

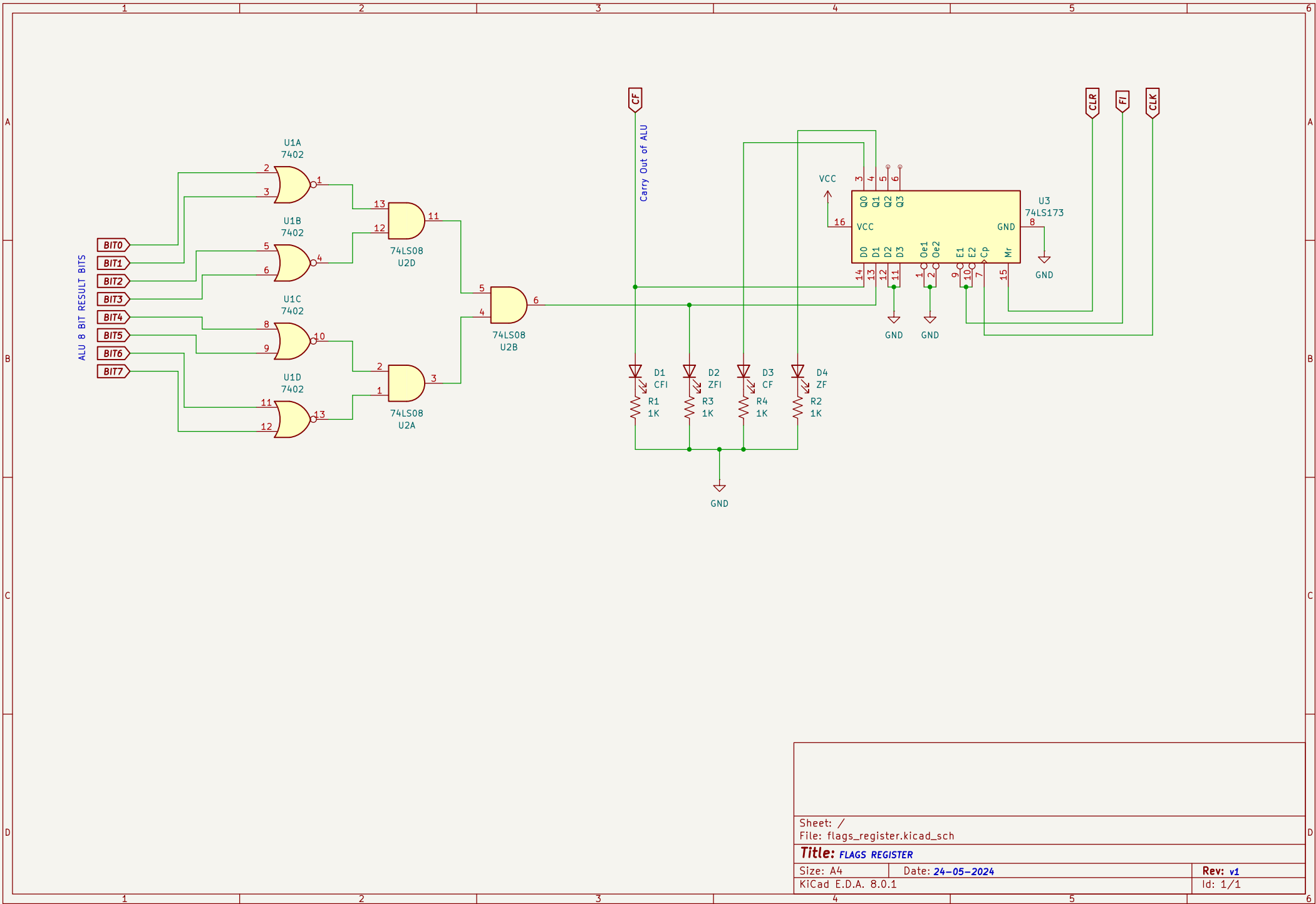
Control Signals: S0(active-low) & SUB
 CF is the Carry Out that goes to Flag register input
 A0-A7 is output of Accumulator & B0-B7 is the output of B register

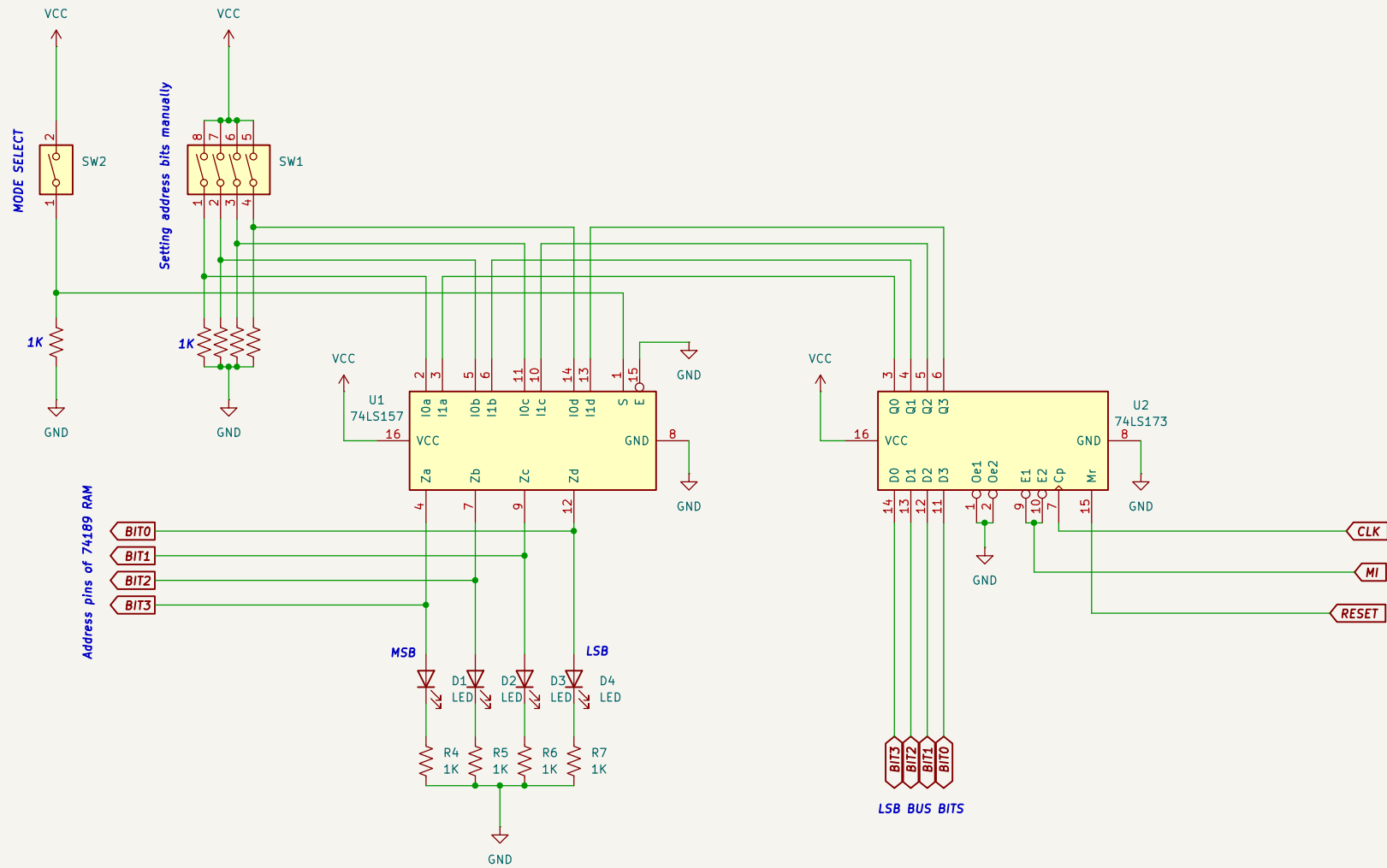
Sheet: /
 File: ALU.kicad_sch

Title: ALU

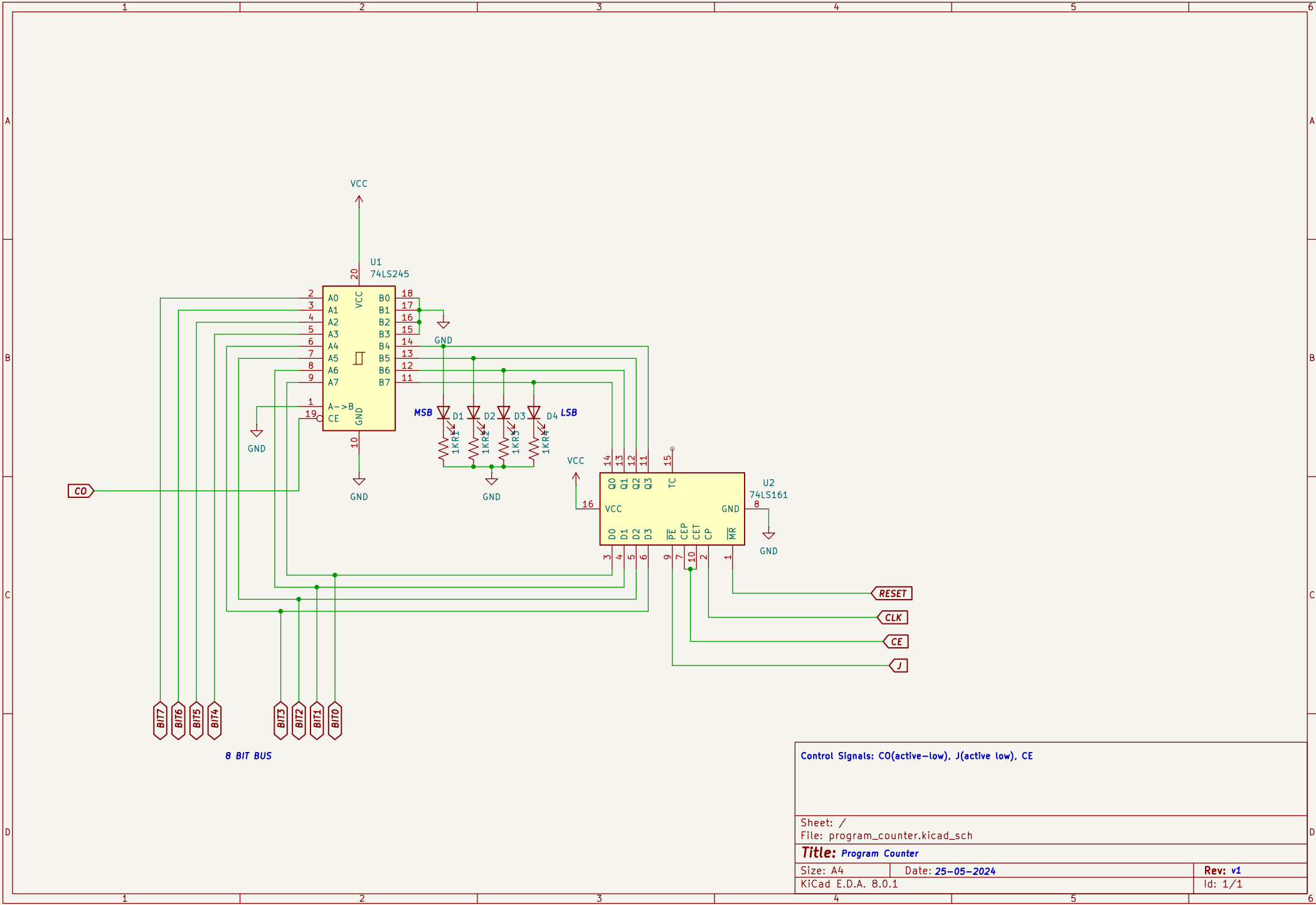
Size: A4
 Date: 03-06-2024
 KiCad E.D.A. 8.0.1

Rev: v1
 Id: 1/1

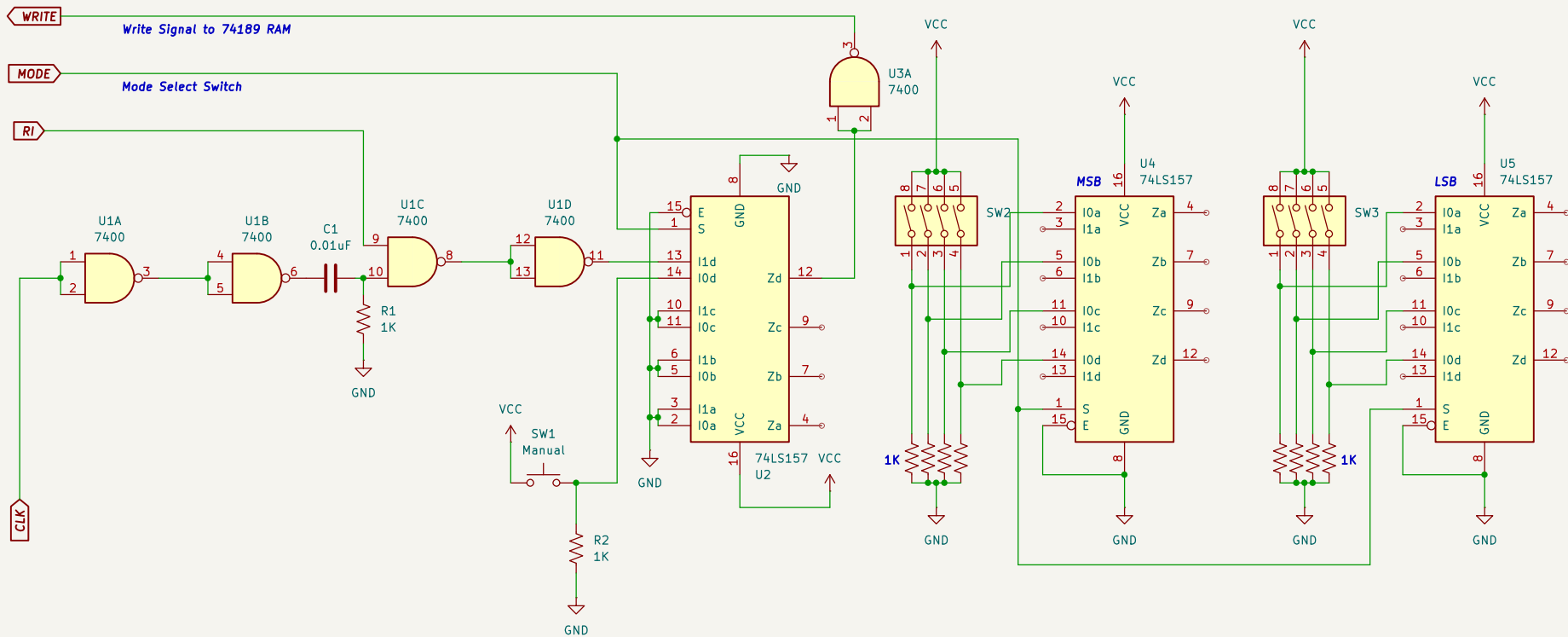




Sheet: /		
File: Memory_address_register.kicad_sch		
Title: Memory Address Register		
Size: A4	Date: 30-05-2024	Rev: v1
KiCad E.D.A. 8.0.1		Id: 1/1



Control Signals: CO(active-low), J(active low), CE		
Sheet: /		
File: program_counter.kicad_sch		
Title: Program Counter		
Size: A4	Date: 25-05-2024	Rev: v1
KiCad E.D.A. 8.0.1	Id: 1/1	



Control Signals: RI		U4(MSB) U5(LSB)
The input pins 3,6,10,13 on U4 & U5 are connected to 74245 on RAM module		
The output pins 4,7,9,12 on U4 and U5 are connected to data inputs on 74189 RAM		
U4 & U5 select 8 bit input data to 74189 between DIP switches (Manual Mode) & 8 Bit BUS		
Sheet: /		
File: ram_interfacing.kicad_sch		
Title: Ram Interfacing		
Size: A4	Date: 01-06-2024	Rev: v1
KiCad E.D.A. 8.0.1		Id: 1/1

