





**clee**  
 c1sound.com  
 DIY modular synthesis

Craig Lee 2022  
 Router PCB

# cle Router 4U Module

## BOM

### ICs/ SILICON

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3	DG419 CMOS ANALOG SWITCH	DIP or SO8
2	LM393 COMPARATOR	DIP or SO8
2	CD4013 D-Type Flip Flop	DIP or SO14
1	2N3904	TO92 through hole
4	1N4148	through hole

### RESISTORS

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9	300R	All through hole ¼ watt
2	1K	
4	10K	
3	12K *sets switching threshold	1.3 volts with 12v supply/ 1.6v with 15v supply
3	51K	
6	100K	
10	1meg	
3	2m2	

### CAPACITORS

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3	22p CAPACITOR	All through hole
11	100n CAPACITOR	
2	47ufd POLARIZED CAPACITOR	

### MISC

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2	FERRITE BEAD	through hole
3	3 pin STACKABLE HEADER MALE	.100 spacing male and female stackable header
3	3 pin STACKABLE HEADER FEMALE	
3	4 pin STACKABLE HEADER MALE	
3	4 pin STACKABLE HEADER FEMALE	
1	5 pin STACKABLE HEADER MALE	
1	5 pin STACKABLE HEADER FEMALE	
10	Blue Banana Jack	
3	Red Banana Jack	
1	SPST momentary switch	C&K CK_D6R
3	SPDT Switch	Sub-Mini PCB pin