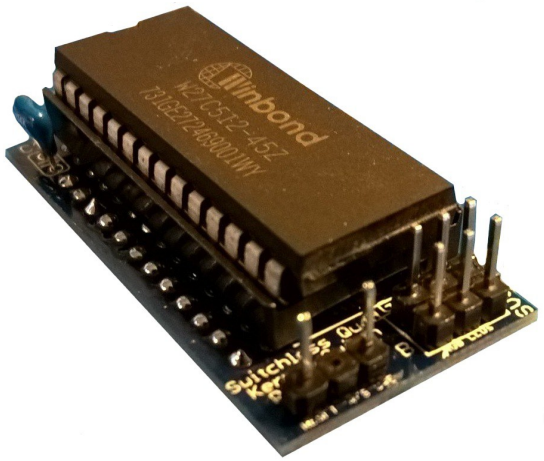
SKS64

Switchless Kernal Switcher

a Switchless Quad Kernal Switcher design for the C64 and C64C

User Guide



Introduction

The Switchless Quad Kernal Switcher turns your C64 into a flying raspberry flavoured pumpkin that can boost the performance of your computer. It is high on itself and makes your C64 smoke out of the I/O ports. It is UL94 rated, so no flames though. Wear eye protection. Selected Kernal is indicated with a color power indicator. Maybe you just need a 24-28 adapter, the Switchless Quad Kernal Switcher is just what you need.

The selection mode is entered by holding RESTORE for 3 seconds, and is indicated with a slight flash on the red LED. Subsequent presses scrolls through your four ROMs of choice. The C64 resets into the select Kernal after about two seconds of no activity.

There is also a C64C version, for people who are fortunate to have 250469 PCB boards. Note that some C64C looking cases may have C64 motherboards ! You have to open it up to see.

Nobody... Nobody, rain on my parade !

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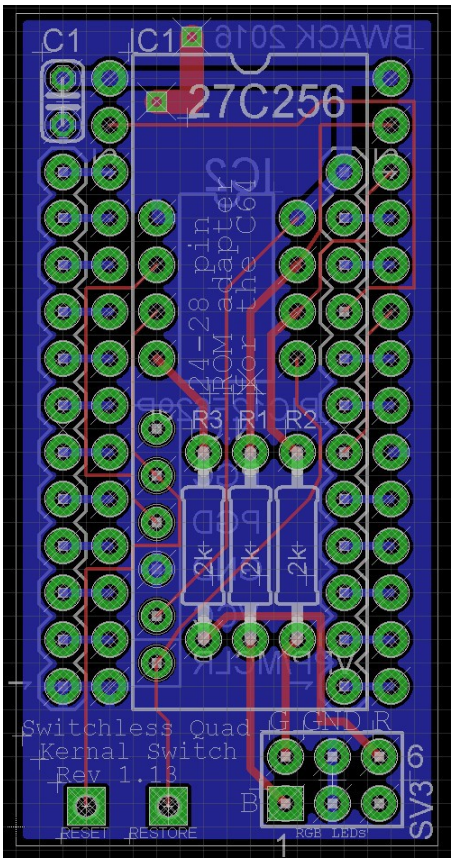
Board overview



Use Examples

- Simple 28 to 24pin rom adapter
- Quad Kernal Switcher: original, jiffydos, exos, and datel

Board Assembly

- how to make the board
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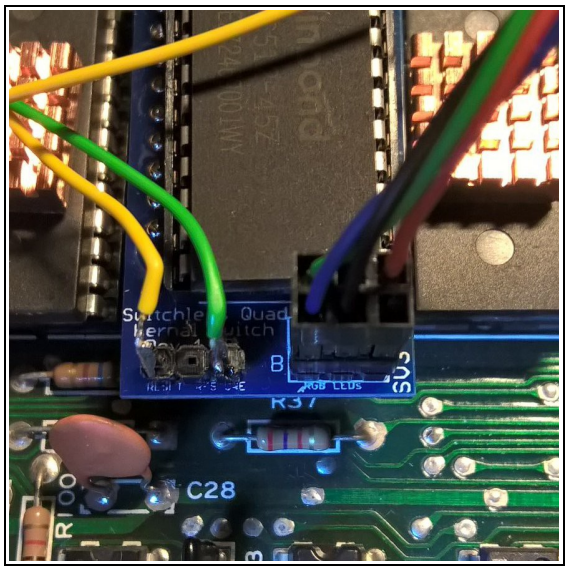
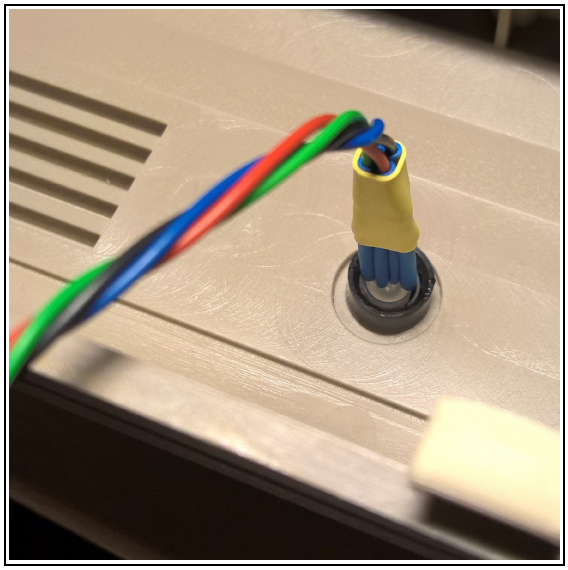
Installation

- Locations of the INTRES and RESTORE signals
- show images of different C64 motherboards and bubble-zoom closeups of where to attach intres and restore

The RGB LED Cable Assembly

- Ask Thilo or Brian on twitter if we can use their excellent build pictures of the LED cable assembly.
- **4PIN 5mm RGB LED - Tri-Colour 3 in 1 - Frosted Diffused Common Cathode**





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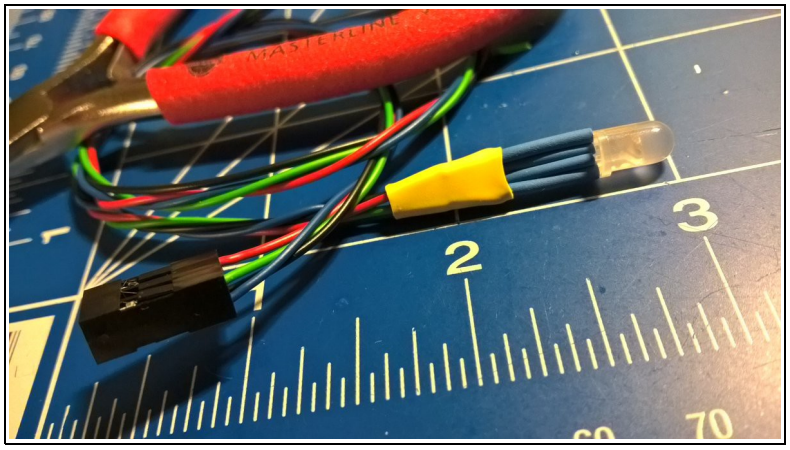

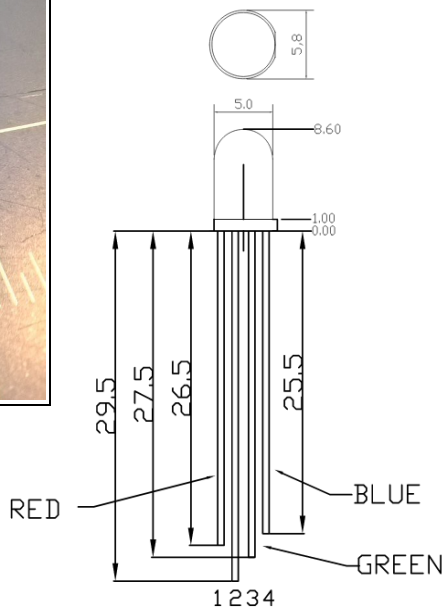

Programming the PIC microcontroller

Board Layout

Schematics

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