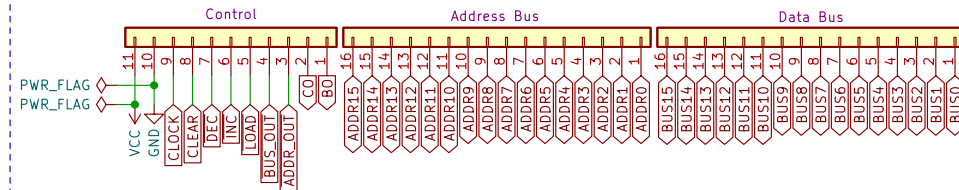


## 16bit Address Register

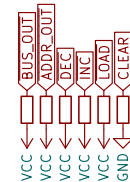
These registers provide functionality to different components such as the Stack Pointer, Program Counter, or any 16bit GPR. They have the ability to INC or DEC without using the ALU.

CLK	DEC	INC	LOAD	BUS	ADDR	
x	H	H	H	H	H	- NOOP
/	H	H	-	-	x	- Load
/	L	H	L	x	x	- Decrement
/	H	L	x	x	x	- Increment

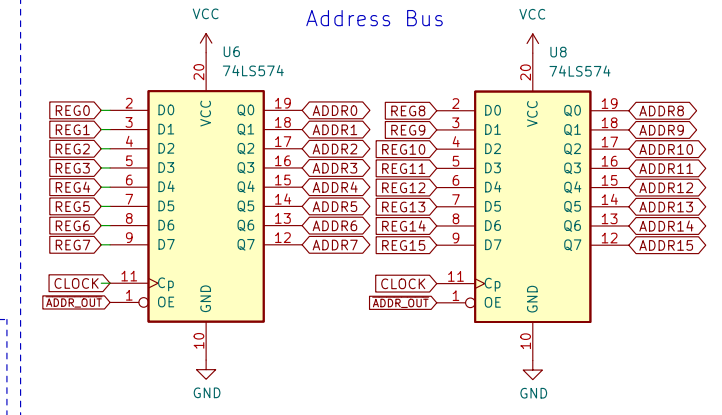
### Connections



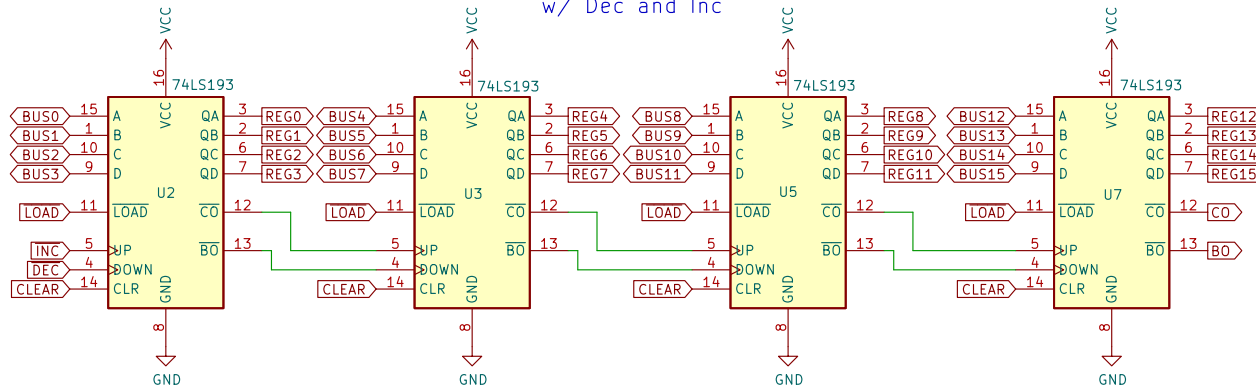
### Pull U/D



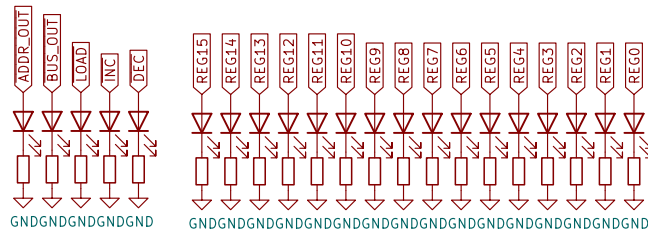
## Output Buffers



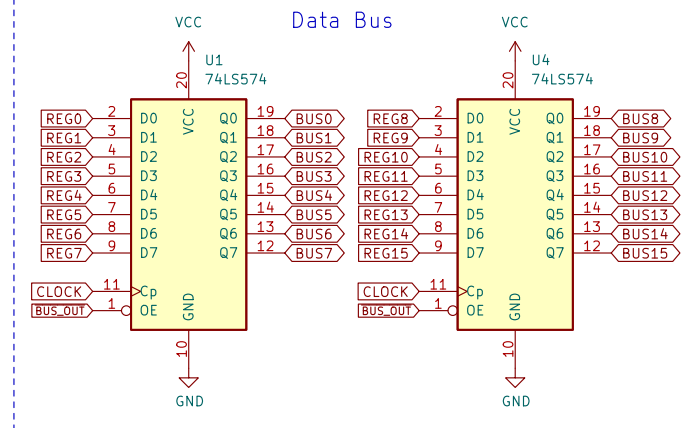
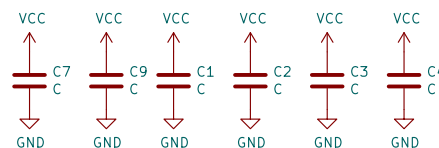
## 16bit Register w/ Dec and Inc



## LED Indicator's



## Smoothing Caps



Sheet: /

File: address-register-smd.kicad\_sch

**Title: 16 Bit Address Register w/ INC and DEC**

Size: A4

Date:

KiCad E.D.A. kicad (6.0.0-0)

Rev: 3

Id: 1/1