

The Oric Power Switch

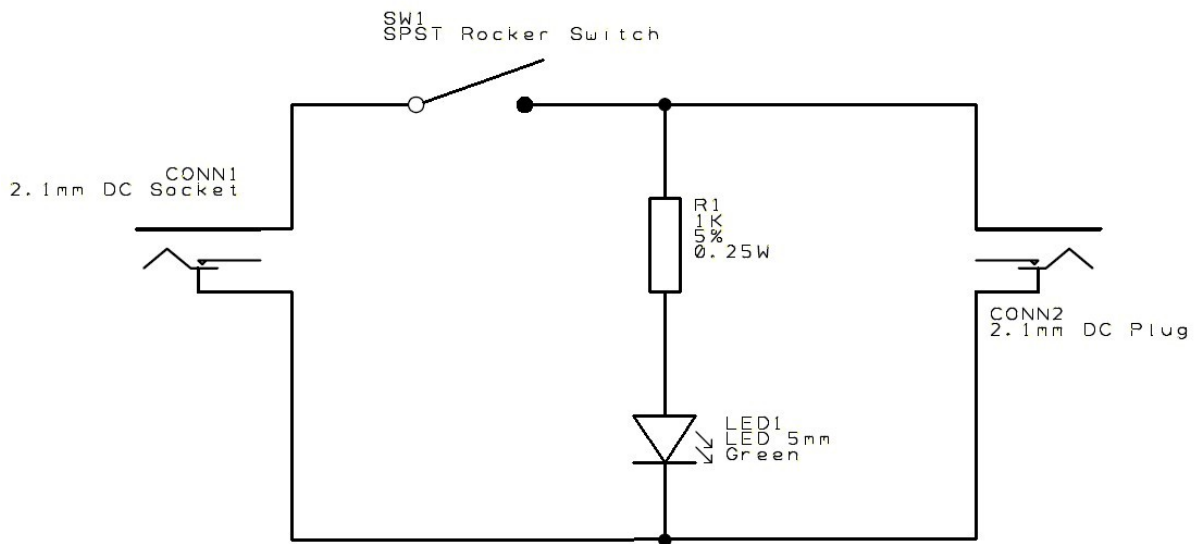


Like many home computers of the early 80's, the Tangerine Computers Oric-1 does not have a power switch. When you need to reset the computer you have to remove the power plug from the computer. This wears out the power socket on the computer causing intermittent power and eventually failure.

This is just a quick and simple project to resolve this annoyance with the Oric home computer. The basic premise is a switch that can be plugged in-line with the power supply.

The Oric power supply has a 2.1mm DC jack plug so all that is needed is a 2.1mm socket, 2.1mm plug with a switch in between. The power supply then plugs into the 2.1mm socket and the 2.1mm plug plugs into the Oric. An LED with suitable resistor can be connected to the output side of the switch to indicate when the power is on.

The circuit diagram is as follows;



I decided to house this simple little circuit in a small project box. All the required parts were obtained from my local Maplin.

Parts List:

| Qty | Part No. | Item Description | Notes |
|-----|----------|----------------------|-----------------------------------|
| 1 | JK09K | 2.1mm DC Socket | Chassis Mount |
| 1 | HH60Q | 2.1mm DC Plug | Mounted directly into project box |
| 1 | RD19V | SPST Rocker Switch | |
| 1 | M1K0 | Resistor 1K 0.25W 5% | |
| 1 | WL28F | LED 5mm Green | |
| 1 | UK15R | LED Bezel 5mm | |
| 1 | KC92A | Project Box | |

The finished project...

