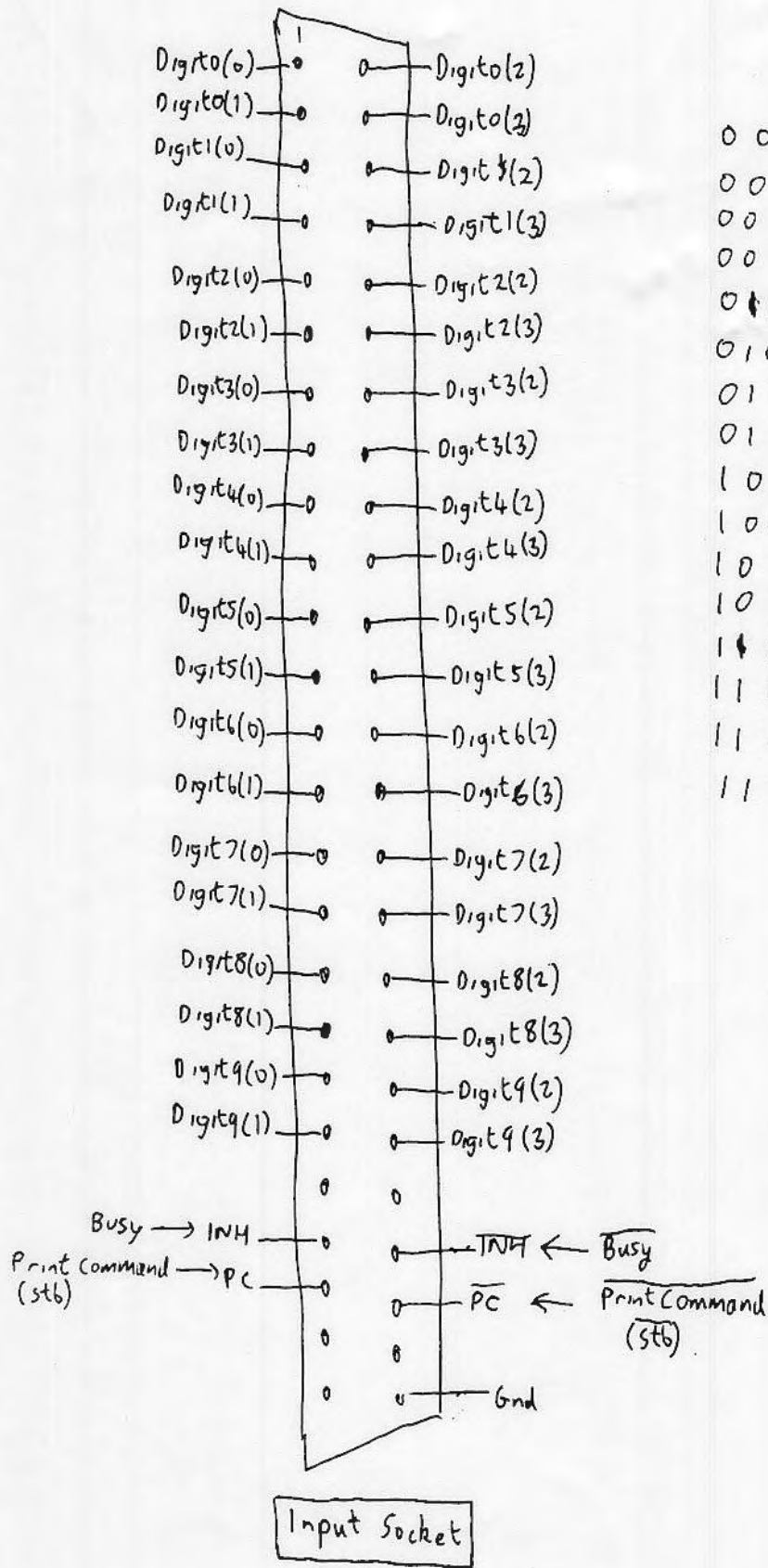


MP5055



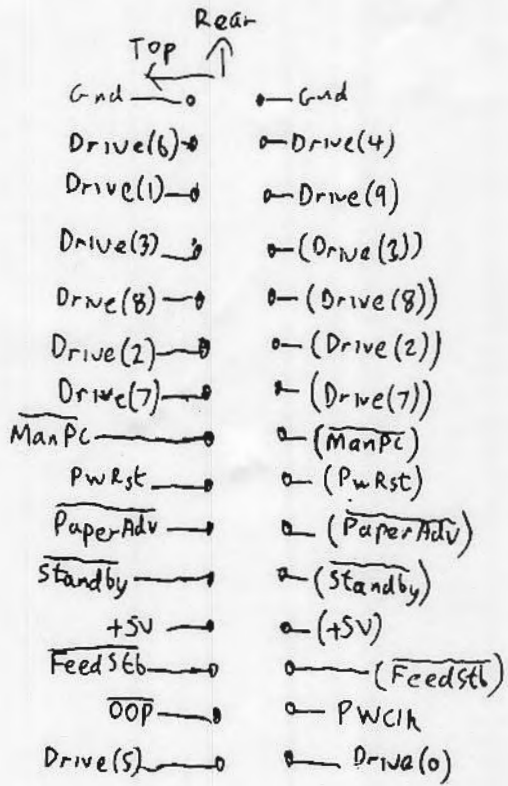
Character Code

0 0 0 0	:	0
0 0 0 1	:	1
0 0 1 0	:	2
0 0 1 1	:	3
0 1 0 0	:	4
0 1 0 1	:	5
0 1 1 0	:	6
0 1 1 1	:	7
1 0 0 0	:	8
1 0 0 1	:	9
1 0 1 0	:	+
1 0 1 1	:	-
1 1 0 0	:	V
1 1 0 1	:	A
1 1 1 0	:	Ω
1 1 1 1	:	*

LHS
↑

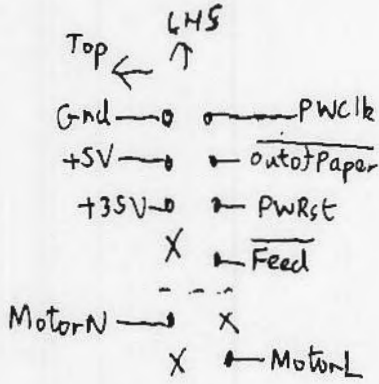
HPS055

- Motor N
- X
- Motor L
- X
- 5Vctrl
- Load Paper
- +5V
- ManPrtSw
- Standby
- Raw5V
- 10VACb
- 10VACa
- Gnd
- Gnd
- +35V
- 35Vctrl
- Raw35V
- 42VACa
- 42VACb
- PaperAdv
- Gnd'
- Gnd'

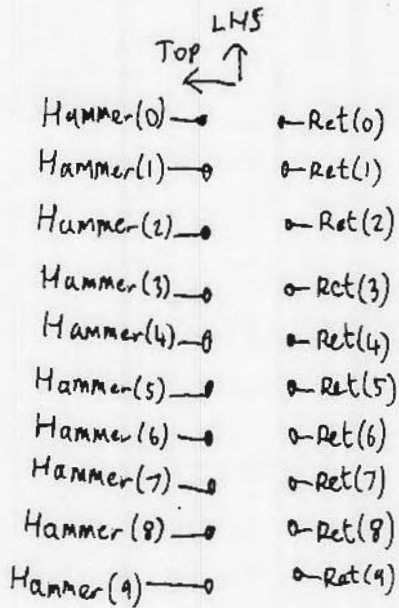


Logic PCB
- Driver PCB

Chassis -
Driver PCB

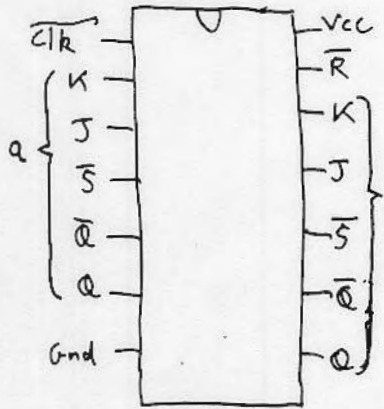


Printer Mechanism
- Driver PCB

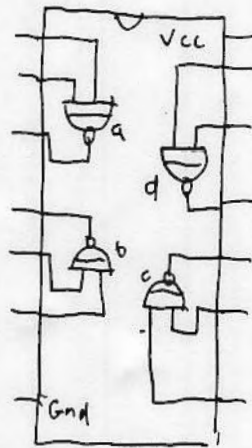


Hammer Bank
- Driver PCB

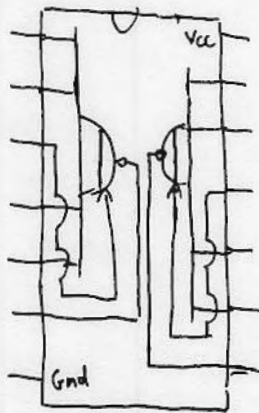
HPS055



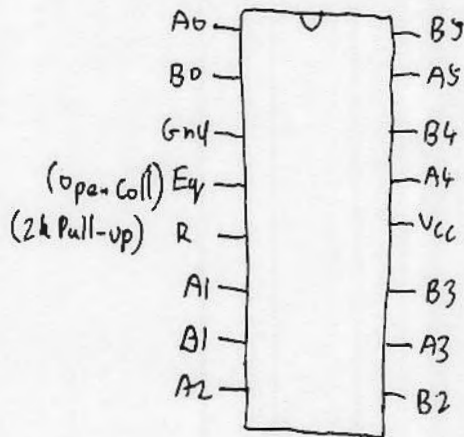
852
Dual JK Flip-Flop
(Common Clk, \bar{R})



858
(Open Collector)

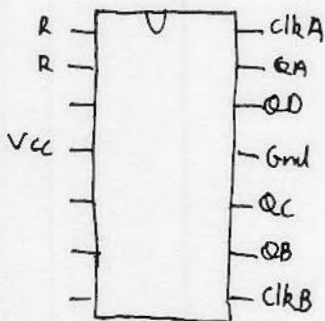


944
(Open-Collector)



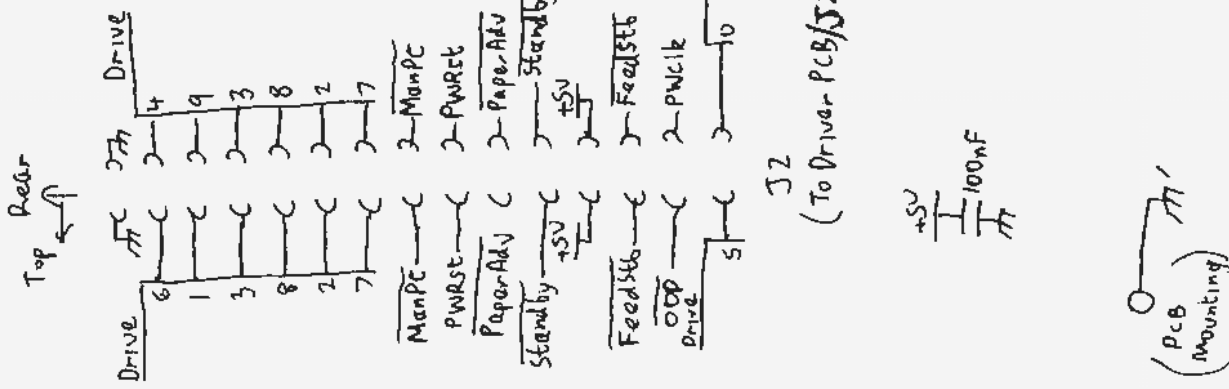
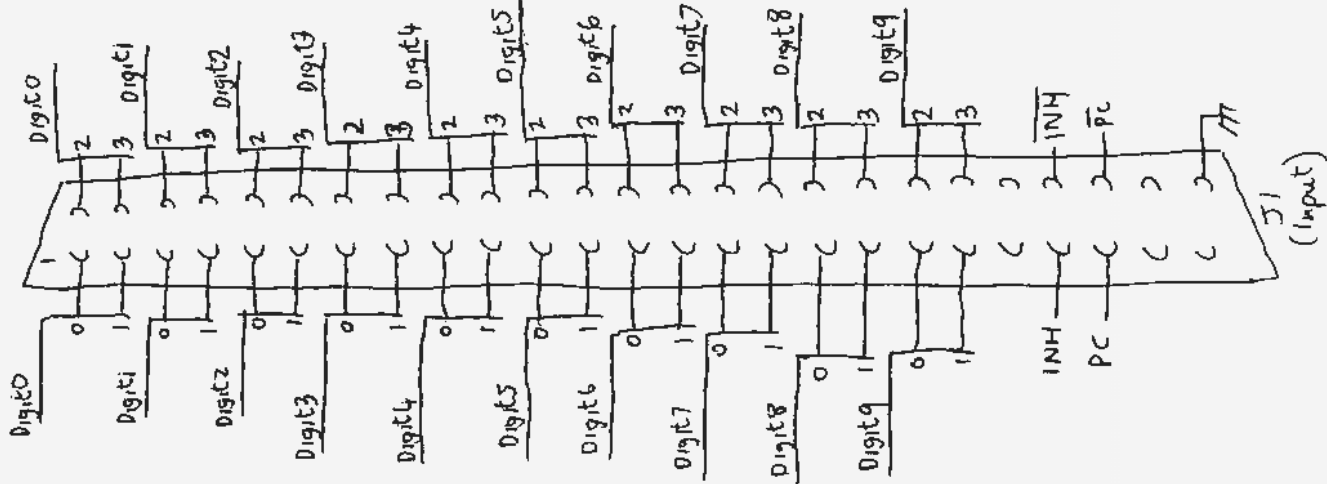
1820-0250
6-bit Comparator

Eq output true if $A_n = B_n$
R: 2k pull-up resistor
Inputs have $\sim 9k$ pull-ups

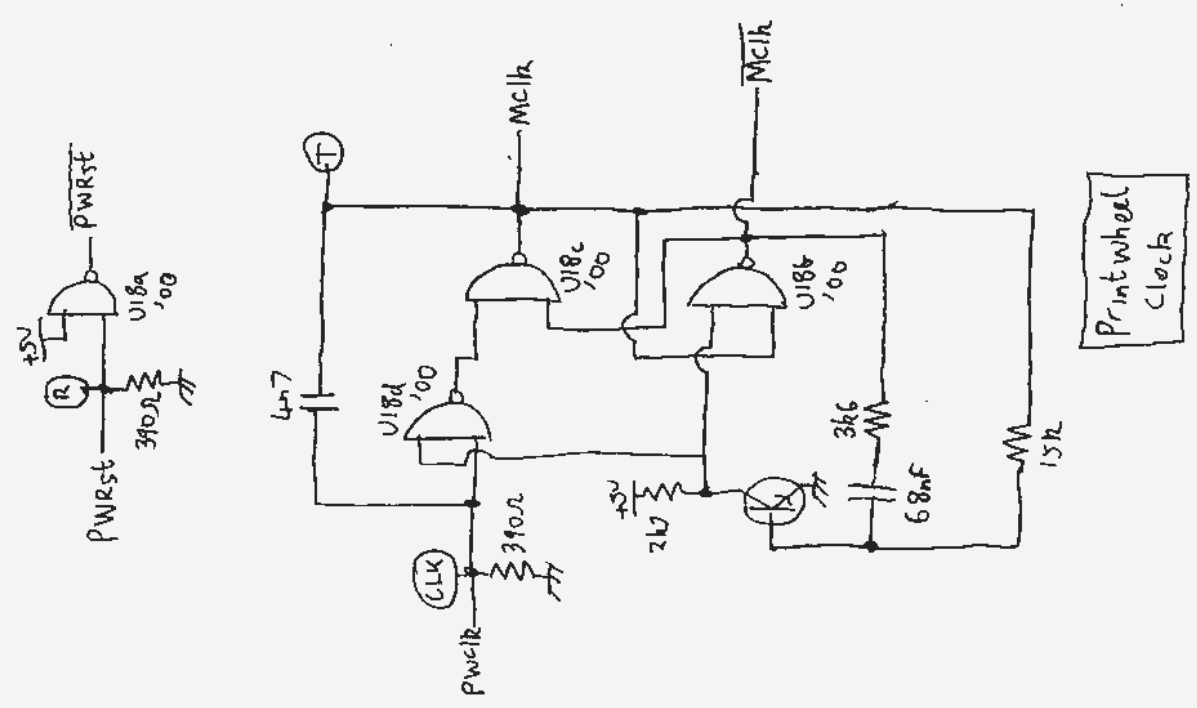


'L93
4 bit Counter

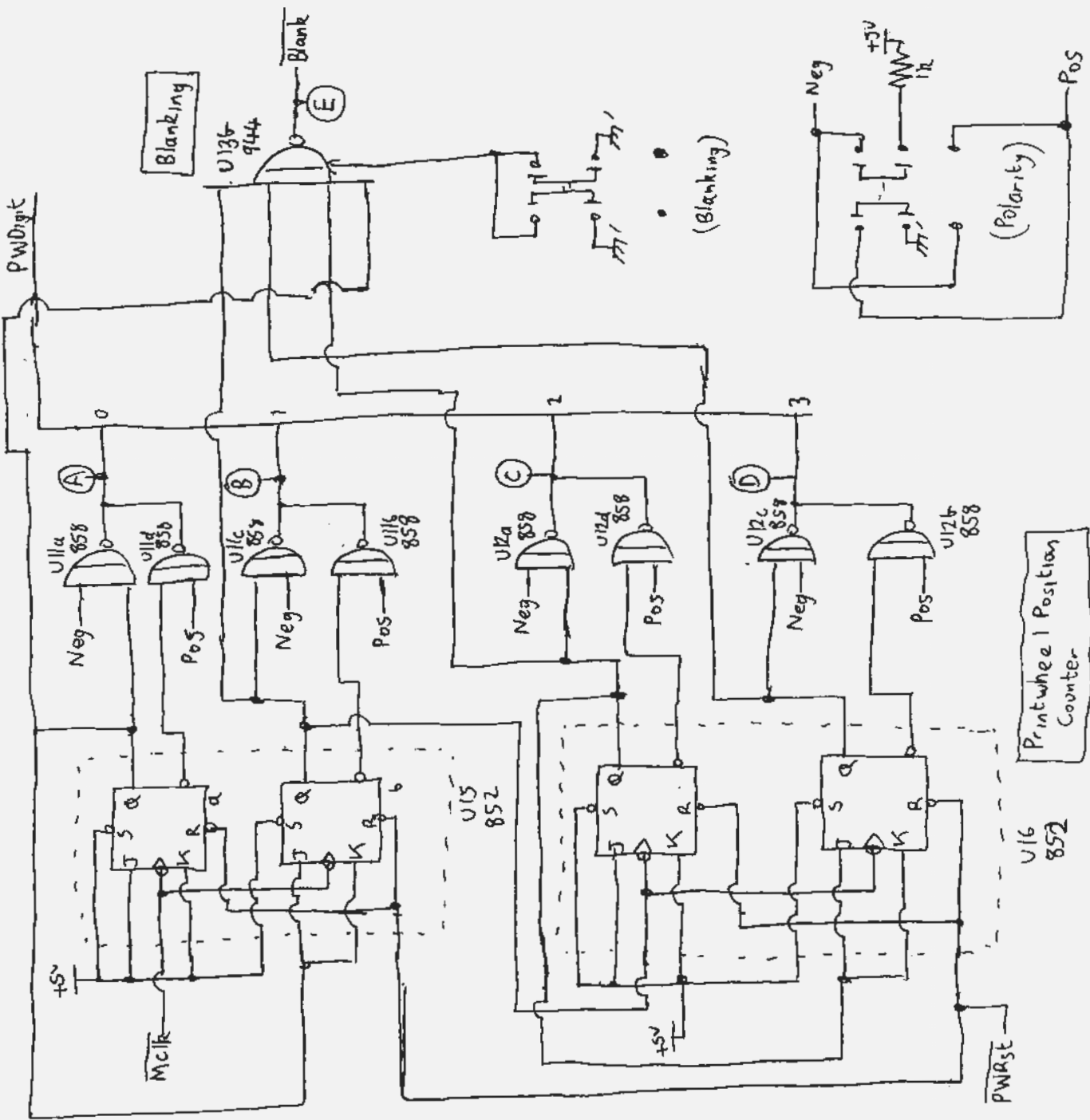
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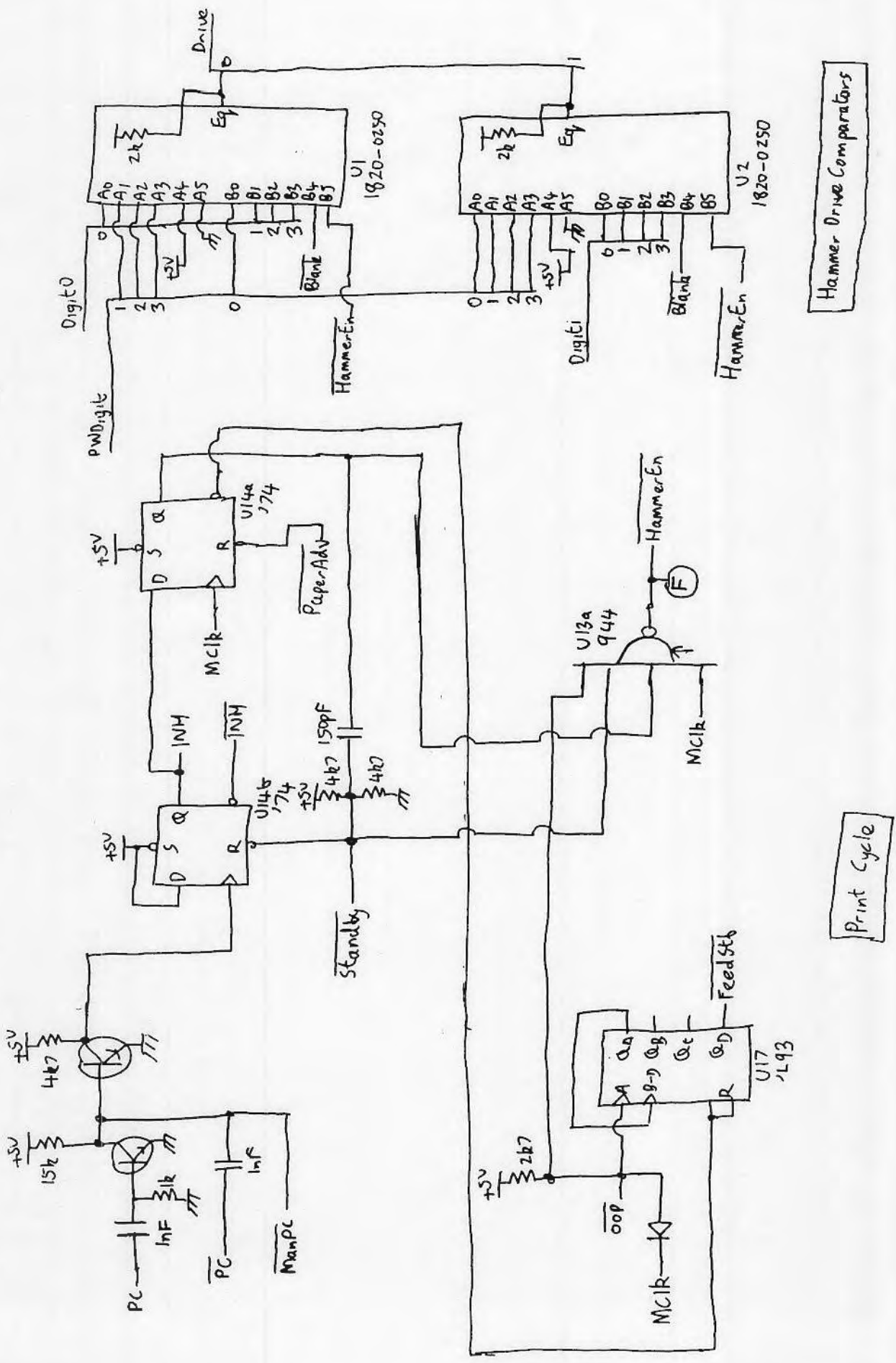


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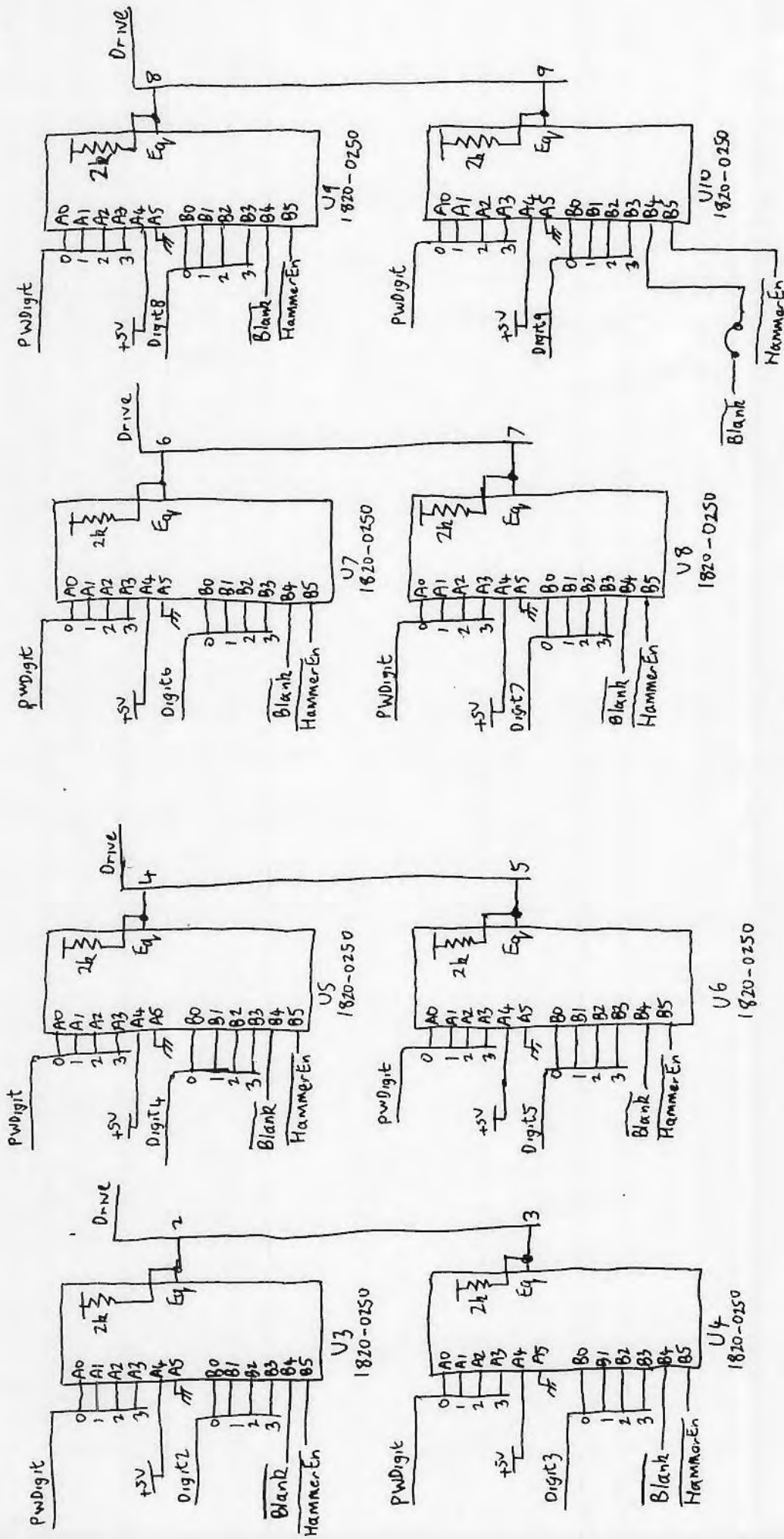
)





Hammer Drive Comparators

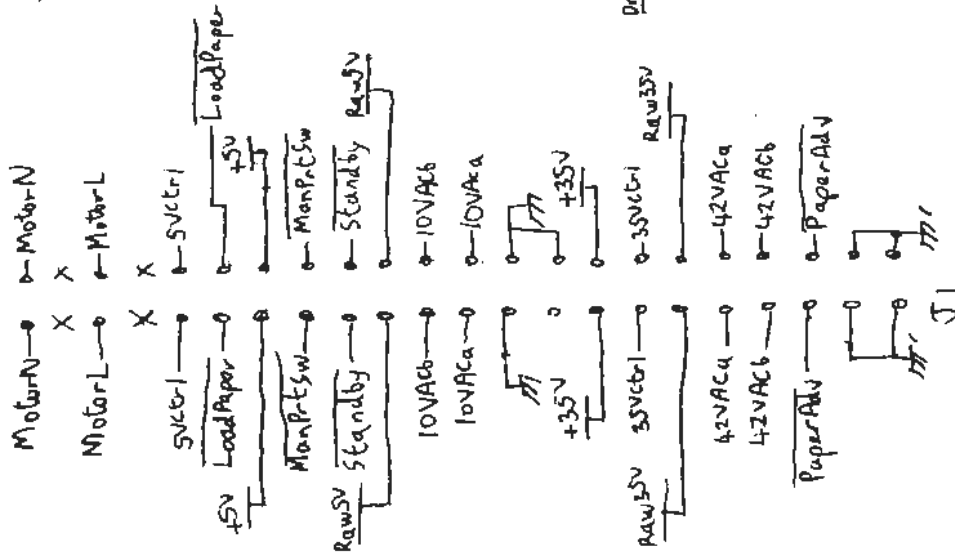
Print Cycle



Hammer Drive Comparator

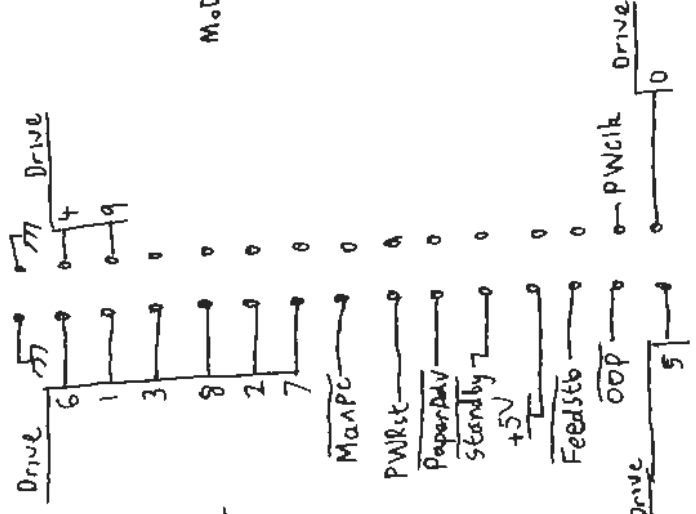
))

LHS



J1
 (Chassis Wiring)

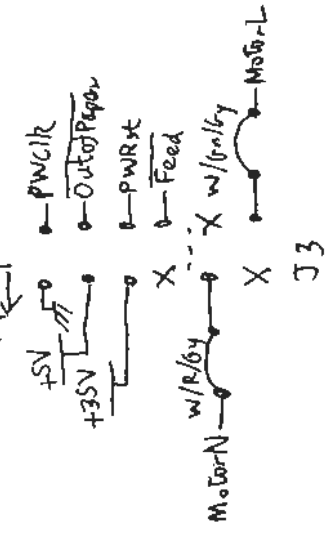
TOP RGV



J2
 (Logic PCB)

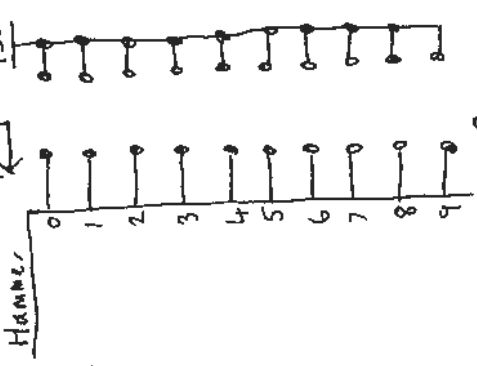
Connector 5

LHS

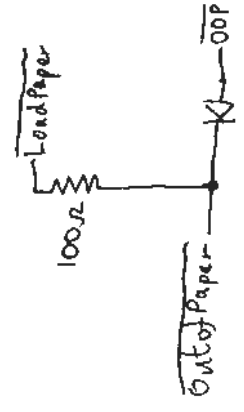
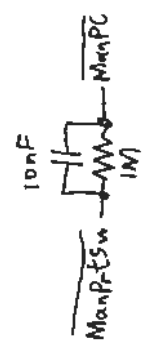


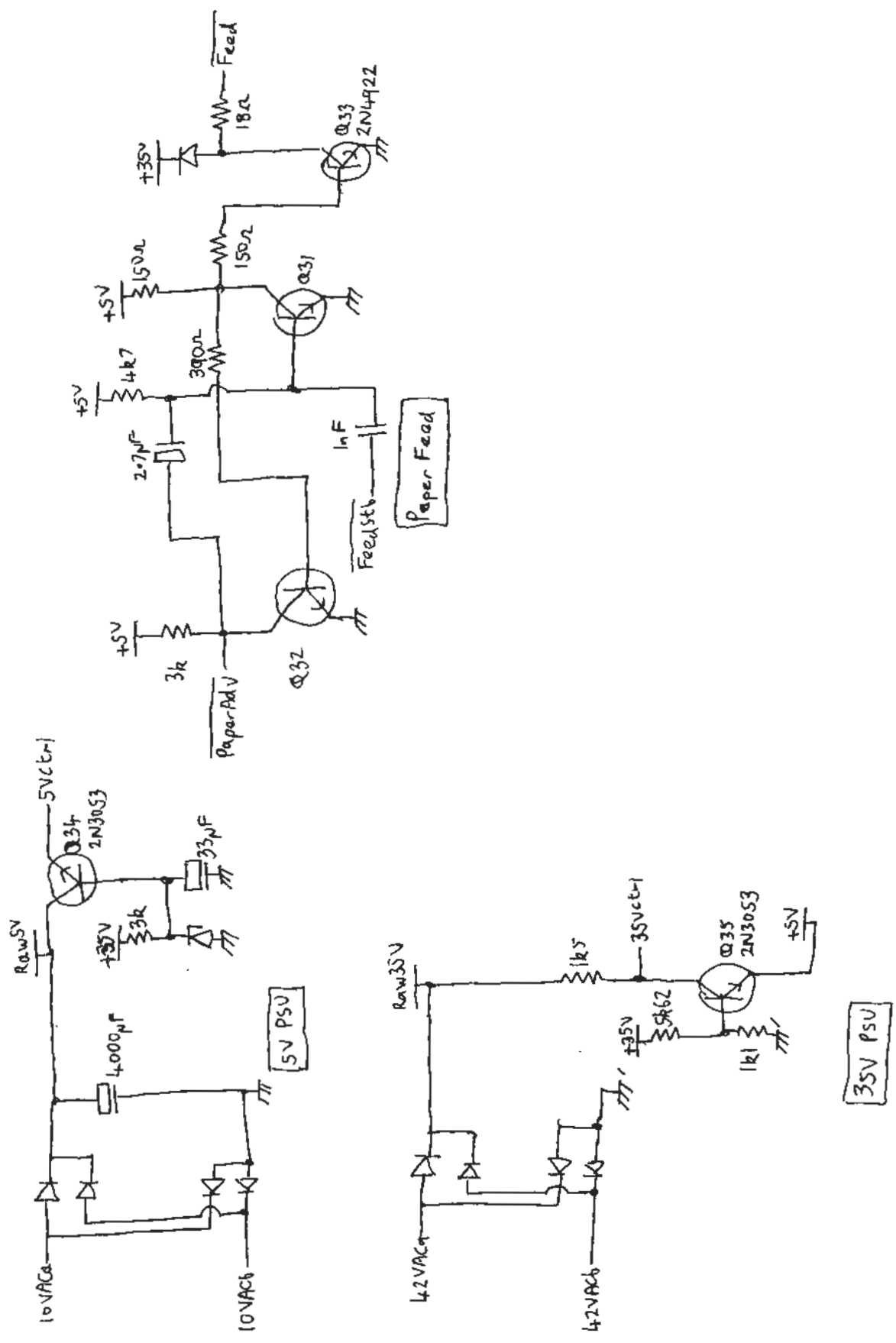
J3
 (Printer Mechanism)

LHS

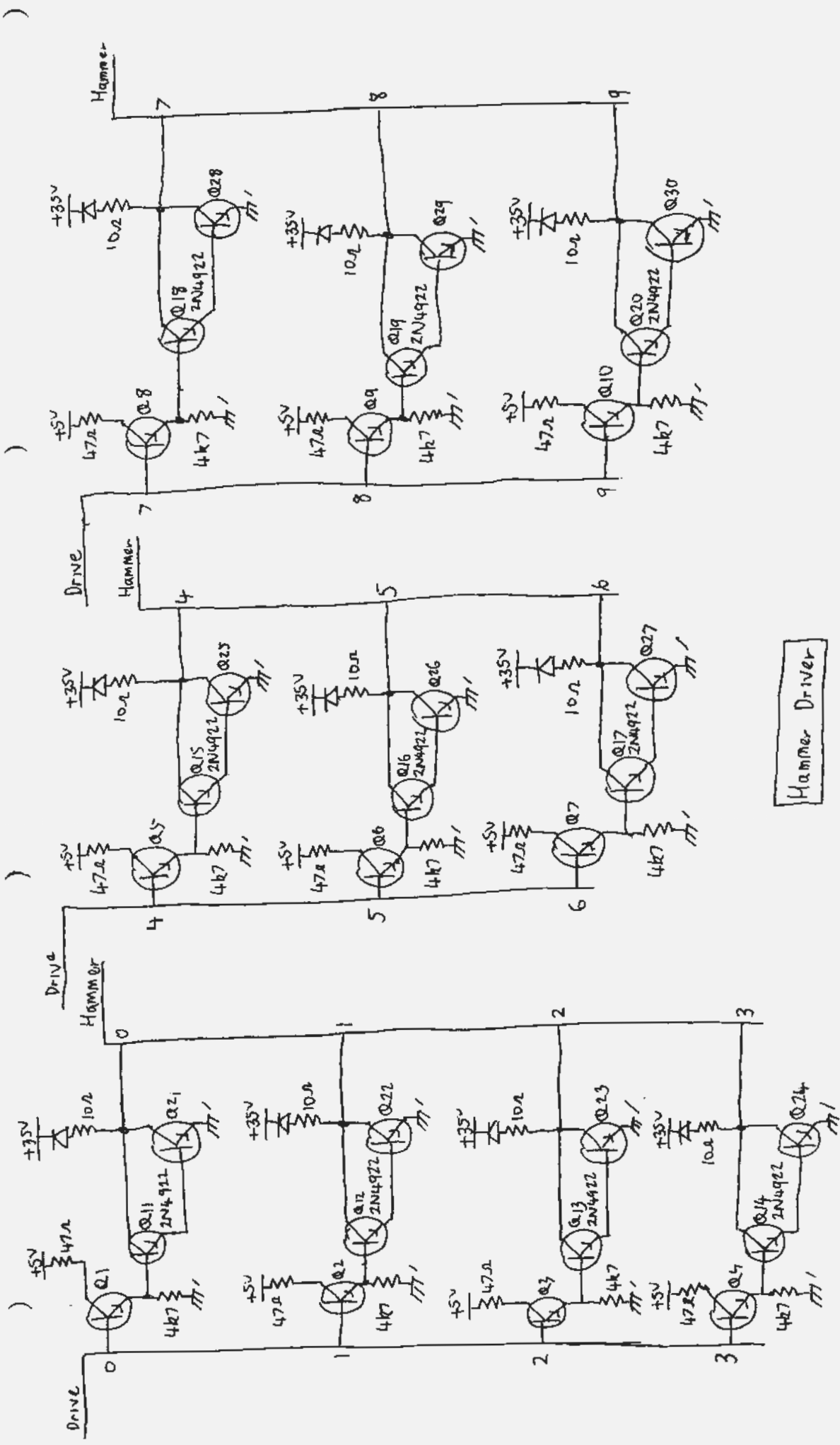


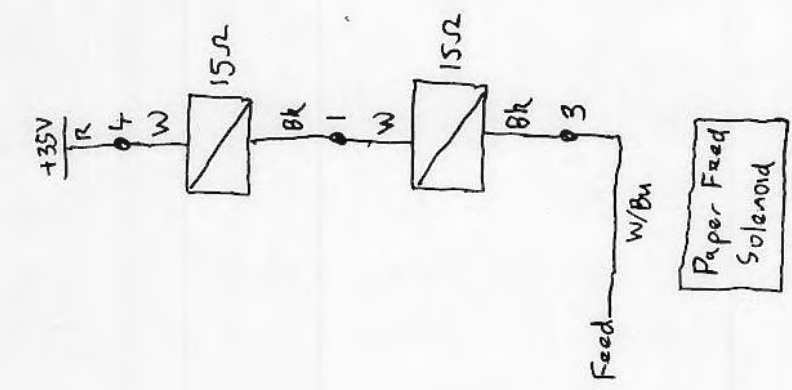
J4
 (Hammer Bank)



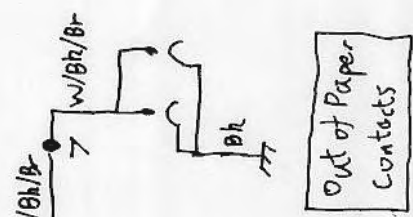
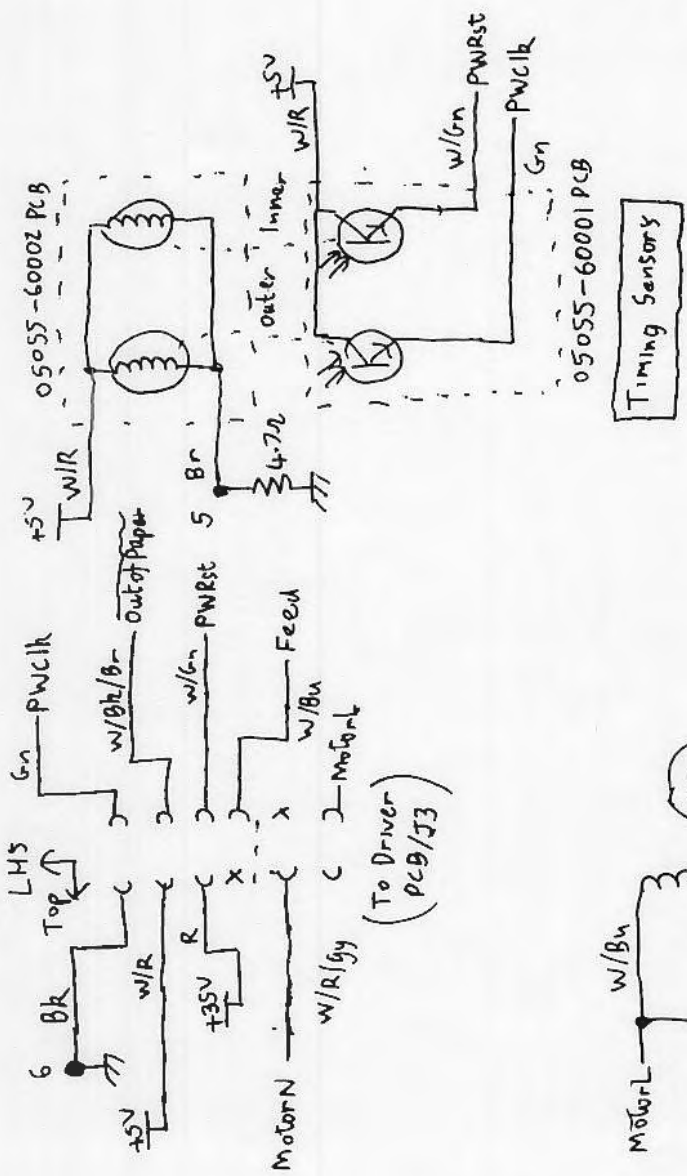


HP5055 Digital Recorder Driver PCB Sheet 2 05055-60013

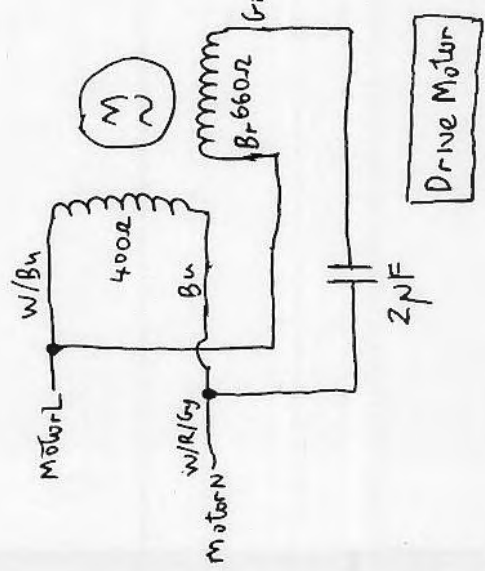




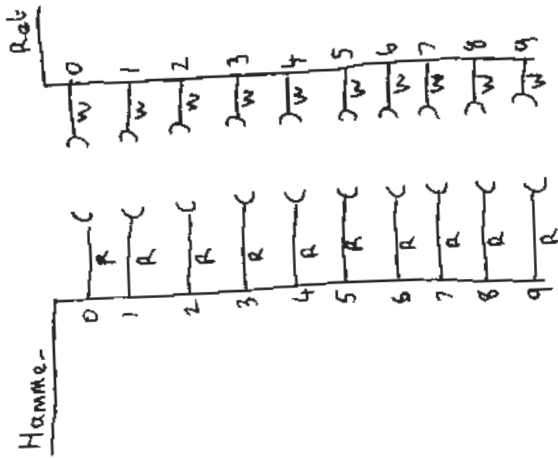
Note: Numbered terminals are on tag strip on Paper Feed chassis. Numbered with 1 at LHS



Out of Paper Contacts



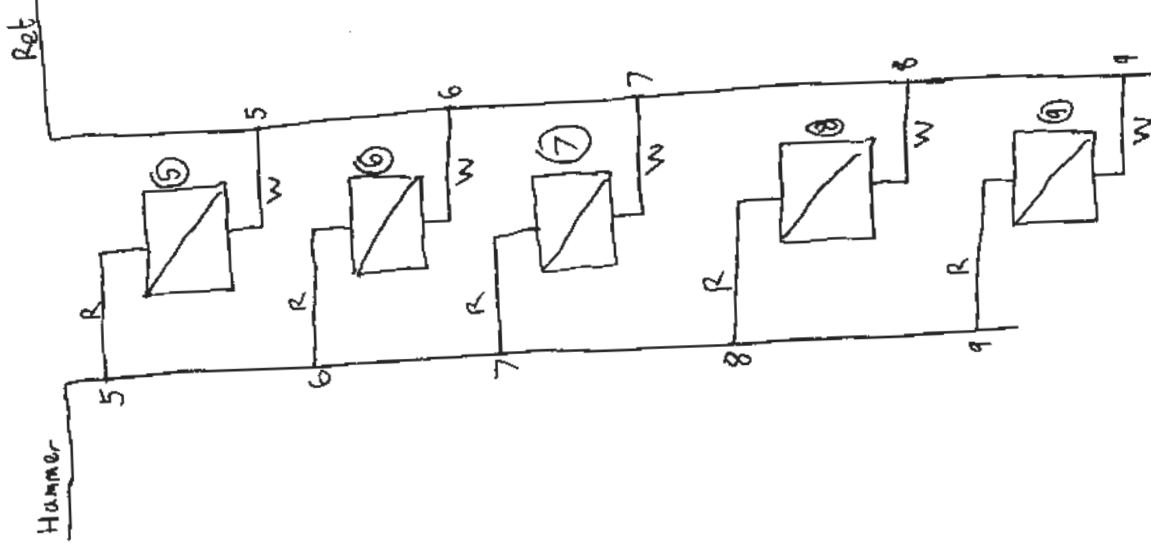
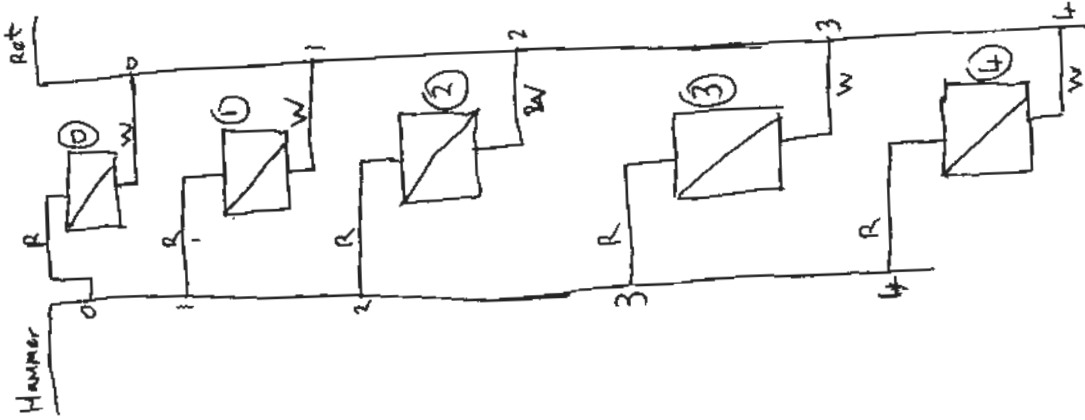
Drive Motor

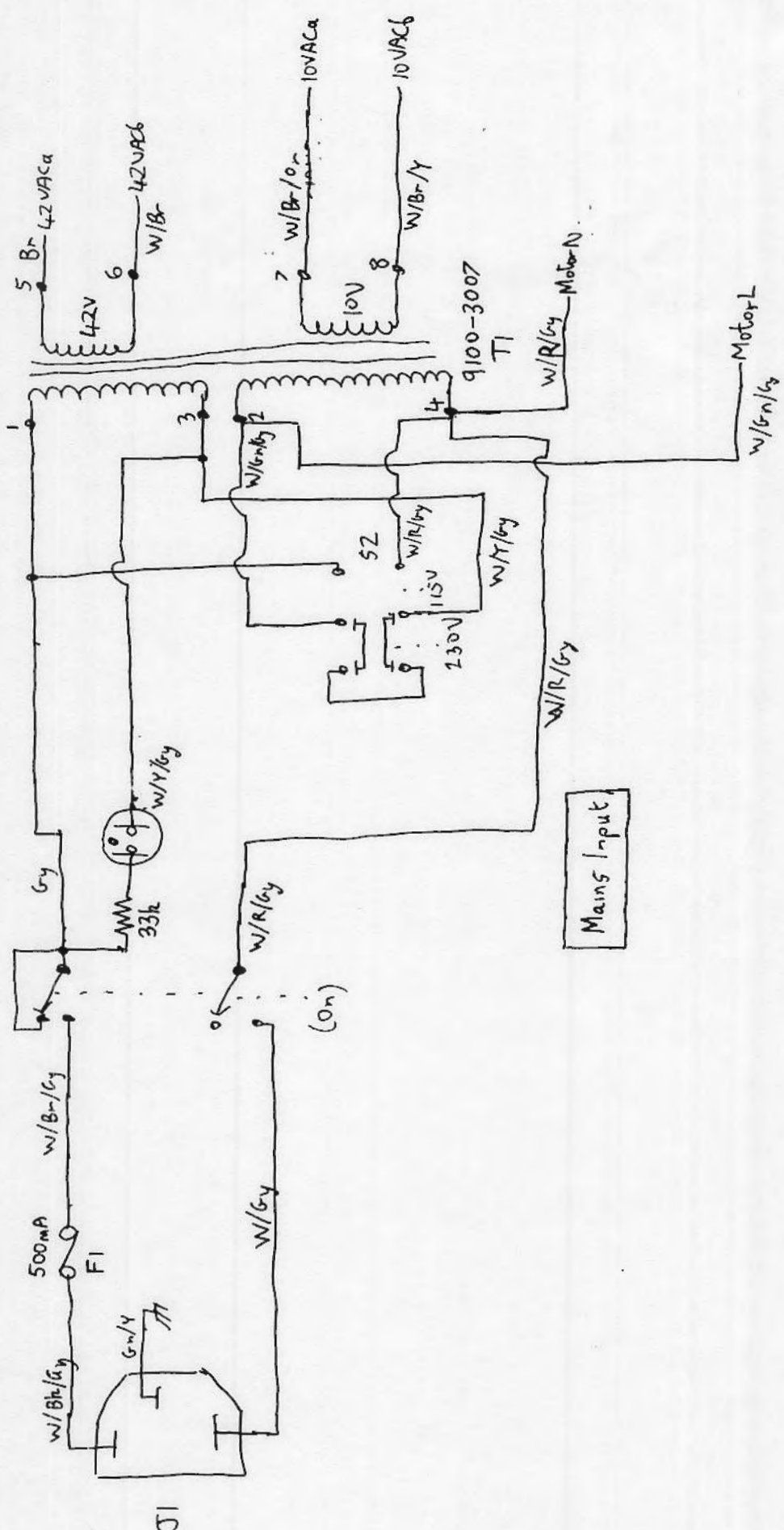


(To Driver PCB/SL)

Note: Hammer 0 on RHS

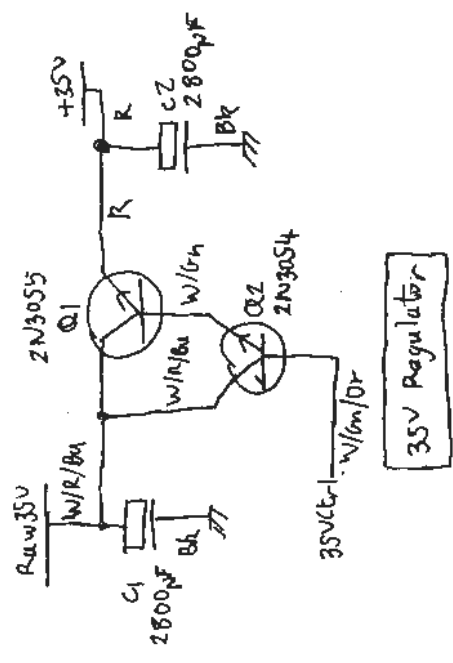
DC Resistance of Hammer Solenoids = 4 Ω



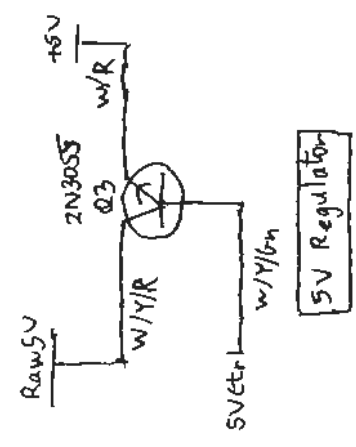


- LHS
- ↑
- w/R/Bu Motor
- X w/6m/6y Motor
- X w/4/6n 5Vctrl
- w/Bu Load Paper +5V
- w/R
- w/6n Manip
- w/6n Standby Raw5V
- w/4/R 10VACb
- w/B-r/y 10VACA
- Bk
- +35V
- R
- w/6m/or 35Vctrl Raw5V
- w/R/Bu
- B-r 42VACa
- w/B-r 42VACb
- w/y Paper Adv
- Bk

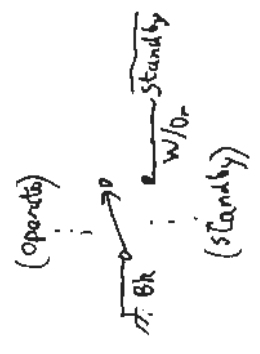
(To Driver PCB/J1)



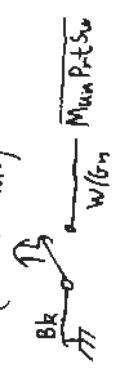
35V Regulator



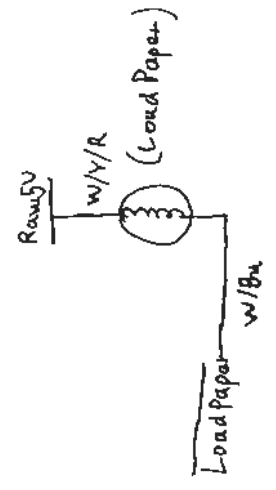
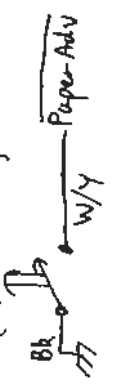
5V Regulator



(Manual Print)



(Paper Advance)



Frontpanel Controls