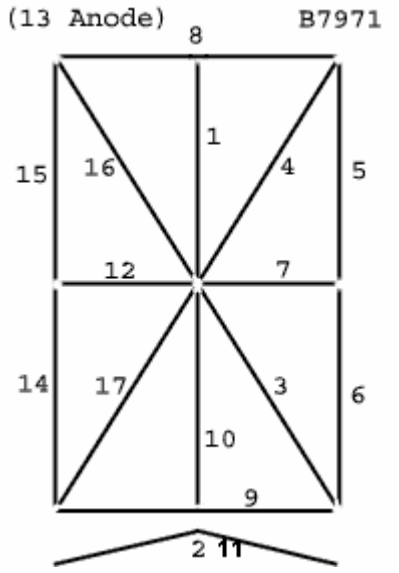
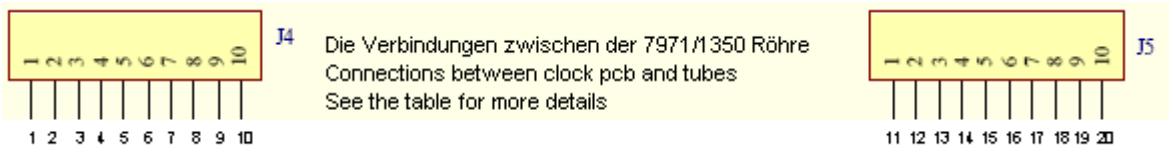
How to build the 2 digit B7971 Clock with the kit version 1.08
Assemble everything as shown in the documentation.
Please download all the schematic for the B7971 before you start.

After having assembled the clock pcb V1.08 according to the documentation, adjust the voltage to 180V DC. The two anodes – one anode from each tube go via two 4,7k resistors to the two first Anode driver outputs on J3 pin 1 and 2.
Pin3 of J3 is not connected. The cathode pin number on the kit is just connected to the same pin number on the B7971 sockets. Pins 18, 19, 20 on kit are left unconnected. The cathodes of both tubes will have to be connected in parallel.



See 2 /11 – they are the underline that lights up when the clock is in set mode. Pin 2 and 11 are internally connected in the B7971 tube, so of course only pin2 has to be connected to pin 2 on the tube. Pin 11 on the clock kit is left unconnected.



The numbers 1-20 in the table correspond with J4 (1-10) and J5 (1-10) as shown in the picture above.

Table showing the segments of the B7971

Burroughs 7971 Segment	**Clock pcb pin**
1	1
2 (underline)	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
12	12
14	14
15	15
16	16
17	17
Anode 13	Anode J3 Pin1 for tube 1 /Pin 2 for tube 2 (Pin 3 is not used)

The B7971 has to be connected the way shown in the table. All the other information about the clock can be found in the documentation 5.8.