

Blog Export: ZX-81's web site, <http://zx81.zx81.free.fr/serendipity/>

Sunday, April 16. 2023

Multi-cart for intellevision

Hi Folks,

Please find below some information to make your own multi-games cartridge for your Intellevision console :

You can find all the details on the original author site :
Aotta's github

In order to build your PCB you will need the following gerber files :
gerber

In that version (alpha) you need to patch the PCB are visible on the picture, to ground one of the pin of the cartridge.

Here is the BOM :

- Two standards leds :
 - D1 : LED (power on)
 - D2 : LED (status)
- Resistances :
 - R1 : 220 ohms
 - R2 : 220 ohms
 - R3 : 1k ohms
 - R4 : 1k ohms
- Capacitance (104)
 - C1 : 100nF
 - C2 : 100nF
 - C3 : 100nF
- Push buttons 4Pin 6x6x5mm
 - SW1 & SW2 : switch
- Integrated Circuits :
 - U1,U2,U3 : 74LVC245 (Dip 20)
 - Teensy 4.1 (Look at thepihut.com to find affordable version)
- Led screen :
 - Oled Module 0.91" (For Arduino)
- Support :
 - For the Teensy & Led screen

Once everything is soldered on the PCB, you will need to program the Teensy 4.1 using IDE software for arduino. You may have to install missing libraries and device components for the Teensy 4.1

You can then use my own version of the software, adapted for the Secam (french) console :
<https://github.com/zx81zx81/RTO-Cart-secam/blob/main/RTOCart/RTOCart.ino>

The remaining complex step is to write a .cfg file corresponding for each game you install on the SD card. All games that required the ECS are not supported.

Enjoy,

Zx

Posted by zx-81 in Intellivision at 16:47

Sunday, October 5, 2014

Video Mod for Intellivision Secam console

Hi all,

I would like to share with you a video modification I realized recently for the Intellivision console (SECAM version). It lets you connect your console to a TV using a standard RCA/composite cable.

The photo above shows where to connect wires on the daughter board (SECAM version), and below you get the schematic to use for this video modification.

Cheers,

Zx

Posted by zx-81 in Intellivision at 14:35