Project Documentation

Commodore Port Breakout: Cassette Breakout

Project number: 199

Revision: 0

Date: 12.11.2022

Commodore Port Breakout: Cassette Breakout Rev. 0

Module Description

Introduction

This assembly serves as a breakout board for the Commodore PET Cassette Port. It is also suitable for the C64, C128 and VIC-20 cassette port. The purpose is connecting it to the Cassette Port Output board via a ribbon cable.

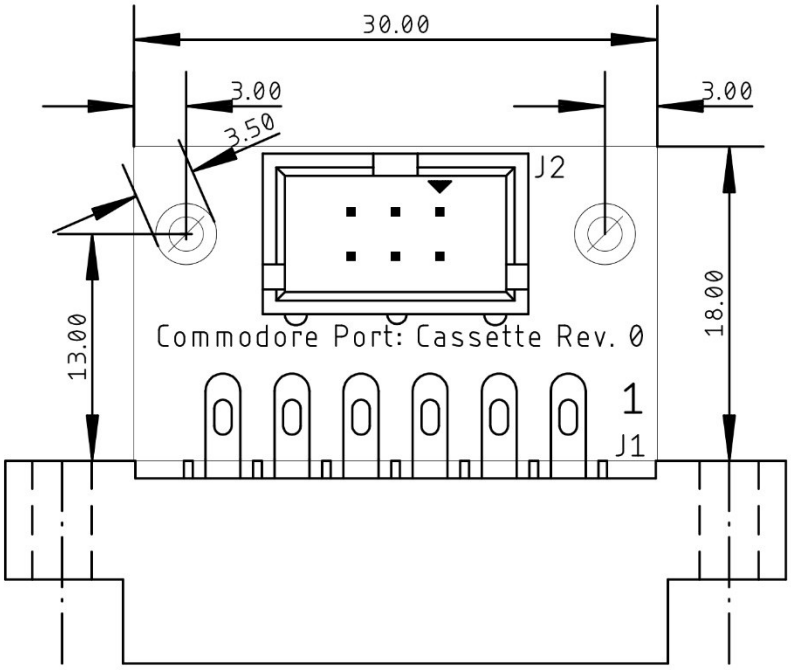


Figure 1: Dimensions of the PCB

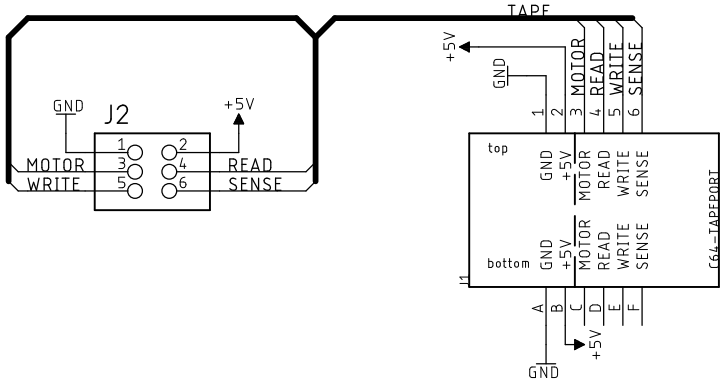
Connector Pinout

J1	Cassette Port	J2
1	GND	1
2	+5V	2
3	MOTOR	3
4	READ	4
5	WRITE	5
6	SENSE	6
A	GND	-
B	+5V	-
C	n.c.	-
D	n.c.	-
E	n.c.	-
F	n.c.	-

Revision History

Rev. 0

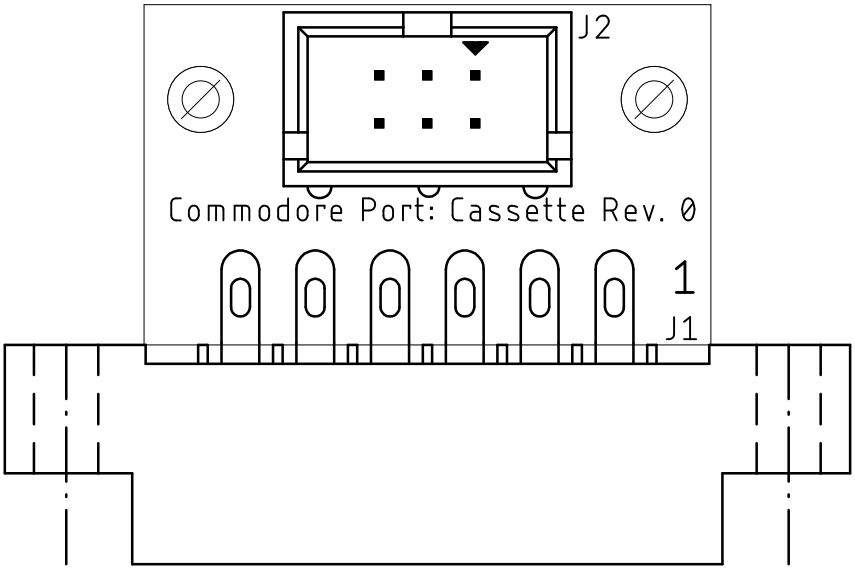
- Prototype



open source hardware

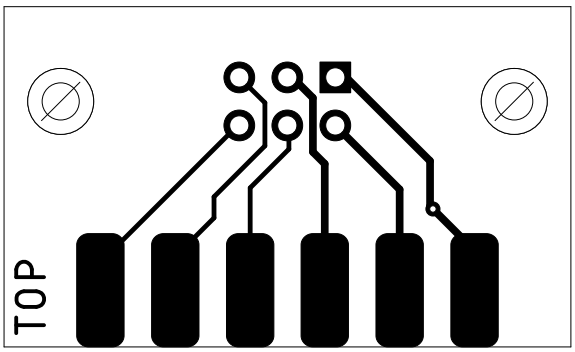
Title:	Commodore Port Breakout: Cassette Breakout	Doc.-No.:	199-1-01-00
		Draft.:	Sven Petersen
Date:	12.11.2022 12:47	Rev.: 0	Page 1/1
File:	CPB_Cassette_Breakout		
	http://github.com/svenpetersen1965		A4

Sven Petersen 2022	Doc.-No.: 199-2-01-00	
	Cu: 35µm	Cu-Layers: 2
CPB_Cassette_Breakout		
nicht gespeichert!		Rev.: 0
placement component side		



Sven Petersen 2022	Doc.-No.: 199-2-01-00	
	Cu: 35µm	Cu-Layers: 2
CPB_Cassette_Breakout		
12.11.2022 19:48		Rev.: 0
placement solder side		

Sven Petersen 2022	Doc.-No.: 199-2-01-00	
	Cu: 35µm	Cu-Layers: 2
CPB_Cassette_Breakout		
12.11.2022 19:48		Rev.: 0
top	[redacted]	



Sven Petersen 2022	Doc.-No.: 199-2-01-00	
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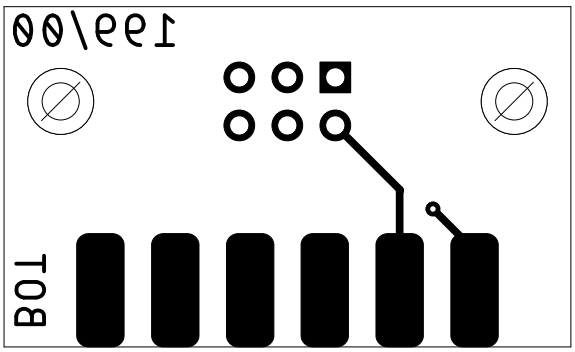
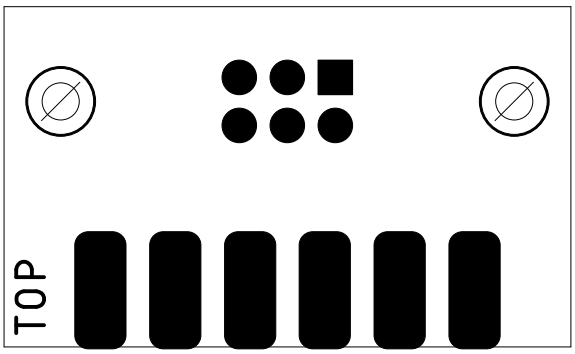
CPB_Cassette_Breakout		
12.11.2022 19:48		Rev.: 0
bottom	[redacted]	



Sven Petersen 2022	Doc.-No.: 199-2-01-00	
	Cu: 35µm	Cu-Layers: 2
CPB_Cassette_Breakout		
12.11.2022 19:48		Rev.: 0
stopmask component side		



Sven Petersen 2022	Doc.-No.: 199-2-01-00	
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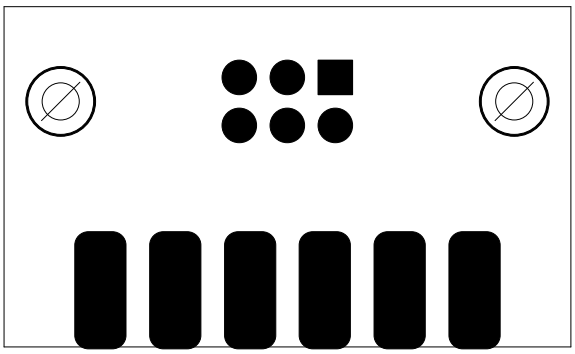
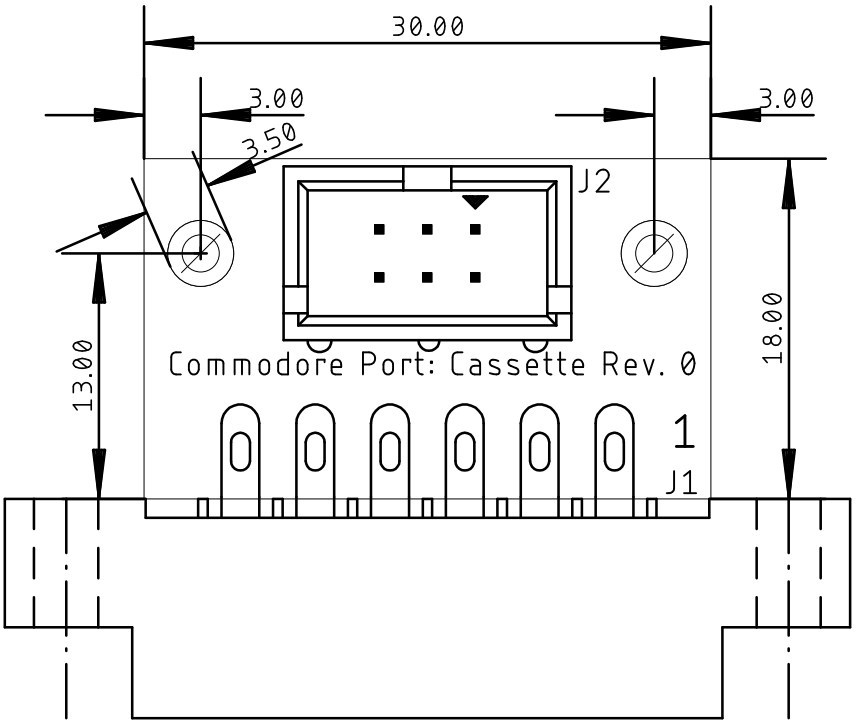
CPB_Cassette_Breakout		
12.11.2022 19:48		Rev.: 0
stopmask solder side		



Sven Petersen 2022	Doc.-No.: 199-2-01-00	
	Cu: 35µm	Cu-Layers: 2
CPB_Cassette_Breakout		
nicht gespeichert!		Rev.: 0
placement component side measures		



Commodore Port Breakout: Cassette Breakout Rev. 0
Bill of Material Rev. 0.0

Pos.	Qty	Value	Footprint	Ref.-No.	Comment
1	1	199-2-01-00	2 Layer	PCB Rev. 0	2 layer, Cu 35μ, HASL, 30.0 x 18.0, 1.6mm FR4
2	1	2x3 box connector	2X03WV	J2	e.g. Reichelt WSL 6G
3	1	2x6, 3.96mm pitch	TAPEPORT	J1	edge connector, 805 series, C64/PET cassette port