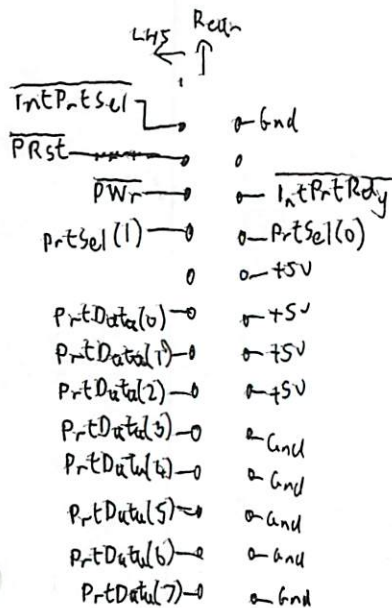


HP2623

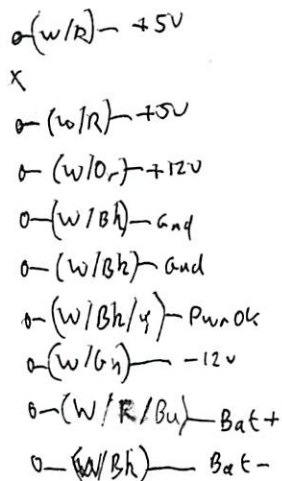
Logic PCB



J1

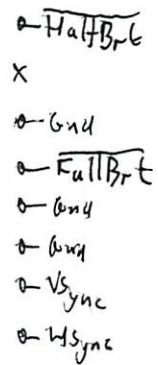
Internal Printer

Reset



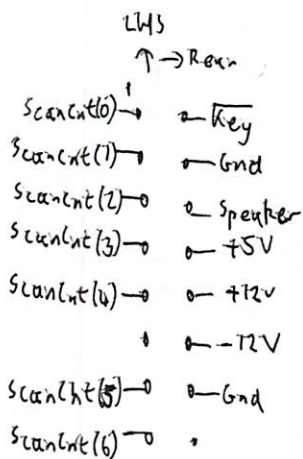
J2

PSU



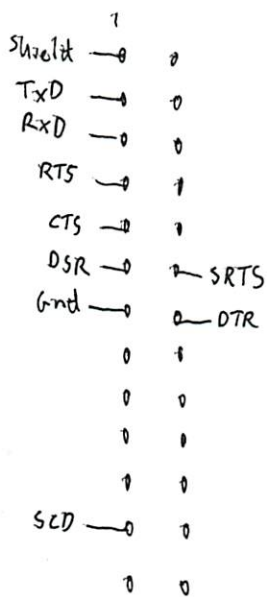
J3

Monitor



J4

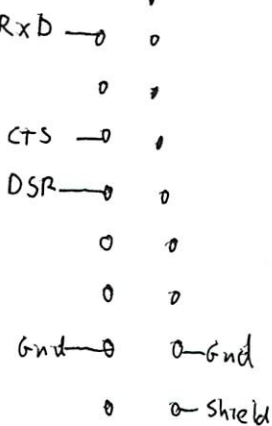
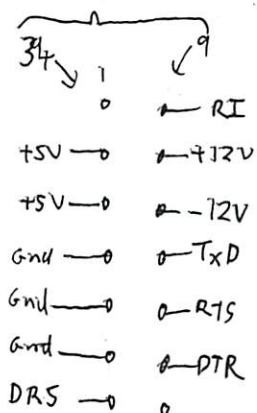
Keyboard



J5

Port 2

Microribbon Pins

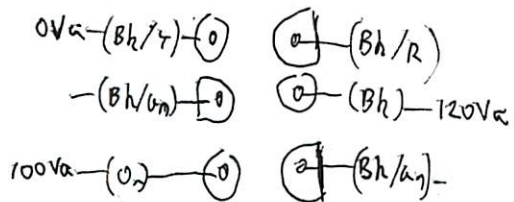


Microribbon Pins

HP2623

PSU PCB

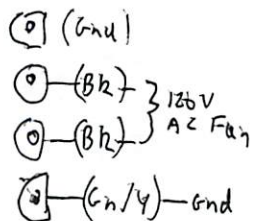
J1 \uparrow Top
LHS



(J2 \uparrow Bottom
RHS)

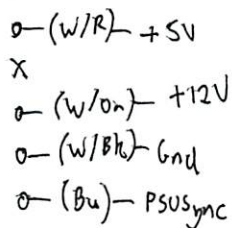
Transformer
Primary

LHS
 \uparrow



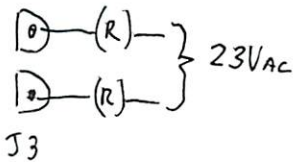
J4
Fan

Top
 \uparrow



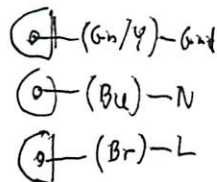
J6
Monitor
Power

Top
 \uparrow

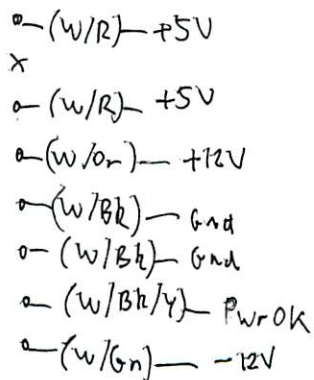


J3
Transformer
Secondary

LHS
 \uparrow



J5
Mains In



J7
Logic
Power

HP2623

Monitor PCB

Top
↑

o (W/R) - +5V
X
o (W/V_R) - +12V
o (W/Bk) - Gnd
o (Bu) - PSW_{sync}

J1
(Power)

o H₄13B7E
X
o Gnd
o Full Balc
o Gnd
o (W/Bk) - Gnd
o (Pu) - V_{Sync}
o (Bu) - H_{Sync}

J2
(Logic)

o (Gr) - A1 - (6)

X
o (Bu) - A2 (Focus) - (7)

o (W/Bk) - Gnd - Day Earth
o (Gr) - grid - (1)
o (Gr) - Gnd - (4)
o (Bk) - +12V - h - (3)
o (Pu) - cathode - (2)

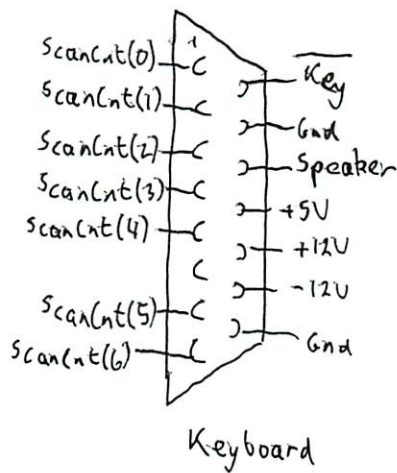
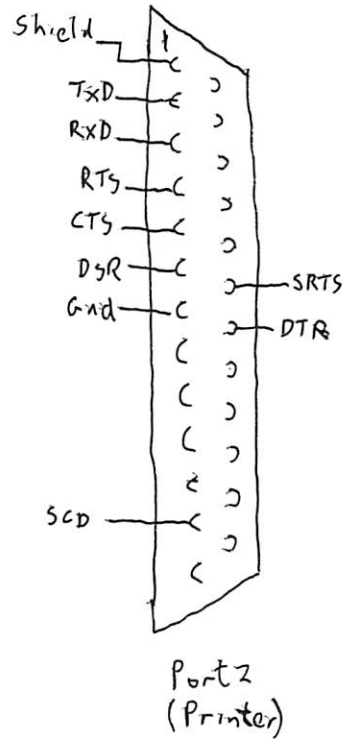
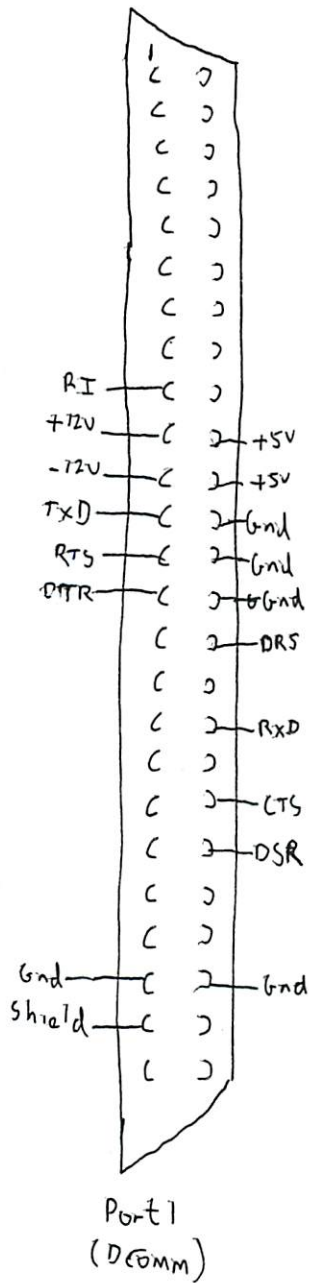
J3
(CRT)

Vertical
~ 6.5Ω
o (R) - 3 X
o (Bu) - 4 X

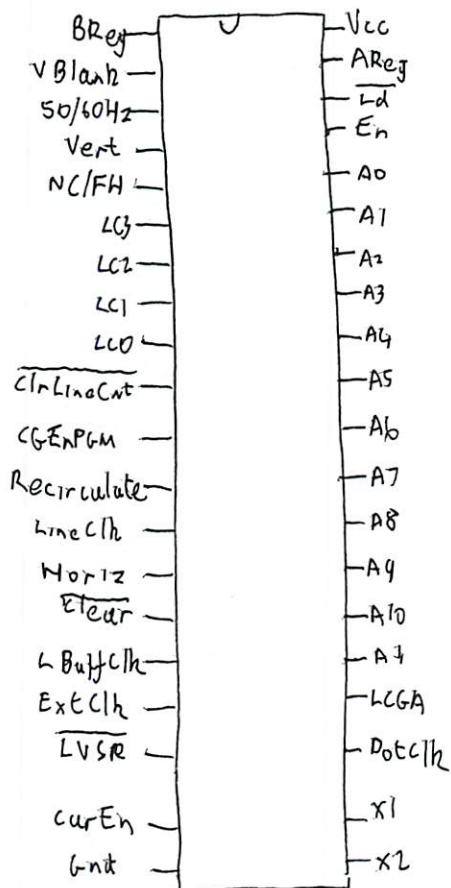
1
o (Bk) - Horizontal
o (W) - ~ 0.4Ω
4

J4
(Yoke)

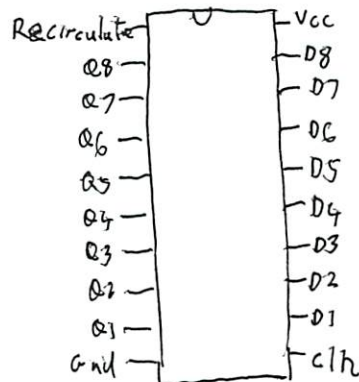
HP2623 External Connectors



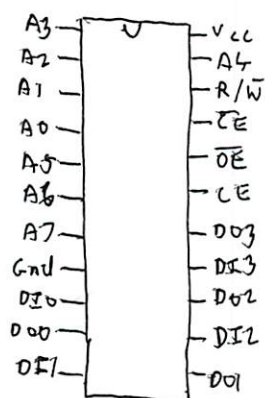
HP2623



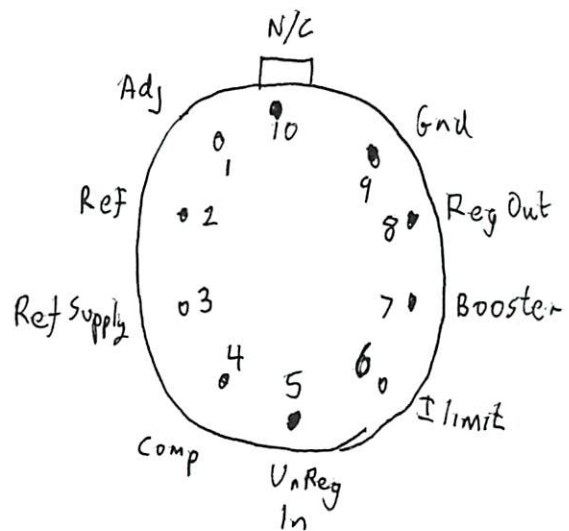
1820-2961
(Programmed DP8350)
Video Controller



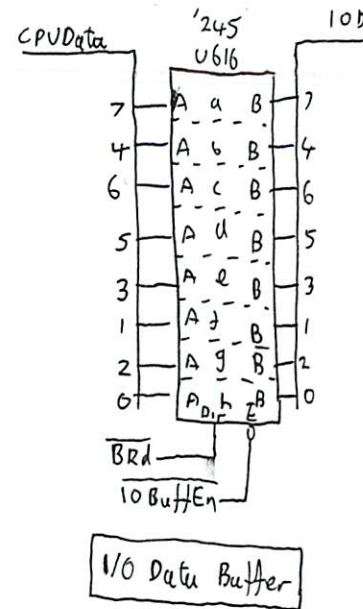
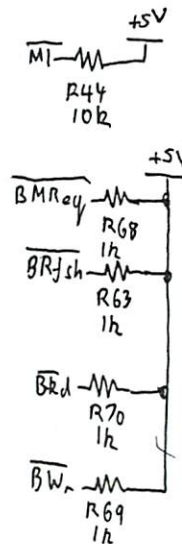
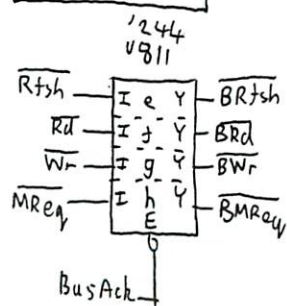
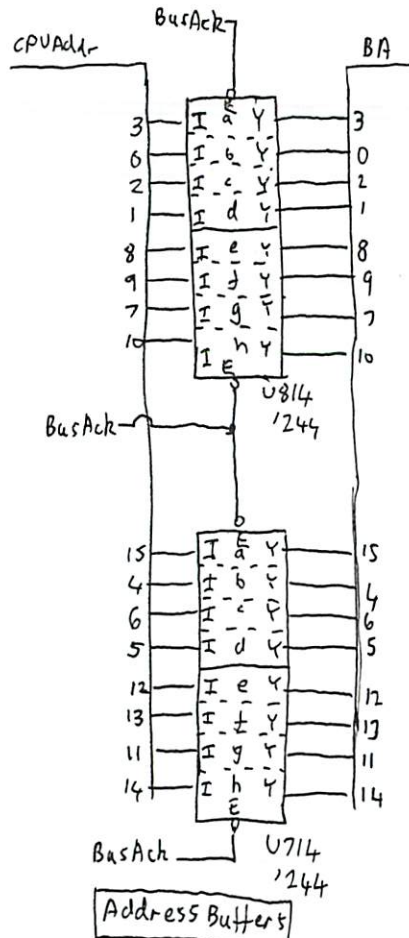
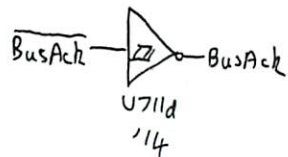
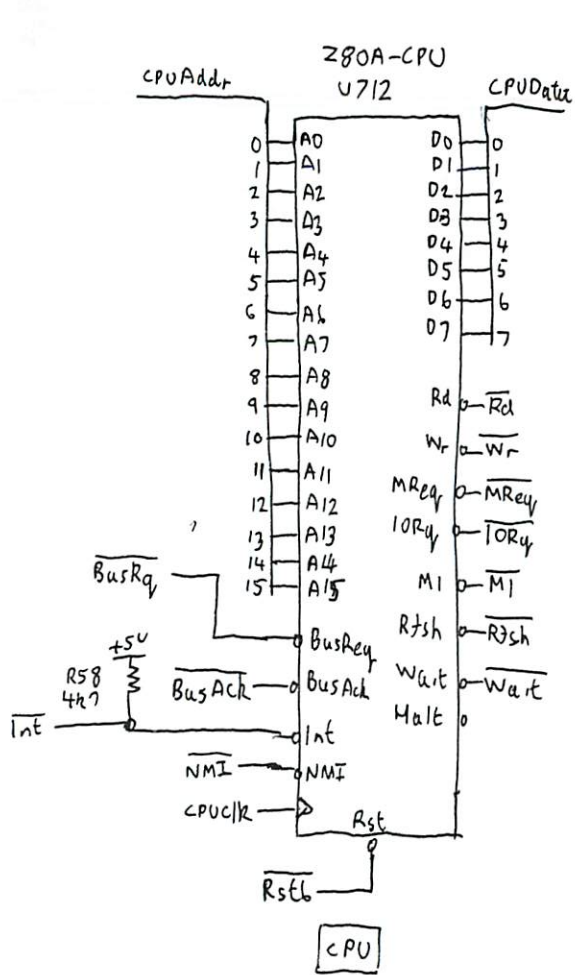
MMS035
1820-2416
Octal 80 bits
Shift Register

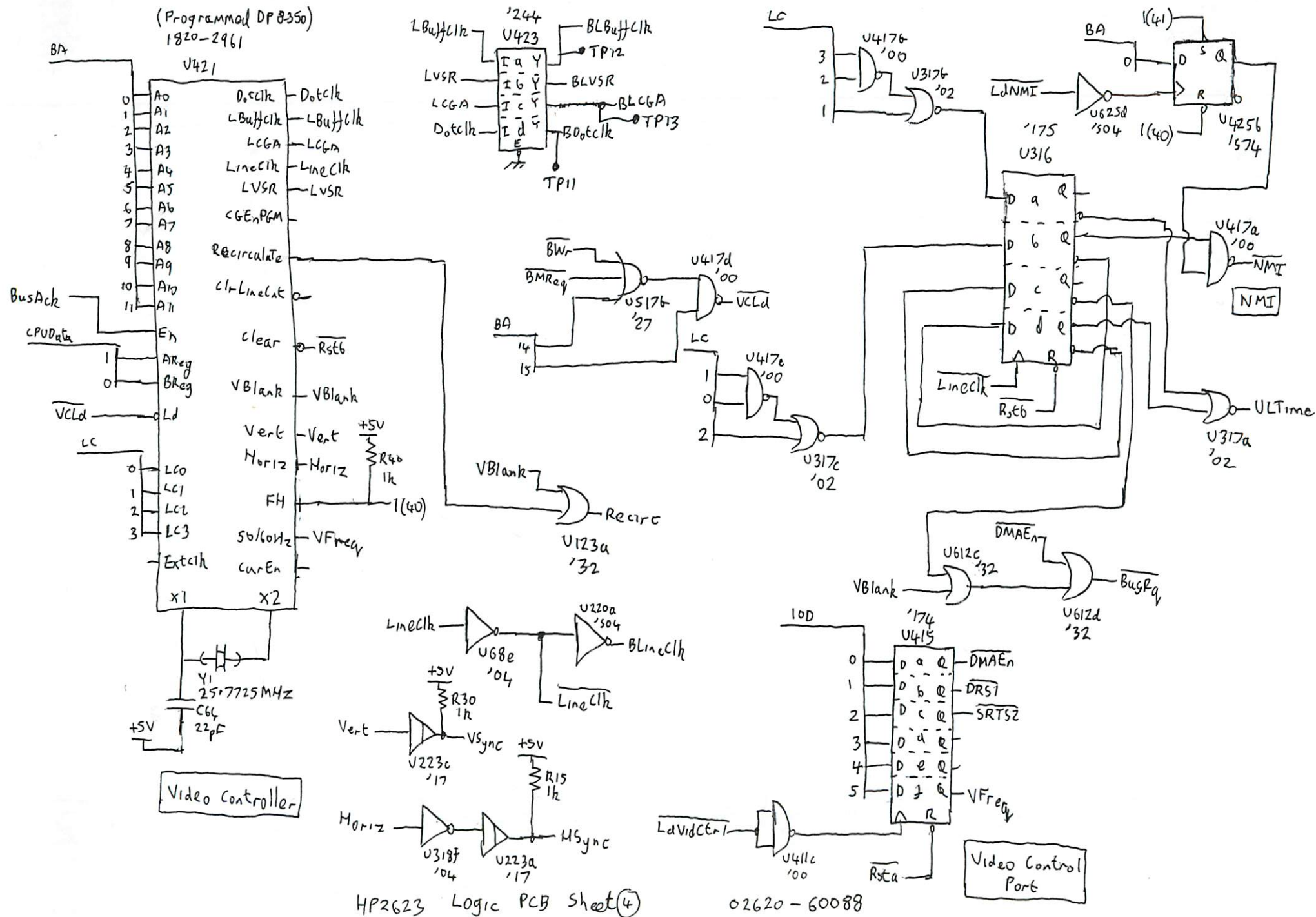


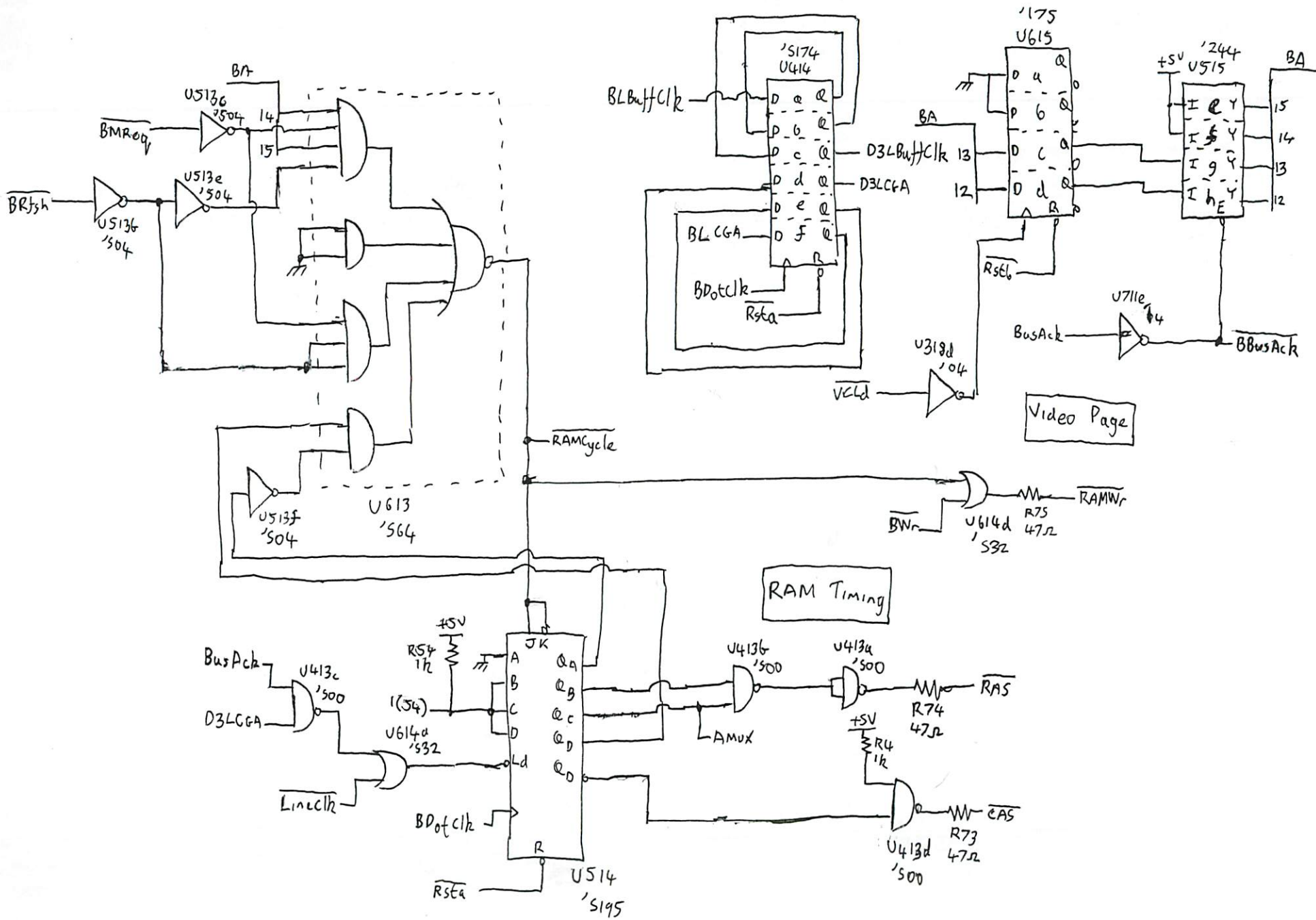
5101
1818-0693
256x4 CMOS
RAM

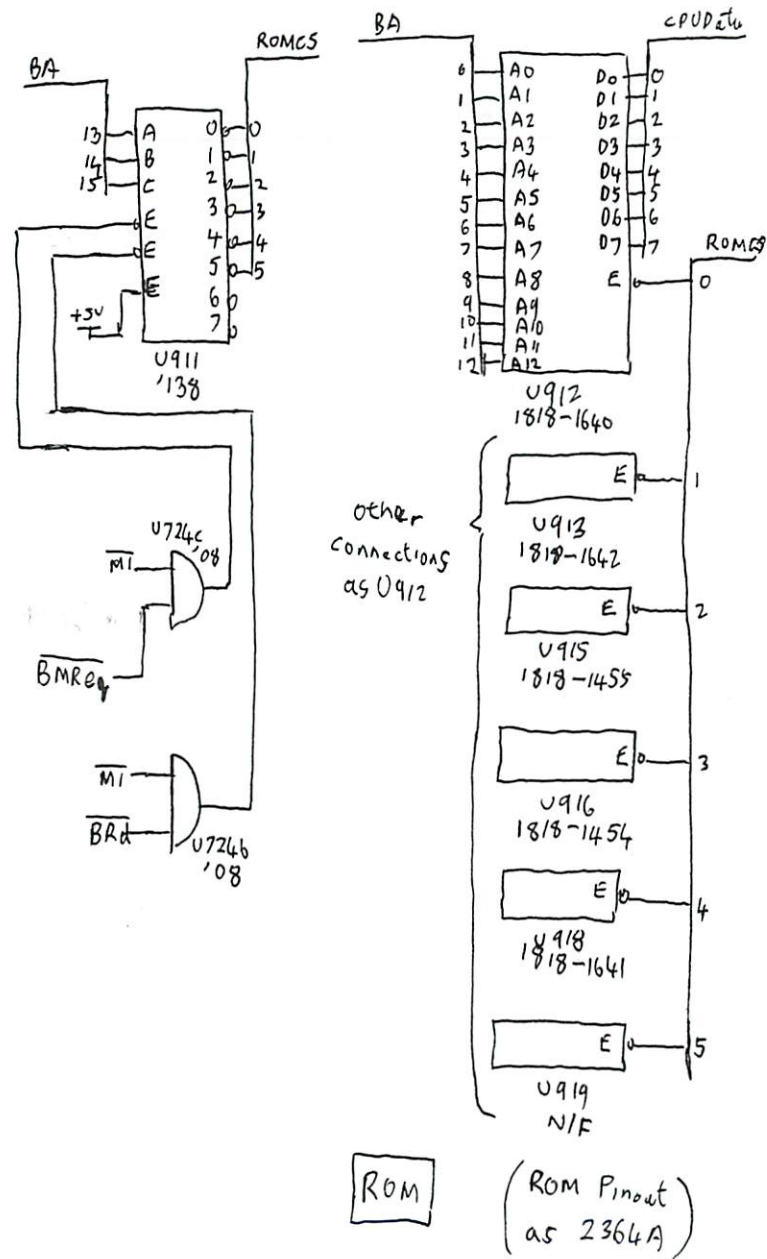
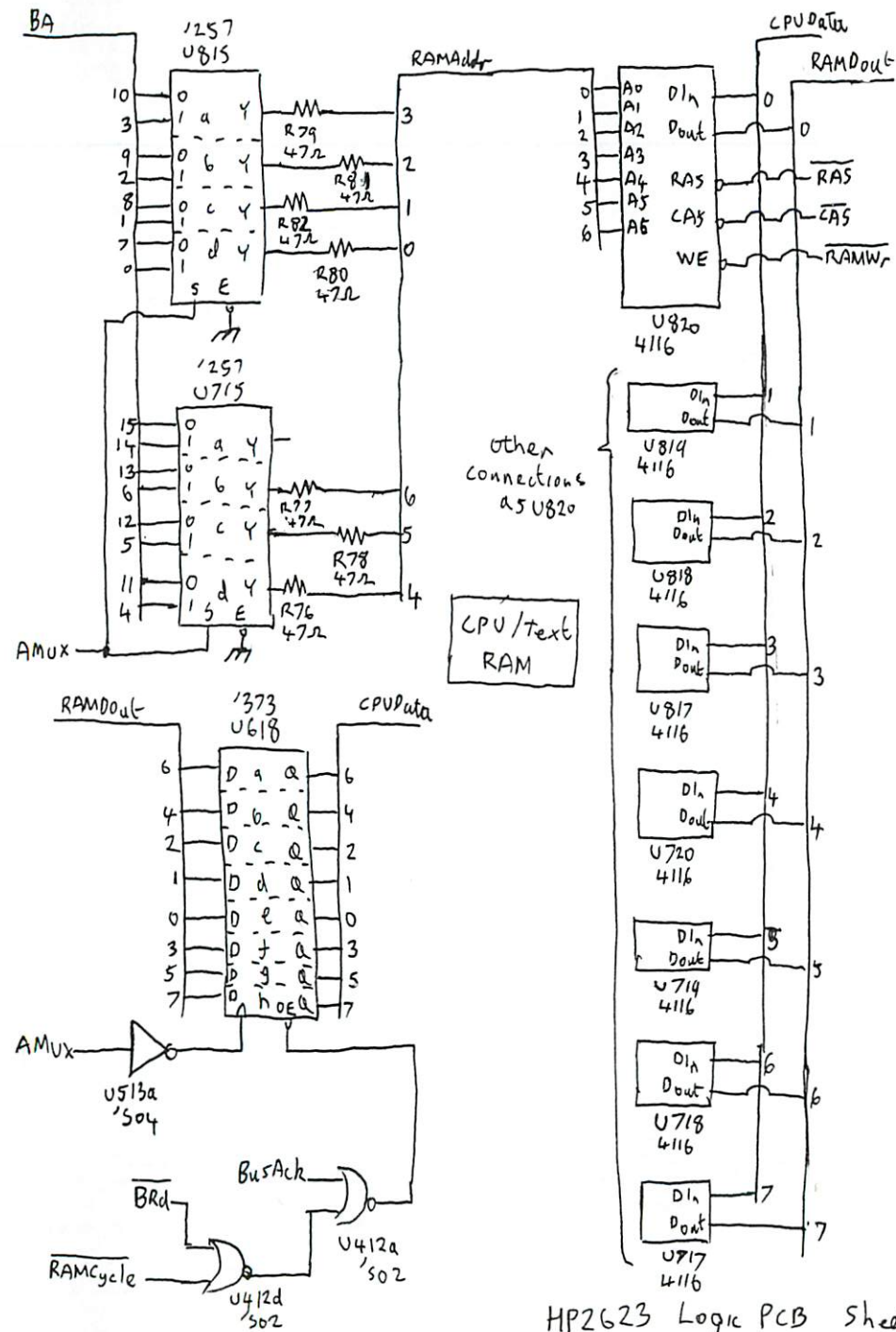


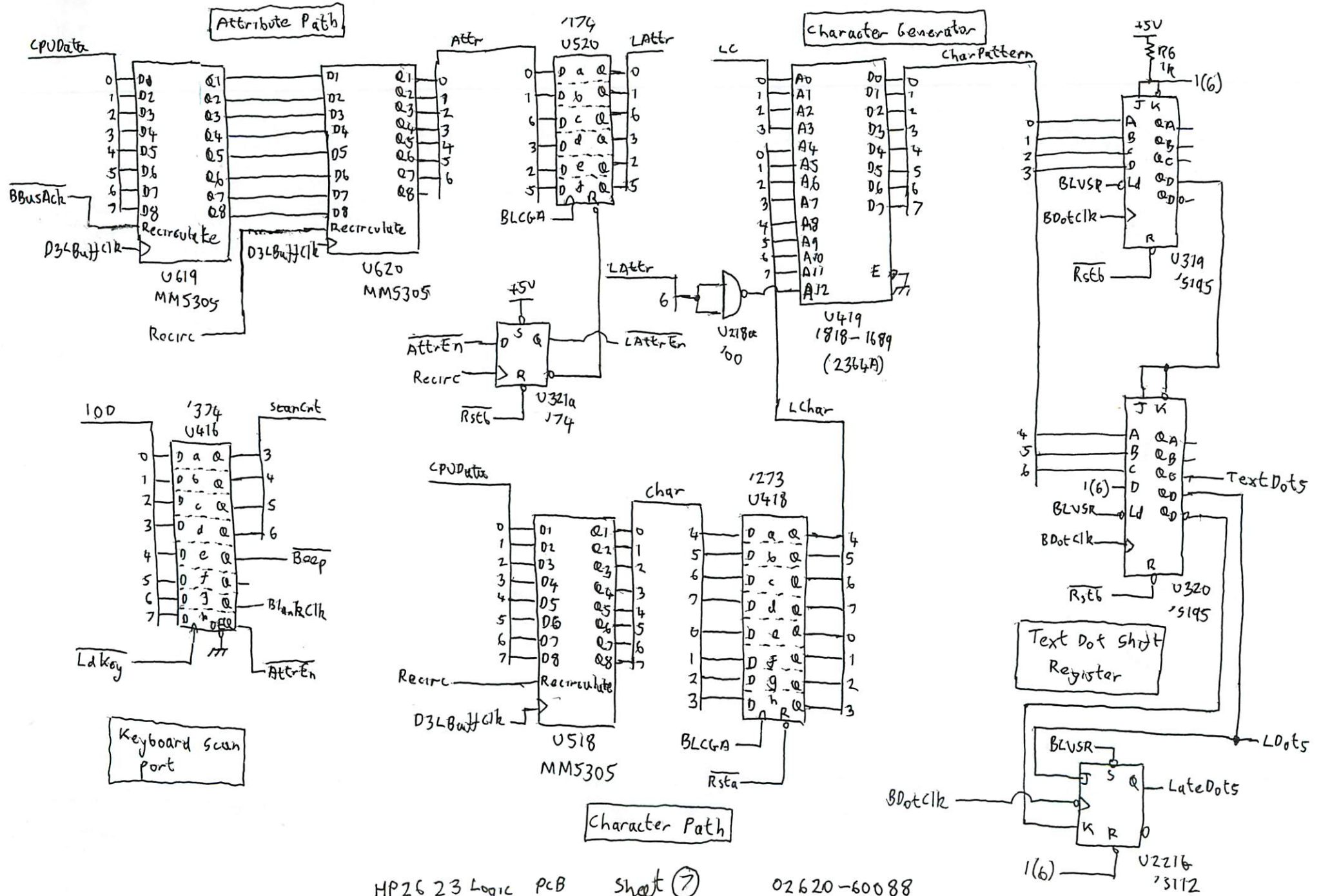
LM304 -VE Regulator

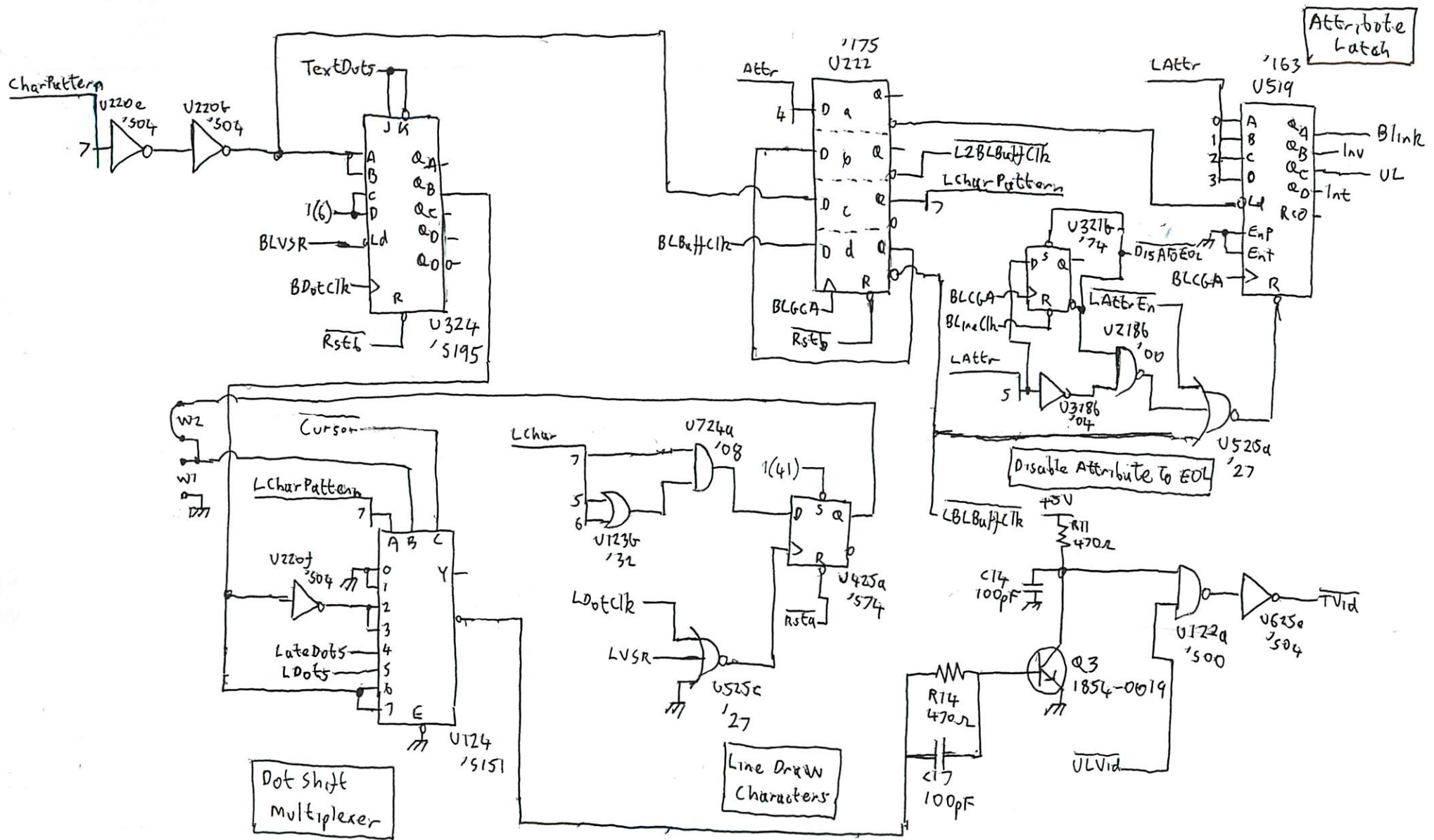


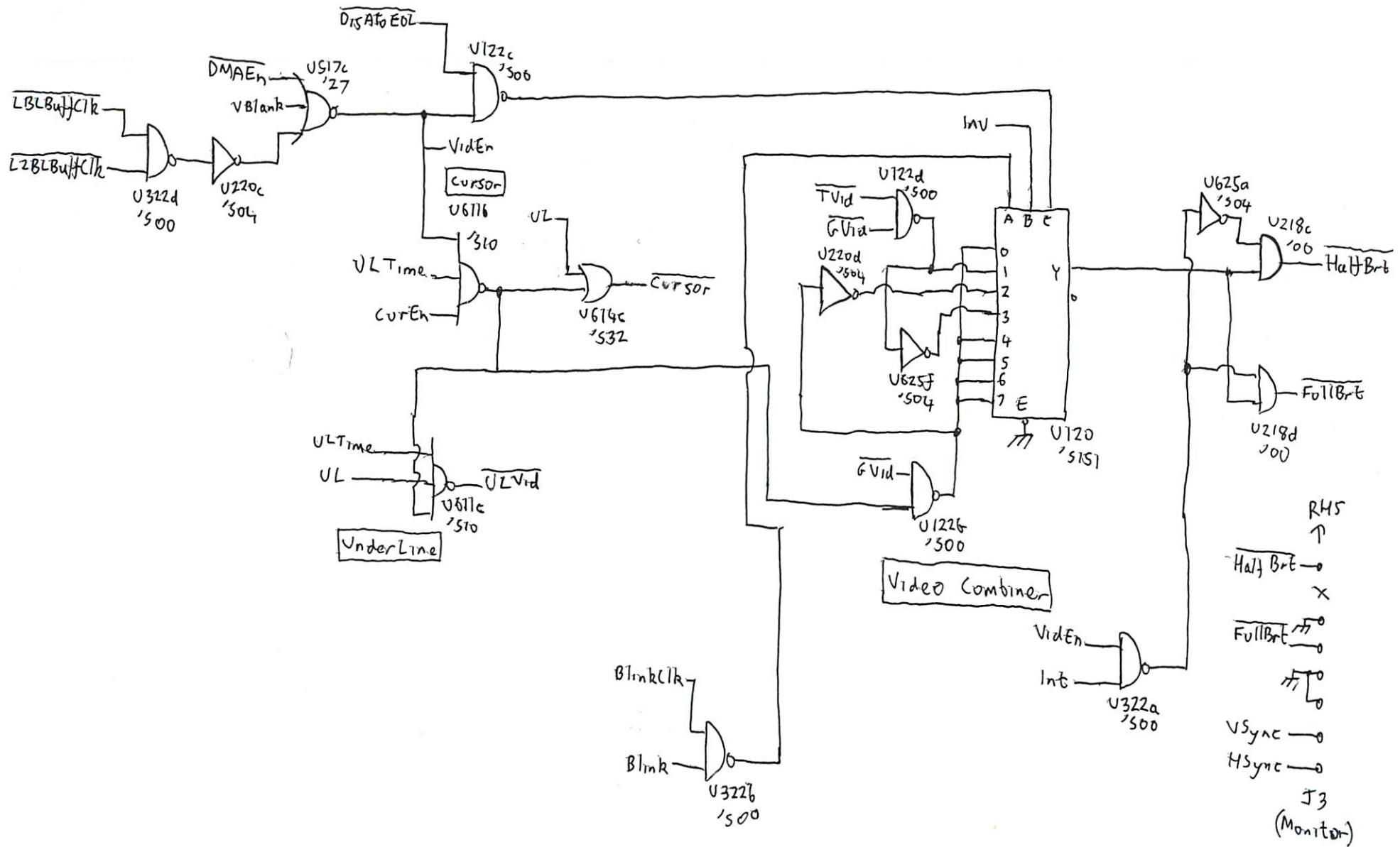


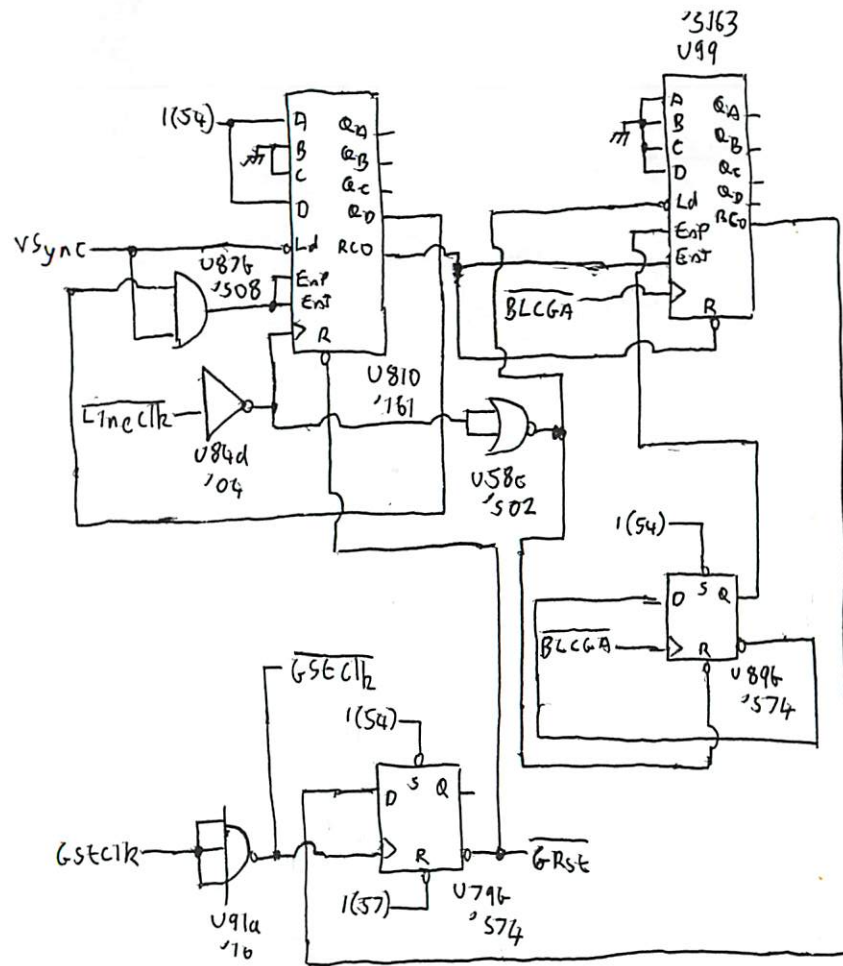




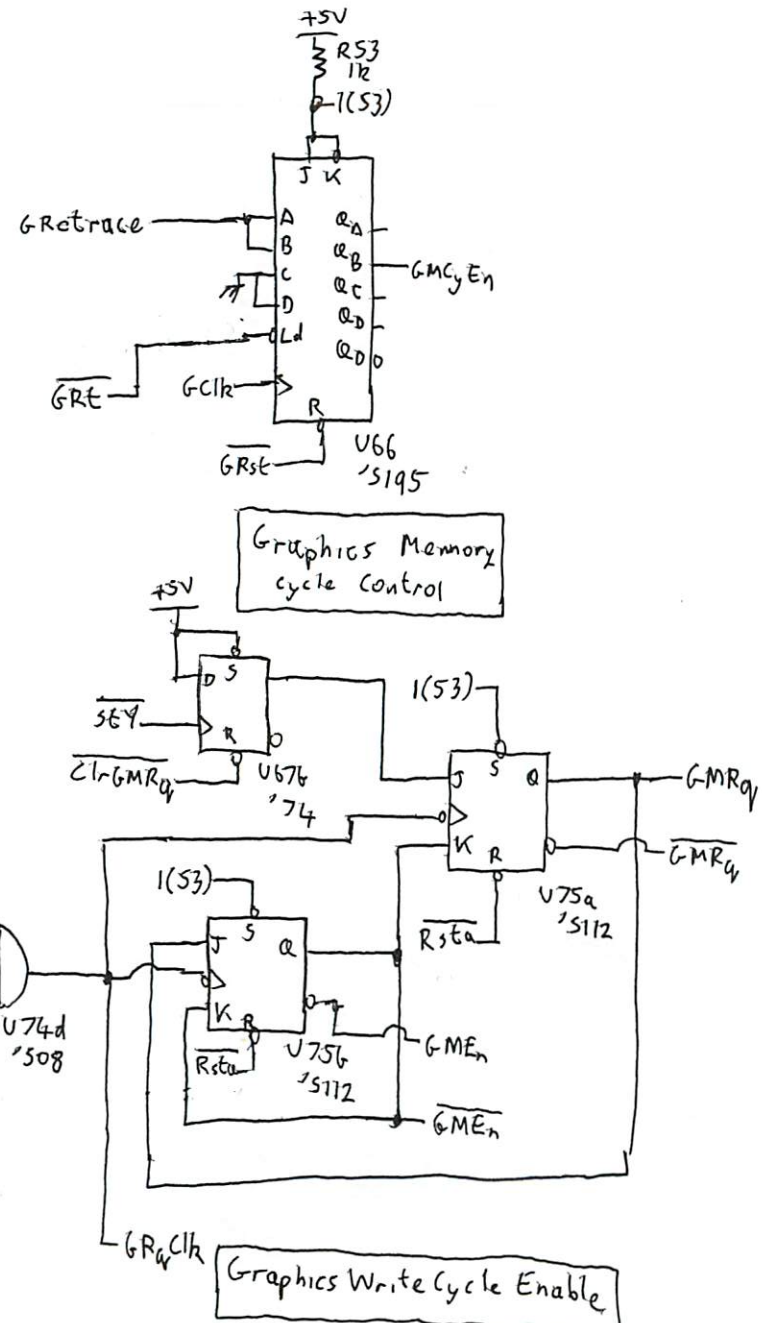
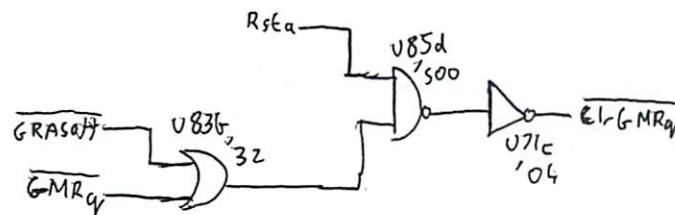




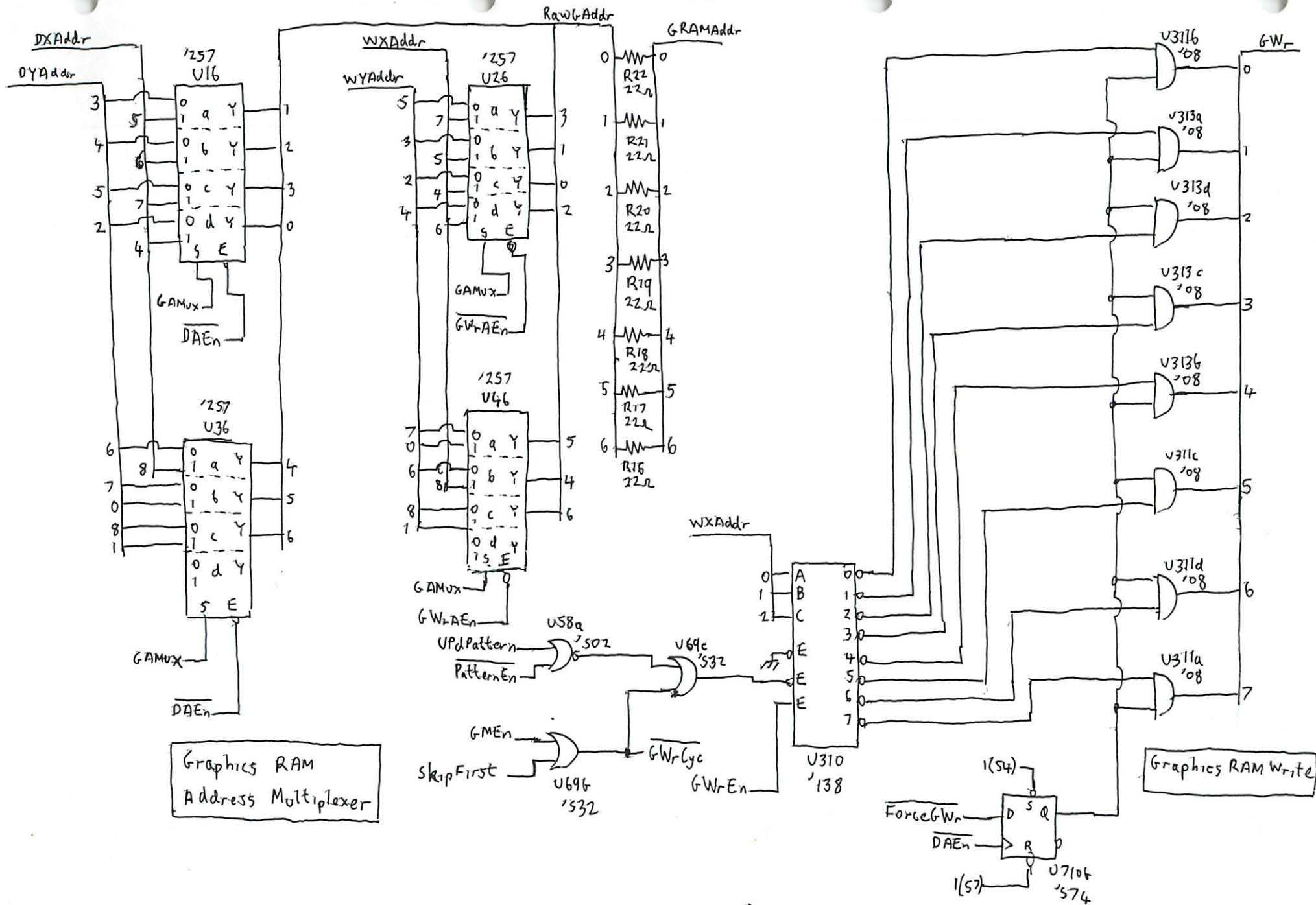


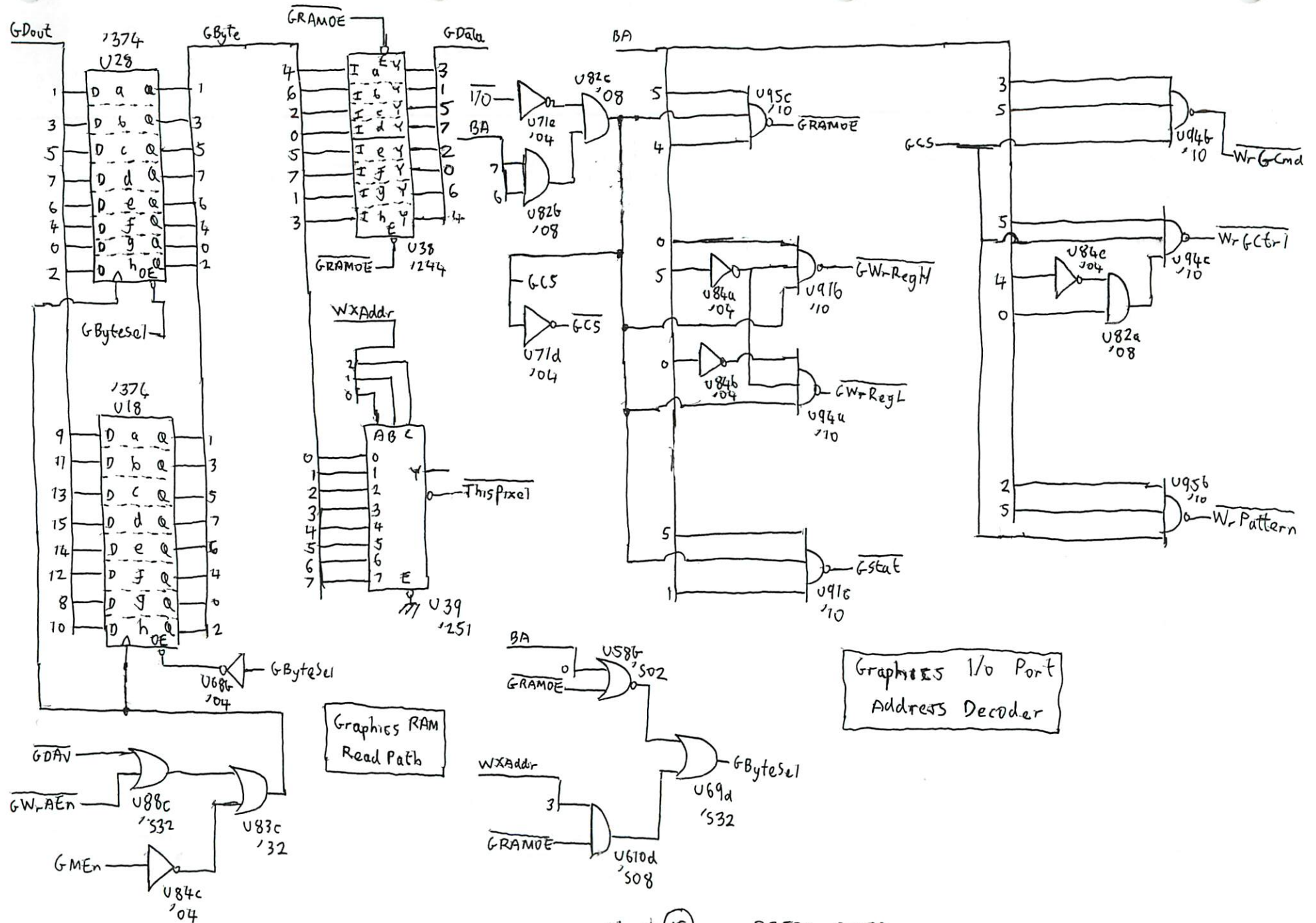


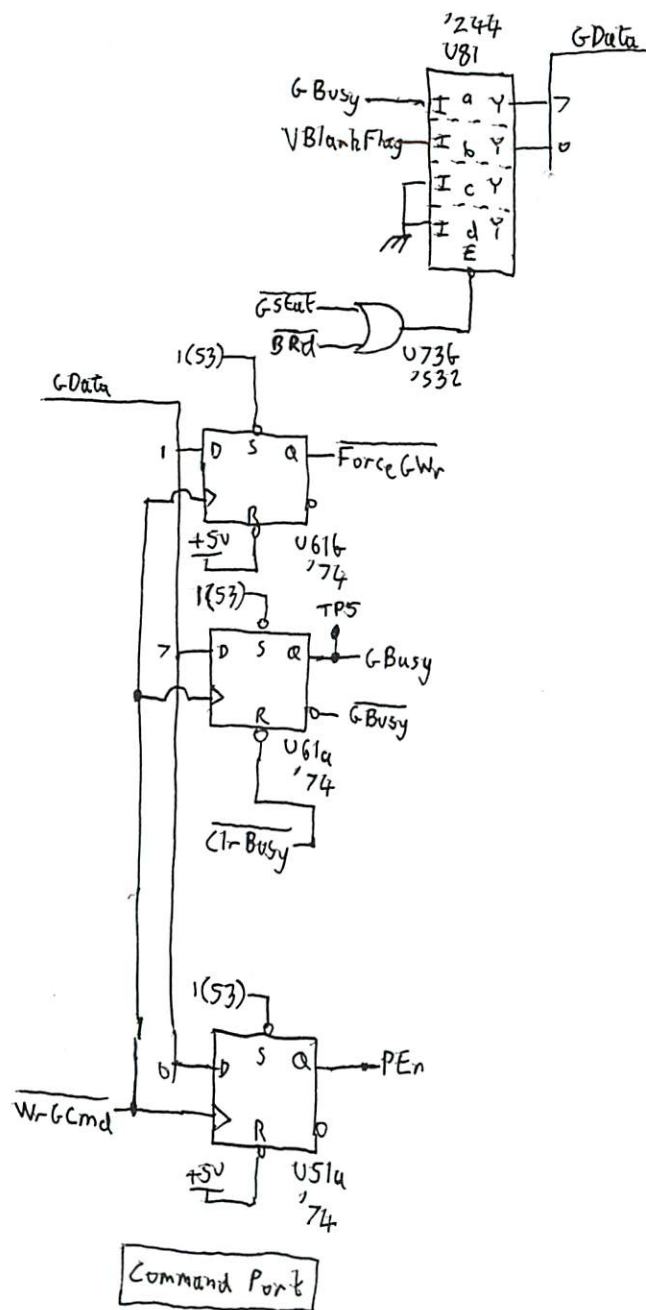
Graphics Start

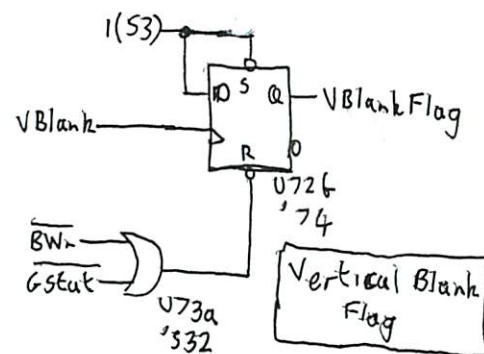
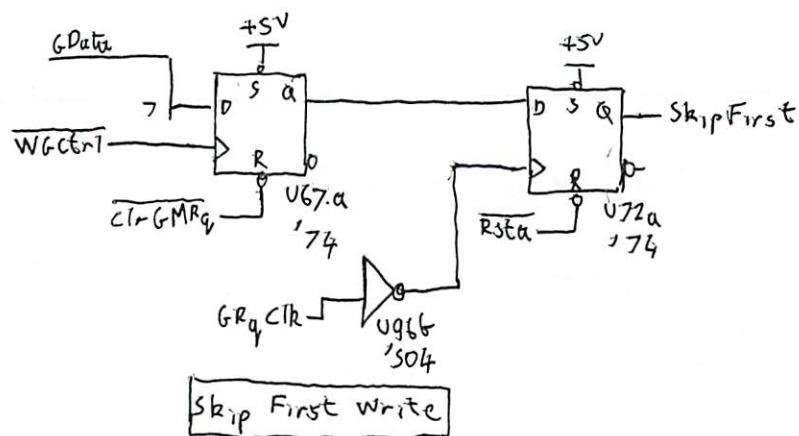
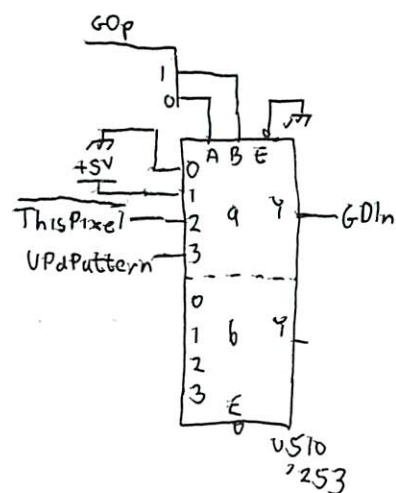


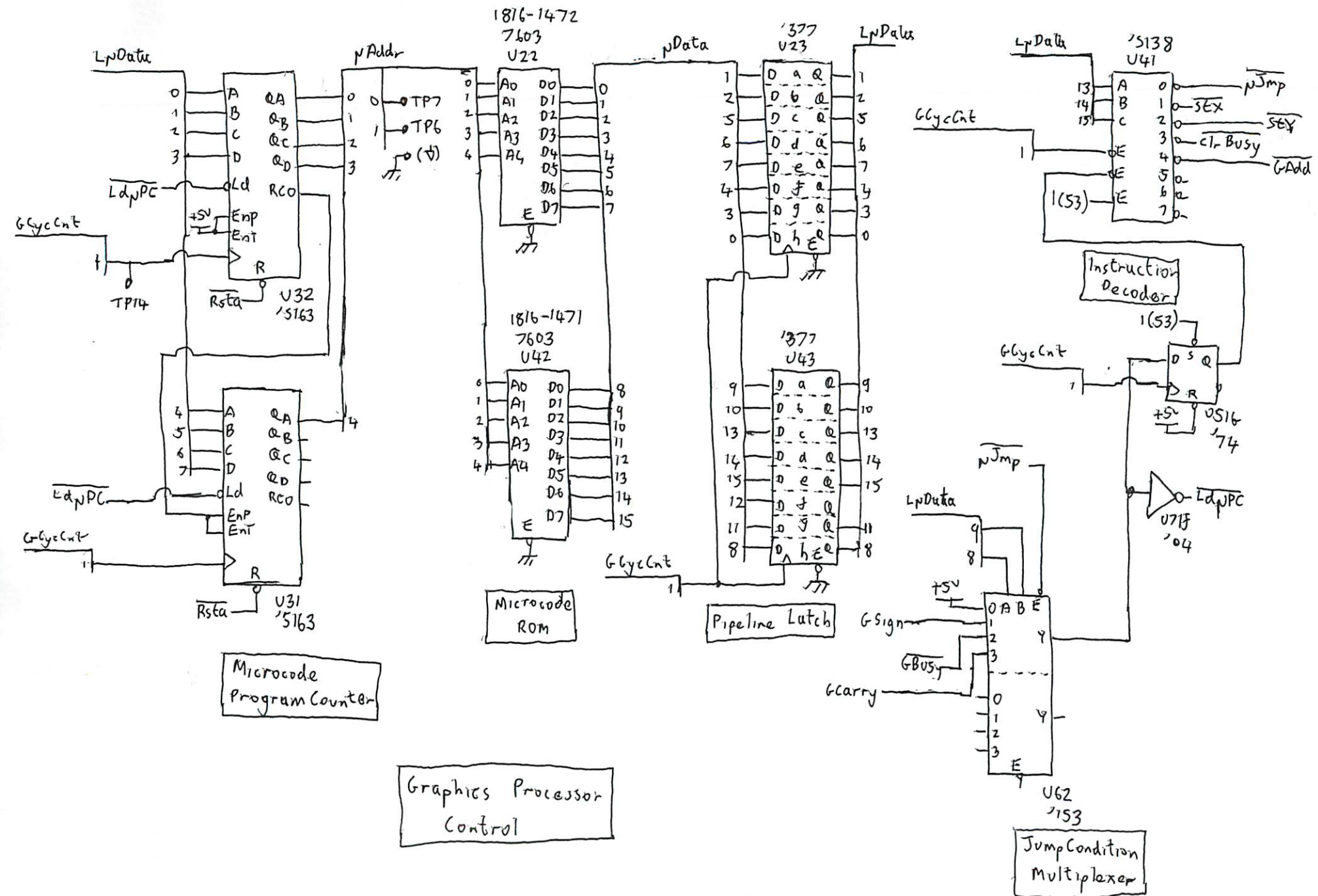
Graphics Write Cycle Enable

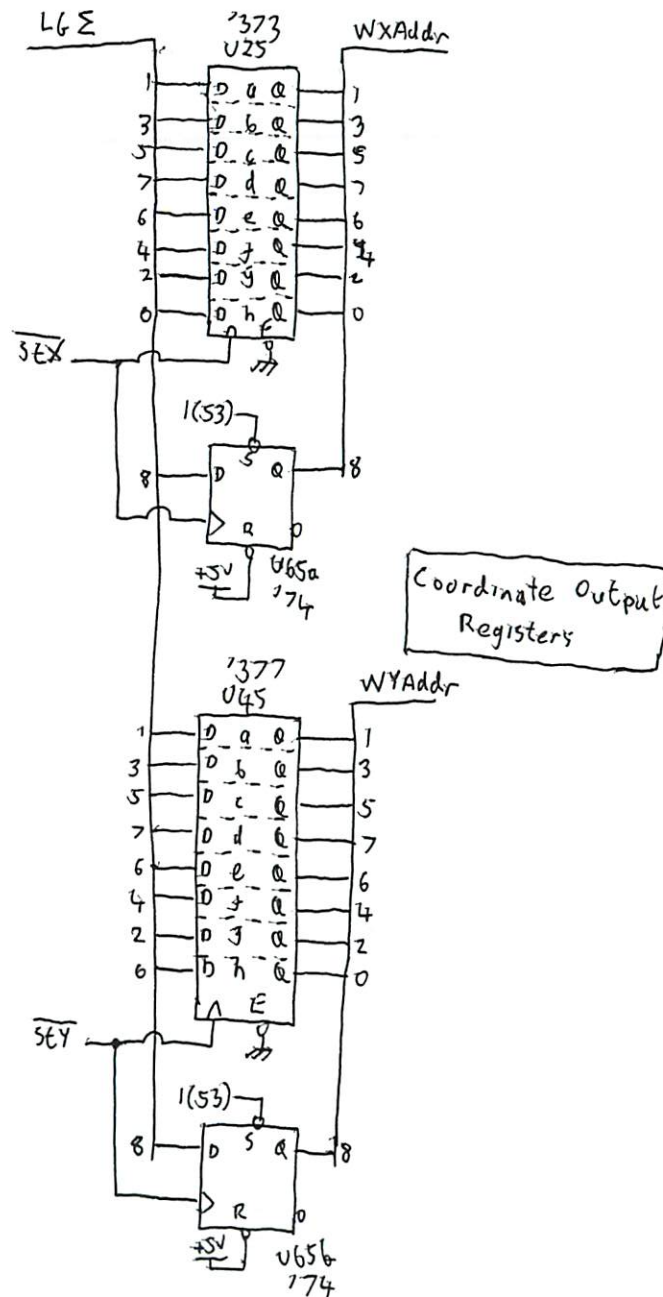
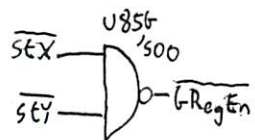
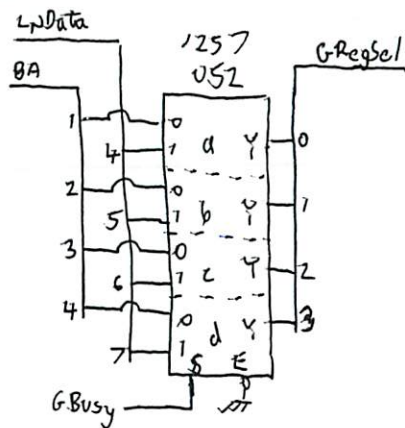
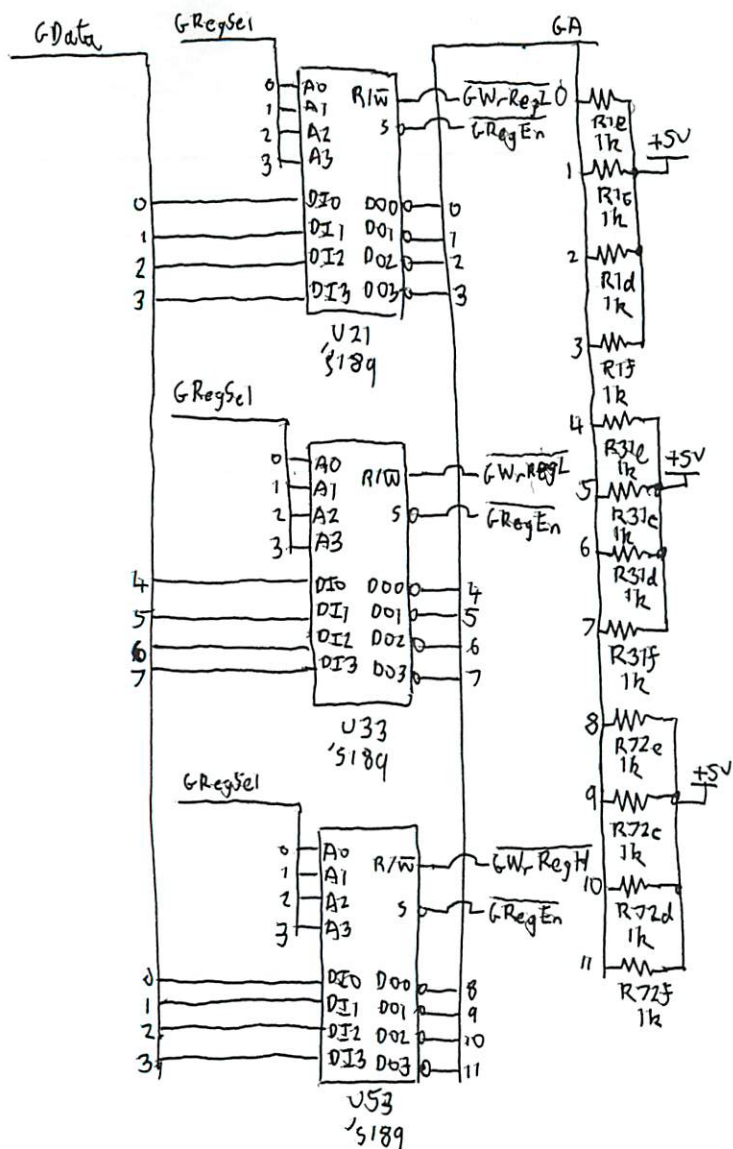


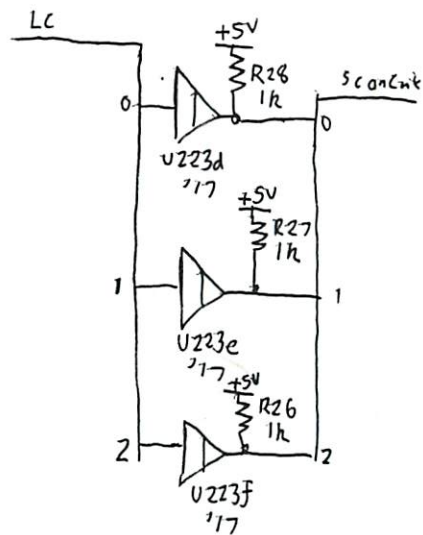
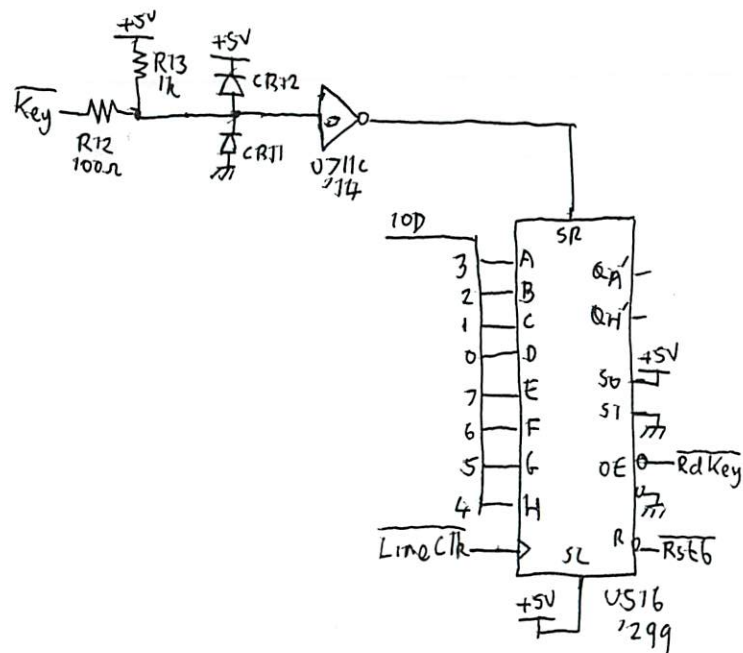
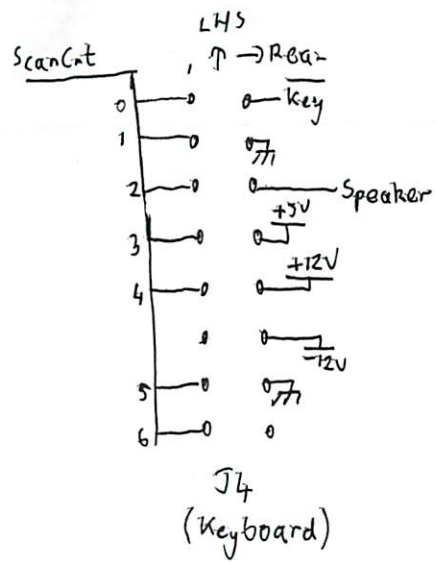




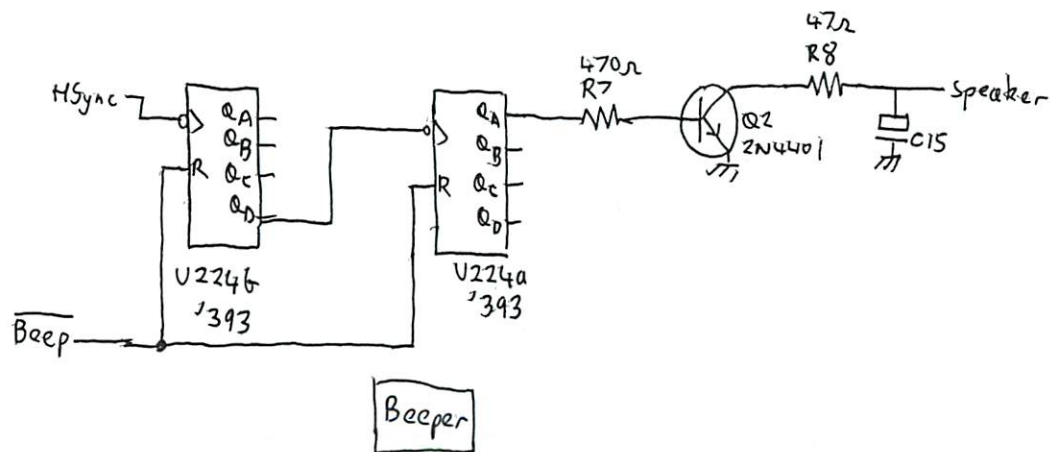


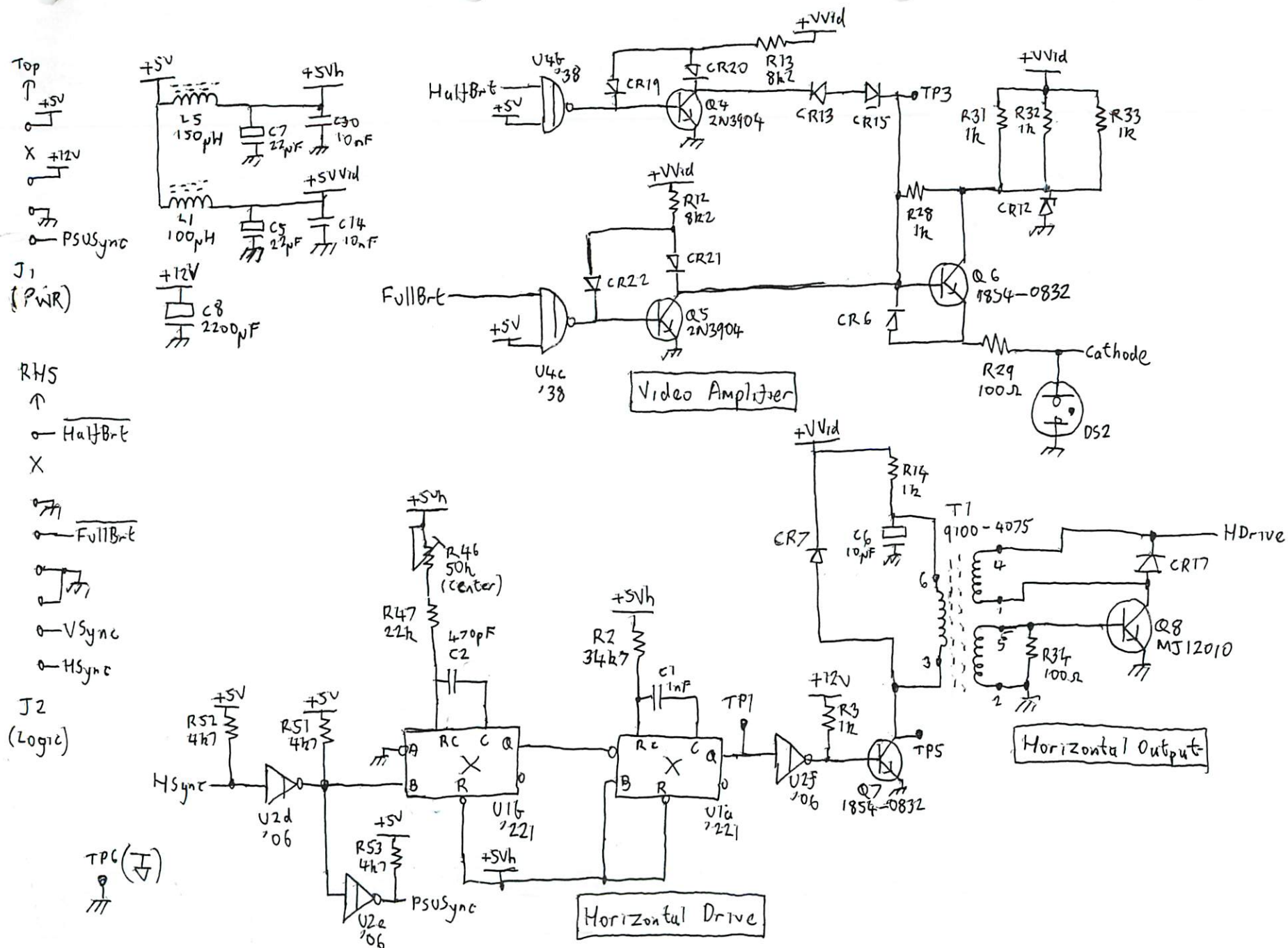


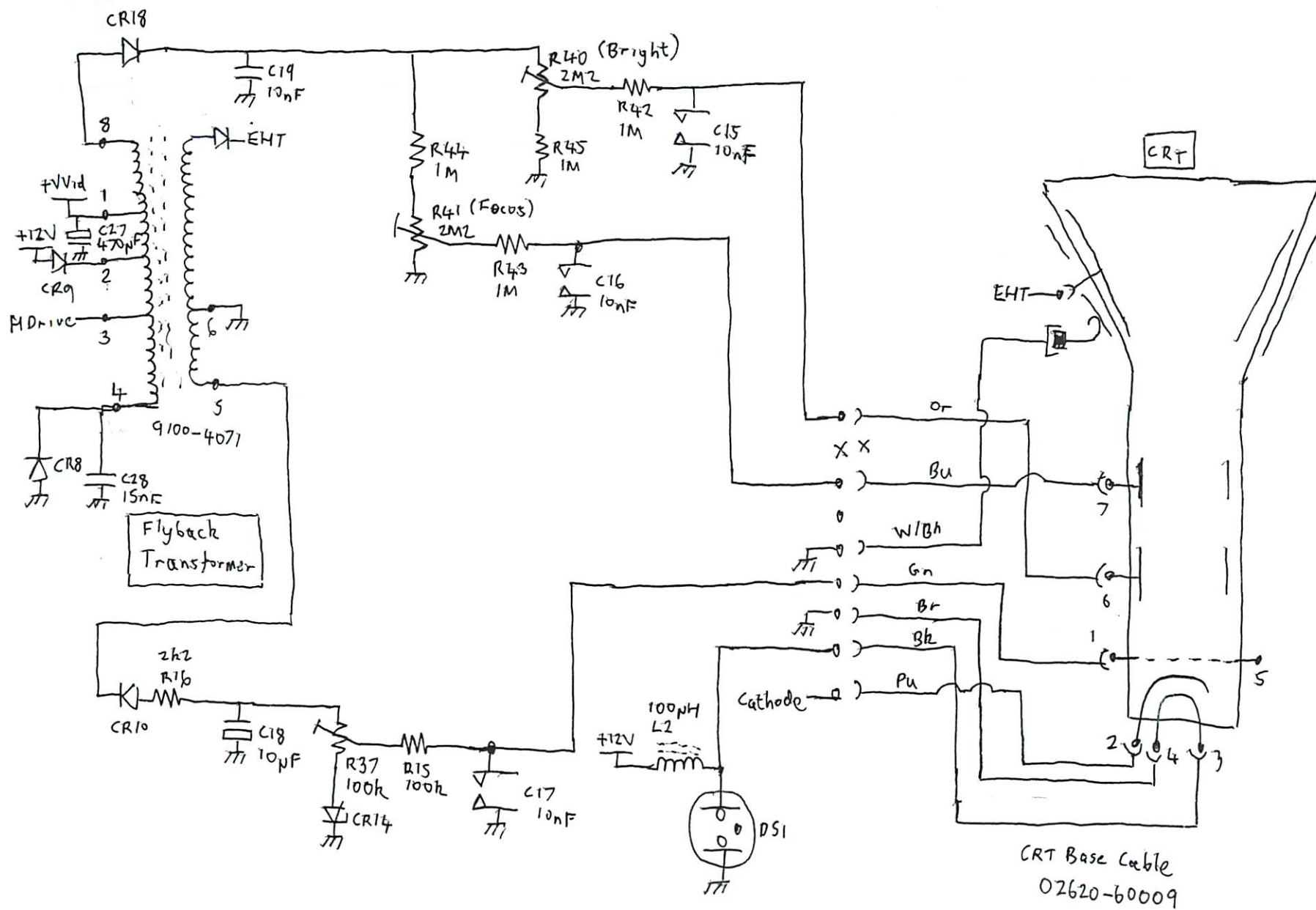


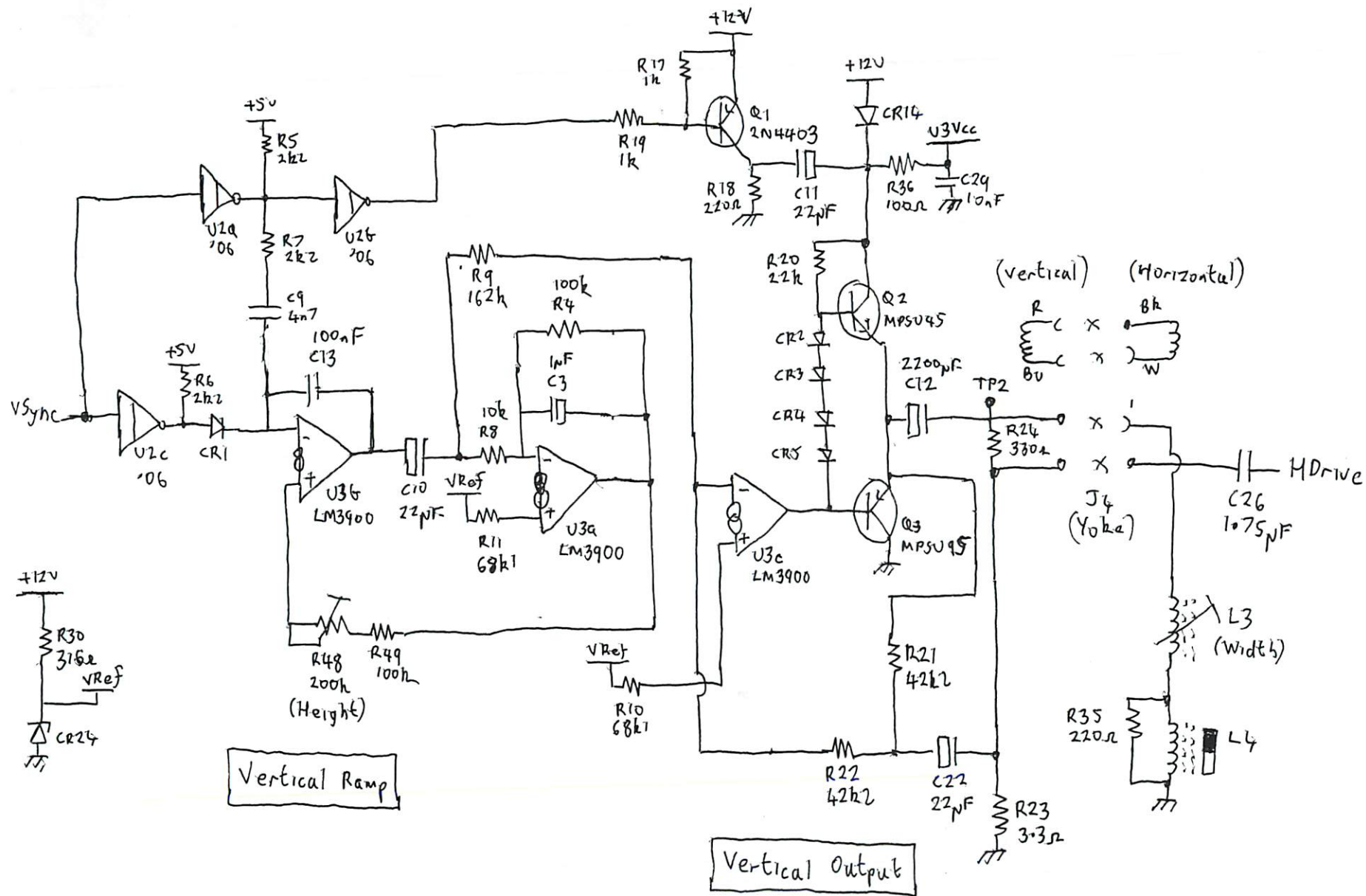


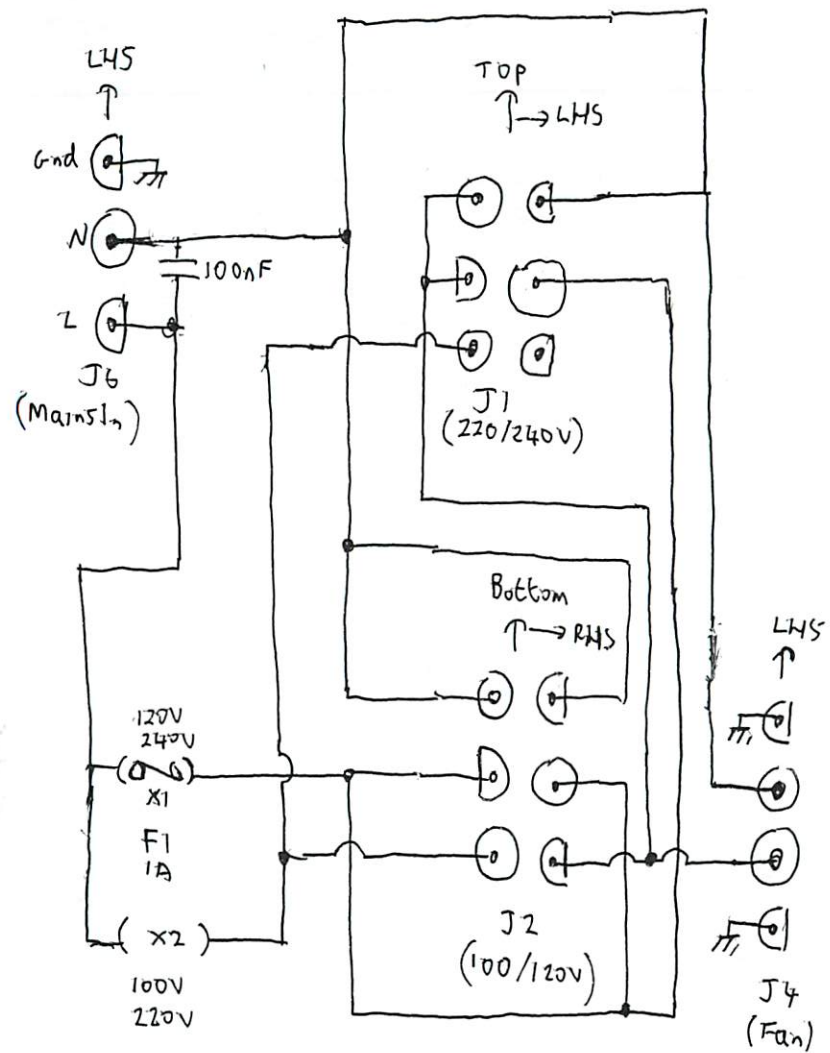
Keyboard Interface



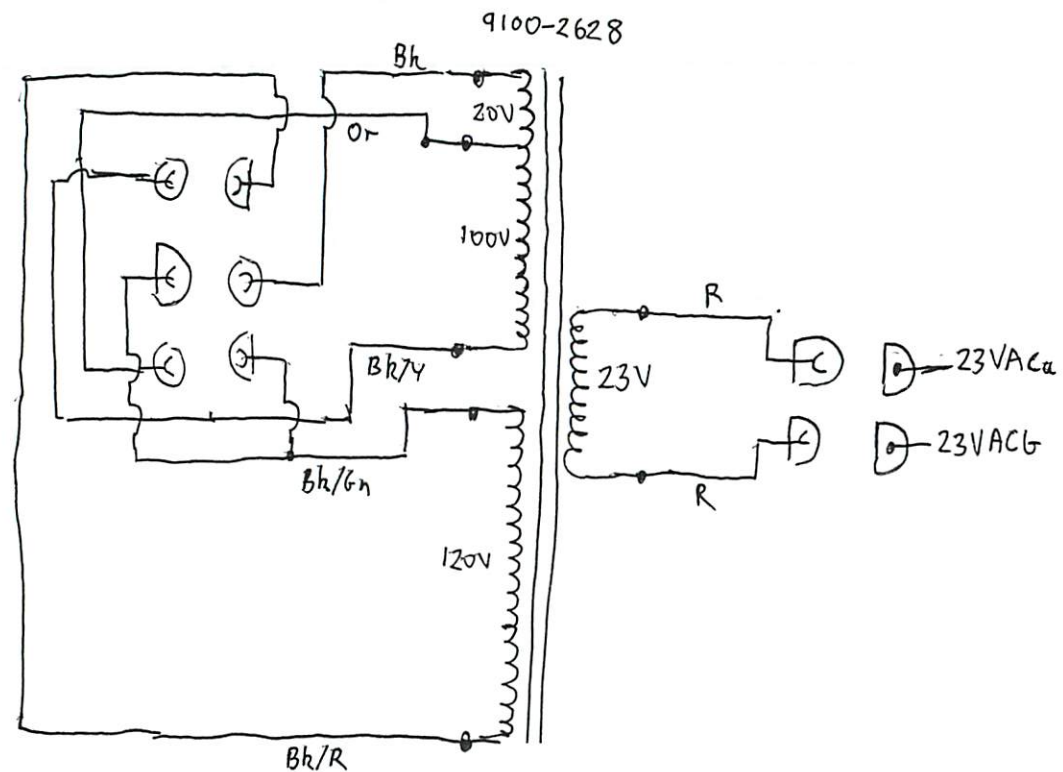




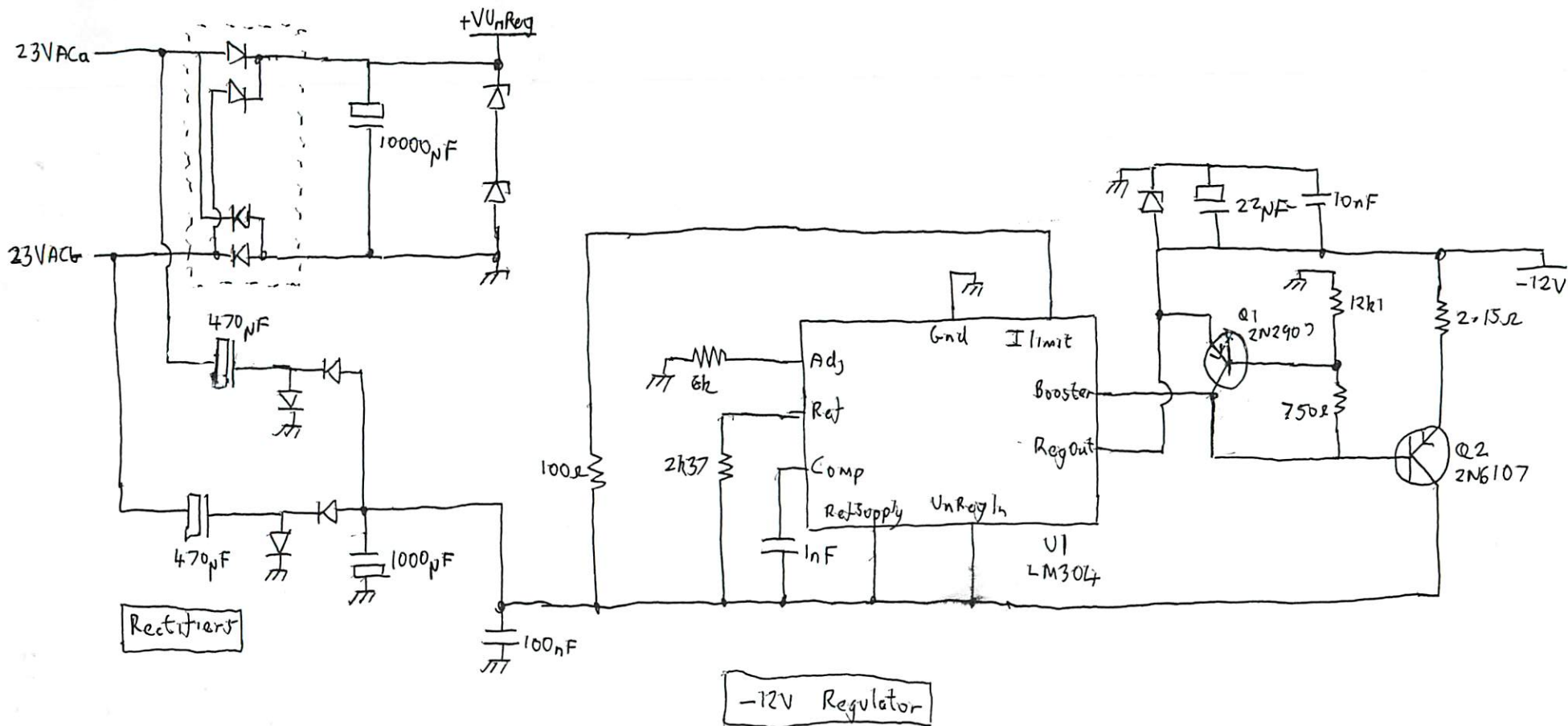


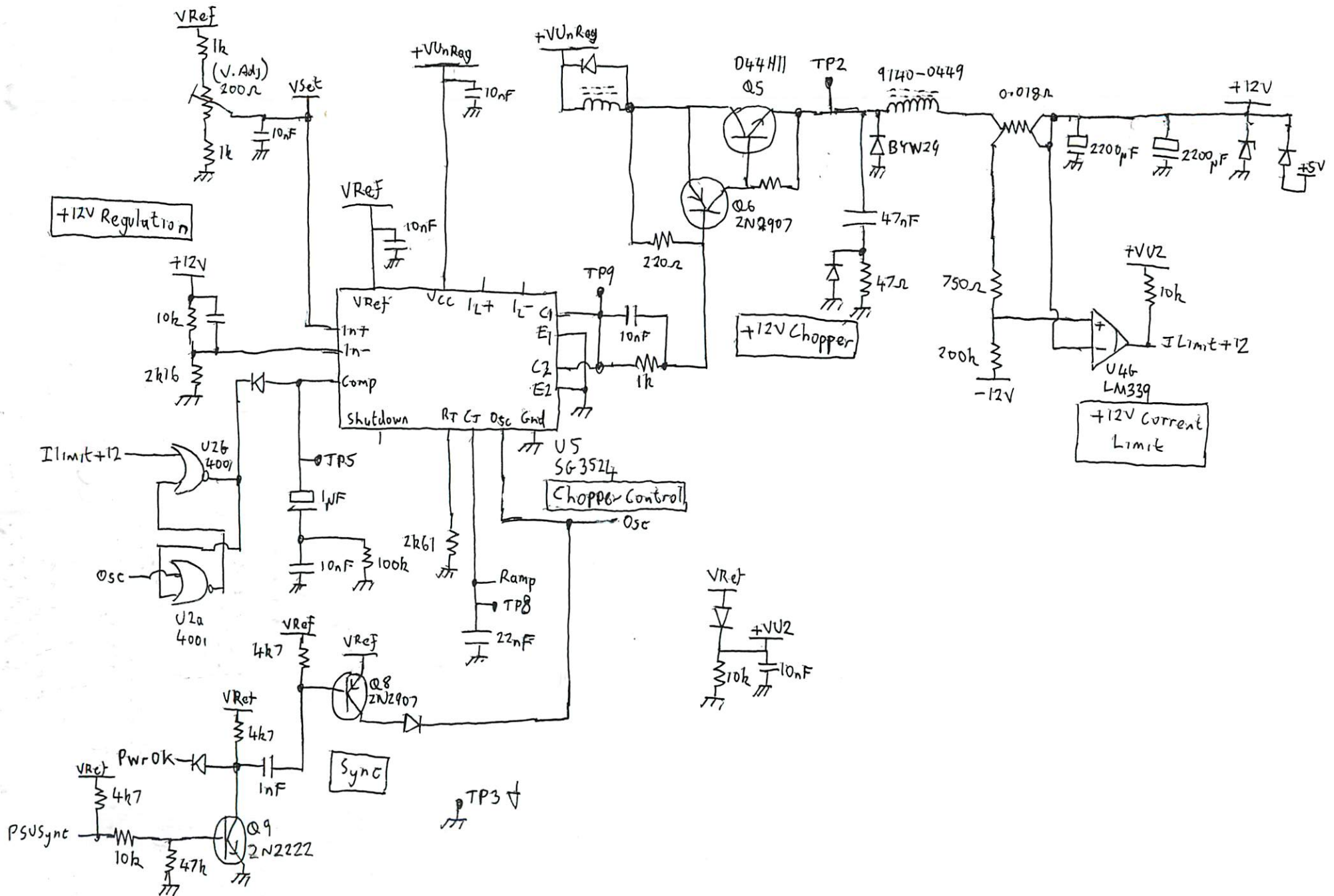


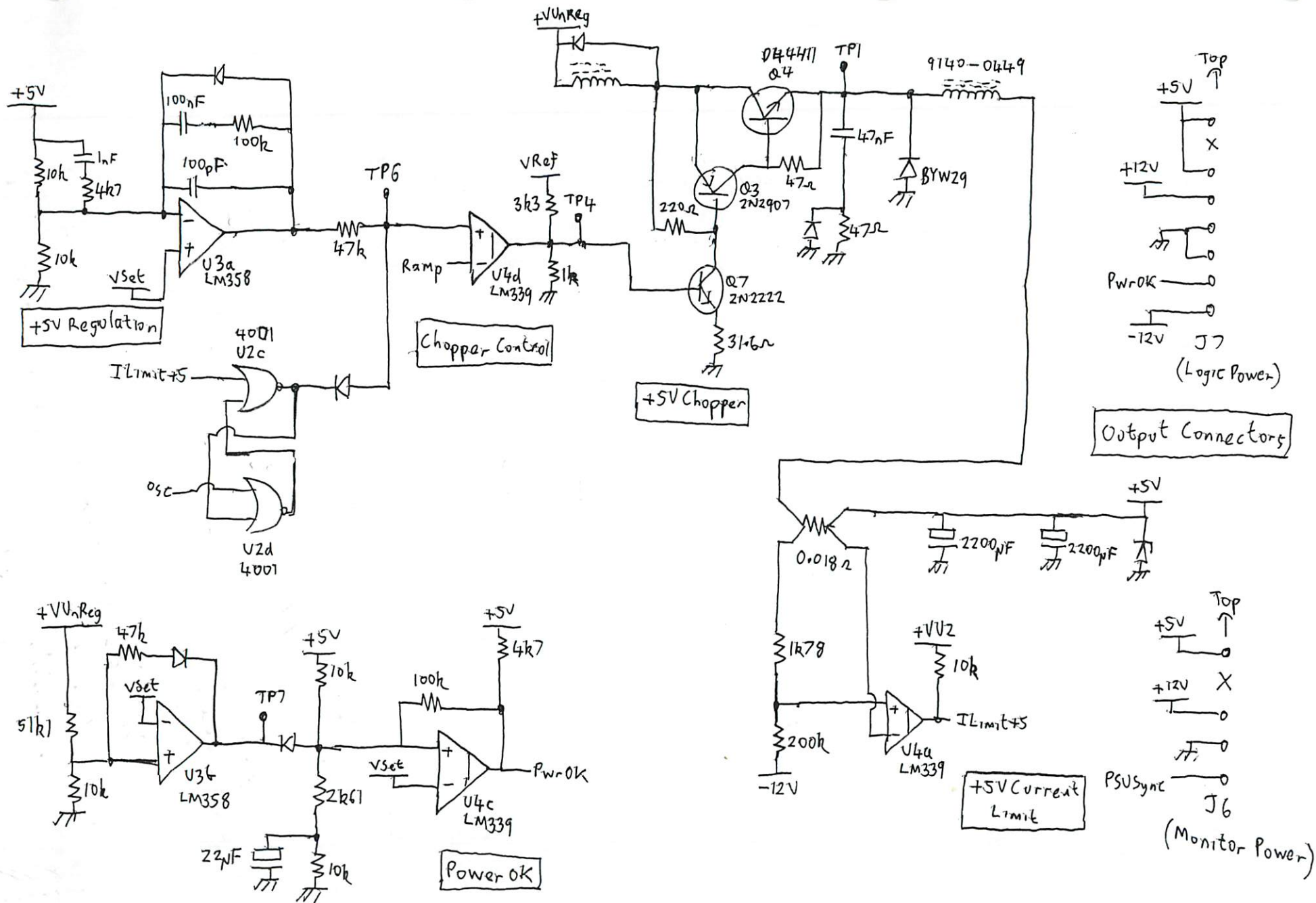
Mains Voltage
Selector

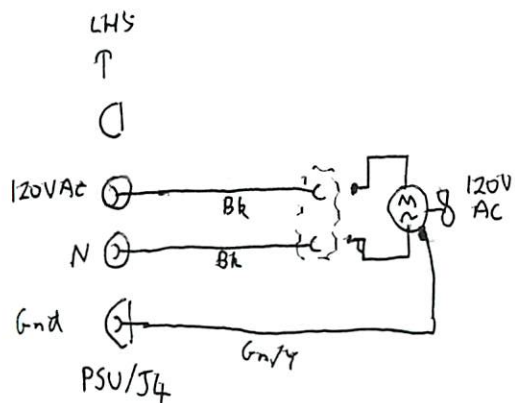
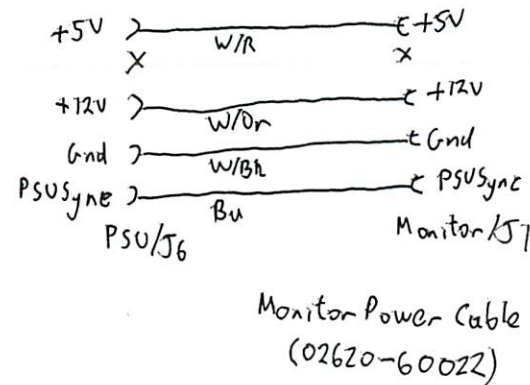
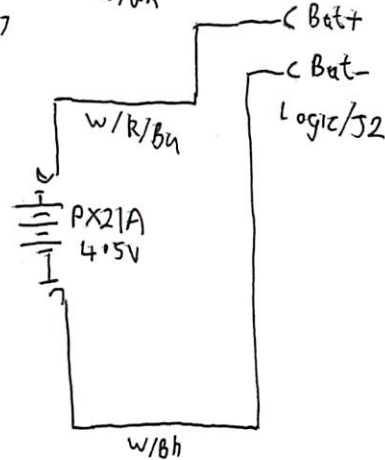
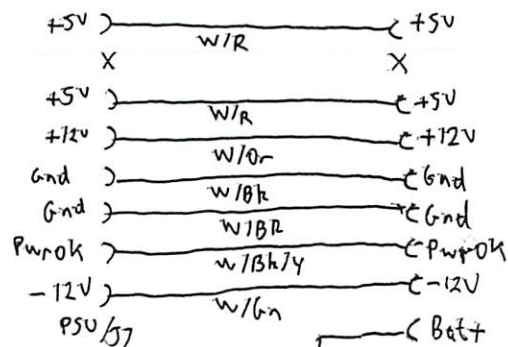
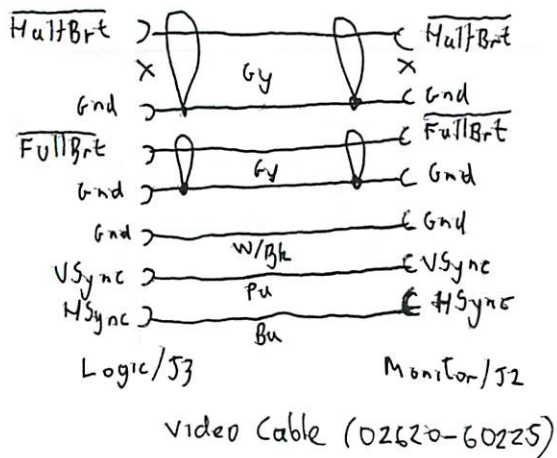


Mains Transformer
(Not mounted on PCB)



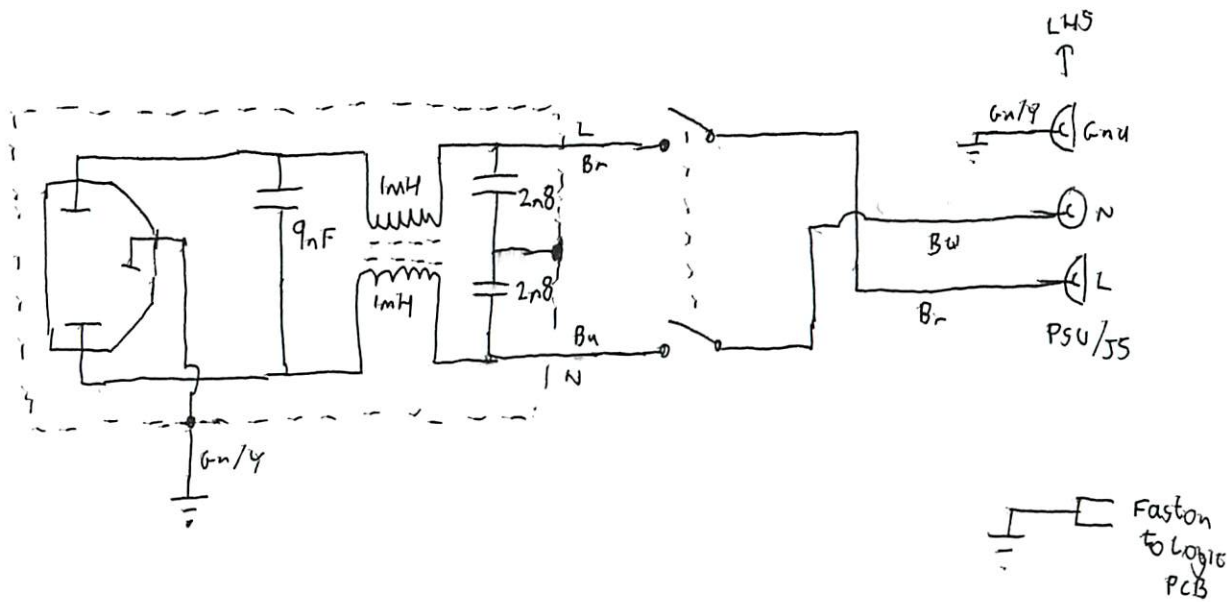


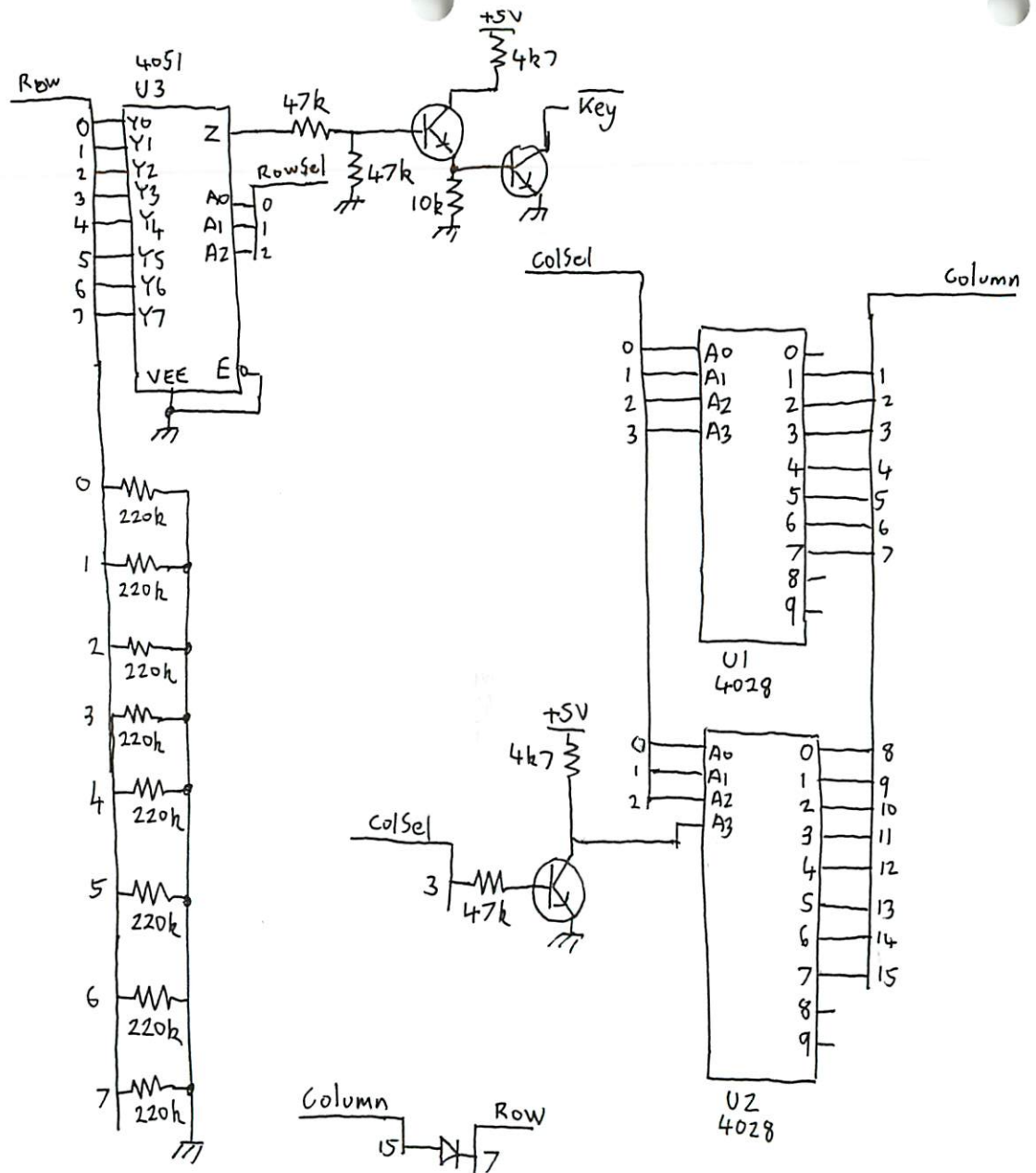
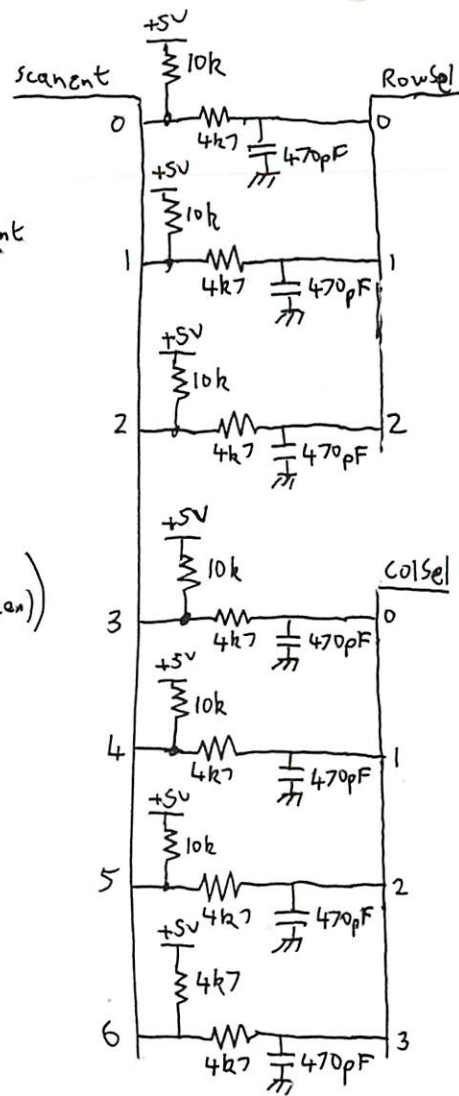
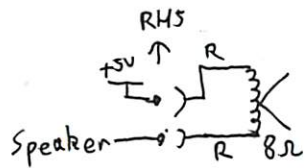
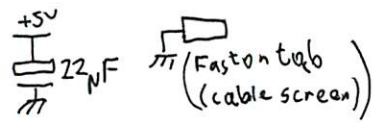
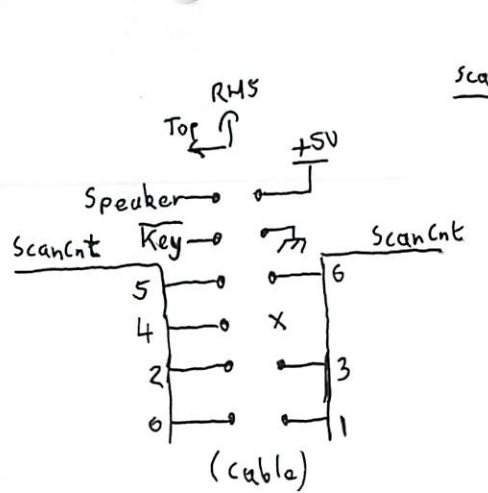




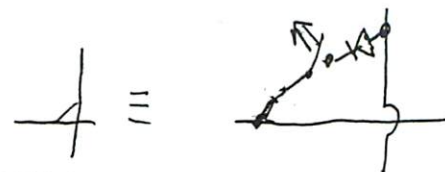
Fan Wiring
(02620-60172)

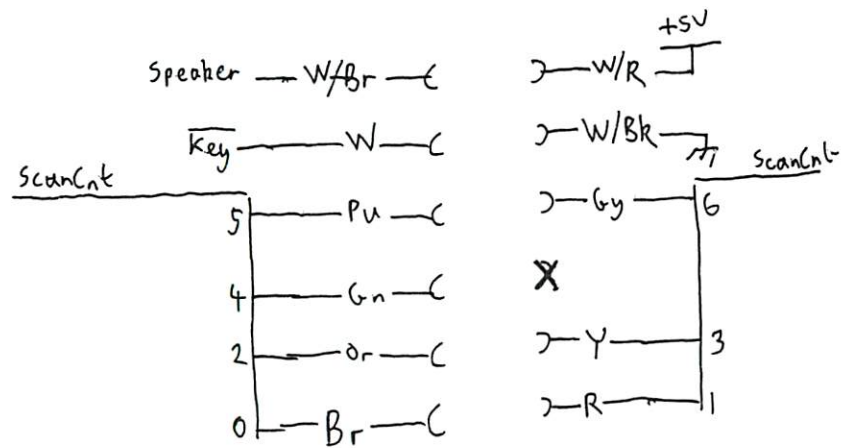
HP2623 Internal Cabling





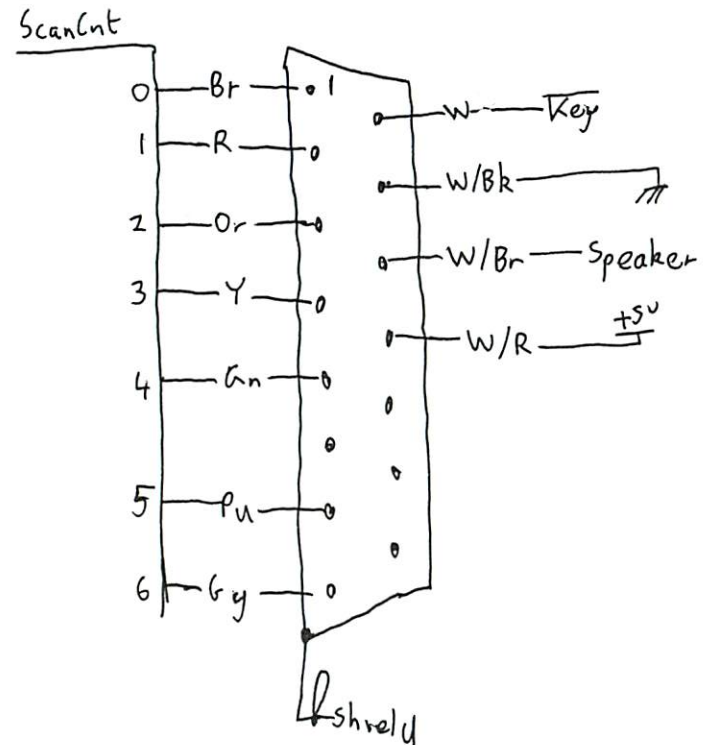
Row	1	2	3	4	5	6	7	8	9	10	11	12	13	14
0	C	B	!		;	=	N	Lspace	N0	N9	>	AIDS	F1	Rspace
1	X	V	Z	Enter	Space	:	M	Lshift	N.	N-	V	MODES	F2	
2	D	G	A	Return	)	|	J	Rshift	N!	NTAB→	ROLL DOWN	USER KEYS	F3	
3	S	F		BACK SPACE	H	@	K	CTRL	NZ	NTAB←	ROLL UP		F4	
4	E	T	Q	}	Y	£	L	ESC	N3	Break	Ins Char	NEXT PAGE	F5	
5	W	R	TAB↕	>	(	P	U	DEL	N4	Clear Dsply	Del Char	PREV PAGE	F6	
6	£	%		/	^	?	I	N7	N5	Clear Line	Ins Line		F7	
7	//	\$		~	&	=	O	N8	N6	Reset	DEL Line		F8	
	2	4	CAPS	~	6	ø	O	N8	N6	Reset	DEL Line		F8	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Column														





Shield

(Faston
Tab)



HP2623 Keyboard Cable

02620-60028

f1	f2	f3	f4
AIDS	MODES	USER KEYS	NEXT PAGE PREV PAGE

f5	f6	f7	f8
Λ	<	>	V ROLL DOWN ROLL UP

INS LINE	DEL LINE	BREAK	RESET
INS CHAR	DEL CHAR	CLEAR LINE	CLEAR DISPLAY

ESC	!	"	£	\$	%	&	^	(	)	=	?	/	BACK SPACE	~
TAB	Q	W	E	R	T	Y	U	I	O	P	[	]	>	DEL
CAPS	CTRL	A	S	D	F	G	H	J	K	L	@	|	RETURN	
SHIFT	Z	X	C	V	B	N	M	:	;	-	SHIFT	ENTER		
Space Bar														

Graph Dsply 7	A 8	Graph Cursor 9	NUM
4	Alpha Display 5	6	TAB
Graph Clear 1	2	Graph Copy 3	TAB
Cursor Fast 0	.		

HP 2623 Keycaps (UK)