



# Orange Juice

Build Document

## Capacitors

I obtained all of my capacitors from Tayda. That's what the layout was setup for.

P/N	Value	Type	Notes
C1	47nF	Film Box	
C2	2n2	Film Box	
C3	4u7	Aluminum Electrolytic	
C4	47nF	Film Box	
C5	4u7	Aluminum Electrolytic	
C6	4u7	Aluminum Electrolytic	
C7	4u7	Aluminum Electrolytic	
C8	100uF	Aluminum Electrolytic	25V to fit nicely.

## Diodes

I obtained all of my diodes from Tayda. That's what the layout was setup for.

P/N	Value	Notes
D1	1N34A	I haven't tried it, but you might be able to use a 1N60 or 1N270
D2	1N400x	Polarity protection.
LED		Pick a color. I like 3mm oranges because, well, it's called Orange Juice.

## Integrated Circuits

I obtained all of my ICs from Tayda. That's what the layout was setup for.

P/N	Value	Notes
IC1	TL072	Feel free to try other dual opamps, like a 4558, NE5532, or OPA2134.

## Transistors

Finding 2N5457s and J201s is not easy. As an alternate, consider investigating the MPF102.

P/N	Value	Notes
Q1	2N5457	
Q2	2N5457	

## Resistors

P/N	Value
R1	1M5
R2	28k
R3	470k
R4	390k
R5	2k4
R6	470k
R8	470k
R9	220k
R10	10k
R11	1k5
R12	100k
CLR	6k8

## Potentiometers

I obtained all of these from Tayda. That's what the layout was setup for.

P/N	Value	Notes
BIAS	B10k	3296W Trimpot. I recommend <a href="#">this one</a> .
VOL	B10k	Trimpot. I recommend <a href="#">this one</a> .

## Other Parts

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Qty	Value	Notes
1	3PDT	Get a good stompswitch!

