DIN-5 / DIN-8

##	C64	VIC-20	ATARI*	U64	
1	Luma	+6V	Luma	Luma	(JP2)
2	GND	GND	GND	GND	
3	Audio	Audio	Audio	Audio	
4	Comp	Comp	Comp	Comp	
5	AudioIN	Comp2	Chroma	Audio2	(JP3/4)
6	Chroma			Chroma	
7	Audio2				
8	+5V				

* The RETRO CHANNEL VIC-20 S-Video board uses the ATARI pinout.
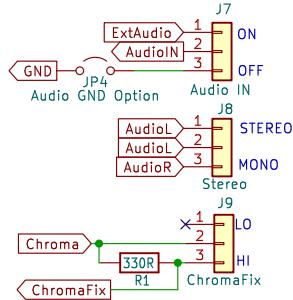
MODEL	DIN	STEREO	AUD-IN	JP2	JP3	JP4	JP5
64	5	NO	YES	YES	NO	NA	1-2
VIC	5	NO	NO	NO	NO	NA	NA
VIC-SV	5	NO	NO	YES	NO	NA	2-3
ATARI	5	NO	YES	YES	NO	NA	2-3
64/128*	8	YES	YES	YES	NO	YES	1-2
C16	8	NO	NO	YES	NO	YES	NA
U64	8	YES	NO	YES	YES	NO	NO

* Includes SX64, C64GS, C128D, C128DCR, C128CR
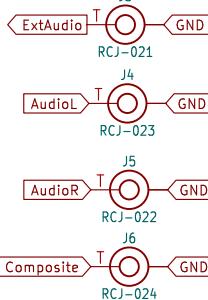
Description

This is a multi-sytem DIN-5 or DIN-8 AV Port
to S-Video and RCA Video plus Audio IN and OUT.
The design is inspired by Sven Petersen's C64 AV adapter.

This design will work on:
* C64 with 8-pin DIN (Audio IN supported)
* C64 with 5-pin DIN (Audio IN supported)
* VIC-20 with original pinout
* VIC-20 with Retro Channel S-Video
* Ultimate64
* Atari XE (or XL modded for S-Video)

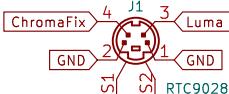Features:
* Relocated S-Video to not block other ports
* Added vertical clearance for jacks
* Jumpers are all 3-pin to allow SPDT switches
* +5V power header (C64/128 DIN-8 sytems)
* Header for connection to external devices
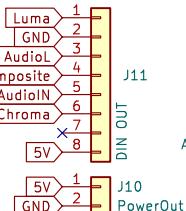* Solder pad jumpers to configure for different systems

Created: 2025-09-24
Updated: 2025-10-08

SWITCHES

RCA

S-VIDEO

DIN/POWER OUT

AUDIO IN

Work In progress!

MULTI-SYSTEM AVS ADAPTER
C64/128/16, VIC20, ATARI ETC

Sheet: /
File: C64-128AVS.kicad_sch

With thanks to Sven Petersen!

Title: Steve J. Gray

Size: A5	Date: 2025-10-07	Rev: 2
KiCad E.D.A. 9.0.4		Id: 1/1

V2