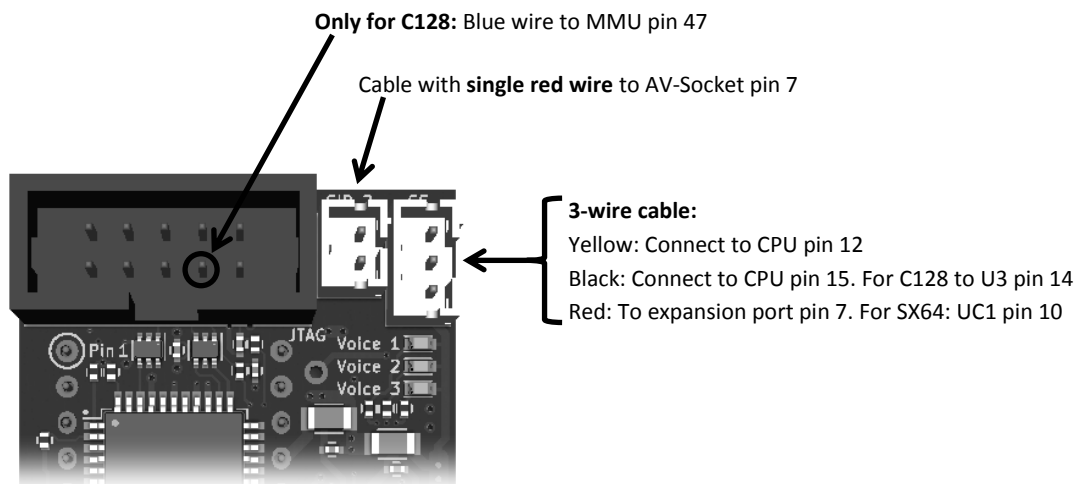# FPGASID
The better SID.

Installation:

1. Open C64 or C128 case
2. Plug FPGASID into SID socket. Pin 1 of FPGASID **must** align to pin 1 of the socket!
3. Connect wires as follows:

Only for C128: Blue wire to MMU pin 47

Cable with **single red wire** to AV-Socket pin 7

3-wire cable:
Yellow: Connect to CPU pin 12
Black: Connect to CPU pin 15. For C128 to U3 pin 14
Red: To expansion port pin 7. For SX64: UC1 pin 10

4. Close case.
5. Connect second audio channel to pin 7 of AV jack. A breakout cable for this purpose is available as accessory.

Usage:

- Use FPGASID with any software that produces sound or music.
- Use the tool **ConfiGuru** to configure FPGASID to various operation modes.
- More detailed instructions, software and firmware downloads and a lot more information can be found here:

http://www.fpgasid.de/documentation