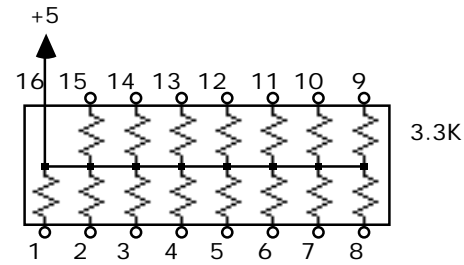
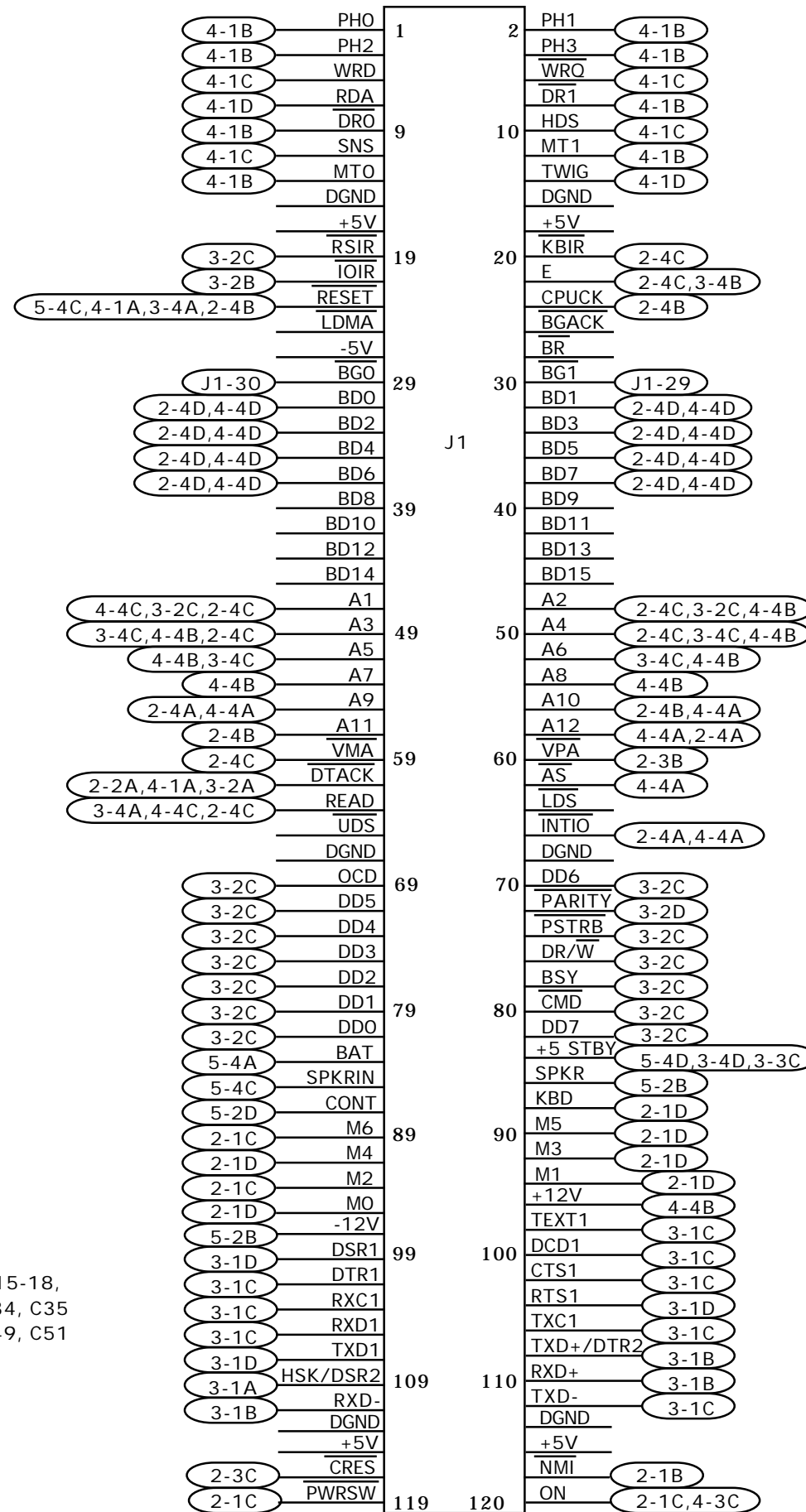
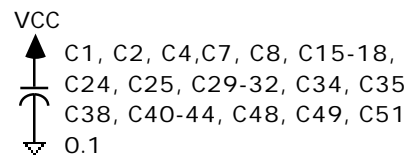
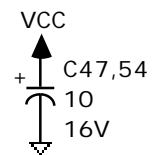
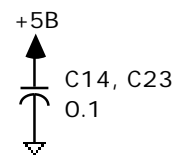
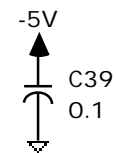
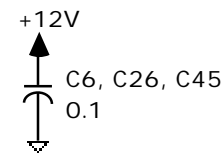
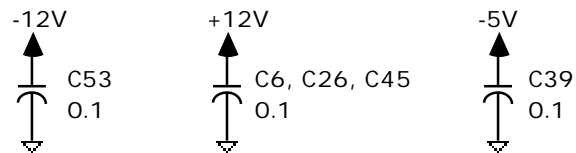
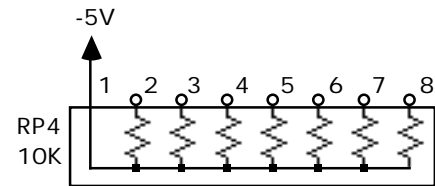


NOTE: UNLESS OTHERWISE SPECIFIED

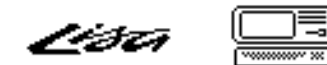
1. ALL RESISTOR VALUES ARE IN OHMS
1/4 WATT ± 5%
2. ALL CAPACITORS ARE IN MICROFARADS



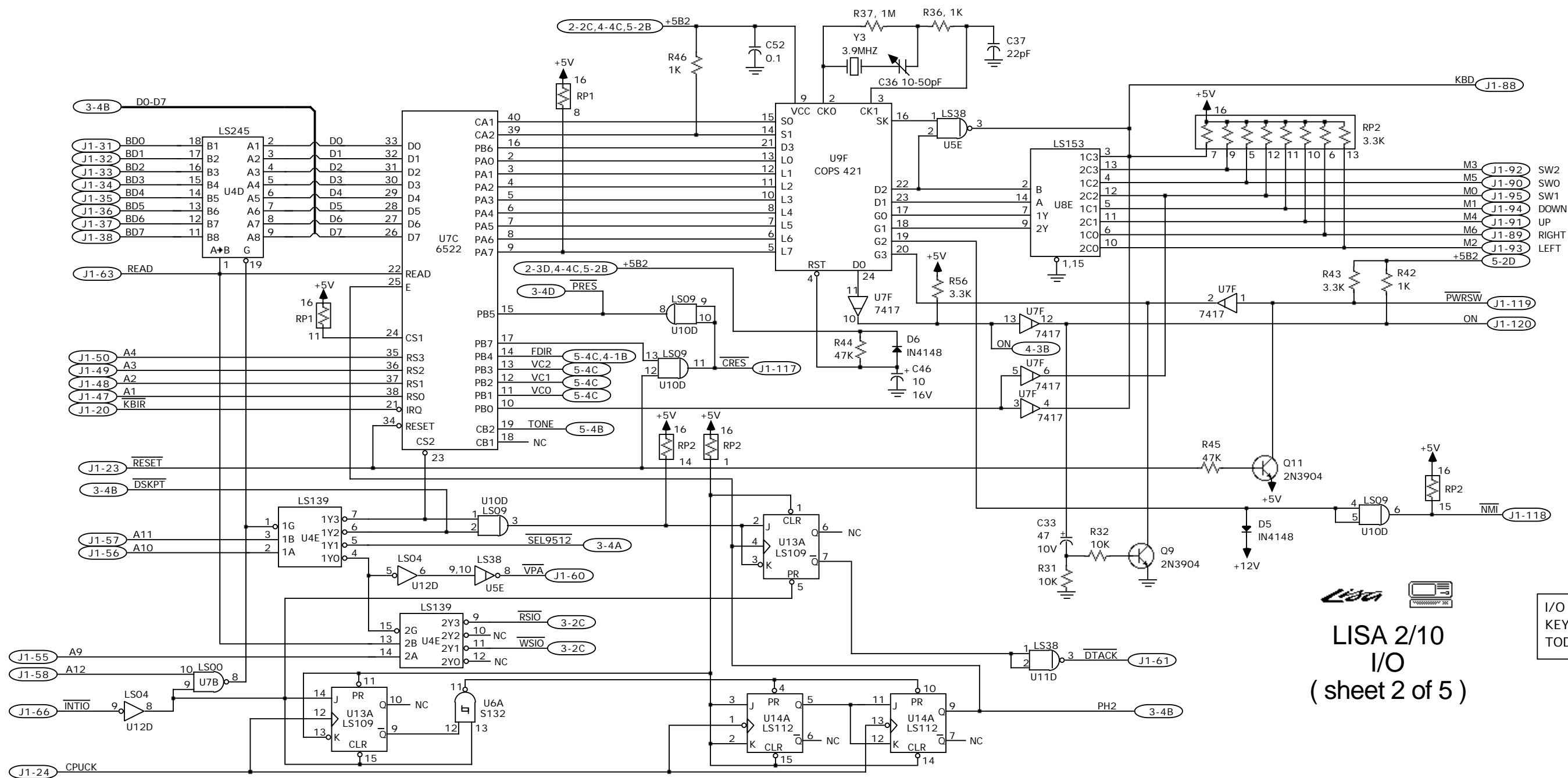
RESISTOR PACKS RP1, RP2





DEVICE	NAME	+5V	GND	+12V	OTHER
74LS00	U7B, 10B	14	7		
74S02	U8A	↕	↕		
74LS04	U12D, 3F	↕	↕		
74LS08	U9A, 1E	↕	↕		
74LS09	U10D	14	7		
7417	U7F		7		+5B,14
74S32	U2D	14	7		
74LS38	U11D, 5E	14	7		
74LS85	U4B, 5B	16	8		
74LS109	U6B, 6E, 13A	16	8		
74LS112	U1F, 14A	16	8		
74LS132	U6A	14	7		
74S139	U5A	16	8		
74LS139	U4E	↕	↕		
74LS153	U8E	↕	↕		
74LS157	U2C, 3C, 4C	↕	↕		
74LS161	U7A	16	8		
74C174	U9B		8		+5B,16
74LS244	U4F	20	10		
74LS245	U3D, 4D, 6F	20	10		
74LS259	U3E	16	8		
74LS280	U5F, 7E	14	7		
74LS367	U1C	16	8		
74LS374	U2E	20	10		
74LS393	U3B, 13B	14	7		
26LS30	U10E	1	5		-5V,8
26LS32	U11E	16	8		GND,4
444C-3	U1B, 2B		9		+5B,18
COPS 421	U9F		1		+5B,9
IWM	U1A	26	14		
TLO74	U10A			4	-12V,11
1488	U10F		7	14	-12V,1
1489	U11F	14	7		
8T97	U2F	16	8		
6504	U3A	4	2		
6522	U5C, 7C	20	1		
8530	U9C	9	31		
WD2001	U11B	5	25	6	
DISK BOOT EPROM	U2A	28	14		+5V,26
PULL UPS	RP1, RP2	16			
PULL UPS	RP4				-5V,1

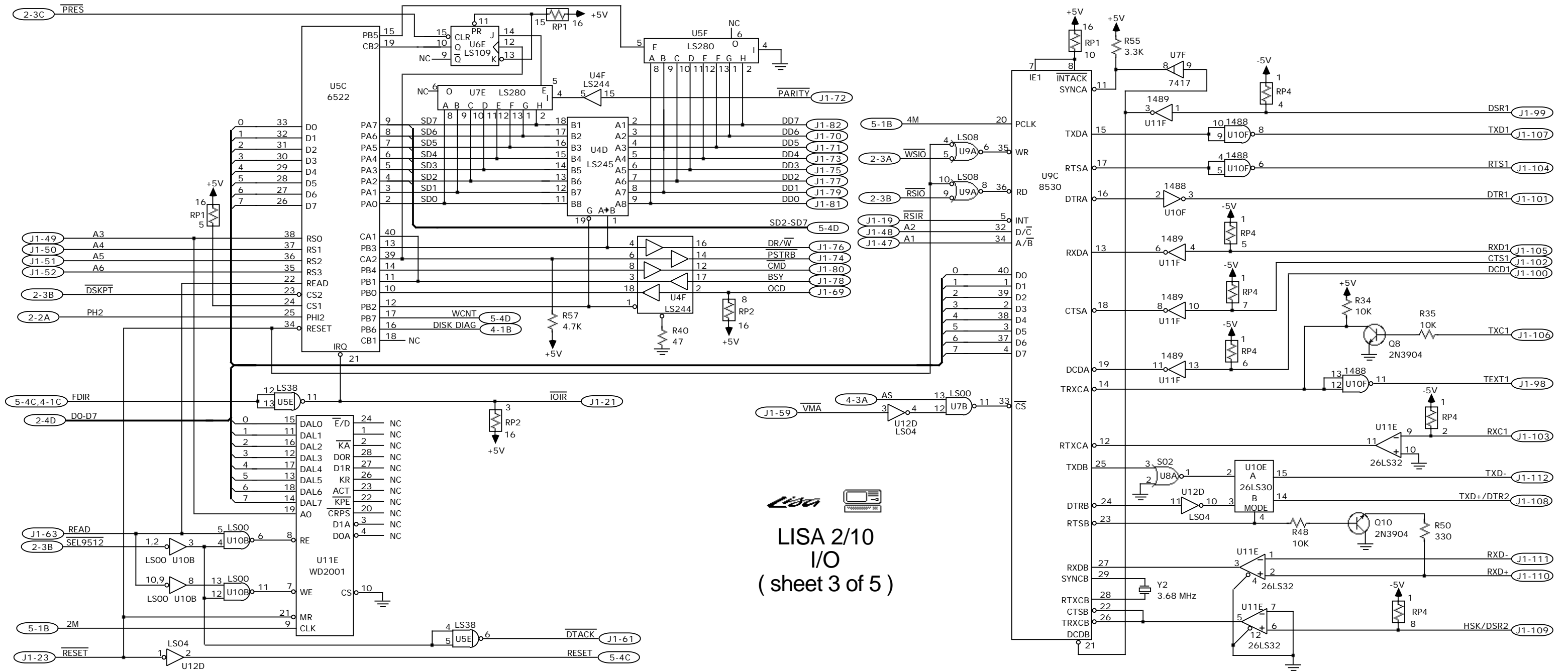


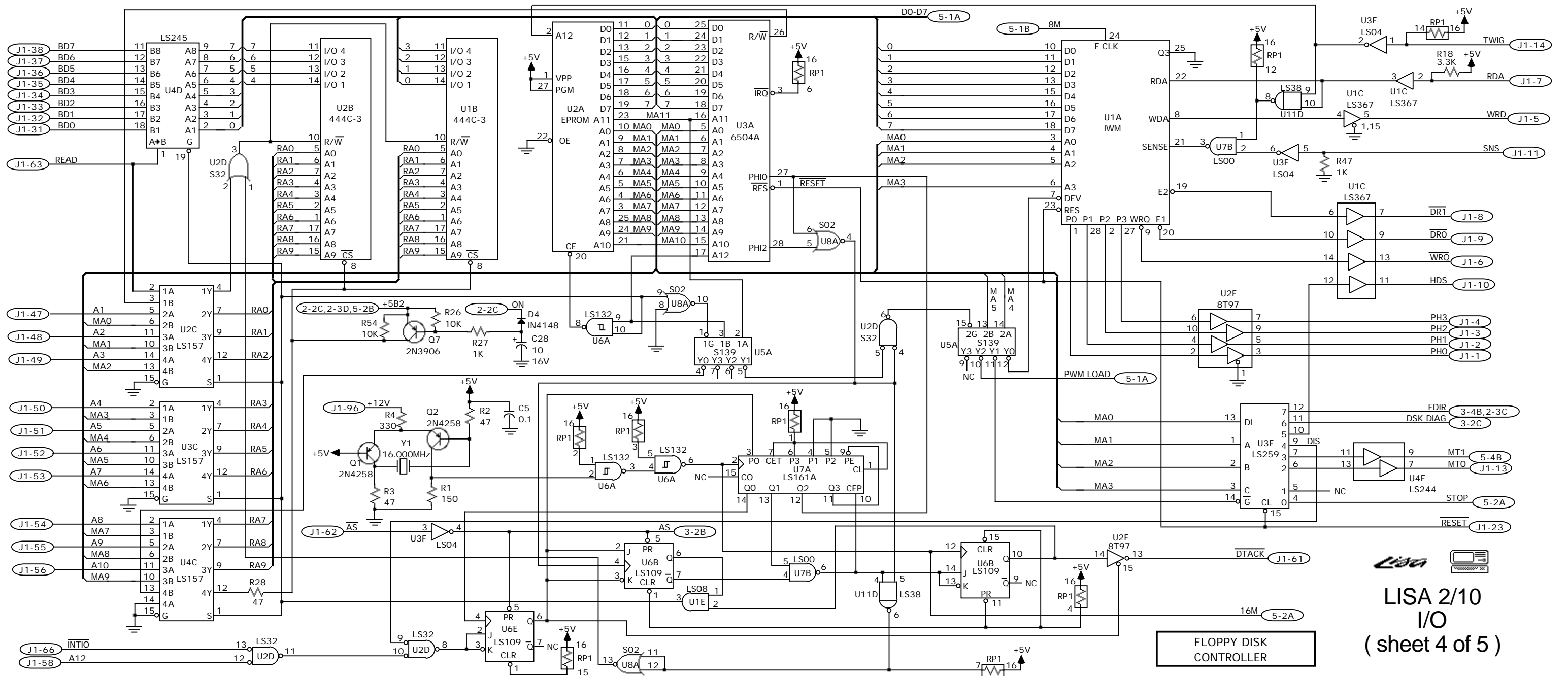
LISA 2/10
I/O
(sheet 1 of 5)







LISA 2/10
I/O
 (sheet 2 of 5)

I/O DECODERS
 KEYBOARD/MOUSE INTERFACE
 TOD CLOCK



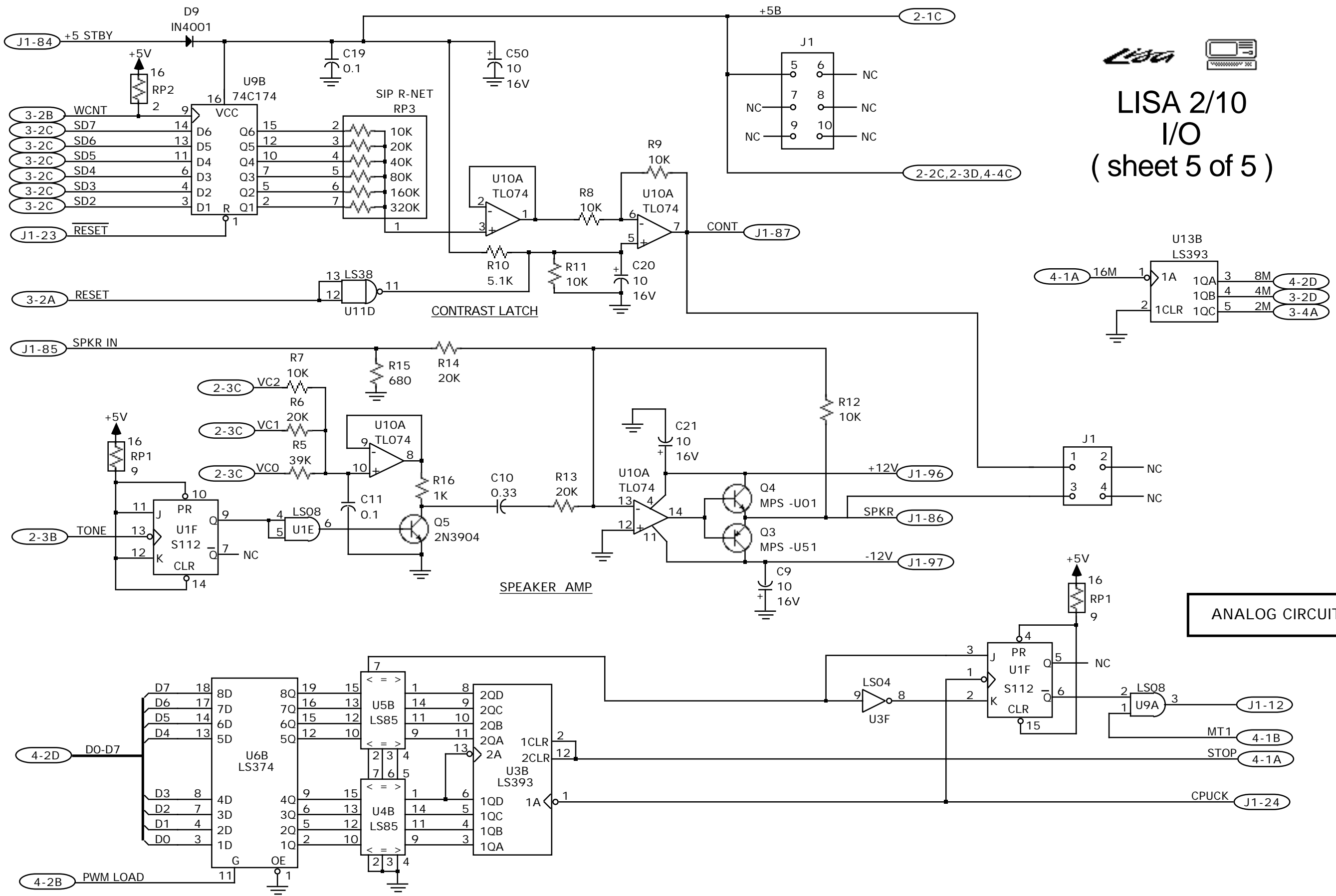




LISA 2/10
I/O
(sheet 4 of 5)

FLOPPY DISK CONTROLLER



LISA 2/10 I/O (sheet 5 of 5)



ANALOG CIRCUITS