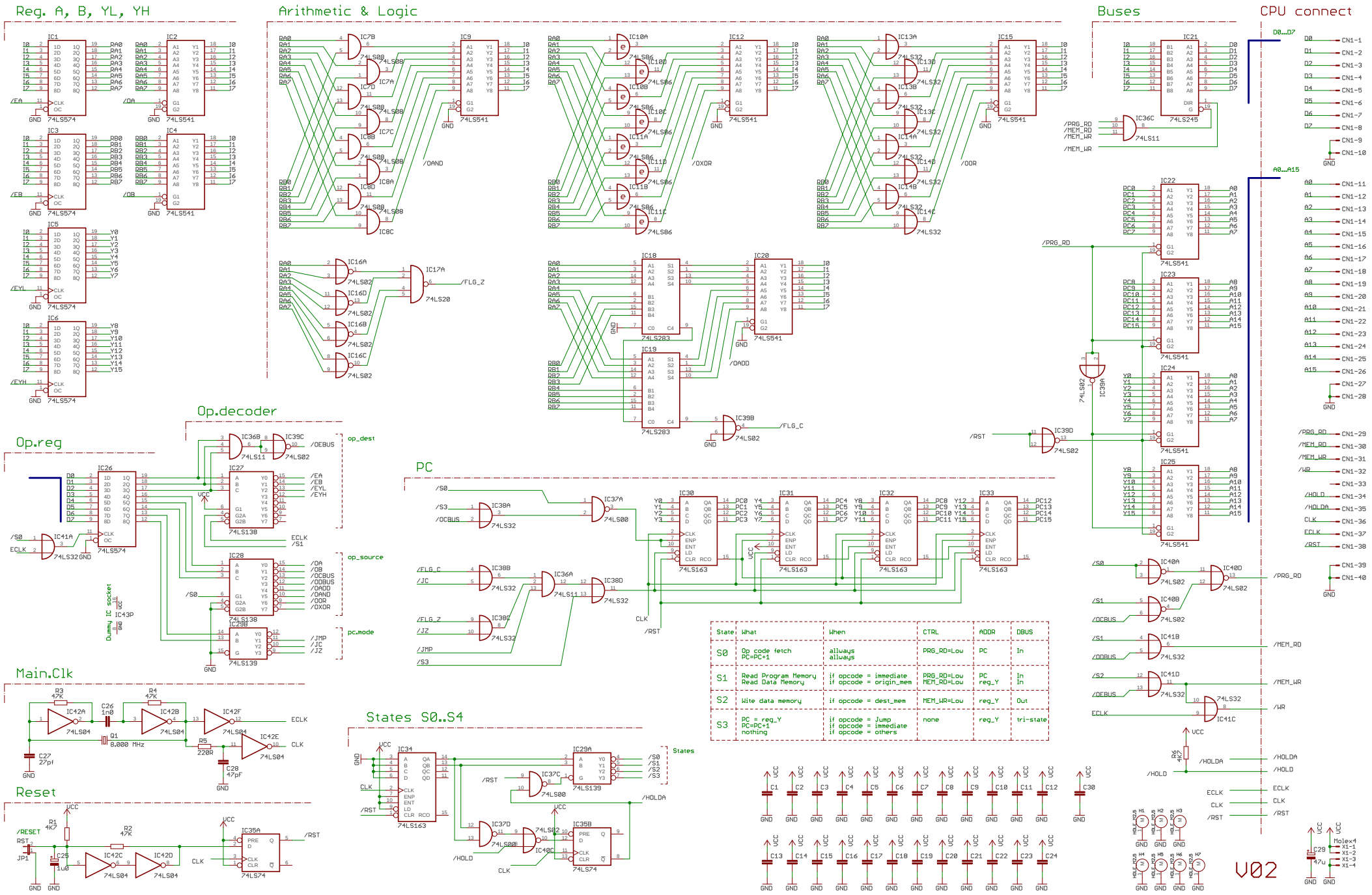

State	What	When	CTRL	ADDR	DBUS
S0	Op code fetch PC=PC+1	allways allways	PRG_RD=Low	PC	In
S1	Read Program Memory Read Data Memory	if opcode = immediate if opcode = origin_mem	PRG_RD=Low MEM_RD=Low	PC reg_Y	In In
S2	Wite data memory	if opcode = dest_mem	MEM_WR=Low	reg_Y	Out
S3	PC = reg_Y PC=PC+1 nothing	if opcode = Jump if opcode = immediate if opcode = others	none	reg_Y	tri-state