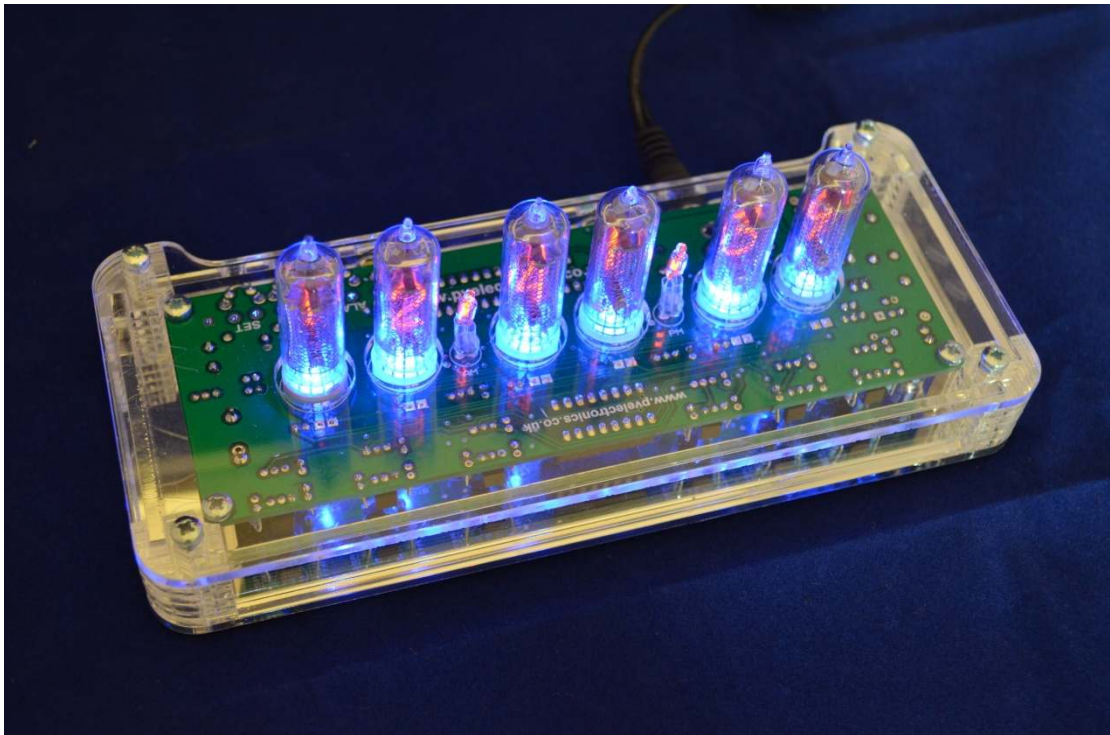


Assembly Notes

Plexiglass Case For Nixie Clock



REVISION HISTORY

Issue Number	Date	Reason for Issue
2	25 March 2013	Biquinary Case added
1	13 August 2012	New document

1. APPLICABILITY

This case is suitable for the following Nixie Clocks:




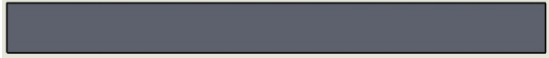
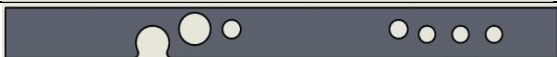

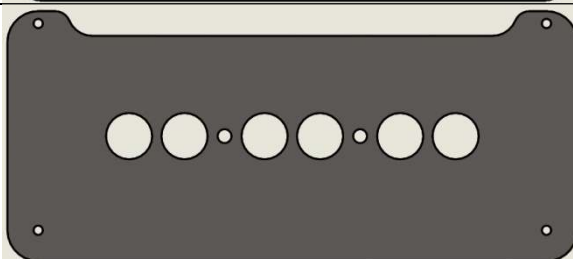



'Biquinary' PCB Date 31 October 12

'SixNix': PCB date 19 July 2012

'LTC18' : PCB date 14 June 2012

'LTC1040': PCB date 28 January 2012

2. PACK CONTENTS

Component	Qty SixNix Biquinary	Qty LTC	Further info
Front connector	10	10	
Rear connector	10	10	
Case side	2	2	
Case front	1	1	
Case back	1	1	
Case base	1	1	
Case top	1	1	
M3 X 6mm screw	16	20	
M3 X 15mm hex threaded spacer	4	4	
M3 X 11mm hex threaded spacer	4	6	
Polyurethane rubber feet	4	4	

3. ASSEMBLY NOTES

3.1 Prepare the PCB

Ensure that the tube side of the PCB has all the component leads trimmed as short as possible, and in all cases less than 2mm.

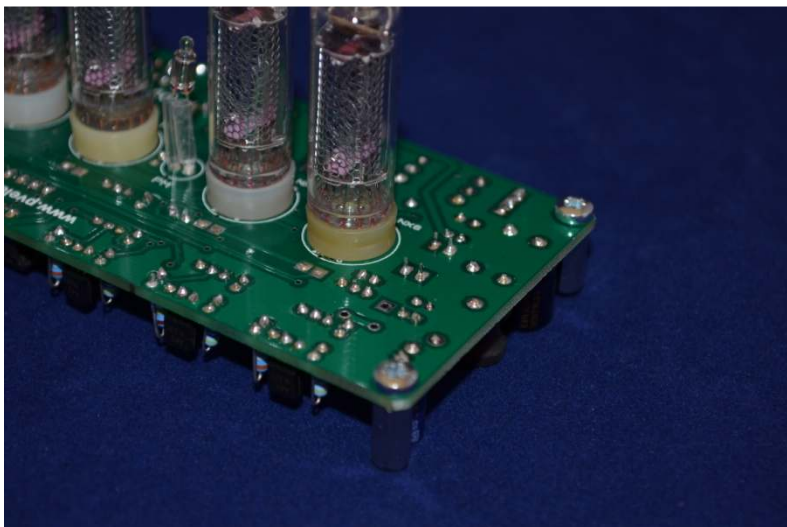
On the component side, ensure all components are mounted CLOSE to the PCB, so that the maximum height of any component is 13mm above the PCB

3.2 Mount the 11mm hex spacers on the PCB

Select the components as shown below. Note that for LTC18 and LTC1040 you will use six hex spacers and six screws.



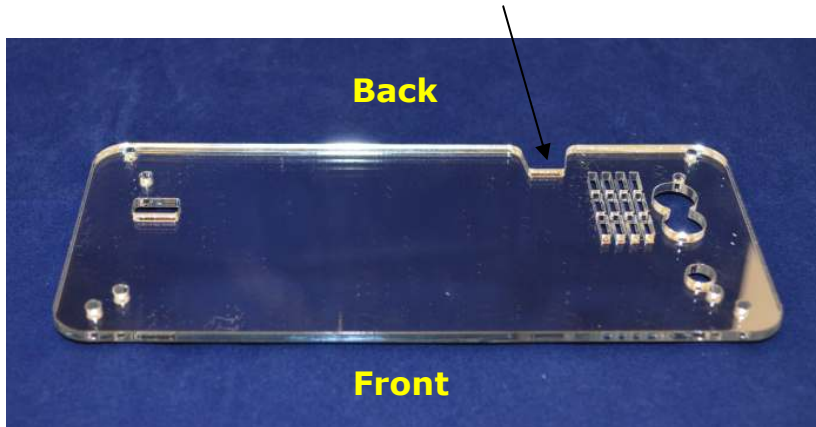
Mount the components onto the PCB as shown below. Do this for all PCB mounting holes:



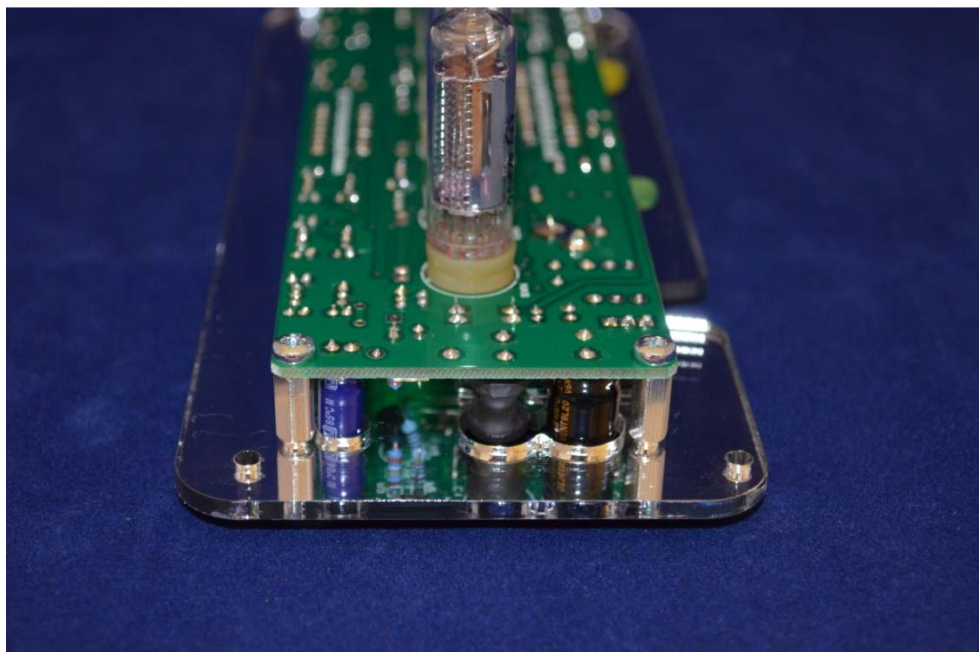
3.3 Mount the PCB on the base:

First, remove any protective film from the base and also from all other plexiglass components.

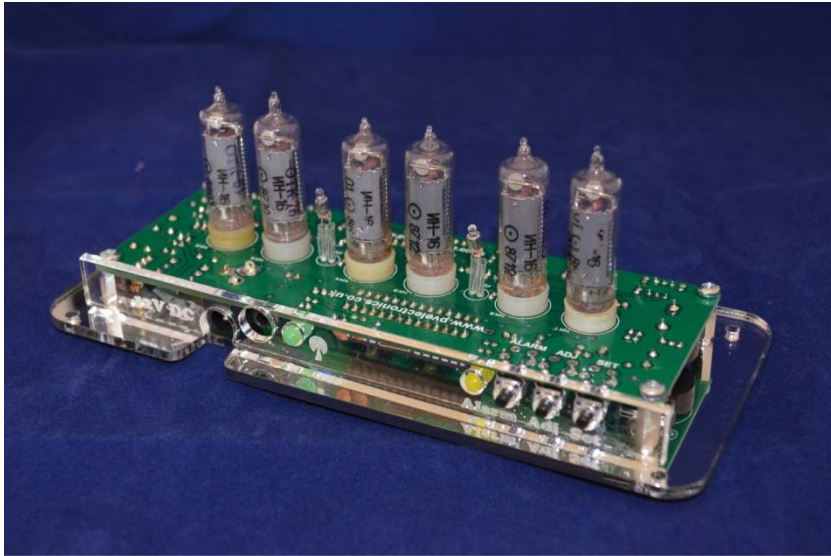
Pay attention to the front and back of the base. The back of the base has a tapered cut out.



Using M3 X 6mm screws, screw the PCB to the base as shown below:



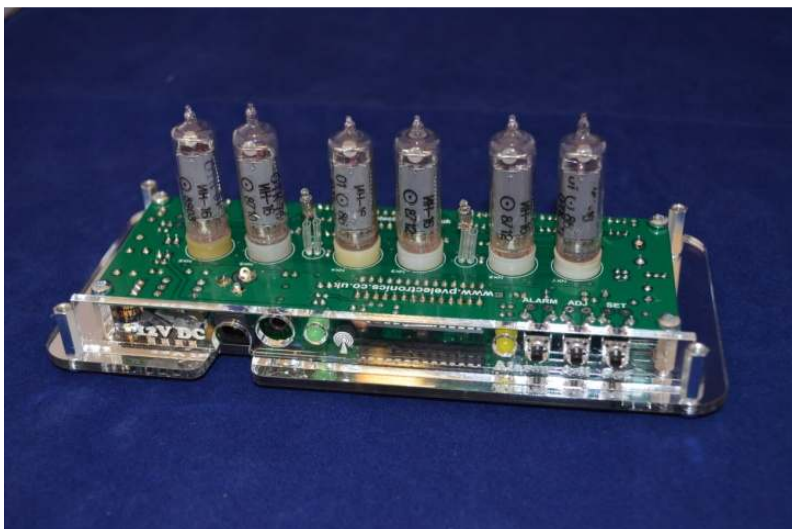
3.4 Put the back panel loosely into place



3.5 Mount the 15mm hex spacers on the base of the case Select the components as shown below.

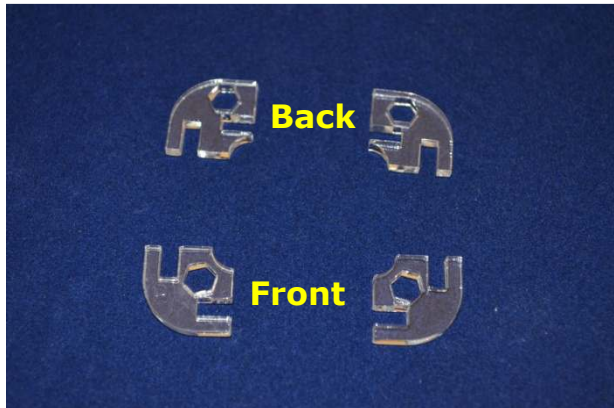


Mount the components onto the base, as shown below. Do this for all four base mounting holes, leaving the screws finger tight.



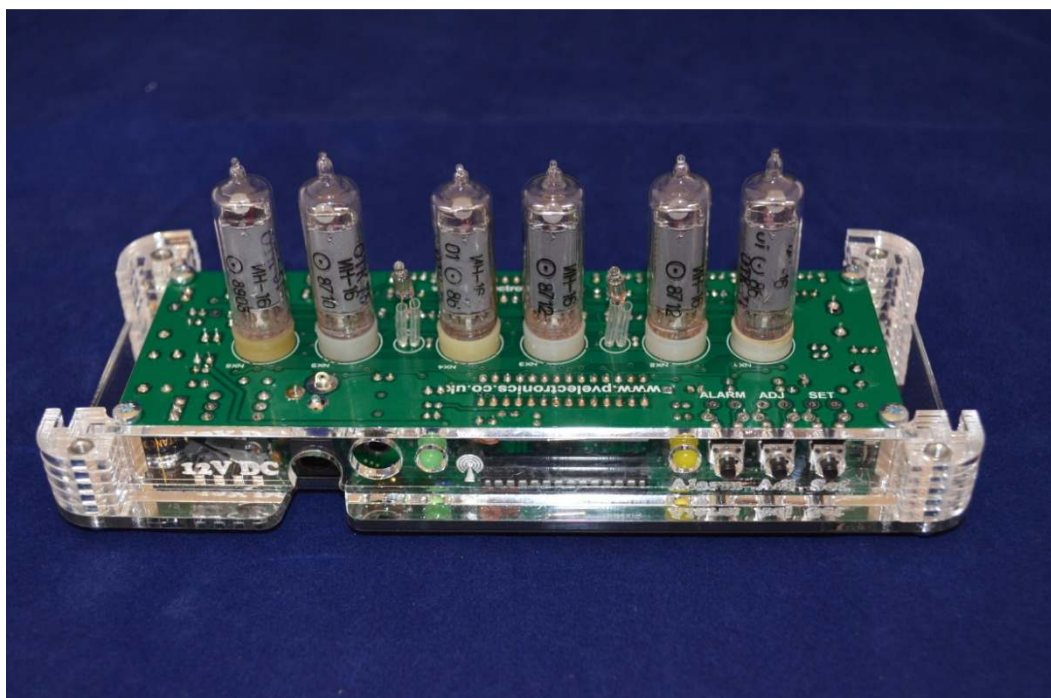
3.6 Identify the front and back connectors

Note the different shape of the front and back connectors. Ensure any protective film has been removed:



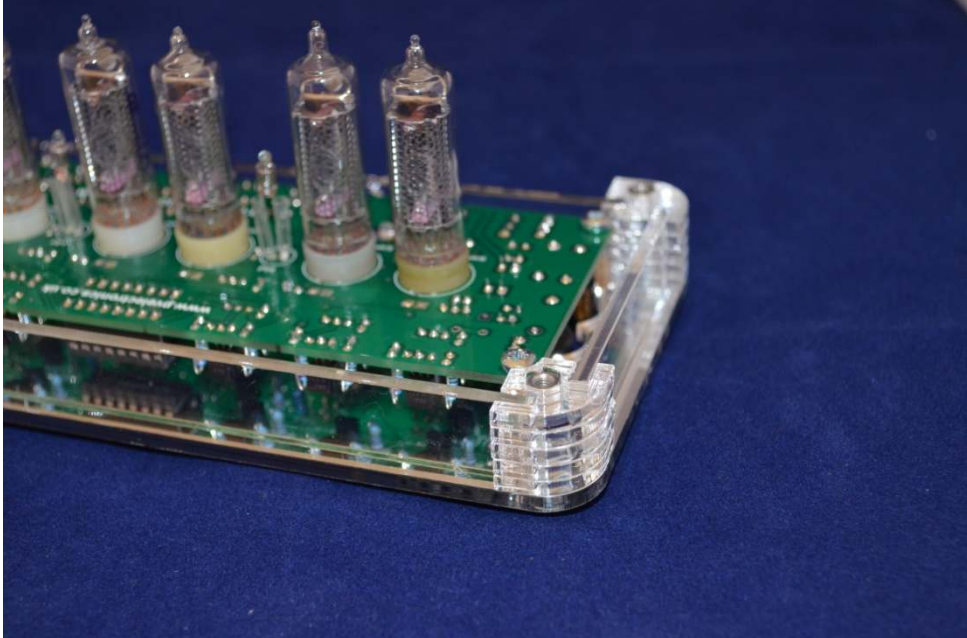
3.7 Assembling the case (1)

Slide five rear connectors over each of the two rear hex spacers and five front connectors over each of the two front hex spacers.



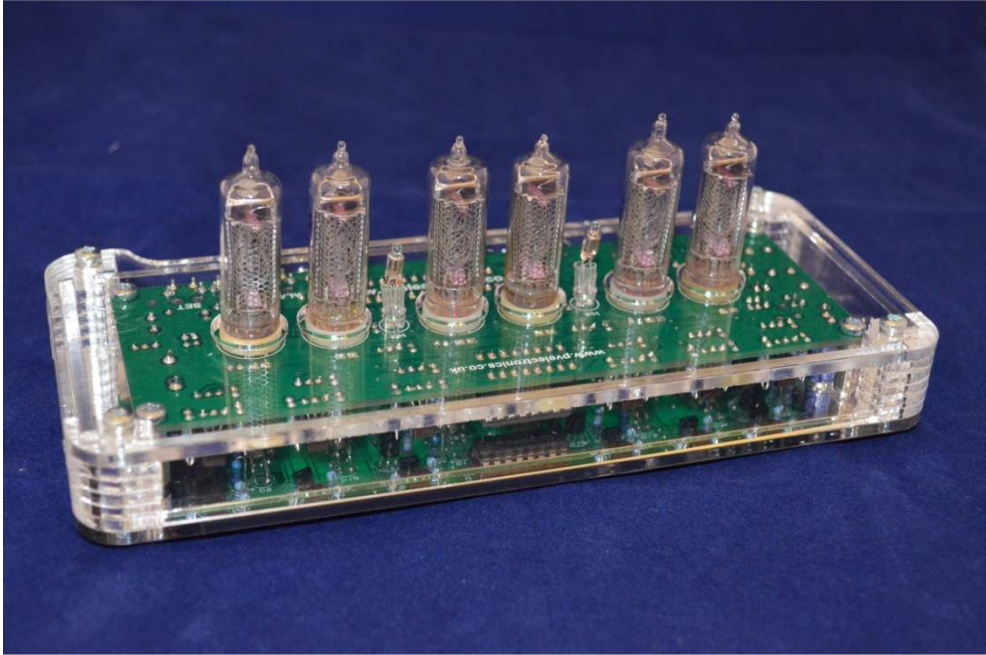
3.8 Assembling the case (2)

Slide the front and both side panels into place as shown below:



3.9 Assembling the case (3)

Now place on the top cover and secure with the remaining M3 X 6mm screws. You can now gently tighten the four corresponding screws on the base of the case that were left finger tight in step 3.5



3.10 Final Assembly

Finally, place the four rubber feet as shown below:

