**C64 Kernal Adapter/Switch (Long Board) Rev. 1**

**Testing**

A further testing of Rev. 1 is not required since the changes are marginal. The PCB is in daily use without any problems. The following tests were conducted with Rev. 0.

An image file for programming an EPROM was set up.

|  |  |  |
| --- | --- | --- |
| 8k Block | Addr. Offset | Firmware |
| #0 | 0x0000 | Original Kernal |
| #1 | 0x2000 | JiffyDOS |
| #2 | 0x4000 | JaffyDOS |
| #3 | 0x6000 | ExOS v3 |
| #4 | 0x8000 | SpeedDos |
| #5 | 0xA000 | DolphinDos |
| #6 | 0xC000 | TurboTape |
| #7 | 0xE000 | Modified Original Kernal |

Table 1: Firmware Setup

A M27C512 EPROM (ST, 100ns) was programmed using a XGecu TL866 II Plus programmer.

The EPROM was inserted into the module, the module was installed in the socket of U4 (KERNAL) on an ASSY250407 Rev. B mainboard.

The jumper configured: A15 set, A14 set, A13 set.

The C64 was switched on. The commodore kernal booted, different software was loaded and executed: everything seems to be working.

The jumper setting was modified to start one alternative kernal after the other. The kernal all booted and a variety of software loaded and executed without problems.

Finally, the jumpers were configured for JiffyDOS and the C64 was used for a couple of days without any problem.

Since the pin compatibility with other EPROMs (27C256, 27C128, 27C64) is widely proved, it is assumed, that this kernal adapter works with them as well.

Conclusion: The C64 Kernal Adapter/switch is fully functional.