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# Soigeneris MitKey\_KIT

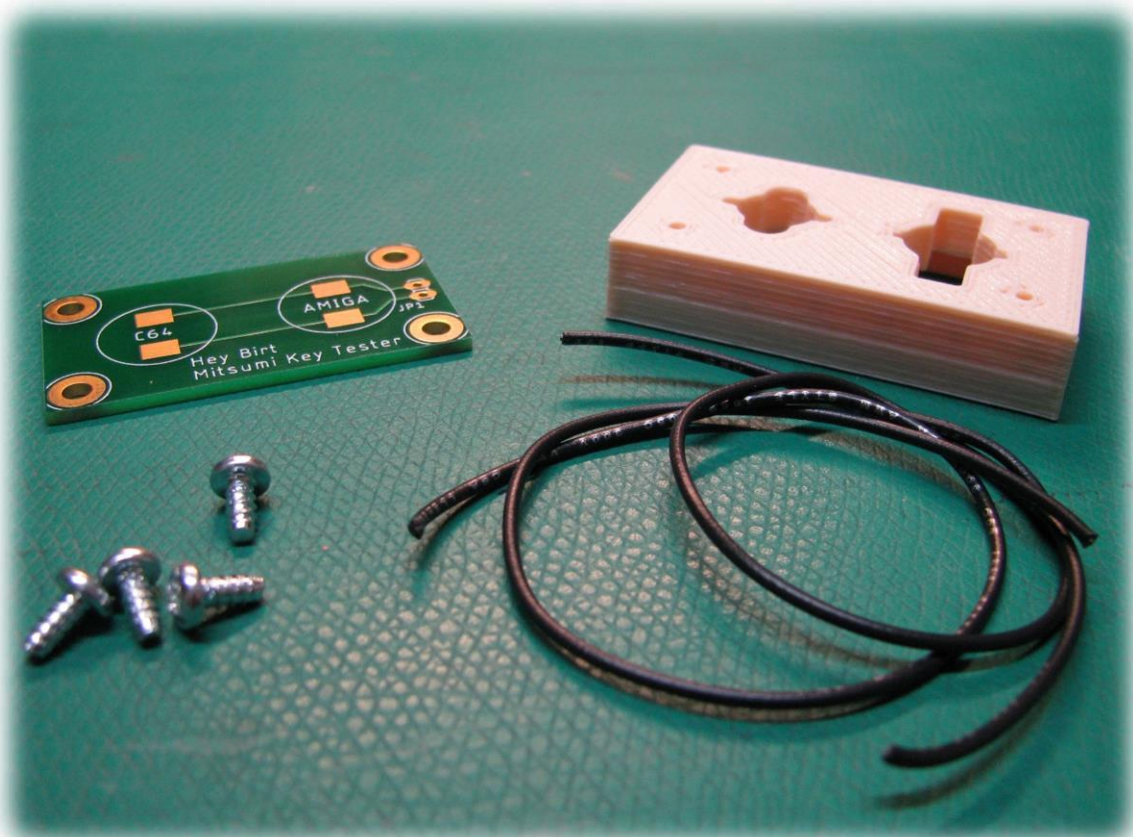
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Hey Birt! Amiga, C64,  
C128 key stem tester

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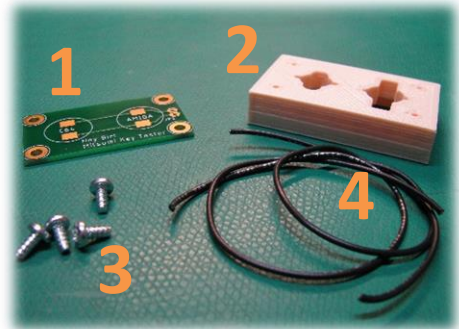
User's Manual V1.0

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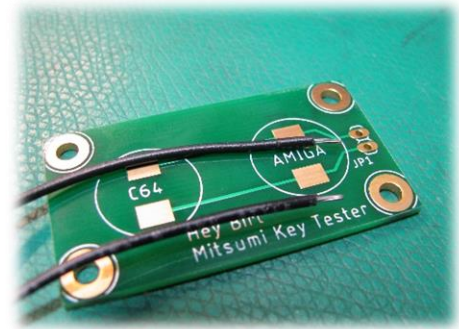
## What's Included in Kit

- 1) PCB, ENIG (gold) finish
- 2) 3D Printed housing
- 3) Screws, #4 or 3mm
- 4) #24AWG wire, 8" length, 2 pieces

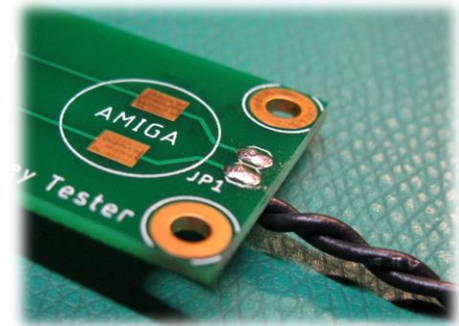


## Directions

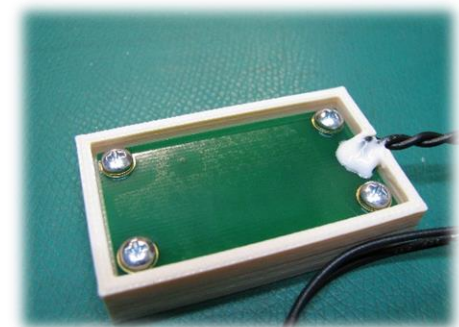
- 1) Strip about 3mm (1/8") from ends of wires.



- 2) Insert wires from bottom of PCB, solder and trim

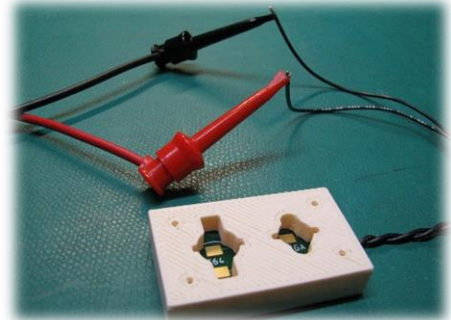


- 3) Place PCB into housing, secure with 4 screws. A small dot of silicone or E6000 glue makes for a good strain relief.



## Usage

1) Connect ohmmeter to key tester leads.



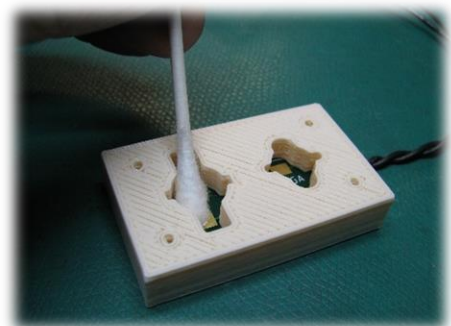
2) Clean rubber key contact with alcohol.



3) Insert key stem into matching aperture press lightly and take resistance reading.



**TIP:** If gold contacts on PCB become dirty, clean very lightly with an alcohol-soaked cotton swab.





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## Notes

Experience has shown that for Amiga, C128 and C64 keys that about 200ohms resistance of the key contact rubber is normal. The maximum resistance that seems to be OK is about 1KOhm.

The rubber can be cleaned to rejuvenate its conductive properties. A complete how to video can be found at: <https://youtu.be/n9gGz2n-sBU>

This is an open source project created by Jeffrey T. Birt, a.k.a. 'Hey Birt!' Project files can be downloaded from the link below.

Github repository: [https://github.com/Jeff-Birt/C64\\_C128\\_Amiga\\_Mitsumi\\_Key\\_Tester](https://github.com/Jeff-Birt/C64_C128_Amiga_Mitsumi_Key_Tester)