See https://www.cpcwiki.eu/index.php?title=Guide\_on\_how\_to\_connect\_a\_3.5%22\_drive\_to\_a\_CPC6128/664 for more information on the AB Switch.

Note the Wiki page identifies pins 11 and 12. These are the Shugart pin numbers and not the Amstrad Disc Drive 2 Socket numbers which are pins 23 and 24. Pin 24 being GND.

### PASS THROUGH CONNECTOR

#### J1 Amstrad CPC Disc Drive 2 Socket

READY	1	READY	GND	2	GND
SIDE_1_SELECT	3	SIDE_1_SELECT	GND	4	GND
READ_DATA	5	READ DATA	GND	6	GND
WRITE_PROTECT	7	WRITE_PROTECT	GND	8	GND
TRACK_0	9	TRACK 0	GND	10	GND
WRITE_GATE	11	WRITE_GATE	GND	12	GND
WRITE_DATA	13	WRITE_DATA	GND	14	GND
STEP	15	STEP	GND	16	GND
DIRECTION_SELECT	17	DIRECTION SELECT	GND	18	GND
MOTOR_ON	19	MOTOR_ON	GND	20	GND
	.21	N/C	GND	22	GND
DRIVE_SELECT_1	23	DRIVE_SELECT_1	GND	24	GND
	.25	N/C	GND	26	GND
INDEX	27	INDEX	GND	28	GND
	.29	N/C	GND	30	GND
	31	N/C	GND	32	GND
	33	N/C	CND	34	GND

## 2ND DISC DRIVE EDGE CONNECTOR

# Amstrad CPC Disc Drive 2 Socket

READY   1   SIDE_1_SELECT   GND   4   GND   6   GND				
SIDE_1_SELECT   SIDE_1_SELECT   GND   Company		DEADY	GND	2 GND
READ_DATA   5   READ_DATA   GND   6   GND	SIDE_1_SELECT	7		4 GND
WRITE_PROTECT   7   TRACK_O   9   WRITE_DATA   13   WRITE_DATA   13   WRITE_DATA   13   WRITE_DATA   13   WRITE_DATA   13   WRITE_DATA   GND   14   GND   14   GND   14   GND   15   GND   16   GND   16   GND   16   GND   16   GND   17   GND   17   GND   18   GND   18   GND   19   GND   19   GND   10   GND	READ_DATA			6 GND
TRACK_O	WRITE_PROTECT			8 GND
WRITE_GATE	TRACK_0			10 GND
WRITE_DATA   13   WRITE_DATA   GND   14   GND	WRITE_GATE 1			12 GND
STEP	WRITE_DATA 1			14 GND
DIRECTION_SELECT 17   DIRECTION_SELECT   GND   18   GND	STEP 1			16 GND
MOTOR_ON	DIRECTION_SELECT 1	7		18 GND
N/C   SND   22   GND	MOTOR_ON 1			20 GND
DRIVE_SELECT_1		A MOTOK_ON		22 GND
N/C   GND   26   GND   26   GND   27   INDEX   27   INDEX   GND   30   GND   31   GND   32   GND   32   GND   34   GND   35   GND   36   GND   36   GND   37   GND	DRIVE_SELECT_1 2			24 GND
INDEX   27   INDEX   GND   30   GND   32   GND   32   GND   32   GND   34   GND   35   GND   36   GND   37				26 GND
29 N/C GND 30 GND 32 GND 32 GND 32 GND 32 GND 32 GND 332 GND 332 GND 34 GND 34 GND 35	INDEX 2			28 GND
$\frac{31}{32}$ N/C GND $\frac{32}{34}$ GND	.2			30 GND
37 CND	3	41 1		32 GND
N/C GND	3	Z  '		34 GND
	*	N/C	GND	

## Disc Drive 2 Socket Definition From Amstrad 6128 User Manual

## Disc Drive 2 Socket

cket



SW1 GF-123-0054 DRIVE\_SELECT\_1 1 10 02 2 GND

For information on the 2nd disc drive connector see https://www.cpcwiki.eu/index.php/Connector:2nd\_disc\_drive\_(CPC664,\_CPC6128,\_CPC6128%2B)

This includes pin mapping between the Shugart standard and the Amstrad pins.

Simple adaptor to enable Drive Select 1 (connect pin 11 to 12) and allow Drive B to act as Drive A

Sheet: /

File: Amstrad CPC Drive AB Selector.kicad\_sch

Size: A4	Date: 2025-05-22	Rev: 1.0
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