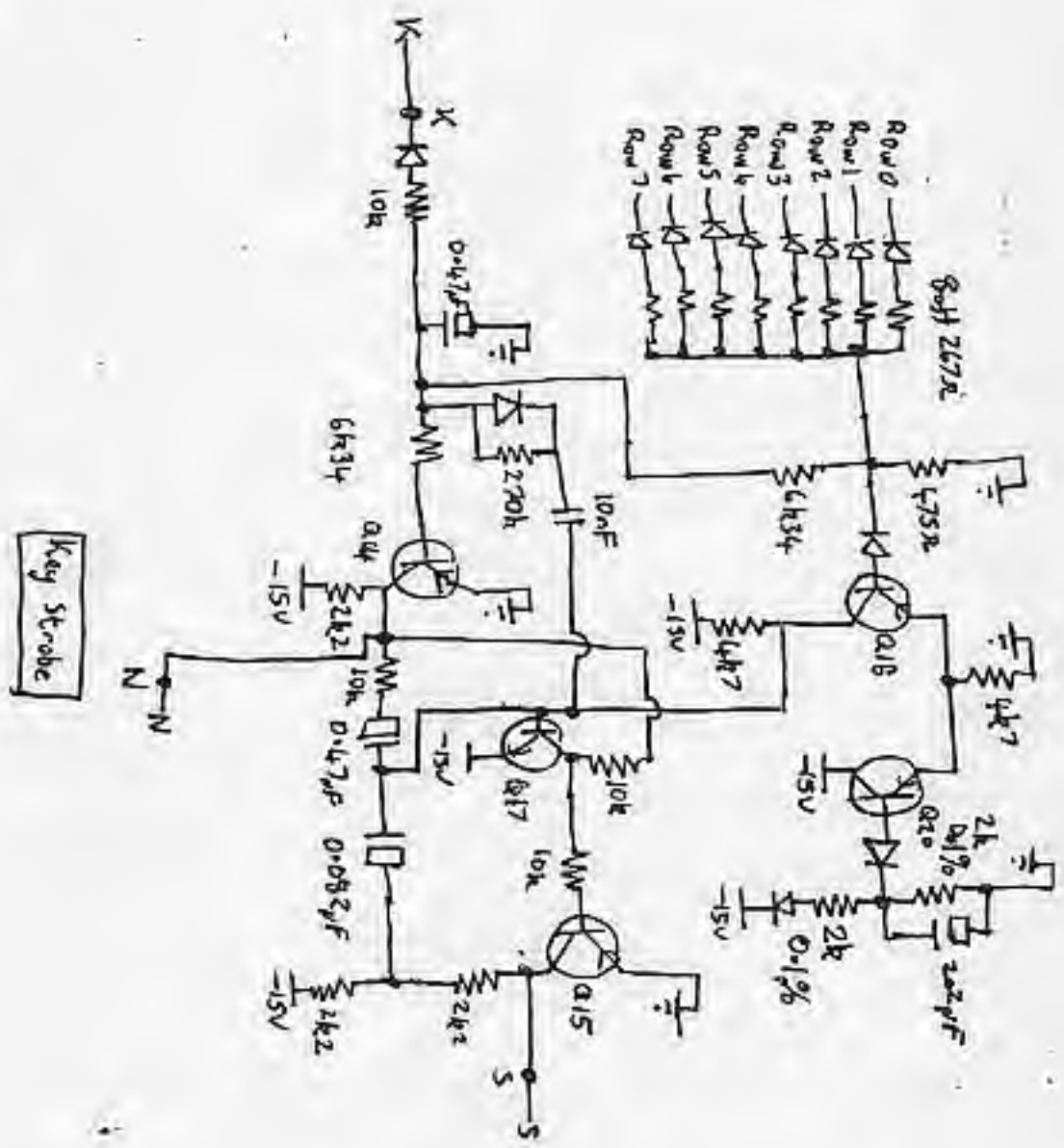
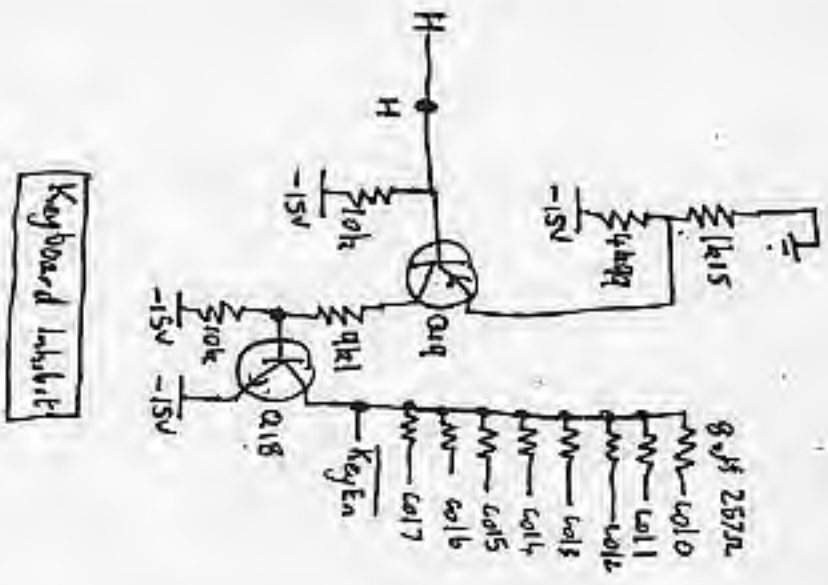


HP 9100B Keyboard Sheet ②

09100-66581

Pause, Stop Keys





HP91008 Keyboard Switch 09100-66581

T_0 Polar	191	Arcl
62	55	72
T_0 Ref	Int x	hypers
66	64	67
RCL	e^x	sin x
61	74	70
Acc -	ln x	cos x
63	65	73
Acc +	log x	tan x
60	75	71

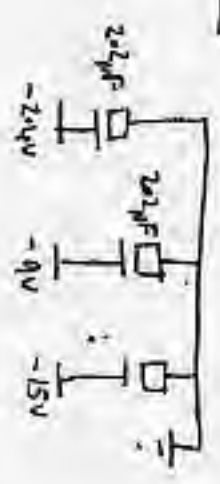
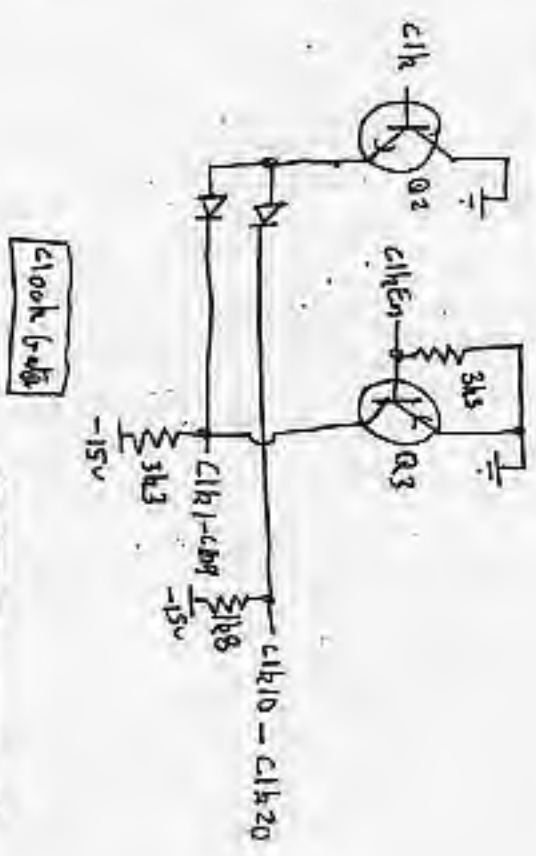
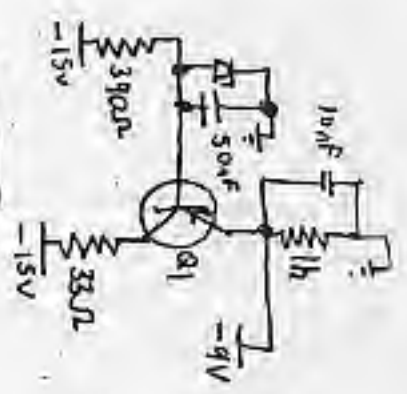
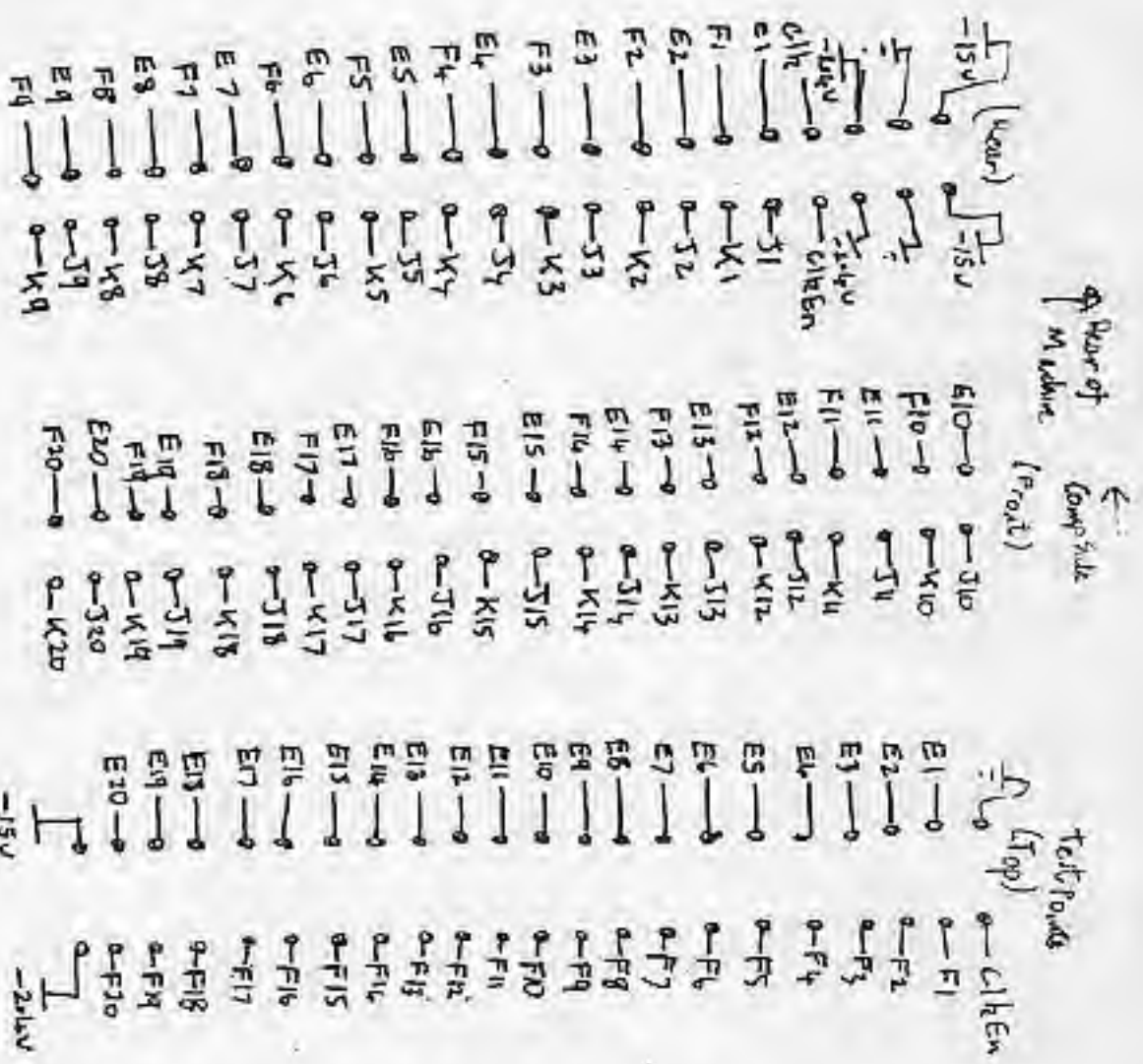
a	b	$x \rightarrow y$
13	14	30
c	d	Roll ↓
16	17	31
e	f	Roll ↑
12	15	22
$y \rightarrow x()$	$y \rightarrow ()$	· Φ
40	24	25
$x \rightarrow ()$	$x \leftarrow ()$	↑
23	67	27

HP9100 B Keycaps ①

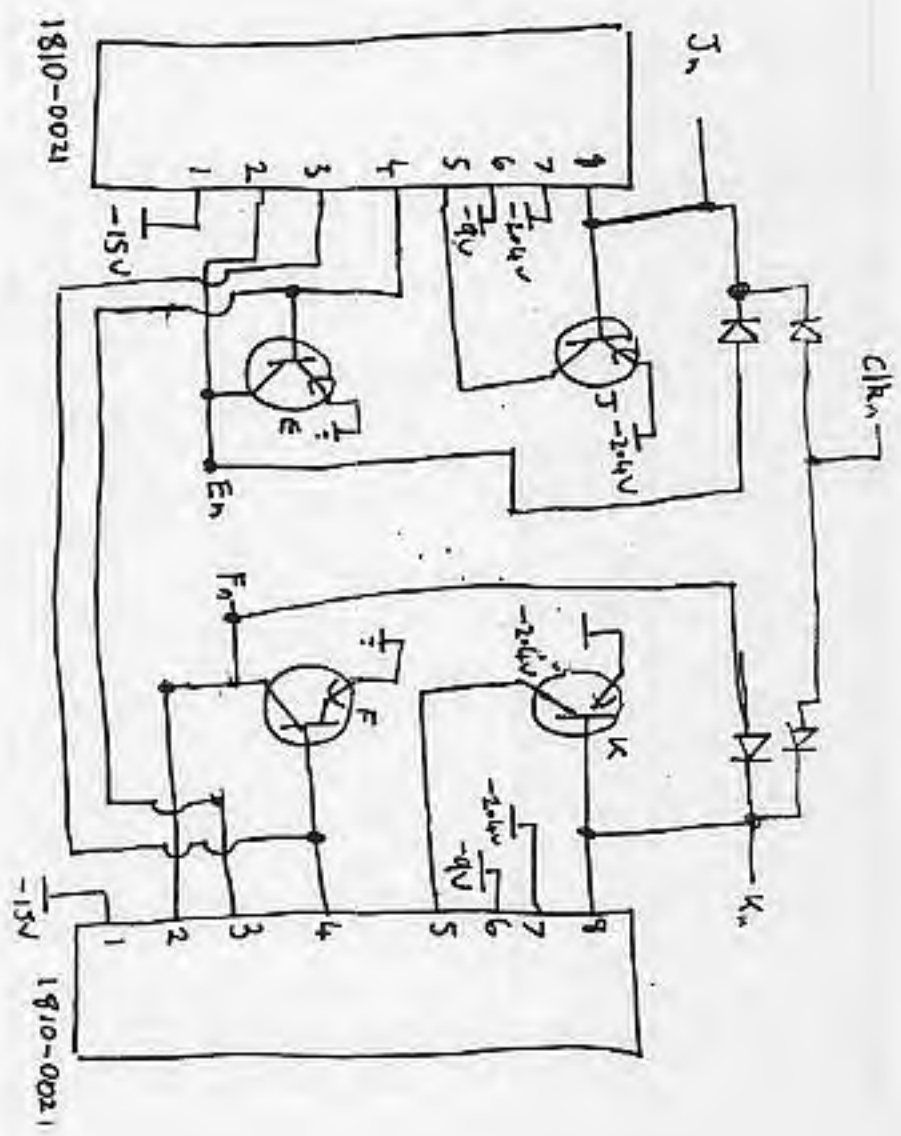
\sqrt{x}	Chg sign	Enter Exp	Clear x
7 6	3 2	2 6	3 7
\div	7	8	9
3 5	0 7	1 0	1 1
x	4	5	6
3 6	0 4	0 5	0 6
-	1	2	3
3 4	0 1	0 2	0 3
+	0	0	RT
3 3	0 0	2 1	5 6

Clear	IF Flag	Set Flag
2 0	4 3	5 4
Fmt	IF x ^{sig}	Power
4 2	5 2	5 7
Print	IF x ^{sig}	Stop
4 5	5 0	4 1
sub	IF x ^{sig}	End
7 7	5 3	4 6
cont	rot(L)	Stop Pgm
4 7	4 4	5 1

HP9100B keypad (2)



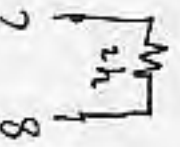
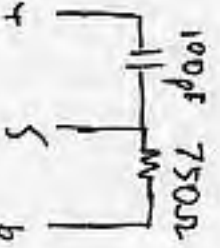
HP9100 Flip-Flop PCB sheet ① 09100-66502



Flip-flop (1 of 20)

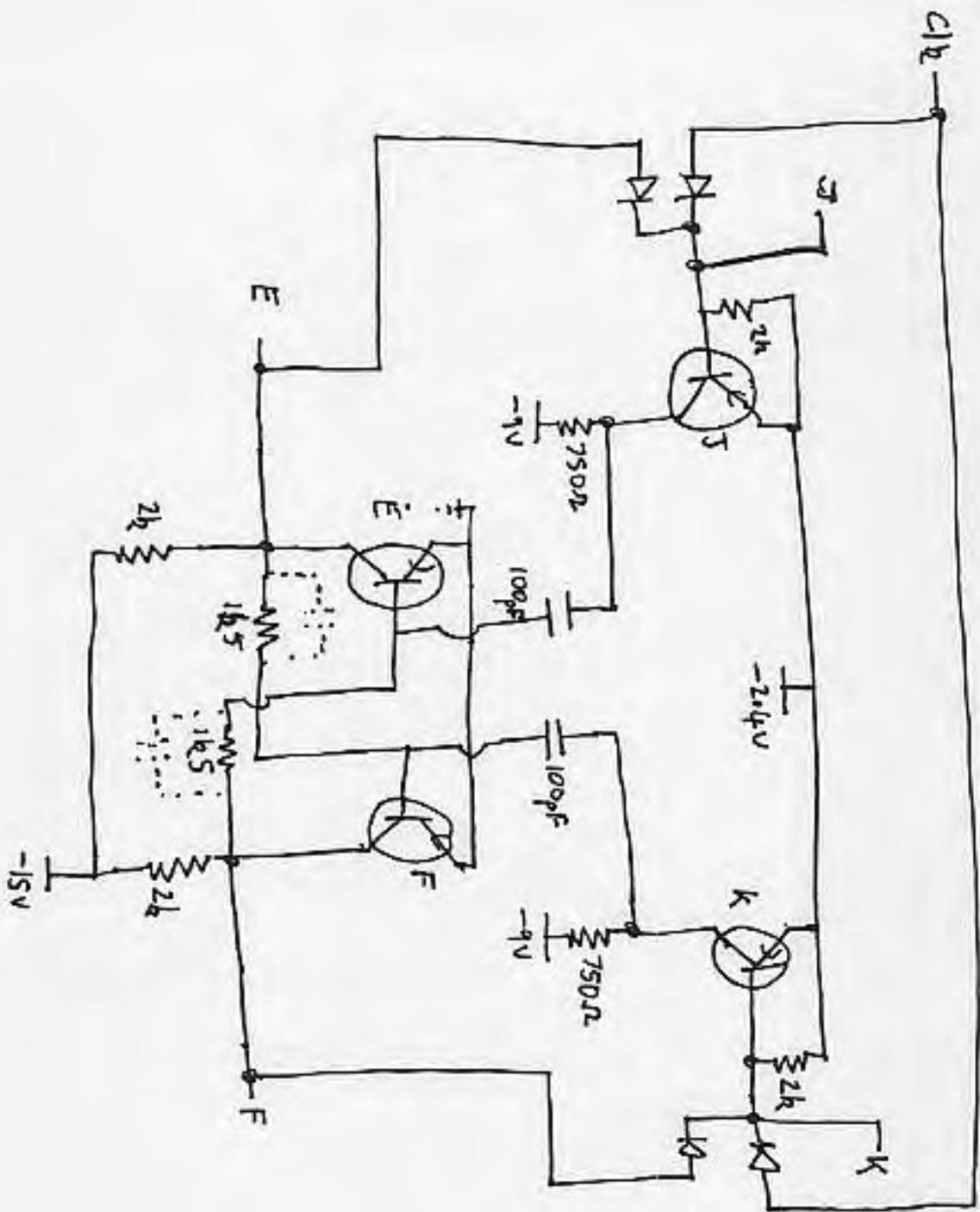
1810-0021
Hybrid

1	1	2k	3.5k	∞	∞	∞	∞	∞	∞
2	2	∞	1.5k	∞	∞	∞	∞	∞	∞
3	3	∞	∞	∞	∞	∞	∞	∞	∞
4	4	∞	∞	∞	∞	∞	∞	∞	∞
5	5	∞	∞	∞	∞	∞	∞	∞	∞
6	6	∞	∞	∞	∞	∞	∞	∞	∞
7	7	∞	∞	∞	∞	∞	∞	∞	∞
8	8	∞	∞	∞	∞	∞	∞	∞	∞



~~750Ω~~ ∞ 750Ω
750Ω
750Ω

:



HP9100 Flip-Flop