

Assembly Notes

Aluminium Case For Nixie Clock QTC, QTC+ and Elite



REVISION HISTORY

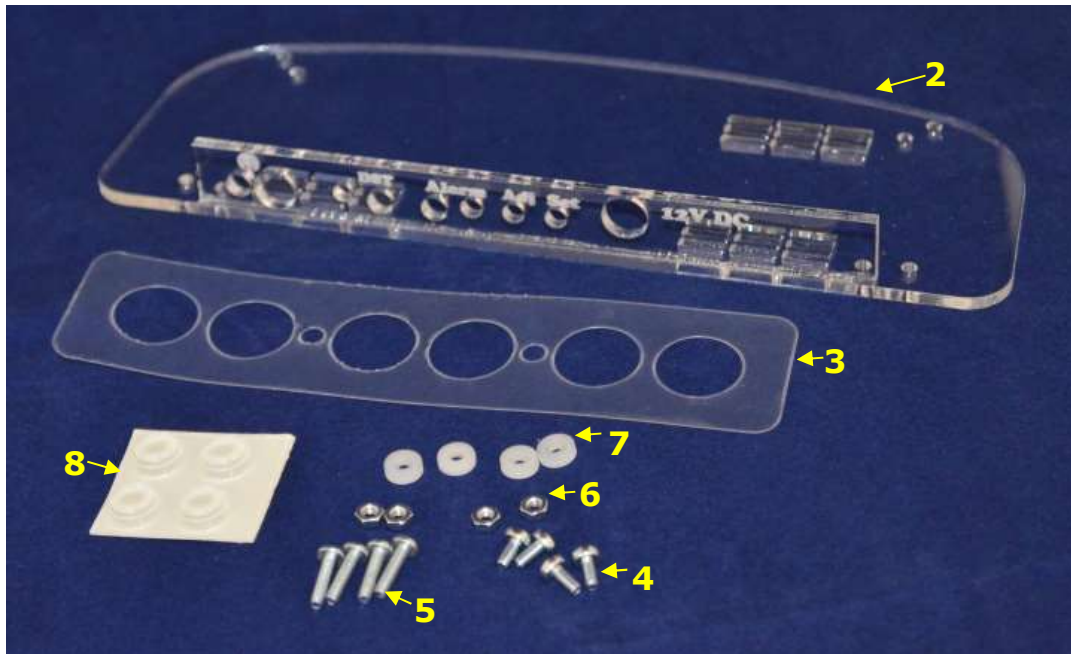
Issue Number	Date	Reason for Issue
2	10 August 2020	Added detail for getting the 2 neons through the holes
1	20 June 2012	New document

1. APPLICABILITY

This case is suitable for all versions of the QTC, QTC+ and Elite.

2. PACK CONTENTS

Number	Component	Qty
1	Aluminium case	1
2	Plexiglass base cover	1
3	Insulating spacer	1
4	M3 X 6mm screw	4
5	M3 X 12mm screw	4
6	M3 nut	4
7	2mm plastic spacer	4
8	Polyurethane rubber foot	4



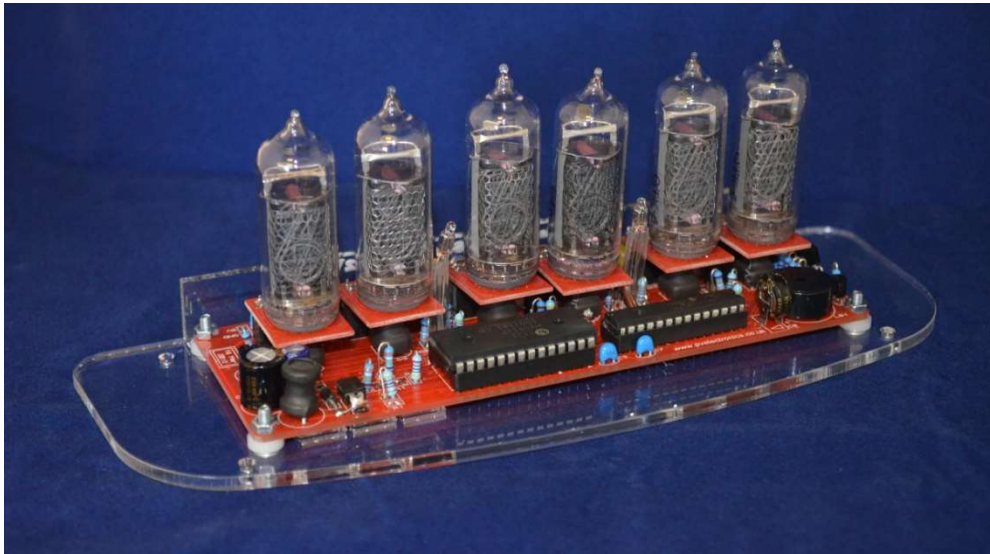
3. ASSEMBLY NOTES

3.1 Prepare the PCB

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

3.2 Mount the PCB on the Plexiglass base

Mount the PCB using the four mounting holes as shown below:

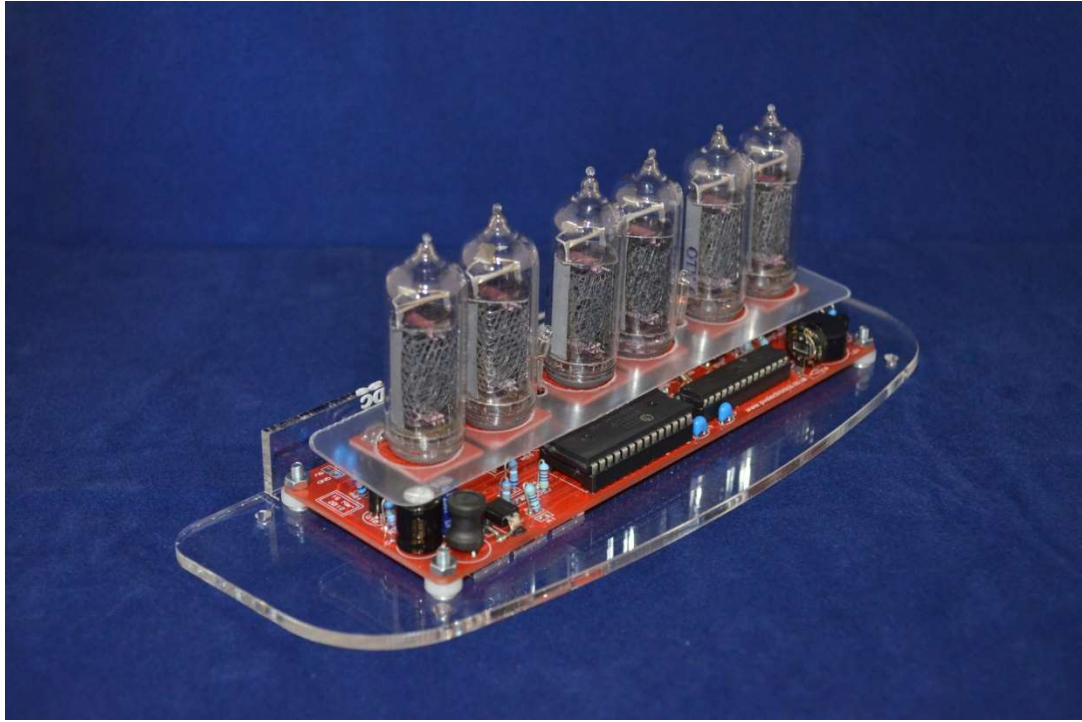


At each corner attach the M3 X 12mm screw, M3 nut and the 2mm plastic spacer.



3.3 Attach the insulating spacer

Slide the spacer over the tubes as shown below:



3.4 Getting the neons through the holes

You can get both neons through. Its fiddly but not so bad. Get them all lined up, and push the 2 higher neons through first, and then push the PCB higher so the lower neons line up with and enter the holes. Then, critically, PULL the higher neons, which will draw the lower neon through the hole due to the friction between the higher neons insulation and the lower neon being greater than the friction between the lower neon and the metal. But the lower neons must be lined up and the tips already showing before you draw them up by pulling the upper neon

Use four M3 X 6mm screws to secure the base to the case. Finally place the four polyurethane rubber feet, as shown below:

