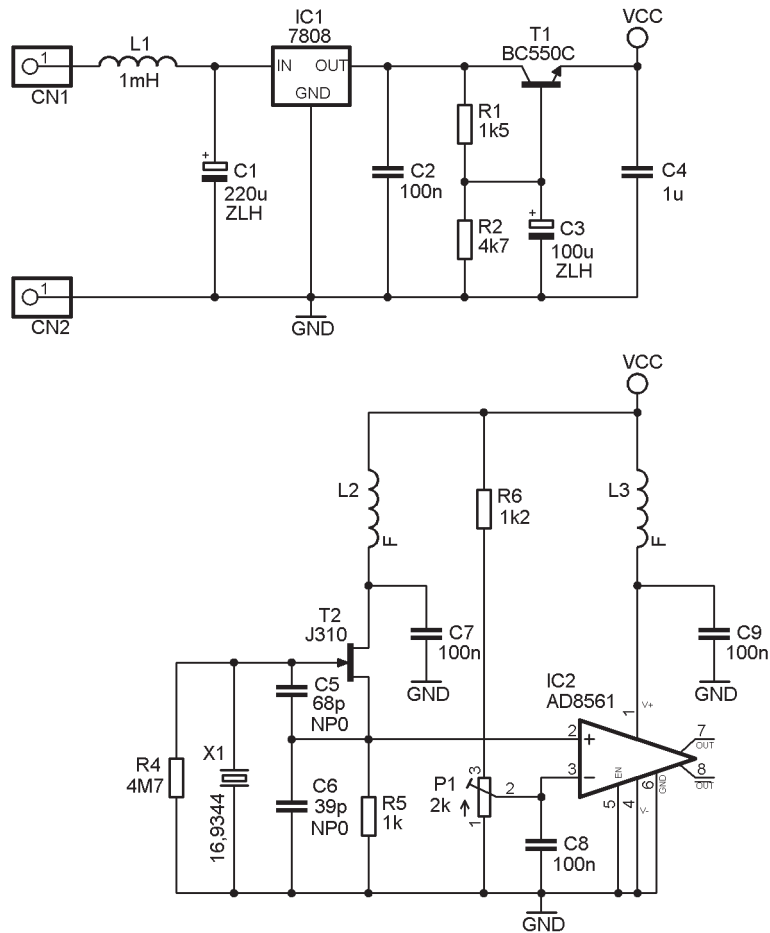


# CD Clock PCB, DIY version by Ray

## Schematic diagram

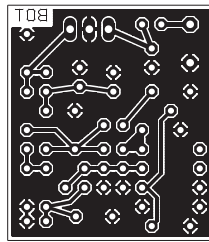


Original Power-supply design by G. Tent, modified by Ray  
Original Oscillator design by E. Kwak, modified by Ray

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# CD Clock PCB, DIY version by Ray

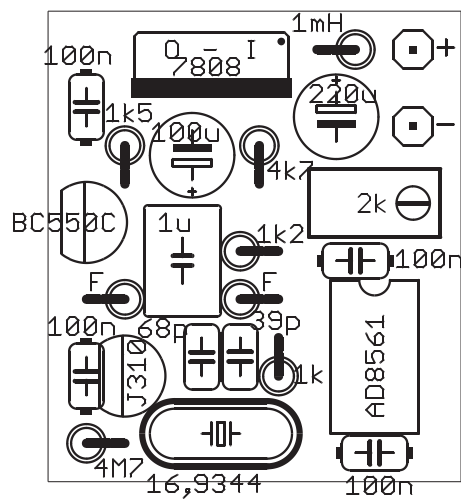
BOTTOM layer



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# CD Clock PCB, DIY version by Ray

SILKSCREEN and component placement



TOP layer

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# CD Clock PCB, DIY version by Ray

## Partslist

Part no.	Value:	Description:	Farnell:
C1	220u/16v	Rubycon ZLH $\varnothing$ 6mm x 2,5mm pitch	812-6305
C2,7,8,9	100n/X7R	ceramic 5mm pitch	750-888
C3	100u/16V	Rubycon ZLH $\varnothing$ 6mm x 2,5mm pitch	812-6283
C4	1u/40V	MKT/MKP 5mm pitch	568-211,110-0589
C5	68p NP0	ceramic 2,5mm pitch	237-024
C6	39p NP0	ceramic 2,5mm pitch	236-998
IC1	7808	regulator TO220	345-8180
IC2	AD8561 (MAX913)	comparator DIL8	960-3867
CN1,2	PCB pin		
L1	1mH	choke axial	608-609
L2,L3	ferrite bead		242-500
P1	2k MT	cermet trimmer 3296Y BOURNS	935-3577
R1	1k5/1%	0,6W, 0207	
R2	4k7/1%	0,6W, 0207	
R4	4M7/1%	0,6W, 0207	
R5	1k/1%	0,6W, 0207	
R6	1k2/1%	0,6W, 0207	
R7	47R/1%	0,6W, 0207, from IC2/pin 8 to SM5872 DAC XTl pin	
T1	BC550C	NPN TO92	109-7289
T2	J309(310)	FET TO92	101-7717
X1	16,9344	crystal HC49S	from player

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