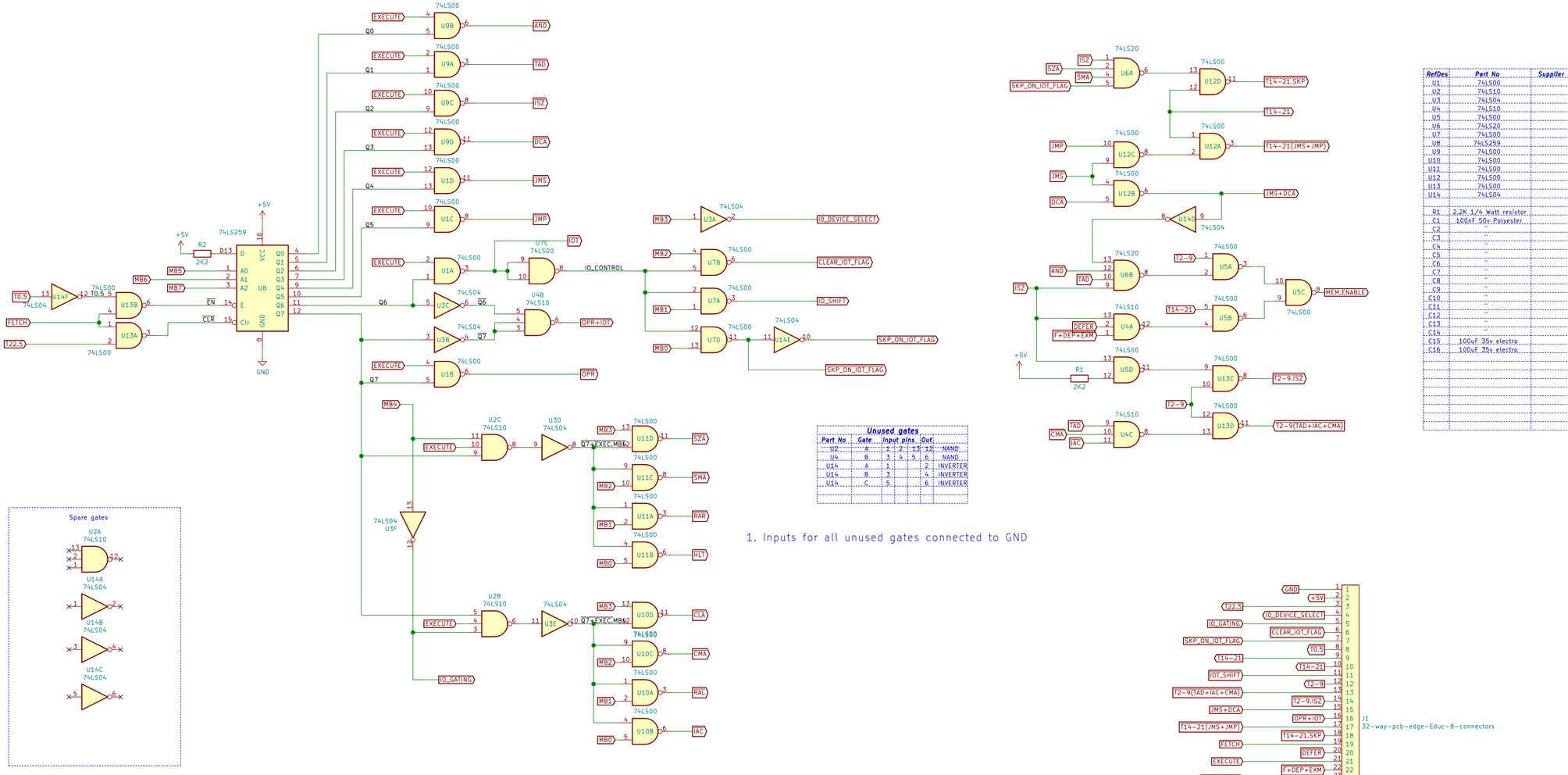


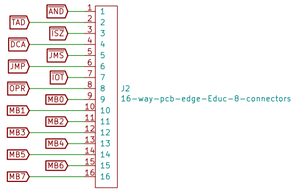
Unused gates						
Part No	Gate	Input pins			Out	
U2	A	1	2	13	12	NAND
U4	B	3	4	5	6	NAND
U14	A	1			2	INVERTER
U14	B	3			4	INVERTER
U14	C	5			6	INVERTER

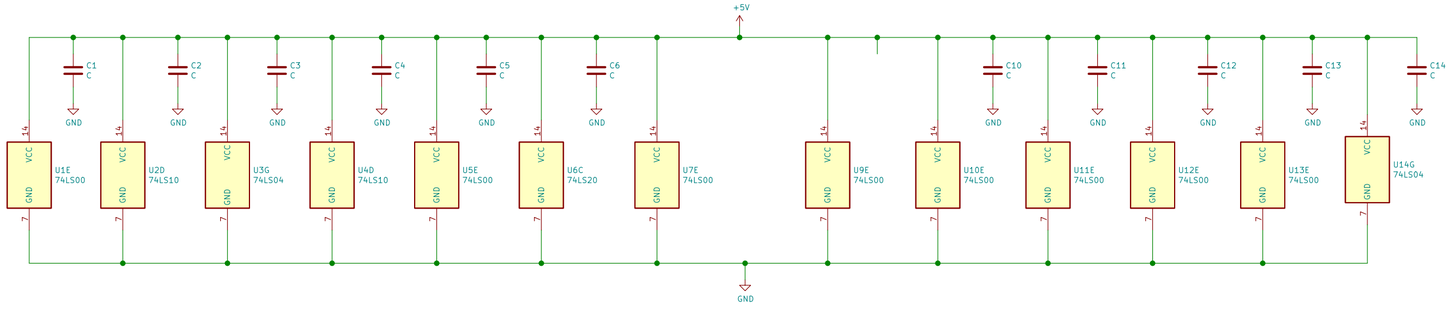
1. Inputs for all unused gates connected to GND

RefDes	Part No	Supplier
U1	74LS00	
U2	74LS20	
U3	74LS04	
U4	74LS10	
U5	74LS00	
U6	74LS20	
U7	74LS00	
U8	74LS259	
U9	74LS00	
U10	74LS00	
U11	74LS00	
U12	74LS00	
U13	74LS00	
U14	74LS04	
R1	2.2K 1/4 Watt resistor	
C1	100nF 50v Polyester	
C2	-	
C3	-	
C4	-	
C5	-	
C6	-	
C7	-	
C8	-	
C9	-	
C10	-	
C11	-	
C12	-	
C13	-	
C14	-	
C15	100uF 35v electro	
C16	100uF 35v electro	

Part No	Type	QTY
74LS00	Quad NAND	8
74LS04	Hex Inverter	2
74LS10	3 Input NAND	2
74LS20	4 Input NAND	1
74LS259	Addressable 8 bit latch	1
C1-14	100nF 50v Polyester	14
C15-16	100uF 35v electro	2
R1	2.2K 1/4 Watt resistor	1

CONNECTION TABLE			
CARD EDGE 1			DB25
Pin No	Function	J	Pin No
1	GND	1	1
2	+5V DC	1	14
3	T22.5	1	2
4	I/O DEVICE SELECT	1	15
5	I/O GATING	1	3
6	CLEAR IOT FLAG	1	16
7	SKIP ON IOT FLAG	1	4
8	T0.5	1	17
9	T14-21	1	5
10	T14-21	1	18
11	IOT SHIFT	1	6
12	T2-9	1	19
13	T2-9.(TAD+IAC+CMA)	1	7
14	T2-9.ISZ	1	20
15	JMS+DCA	1	8
16	OPR+IOT	1	21
17	T14-21(JMS+JMP)	1	9
18	T14-21.SKIP	1	22
19	FETCH	1	10
20	DEFER	1	23
21	EXECUTE	1	11
22	F+DEP+EXM	1	24
23	MEM. ENABLE	1	12
24	HLT	1	25
25	RAR	1	13
26	SMA	2	1
27	SZA	2	14
28	IAC	2	2
29	RAL	2	15
30	CMA	2	3
31	CLA	2	16
32	OPR	2	4
CARD EDGE 2			
Pin No			
A	AND	2	17
B	TAD	2	5
C	ISZ	2	18
D	DCA	2	6
E	JMS	2	19
F	JMP	2	7
G	IOT	2	20
H	OPR	2	8
J	MB0	2	21
K	MB1	2	9
L	MB2	2	22
M	MB3	2	10
N	MB4	2	23
P	MB5	2	11
Q	MB6	2	24
R	MB7	2	12
–	+5V	2	25
–	GND	2	13





INSTRUCTION DECODER

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