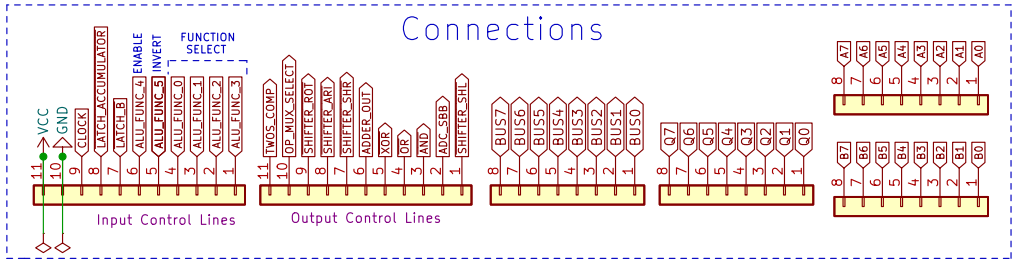
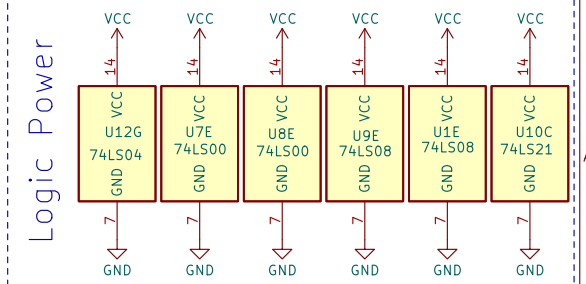
ALU Control Module

A + 1	AND	SHL
A − 1	NAND	SHR
A + B	OR	ASL
A − B	NOR	ASR
A	XOR	ROR
NOT A	XNOR	ROL

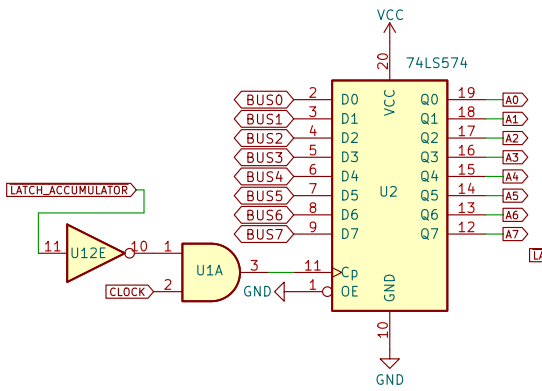
Connections



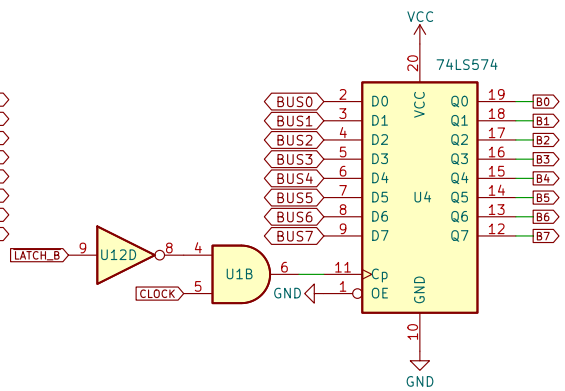
Logic Power



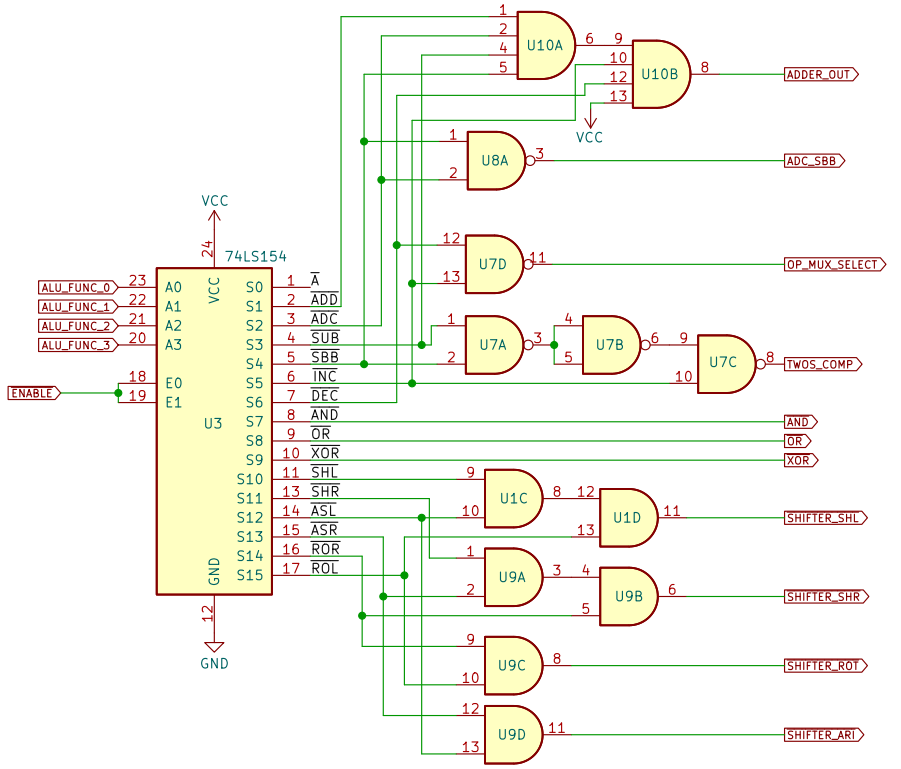
ACCUMULATOR (A)



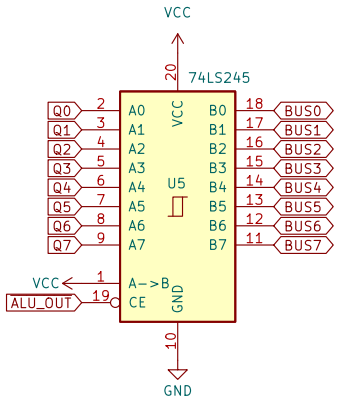
OPERAND (B)



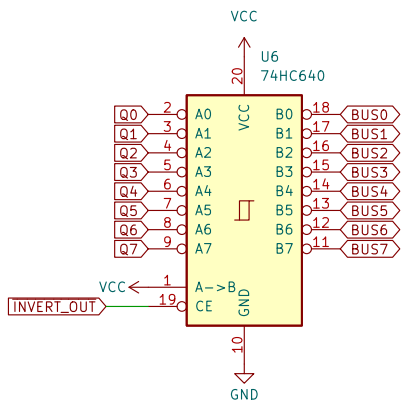
FUNCTION MULTIPLEXER



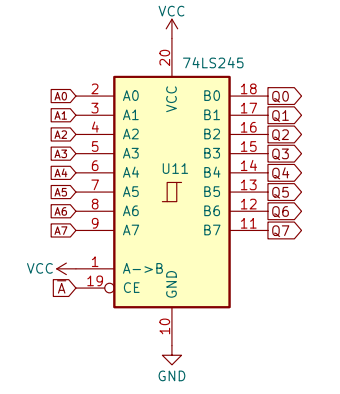
ALU OUTPUT



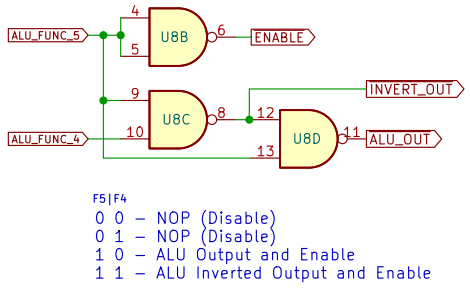
INVERTED ALU OUTPUT



PASS A

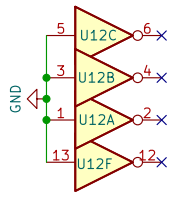


Enable and Invert Control

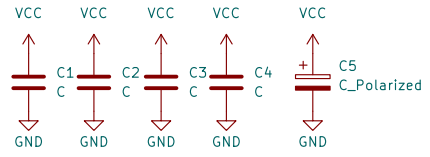


F5|F4
0 0 – NOP (Disable)
0 1 – NOP (Disable)
1 0 – ALU Output and Enable
1 1 – ALU Inverted Output and Enable

Unused



Smoothing Caps



Sheet: /
File: Control_and_Output.kicad_sch

Title:

Size: User	Date:	**Rev:**
KiCad E.D.A. kicad (6.0.0-0)		Id: 1/1