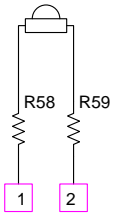
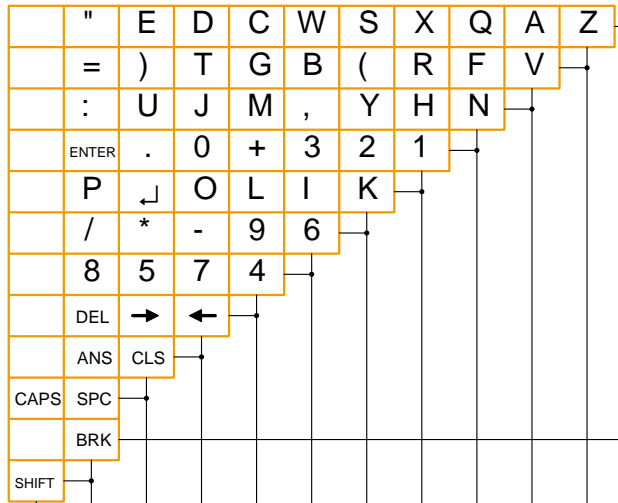
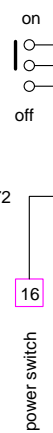
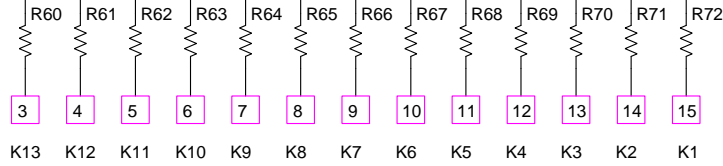


keyboard matrix

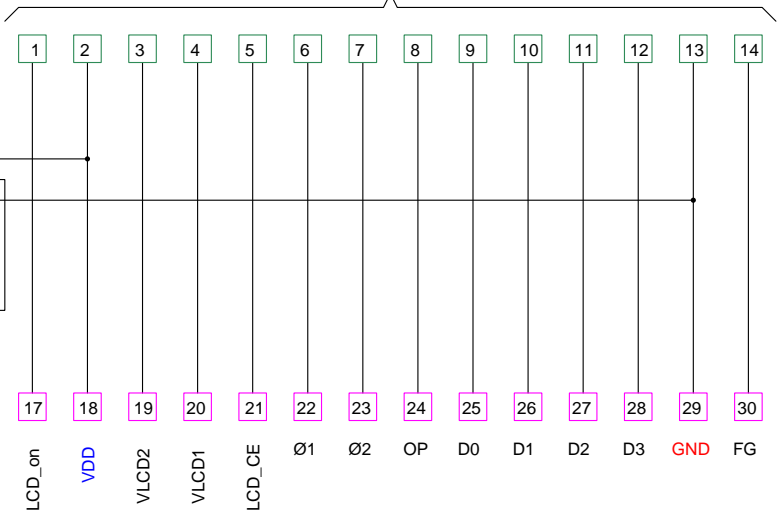


buzzer

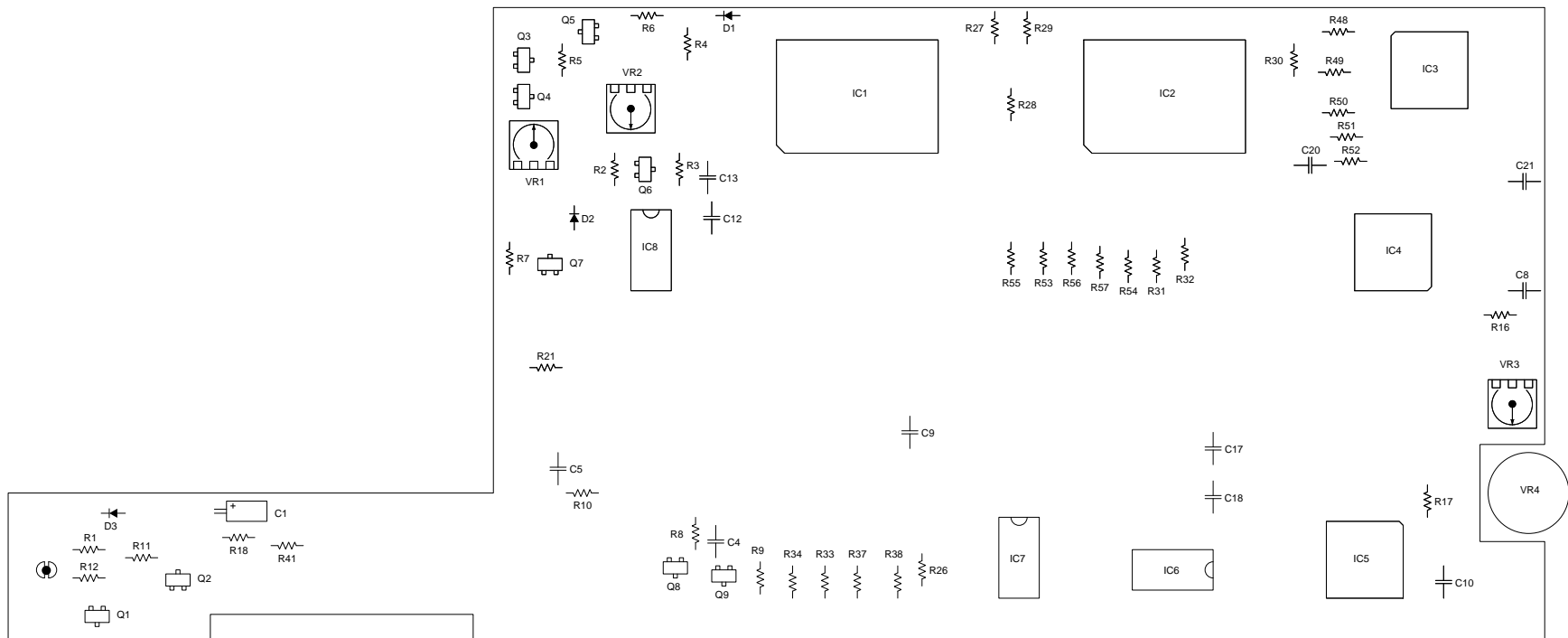


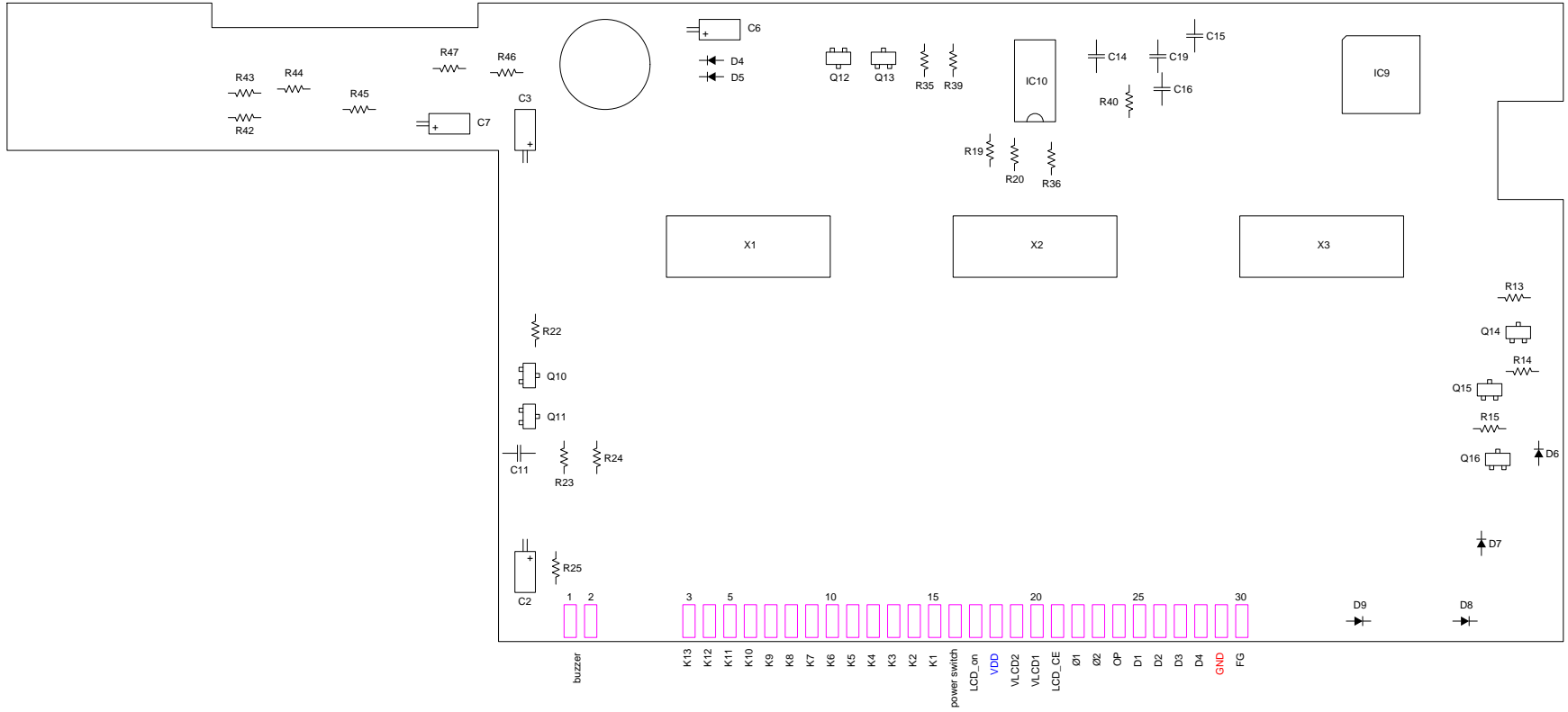
power switch

to the LCD board



to the CPU board





Parts list

IC1	HD61917A06	R11	15k Ω	R68	4.7k Ω
IC2	HD61917A07	R12	15k Ω	R69	4.7k Ω
IC3	HD61914C	R13	680k Ω	R70	4.7k Ω
IC4	HD61914C	R14	120k Ω	R71	4.7k Ω
IC5	HD61914C	R15	270k Ω	R72	4.7k Ω
IC6	TC4071BF	R16	470k Ω	R73	150k Ω
IC7	TC40H000F	R17	180k Ω	R74	56 Ω
IC8	TC4071BF	R18	120k Ω	R75	56 Ω
IC9	HD61914C	R19	10k Ω	R76	2.2M Ω
IC10	TC50H000F	R20	470k Ω	R77	100 Ω
IC11	M6225	R21	680k Ω	R78	100k Ω
IC12	M6226-01K	R22	330k Ω	R79	47k Ω
IC13	LA5310	R23	220k Ω		
		R24	270k Ω	C1	0.33 μ F
Q1	2SC1623	R25	39k Ω	C2	22 μ F
Q2	2SA812	R26	56 Ω	C3	22 μ F
Q3	2SA812	R27	56 Ω	C4	
Q4	2SC1623	R28	56k Ω	C5	
Q5	2SA812	R29	56 Ω	C6	3.3 μ F
Q6	2SC1623	R30	56k Ω	C7	33 μ F
Q7	2SA812	R31	15k Ω	C8	
Q8	2SA812	R32	15k Ω	C9	
Q9	2SA812	R33	680k Ω	C10	
Q10	2SA812	R34	680k Ω	C11	
Q11	2SA812	R35	330k Ω	C12	
Q12	2SA812	R36	22k Ω	C13	
Q13	2SA812	R37	680k Ω	C14	
Q14	2SA812	R38	680k Ω	C15	
Q15	2SA812	R39	330k Ω	C16	
Q16	2SA812	R40	22k Ω	C17	
Q17	2SC1623	R41	3.9k Ω	C18	
		R42	3.9k Ω	C19	
D1	red LED	R43	3.9k Ω	C20	
D2	1S1588	R44	3.9k Ω	C21	
D3	1S1588	R45	3.9k Ω	C22	
D4	Zener 20V	R46	3.9k Ω	C23	
D5		R47	3.9k Ω	C24	
D6	1S1588	R48	2.2k Ω	C25	
D7	1S1588	R49	2.2k Ω	C26	
D8	1S1588	R50	2.2k Ω	C27	
D9	1S1588	R51	2.2k Ω	C28	
		R52	2.2k Ω	C29	
VR1	20k Ω	R53	2.2k Ω		
VR2	50k Ω	R54	2.2k Ω		
VR3	220k Ω	R55	2.2k Ω		
VR4	100k Ω	R56	2.2k Ω		
		R57	2.2k Ω		
R1	100 Ω	R58	100 Ω		
R2	2.2M Ω	R59	100 Ω		
R3	120k Ω	R60	4.7k Ω		
R4	150k Ω	R61	4.7k Ω		
R5	150k Ω	R62	4.7k Ω		
R6	68k Ω	R63	4.7k Ω		
R7	47k Ω	R64	4.7k Ω		
R8	270k Ω	R65	4.7k Ω		
R9	1k Ω	R66	4.7k Ω		
R10	33k Ω	R67	4.7k Ω		