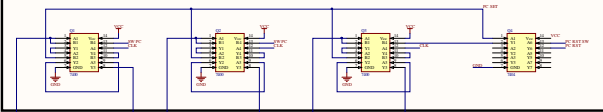
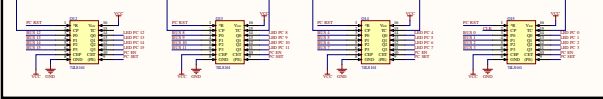


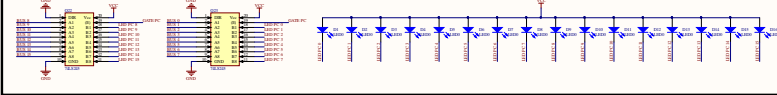
PC Logic



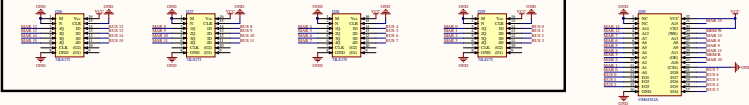
PC (Binary counter)



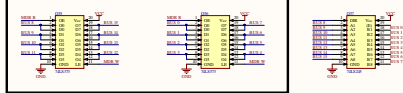
PC Gate



MAR



MDR



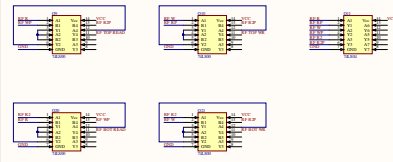
MDR LED



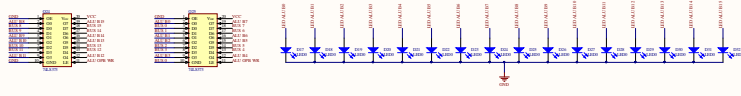
REGISTER FILE



REGISTER FILE LOGIC



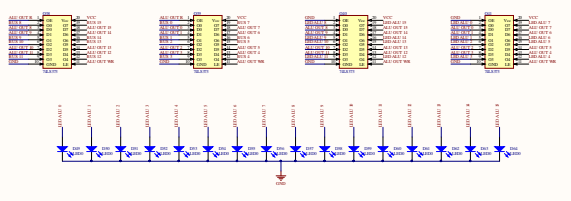
ALU OP B

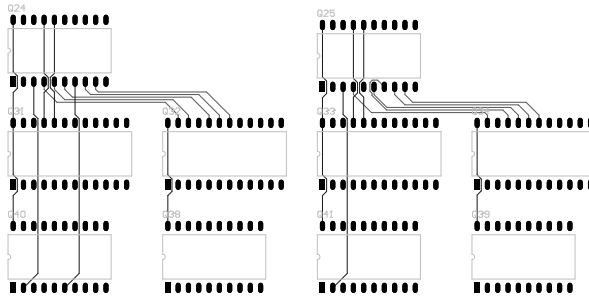
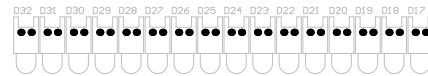
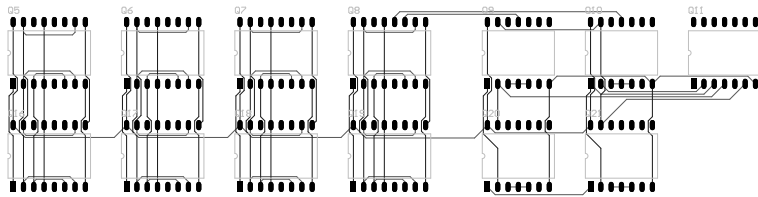
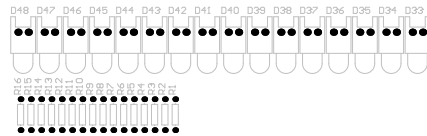
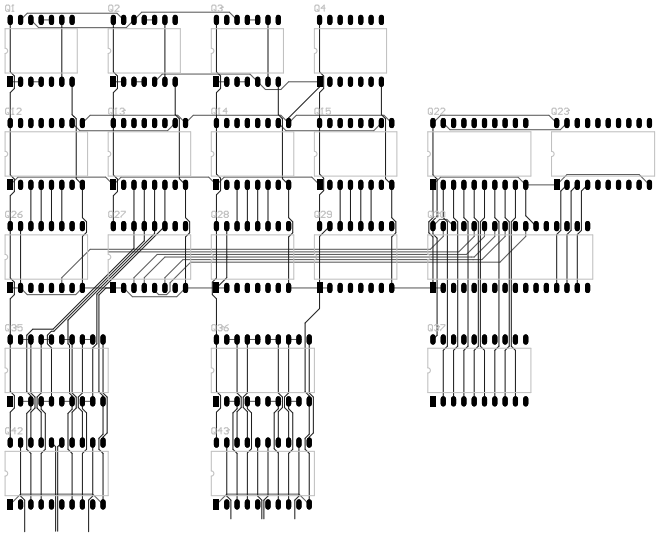
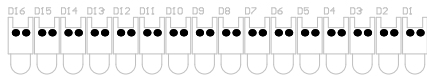


ALU



ALU OUT





Comment	Description	Designator	Footprint	LibRef	Quantity
LED0	Typical INFRARED GaAs LED	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64	LED-0	LED0	64
7400	4-BIT BINARY COUNTERS	Q1, Q2, Q3	DIP14	7400	3
7404	Hex Inverting Gates	Q4	DIP14	7404	1
74LS670	4-BY-4 REGISTER FILES WITH 3-STATE OUTPUTS	Q5, Q6, Q7, Q8, Q16, Q17, Q18, Q19	DIP16	74LS670	8
74LS00	Quad 2-Input NAND Gate	Q9, Q10, Q20, Q21	DIP14	74LS00	4
74LS04	Hex Inverting Gates	Q11	DIP14	74LS04	1
74LS161	4-BIT BINARY COUNTERS	Q12, Q13, Q14, Q15	DIP16	74LS161	4
74LS245	OCTAL BUS TRANSCEIVER	Q22, Q23, Q37	DIP20	74LS245	3
74LS373	OCTAL TRANSPARENT LATCH WITH 3-STATE OUTPUTS	Q24, Q25, Q35, Q36, Q38, Q39, Q40, Q41, Q42, Q43	DIP20	74LS373	10
74LS173	4-BIT D-TYPE REGISTERS WITH 3-STATE OUTPUTS	Q26, Q27, Q28, Q29	DIP16	74LS173	4
UM61512A	64K X 8 BIT HIGH SPEED CMOS SRAM	Q30	DIP32	UM61512A	1
74LS181	4-Bit Arithmetic Logic Unit	Q31, Q32, Q33, Q34	DIP24	74LS181	4
Res1	Resistor	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16	AXIAL-0.3	Res1	16